

EMC Support Matrix
December 2003
P/N 300-000-166
ECO 36106 Rev B30

EMC Support Matrix

Copyright EMC Corporation 2003.....	1
EMC's Policies and Requirements for EMC Support Matrix.....	2
Symmetrix 5000 and 3000 Series.....	3
Symmetrix 8000 Series.....	4
Base Connectivity.....	4
Amdahl UTS.....	4
Amdahl.....	4
Bull GCOS.....	4
Bull.....	4
Caldera UNIXWare.....	4
Fuji Serv (ICL).....	4
Unisys.....	5
DG DG/UX.....	5
DG.....	6
EMC NAS.....	6
EMC.....	6
Egenera BladeFrame.....	6
Egenera.....	6
Fuji Serv (ICL) Open VME.....	6
Fuji Serv (ICL).....	6
Fujitsu OS IV/F4.....	7
Fujitsu.....	7
Fujitsu OS IV/MSP.....	7
Fujitsu.....	7
Fujitsu OS IV/XSP.....	7
Fujitsu.....	7
Fujitsu SVR4.....	7
Fujitsu.....	7
Fujitsu Solaris.....	7
Fujitsu.....	7
Fujitsu UXP/DS.....	8
Fujitsu.....	8
Fujitsu Siemens BS2000/OSD.....	8
Fujitsu Siemens.....	8
Fujitsu Siemens OSD-SVP.....	8
Fujitsu Siemens.....	8
Fujitsu Siemens OSD/XC.....	9
Fujitsu Siemens.....	9
Fujitsu Siemens Reliant UNIX.....	9
Fujitsu Siemens.....	9
Fujitsu Siemens SINIX.....	10
Fujitsu Siemens.....	10
Fujitsu Siemens Solaris.....	10
Fujitsu Siemens.....	10
HPQ HP-UX.....	11
HPQ.....	11
NEC.....	17
HPQ MPE/ix.....	19
HPQ.....	19
HPQ Open VMS.....	19
HPQ.....	19
HPQ OpenVMS V7.3-2.....	20
HPQ.....	20
HPQ Tru64 UNIX.....	21
HPQ.....	21
Hitachi VOS3/FS-JSS3.....	22
Hitachi.....	22
Hitachi VOS3/LS-JSS3.....	22
Hitachi.....	22
IBM AIX.....	22
Bull.....	22
IBM.....	23
IBM DYNIX/ptx.....	29
IBM.....	29
IBM MVS/ESA.....	29
IBM.....	29
IBM OS/390.....	29
Amdahl.....	29
IBM.....	30
IBM OS/400.....	30
IBM.....	30
IBM TPF.....	30
Amdahl.....	30
IBM.....	30
IBM TPF HPO.....	30
Amdahl.....	30
IBM.....	31
IBM VM/ESA.....	31
Amdahl.....	31
IBM.....	31
IBM VSE/ESA.....	31
Amdahl.....	31
IBM.....	31
IBM z/OS.....	32
IBM.....	32
IBM z/OS.e.....	32
IBM.....	32
IBM z/VM.....	32
IBM.....	32
Microsoft Windows 2000.....	32
Bull.....	32
DG.....	33
Dell.....	35
Fuji Serv (ICL).....	37
Fujitsu Siemens.....	38
HPQ.....	40
IBM.....	48
NCR.....	55

EMC Support Matrix

Symmetrix 8000 Series

	NE.....	56
	NEC.....	57
	SUPERMICRO.....	58
	Stratus.....	59
	Unisys.....	59
Microsoft Windows 2003.....		62
	Bull.....	62
	Dell.....	62
	Fujitsu Siemens.....	62
	HPQ.....	63
	IBM.....	64
	NCR.....	64
	NEC.....	65
	Samsung.....	65
	Stratus.....	65
	Unisys.....	66
Microsoft Windows NT.....		66
	Bull.....	66
	DG.....	67
	Dell.....	68
	Fuji Serv (ICL).....	69
	Fujitsu Siemens.....	70
	HPQ.....	70
	IBM.....	74
	NCR.....	76
	NE.....	77
	NEC.....	77
	Unisys.....	77
NCR UNIX SVR4 MPRAS.....		78
	NCR.....	78
NEC UX4800.....		79
	NEC.....	79
Novell Netware.....		79
	Dell.....	79
	Fujitsu Siemens.....	83
	HPQ.....	87
	IBM.....	95
Red Hat Linux.....		100
	Dell.....	100
	Fujitsu Siemens.....	106
	HPQ.....	107
	IBM.....	121
	NEC.....	129
	SUPERMICRO.....	132
Red Hat Linux IA64.....		133
	Bull.....	133
	Dell.....	133
	HPQ.....	133
	IBM.....	133
SGI IRIX.....		134
	SGL.....	134
SuSE Linux.....		135
	Dell.....	135
	Fujitsu Siemens.....	137
	HPQ.....	138
	IBM.....	141
	NEC.....	142
	SUPERMICRO.....	142
Sun Solaris.....		143
	Sun.....	143
Unisys MCP.....		145
	Unisys.....	145
Unisys OS 2200.....		146
	Unisys.....	146
Unisys SB5R4.....		146
	Unisys.....	146
Unisys SB7.....		147
	Unisys.....	147
Unisys UNIX SVR4.....		147
	Unisys.....	147
VMware ESX.....		148
	Dell.....	148
	HPQ.....	148
	IBM.....	149
Clustered Host.....		149
Caldera UNIXWare.....		149
	Unisys.....	149
DG DG/UX.....		149
	DG.....	149
Fujitsu Solaris.....		149
	Fujitsu.....	150
Fujitsu Siemens Reliant UNIX.....		150
	Fujitsu Siemens.....	150
Fujitsu Siemens Solaris.....		151
	Fujitsu Siemens.....	151
HPQ HP-UX.....		152
	HPQ.....	152
HPQ MPE/ix.....		165
	HPQ.....	165
HPQ Open VMS.....		165
	HPQ.....	165
HPQ OpenVMS V7.3-2.....		166
	HPQ.....	166
HPQ Tru64 UNIX.....		166
	HPQ.....	166
IBM AIX.....		168
	Bull.....	168
	IBM.....	169
IBM DYNIX/ptx.....		181
	IBM.....	181

EMC Support Matrix

Symmetrix 8000 Series

Microsoft Windows 2000.....	181
DG.....	181
Dell.....	182
Fujitsu Siemens.....	184
HPQ.....	185
IBM.....	194
NCR.....	199
NEC.....	199
Unisys.....	200
Microsoft Windows 2003.....	200
Dell.....	200
Fujitsu Siemens.....	201
HPQ.....	201
IBM.....	202
NCR.....	202
NEC.....	202
Unisys.....	203
Microsoft Windows NT.....	203
DG.....	203
Dell.....	204
Fujitsu Siemens.....	204
HPQ.....	205
IBM.....	207
NCR.....	207
NEC.....	208
Unisys.....	208
NCR UNIX SVR4 MPRAS.....	208
NCR.....	208
Novell Netware.....	209
Dell.....	209
Fujitsu Siemens.....	209
HPQ.....	210
IBM.....	210
Red Hat Linux.....	211
Dell.....	211
Fujitsu Siemens.....	212
HPQ.....	212
IBM.....	213
SGI IRIX.....	213
SGI.....	213
SuSE Linux.....	214
Fujitsu Siemens.....	214
IBM.....	214
Sun Solaris.....	215
Sun.....	215
Fibre Connectivity: Hub.....	223
DG DG/UX.....	224
HPQ HP-UX.....	224
IBM AIX.....	224
IBM OS/400.....	225
Microsoft Windows 2000.....	225
Microsoft Windows NT.....	226
Novell Netware.....	226
Red Hat Linux.....	227
SuSE Linux.....	227
Sun Solaris.....	228
Fibre Connectivity: Switch.....	228
DG DG/UX.....	229
EMC NAS.....	229
Fuji Serv (ICL) Open VME.....	230
Fujitsu Solaris.....	230
Fujitsu Siemens BS2000/OSD.....	230
Fujitsu Siemens OSD/XC.....	230
Fujitsu Siemens Reliant UNIX.....	231
Fujitsu Siemens Solaris.....	231
HPQ HP-UX.....	232
HPQ Open VMS.....	238
HPQ Tru64 UNIX.....	239
IBM AIX.....	240
IBM DYNIX/ptx.....	242
IBM OS/400.....	242
Microsoft Windows 2000.....	242
Microsoft Windows 2003.....	245
Microsoft Windows NT.....	246
Novell Netware.....	247
Red Hat Linux.....	248
SGI IRIX.....	250
SuSE Linux.....	251
Sun Solaris.....	252
Unisys MCP.....	254
Unisys OS 2200.....	254
Unisys SB7.....	254
VMware ESX.....	255
iSCSI to FC Routing.....	255
Application Software.....	256
Fujitsu Solaris.....	256
Fujitsu Siemens Solaris.....	256
HPQ HP-UX.....	256
HPQ Tru64 UNIX.....	256
IBM AIX.....	257
Microsoft Windows 2000.....	257
Microsoft Windows 2003.....	258
Microsoft Windows NT.....	258
Novell Netware.....	258
Red Hat Linux.....	259
SuSE Linux.....	259
Sun Solaris.....	259
Fibre Bit Settings.....	260
5568 Settings.....	260
5x67 Settings.....	262

EMC Support Matrix

Symmetrix 8000 Series

5x66 Settings.....	265
5265 Settings.....	267
SCSI Bit Settings.....	269
5568 Settings.....	269
5x67 Settings.....	270
5x66 Settings.....	272
5265 Settings.....	274

Symmetrix DMX Series..... 277

Base Connectivity.....	277
Amdahl UTS.....	277
Amdahl.....	277
DG DG/UX.....	277
DG.....	277
EMC NAS.....	277
EMC.....	277
Egenera BladeFrame.....	277
Egenera.....	277
Fujitsu OS IV/F4.....	278
Fujitsu.....	278
Fujitsu OS IV/MSP.....	278
Fujitsu.....	278
Fujitsu OS IV/XSP.....	278
Fujitsu.....	278
Fujitsu Solaris.....	278
Fujitsu.....	278
Fujitsu Siemens BS2000/OSD.....	278
Fujitsu Siemens.....	278
Fujitsu Siemens OSD/XC.....	279
Fujitsu Siemens.....	279
Fujitsu Siemens Solaris.....	279
Fujitsu Siemens.....	279
HPQ HP-UX.....	280
HPQ.....	280
NEC.....	283
HPQ Open VMS.....	283
HPQ.....	283
HPQ OpenVMS V7.3-2.....	284
HPQ.....	284
HPQ Tru64 UNIX.....	284
HPQ.....	284
IBM AIX.....	285
Bull.....	285
IBM.....	285
IBM MVS/ESA.....	288
IBM.....	288
IBM OS/390.....	288
Amdahl.....	288
IBM.....	288
IBM OS/400.....	288
IBM.....	288
IBM TPF.....	289
IBM.....	289
IBM VM/ESA.....	289
Amdahl.....	289
IBM.....	289
IBM VSE/ESA.....	289
Amdahl.....	289
IBM.....	289
IBM z/OS.....	289
IBM.....	289
IBM z/OS.e.....	289
IBM.....	289
IBM z/VM.....	289
IBM.....	289
Microsoft Windows 2000.....	290
Bull.....	290
DG.....	290
Dell.....	291
Fuji Serv (ICL).....	294
Fujitsu Siemens.....	294
HPQ.....	295
IBM.....	301
NCR.....	306
NE.....	307
NEC.....	307
SUPERMICRO.....	309
Stratus.....	309
Unisys.....	310
Microsoft Windows 2003.....	313
Bull.....	313
Dell.....	313
Fujitsu Siemens.....	313
HPQ.....	314
IBM.....	315
NCR.....	316
NEC.....	316
Samsung.....	317
Stratus.....	317
Unisys.....	317
Microsoft Windows NT.....	317
Bull.....	318
DG.....	318
Dell.....	318
Fuji Serv (ICL).....	320
Fujitsu Siemens.....	320
HPQ.....	320
IBM.....	323
NCR.....	324
NEC.....	325

EMC Support Matrix

Symmetrix DMX Series

	Unisys.....	325
NCR UNIX SVR4 MPRAS.....		325
NCR.....		325
Novell Netware.....		326
Dell.....		326
Fujitsu Siemens.....		329
HPQ.....		331
IBM.....		336
Red Hat Linux.....		340
Dell.....		340
Fujitsu Siemens.....		344
HPQ.....		345
IBM.....		357
NEC.....		363
SUPERMICRO.....		366
Red Hat Linux IA64.....		366
Bull.....		366
Dell.....		366
HPQ.....		367
IBM.....		367
SGI IRIX.....		367
SGI.....		367
SuSE Linux.....		367
Dell.....		367
Fujitsu Siemens.....		369
HPQ.....		370
IBM.....		373
NEC.....		374
SUPERMICRO.....		375
Sun Solaris.....		375
Sun.....		375
Unisys MCP.....		377
Unisys.....		377
Unisys OS 2200.....		377
Unisys.....		377
Unisys SB7.....		377
Unisys.....		377
VMware ESX.....		377
Dell.....		377
HPQ.....		378
IBM.....		378
Clustered Host.....		379
Fujitsu Solaris.....		379
Fujitsu.....		379
Fujitsu Siemens Solaris.....		379
Fujitsu Siemens.....		379
HPQ HP-UX.....		380
HPQ.....		380
HPQ Open VMS.....		383
HPQ.....		383
HPQ OpenVMS V7.3-2.....		383
HPQ.....		383
HPQ Tru64 UNIX.....		383
HPQ.....		383
IBM AIX.....		384
Bull.....		384
IBM.....		385
Microsoft Windows 2000.....		390
DG.....		390
Dell.....		390
Fujitsu Siemens.....		392
HPQ.....		394
IBM.....		402
NCR.....		405
NEC.....		406
Unisys.....		406
Microsoft Windows 2003.....		407
Dell.....		407
Fujitsu Siemens.....		407
HPQ.....		407
IBM.....		408
NCR.....		409
NEC.....		409
Unisys.....		410
Microsoft Windows NT.....		410
DG.....		410
Dell.....		410
Fujitsu Siemens.....		411
HPQ.....		411
IBM.....		413
NCR.....		413
NEC.....		413
Unisys.....		414
NCR UNIX SVR4 MPRAS.....		414
NCR.....		414
Novell Netware.....		414
Dell.....		414
Fujitsu Siemens.....		414
HPQ.....		414
IBM.....		415
Red Hat Linux.....		415
Dell.....		415
Fujitsu Siemens.....		417
HPQ.....		417
IBM.....		419
SuSE Linux.....		419
Dell.....		419
Fujitsu Siemens.....		419
HPQ.....		420
IBM.....		420

EMC Support Matrix

Symmetrix DMX Series

Sun Solaris.....	420
Sun.....	420
Fibre Connectivity: Switch.....	423
DG DG/UX.....	423
EMC NAS.....	423
Fujitsu Siemens BS2000/OSD.....	424
Fujitsu Siemens OSD/XC.....	424
Fujitsu Siemens Solaris.....	424
HPQ HP-UX.....	425
HPQ Open VMS.....	426
HPQ Tru64 UNIX.....	427
IBM AIX.....	428
IBM OS/400.....	428
Microsoft Windows 2000.....	428
Microsoft Windows 2003.....	430
Microsoft Windows NT.....	431
Novell Netware.....	432
Red Hat Linux.....	433
SGI IRIX.....	436
SuSE Linux.....	436
Sun Solaris.....	436
Unisys MCP.....	438
Unisys OS 2200.....	438
Unisys SB7.....	438
VMware ESX.....	439
iSCSI to FC Routing.....	439
Native iSCSI.....	440
Application Software.....	440
Fujitsu Siemens Solaris.....	440
HPQ HP-UX.....	440
HPQ Tru64 UNIX.....	440
IBM AIX.....	441
Microsoft Windows 2000.....	441
Microsoft Windows 2003.....	442
Microsoft Windows NT.....	442
Novell Netware.....	442
Red Hat Linux.....	443
SuSE Linux.....	443
Sun Solaris.....	443
Fibre Bit Settings.....	444
5669 Settings.....	444
5670 Settings.....	446

Symmetrix Geographically Dispersed Cluster..... 448

Generic None.....	448
HPQ HP-UX.....	449
IBM AIX.....	449
Microsoft Windows 2000.....	449
Microsoft Windows 2003.....	450
Microsoft Windows NT.....	450
Sun Solaris.....	451

CLARiiON FC5300 and FC4500..... 452

CLARiiON FC4700..... 453

Base Connectivity.....	453
DG DG/UX.....	453
DG.....	453
EMC NAS.....	453
EMC.....	453
Fujitsu Technology Solutions Solaris.....	453
Fujitsu Technology Solutions.....	453
HPQ HP-UX.....	454
HPQ.....	454
HPQ Tru64 UNIX.....	457
HPQ.....	457
IBM AIX.....	457
IBM.....	457
Microsoft Windows 2000.....	462
Bull.....	462
DG.....	462
Dell.....	462
Fuji Serv (ICL).....	464
HPQ.....	465
IBM.....	469
NCR.....	473
NE.....	473
NEC.....	474
SUPERMICRO.....	475
Stratus.....	476
Unisys.....	476
Microsoft Windows 2003.....	479
Bull.....	479
Dell.....	479
HPQ.....	480
IBM.....	481
NCR.....	481
NEC.....	482
Samsung.....	482
Stratus.....	482
Unisys.....	483
Microsoft Windows NT.....	483
DG.....	483
Dell.....	484
HPQ.....	484
IBM.....	485
NEC.....	486
Unisys.....	486
Novell Netware.....	486
Dell.....	486

EMC Support Matrix

CLARiiON FC4700

	Fujitsu Siemens.....	491
	HPQ.....	492
	IBM.....	499
Red Hat Linux.....		503
	Dell.....	503
	HPQ.....	512
	IBM.....	527
	NEC.....	540
	SUPERMICRO.....	544
Red Hat Linux IA64.....		544
	Bull.....	544
	Dell.....	544
	HPQ.....	545
	IBM.....	545
SGI IRIX.....		545
	SGI.....	545
SuSE Linux.....		545
	Dell.....	545
	Fujitsu Siemens.....	546
	HPQ.....	547
	IBM.....	550
	NEC.....	551
	SUPERMICRO.....	552
Sun Solaris.....		552
	Sun.....	552
Clustered Host.....		554
DG DG/UX.....		554
	DG.....	554
HPQ HP-UX.....		555
	HPQ.....	555
HPQ Tru64 UNIX.....		557
	HPQ.....	557
IBM AIX.....		557
	IBM.....	557
Microsoft Windows 2000.....		562
	Bull.....	562
	DG.....	562
	Dell.....	562
	HPQ.....	565
	IBM.....	573
	NCR.....	575
	NEC.....	575
	Unisys.....	576
Microsoft Windows 2003.....		577
	Dell.....	577
	HPQ.....	577
	IBM.....	578
	NCR.....	578
	NEC.....	579
	Unisys.....	579
Microsoft Windows NT.....		579
	DG.....	579
	Dell.....	580
	HPQ.....	580
	IBM.....	581
	Unisys.....	581
Novell Netware.....		581
	Dell.....	581
	HPQ.....	582
	IBM.....	582
Red Hat Linux.....		583
	Dell.....	583
	HPQ.....	584
SGI IRIX.....		587
	SGI.....	587
SuSE Linux.....		587
	Dell.....	587
	HPQ.....	587
	IBM.....	588
Sun Solaris.....		588
	Sun.....	588
Fibre Connectivity: Hub.....		593
	HPQ HP-UX.....	593
	IBM AIX.....	593
	Microsoft Windows 2000.....	594
	Microsoft Windows NT.....	594
	Novell Netware.....	594
	Red Hat Linux.....	594
	SGI IRIX.....	595
	SuSE Linux.....	595
	Sun Solaris.....	595
Fibre Connectivity: Switch.....		596
	DG DG/UX.....	596
	EMC NAS.....	596
	HPQ HP-UX.....	597
	HPQ Tru64 UNIX.....	598
	IBM AIX.....	599
	Microsoft Windows 2000.....	600
	Microsoft Windows 2003.....	601
	Microsoft Windows NT.....	602
	Novell Netware.....	603
	Red Hat Linux.....	604
	SGI IRIX.....	606
	SuSE Linux.....	606
	Sun Solaris.....	607
iSCSI to FC Routing.....		608
Application Software.....		608
	DG DG/UX.....	608
	Fujitsu Technology Solutions Solaris.....	608
	HPQ HP-UX.....	609

EMC Support Matrix

CLARiiON FC4700

HPQ Tru64 UNIX.....	609
IBM AIX.....	609
Microsoft Windows 2000.....	610
Microsoft Windows 2003.....	611
Microsoft Windows NT.....	611
Novell Netware.....	612
Red Hat Linux.....	612
SGI IRIX.....	614
SuSE Linux.....	614
Sun Solaris.....	614

CLARiiON CX200.....616

Base Connectivity.....	616
Egenera BladeFrame.....	616
Egenera.....	616
Microsoft Windows 2000.....	616
Bull.....	616
DG.....	616
Dell.....	617
Fuji Serv (ICL).....	619
HPQ.....	619
IBM.....	623
NCR.....	626
NE.....	627
NEC.....	627
SUPERMICRO.....	629
Stratus.....	629
Unisys.....	630
Microsoft Windows 2003.....	631
Bull.....	631
Dell.....	631
HPQ.....	632
IBM.....	633
NCR.....	634
NEC.....	634
Samsung.....	635
Stratus.....	635
Unisys.....	635
Microsoft Windows NT.....	636
DG.....	636
Dell.....	636
HPQ.....	636
IBM.....	637
NEC.....	638
Unisys.....	638
Novell Netware.....	639
Dell.....	639
HPQ.....	644
IBM.....	650
Red Hat Linux.....	655
Dell.....	655
HPQ.....	663
IBM.....	677
NEC.....	690
SUPERMICRO.....	693
Red Hat Linux IA64.....	694
Bull.....	694
Dell.....	694
HPQ.....	694
IBM.....	694
SuSE Linux.....	695
Dell.....	695
Fujitsu Siemens.....	696
HPQ.....	696
IBM.....	699
NEC.....	701
SUPERMICRO.....	701
Clustered Host.....	701
Egenera BladeFrame.....	701
Egenera.....	701
Microsoft Windows 2000.....	702
Bull.....	702
DG.....	702
Dell.....	703
HPQ.....	705
IBM.....	712
NCR.....	715
NEC.....	716
Unisys.....	716
Microsoft Windows 2003.....	717
Dell.....	717
HPQ.....	717
IBM.....	718
NCR.....	718
NEC.....	719
Unisys.....	719
Microsoft Windows NT.....	719
DG.....	719
Dell.....	720
HPQ.....	720
IBM.....	721
Unisys.....	721
Novell Netware.....	721
Dell.....	721
HPQ.....	722
IBM.....	722
Red Hat Linux.....	723
Dell.....	723
HPQ.....	725
IBM.....	727

EMC Support Matrix

CLARiiON CX200

SuSE Linux.....	728
Dell.....	728
HPQ.....	728
IBM.....	728
Fibre Connectivity: Hub.....	729
Microsoft Windows 2000.....	729
Microsoft Windows NT.....	729
Novell Netware.....	729
Red Hat Linux.....	729
SuSE Linux.....	730
Fibre Connectivity: Switch.....	730
Microsoft Windows 2000.....	730
Microsoft Windows 2003.....	732
Microsoft Windows NT.....	733
Novell Netware.....	734
Red Hat Linux.....	735
SuSE Linux.....	737
iSCSI to FC Routing.....	738
Application Software.....	738
Microsoft Windows 2000.....	738
Microsoft Windows 2003.....	738
Microsoft Windows NT.....	739
Novell Netware.....	739
Red Hat Linux.....	740
SuSE Linux.....	741

CLARiiON CX600/400..... 742

Base Connectivity.....	742
DG DG/UX.....	742
DG.....	742
EMC NAS.....	742
EMC.....	742
Egenera BladeFrame.....	742
Egenera.....	742
Fujitsu Solaris.....	742
Fujitsu.....	742
Fujitsu Technology Solutions Solaris.....	743
Fujitsu Technology Solutions.....	743
HPQ HP-UX.....	743
HPQ.....	743
HPQ Tru64 UNIX.....	747
HPQ.....	747
IBM AIX.....	747
IBM.....	747
Microsoft Windows 2000.....	750
Bull.....	751
DG.....	751
Dell.....	751
Fuji Serv (ICL).....	753
HPQ.....	753
IBM.....	759
NCR.....	763
NE.....	764
NEC.....	764
SUPERMICRO.....	766
Stratus.....	766
Unisys.....	766
Microsoft Windows 2003.....	769
Bull.....	769
Dell.....	769
HPQ.....	770
IBM.....	771
NCR.....	771
NEC.....	772
Samsung.....	772
Stratus.....	773
Unisys.....	773
Microsoft Windows NT.....	773
DG.....	774
Dell.....	774
HPQ.....	774
IBM.....	775
NEC.....	776
Unisys.....	776
Novell Netware.....	777
Dell.....	777
HPQ.....	782
IBM.....	788
Red Hat Linux.....	792
Dell.....	792
HPQ.....	800
IBM.....	814
NEC.....	827
SUPERMICRO.....	831
Red Hat Linux IA64.....	832
Bull.....	832
Dell.....	832
HPQ.....	832
IBM.....	832
SGI IRIX.....	832
SGI.....	833
SuSE Linux.....	833
Dell.....	833
Fujitsu Siemens.....	834
HPQ.....	834
IBM.....	837
NEC.....	839
SUPERMICRO.....	839
Sun Solaris.....	840
Sun.....	840

EMC Support Matrix

CLARiiON CX600/400

Clustered Host.....	842
Egenera BladeFrame.....	842
Egenera.....	842
HPQ HP-UX.....	842
HPQ.....	842
HPQ Tru64 UNIX.....	845
HPQ.....	845
IBM AIX.....	846
IBM.....	846
Microsoft Windows 2000.....	849
Bull.....	849
DG.....	849
Dell.....	850
HPQ.....	851
IBM.....	860
NCR.....	862
NEC.....	863
Unisys.....	863
Microsoft Windows 2003.....	864
Dell.....	864
HPQ.....	865
IBM.....	865
NCR.....	866
NEC.....	866
Unisys.....	866
Microsoft Windows NT.....	867
DG.....	867
Dell.....	867
HPQ.....	867
IBM.....	868
Unisys.....	869
Novell Netware.....	869
Dell.....	869
HPQ.....	869
IBM.....	870
Red Hat Linux.....	870
Dell.....	870
HPQ.....	872
IBM.....	875
SGI IRIX.....	875
SGI.....	875
SuSE Linux.....	875
Dell.....	875
HPQ.....	875
IBM.....	876
Sun Solaris.....	876
Sun.....	876
Fibre Connectivity: Hub.....	882
HPQ HP-UX.....	882
IBM AIX.....	882
Microsoft Windows 2000.....	882
Microsoft Windows NT.....	882
Novell Netware.....	883
Red Hat Linux.....	883
SGI IRIX.....	884
SuSE Linux.....	884
Sun Solaris.....	884
Fibre Connectivity: Switch.....	884
DG DG/UX.....	884
EMC NAS.....	885
HPQ HP-UX.....	885
HPQ Tru64 UNIX.....	887
IBM AIX.....	887
Microsoft Windows 2000.....	888
Microsoft Windows 2003.....	889
Microsoft Windows NT.....	890
Novell Netware.....	891
Red Hat Linux.....	892
SGI IRIX.....	894
SuSE Linux.....	894
Sun Solaris.....	895
iSCSI to FC Routing.....	896
Application Software.....	896
Fujitsu Technology Solutions Solaris.....	896
HPQ HP-UX.....	896
HPQ Tru64 UNIX.....	896
IBM AIX.....	897
Microsoft Windows 2000.....	897
Microsoft Windows 2003.....	898
Microsoft Windows NT.....	899
Novell Netware.....	899
Red Hat Linux.....	899
SGI IRIX.....	901
SuSE Linux.....	901
Sun Solaris.....	901

Host BIOS.....	903
Bull.....	903
DG.....	903
Dell.....	903
Fuji Serv (ICL).....	903
Fujitsu Siemens.....	904
HPQ.....	904
IBM.....	905
NCR.....	905
NE.....	905
NEC.....	905
SUPERMICRO.....	906
Stratus.....	906
Unisys.....	906

EMC Support Matrix

HBA Cable Compatibility.....	.907
BusLogic.....	.907
DG.....	.907
EMC.....	.907
Emulex.....	.907
Fuji Serv (ICL).....	.907
Fujitsu.....	.907
Fujitsu Siemens.....	.907
HPQ.....	.908
Hitachi.....	.908
IBM.....	.908
JNL.....	.909
LSI.....	.909
NCR.....	.909
NEC.....	.909
QLLogic.....	.910
SGL.....	.910
Sun.....	.910
Symbios.....	.910
Unisys.....	.910
Cables and Connectors.....	.912
Cables.....	.912
ESCON Adapter Cables.....	.912
Connector Types.....	.913
Fibre Channel.....	.915
Switched Fabric Topology Parameters.....	.915
Mixed Storage Environment Matrix.....	.919
Distance Extension Solutions.....	.921
Tape Support.....	.938
Tape to ESN Connectivity.....	.938
Tape Library.....	.954
EMC Data Manager (EDM) 5.0.0 Matrix.....	.956
Supported Server OS and Platforms.....	.956
EDM Network Backup Support.....	.956
EDM Symmetrix Path Support.....	.957
EDM Symmetrix Connect Support.....	.958
Supported Clusters for EDM Backup.....	.959
NAS/NDMP Backup and Restore Support.....	.959
Network Data Management Protocol Support (NDMP) Tape Library Unit Support.....	.959
EDM Acronym Definitions.....	.959
EDM Hardware Support Matrix.....	.959
Supported Media for EMC Supplied Tape Library Units.....	.959
Supported Tape Library/Drive Configurations.....	.959
ADIC.....	.960
ATL/Quantum.....	.960
HP.....	.962
IBM.....	.962
NEC.....	.962
Sony.....	.962
Spectralogic.....	.962
STK.....	.962
STK ACSLS.....	.963
Sun.....	.963
Non-EMC Backup Software Solutions.....	.964
Understanding Backup Software License Guidelines.....	.964
Backup Application License Guidelines.....	.964
Backup Topologies.....	.964
Local, LAN-Based, and Private LAN Topologies.....	.964
SAN with Dedicated Tape Drives.....	.965
SAN and LAN with Dedicated Tape Drives.....	.965
SAN and LAN with Dedicated Tape Drives.....	.966
SAN and Private LAN with Dedicated Tape Drives.....	.966
SAN and Private LAN with Dedicated Tape Drives.....	.967
SAN with Shared Tape Drives.....	.967
SAN and LAN with Shared Drives.....	.968
SAN and LAN with Shared Drive.....	.968
SAN and Private LAN with Shared Tape Drives.....	.969
SAN and Private LAN with Shared Tape Drives.....	.969
VERITAS Support Matrix.....	.970
Integrated Products.....	.970
EMC Foundation Suite by VERITAS.....	.970
EMC Database Edition for Oracle; by VERITAS.....	.970
EMC GeoSpan for VERITAS Cluster Server: Refer to the Symmetrix Geographically Dispersed Cluster Table.....	.971
VERITAS Volume Manager (VxVM)1.....	.971
VERITAS File System (VxFS).....	.971
VERITAS Cluster Server (VCS).....	.973

Copyright EMC Corporation 2003

Copyright © 2001, 2002, 2003 EMC Corporation. All Rights Reserved.

EMC believes the information in this publication is accurate as of its publication date. The information is subject to change without notice.

THE INFORMATION IN THIS PUBLICATION IS PROVIDED "AS IS". EMC CORPORATION MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND WITH RESPECT TO THE INFORMATION IN THIS PUBLICATION, AND SPECIFICALLY DISCLAIMS IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Use, copying, and distribution of any EMC software described in this publication requires an applicable software license.

Trademark Information

EMC², EMC, Symmetrix, Celerra, CLARiiON, CLARAlert, DG, E-Infostructure, HighRoad, Navisphere, PowerPath, ResourcePak, SnapView/IP, SRDF, VisualSAN, where information lives, and The EMC Effect are registered trademarks and EMC Automated Networked Storage, EMC ControlCenter, EMC Developers Program, EMC Enterprise Storage, EMC Enterprise Storage Network, EMC OnCourse, EMC Proven, EMC Snap, Access Logix, AutoAdvice, Automated Resource Manager, AutoSwap, AVALONidm, C-Clip, CacheStorm, Celerra Replicator, Centera, CentraStar, CLARevent, Connectrix, CopyCross, CopyPoint, CrosStor, Direct Matrix, Direct Matrix Architecture, EDM, E-Lab, Enginuity, FarPoint, FLARE, GeoSpan, InfoMover, MirrorView, NetWin, OnAlert, OpenScale, Powerlink, PowerVolume, RepliCare, SafeLine, SAN Architect, SAN Copy, SAN Manager, SDMS, SnapSure, SnapView, StorageScope, SupportMate, SymmAPI, SymmEnabler, Symmetrix DMX, TimeFinder, Universal Data Tone, and VisualSRM are trademarks of EMC Corporation. All other trademarks used herein are the property of their respective owners.

EMC's Policies and Requirements for EMC Support Matrix

EMC's Support Matrix Policies and Requirements

This section describes EMC's policies and requirements for the EMC Support Matrix document.

Purpose and Limitations of this Document

This document is being provided for informational purposes only and may change at any time. This version supercedes and replaces all previous versions. The information is to serve only as a guide for those configurations/products which EMC has qualified. This document identifies and lists various vendor host systems and integral components that have been tested and qualified by EMC for use with EMC products. Vendor components include, but are not limited to, host operating systems, HBAs (host bus adapters) and associated drivers, firmware and BIOS; Fibre Channel switches, hubs and bridges. This document also lists various vendors, cluster software, tape hardware, storage system boot procedures, heterogeneous information storage, and configurations that EMC has tested and/or qualified for use with EMC products.

The information included in this document is intended as a guide in the configuration of systems for EMC's products. It is not intended to be the sole resource for system configuration. For more information or answers to questions not found in this document, please see EMC's website, other EMC documentation, such as EMC's Host Connectivity Guides, EMC Networked Storage Topology Guide, EMC CLARiiON Open Systems Configuration Guide, relevant vendor documentation, or contact your EMC Sales or EMC Customer Service representative. For Symmetrix 4.x support, please look at the Symmetrix 8000 Series section and check the footnotes for model/microcode compatibility. EMC employees can obtain additional Symmetrix 4.x information from the C4 support group.

Policies for Qualifying Systems

Policies and procedures for support of EMC products are set forth in the customer's applicable agreements. EMC's publication of information relating to system configurations covers only those outlined in this document or by approval from EMC Engineering. Other system configurations not found in this document are not qualified without EMC Engineering approval. EMC has qualified hardware and software provided only by the vendors listed in this document, and host systems, hardware and software from other vendors are not qualified, and may never be. Please contact your EMC Sales or EMC Customer Service representative for updates or information not included in this document.

EMC maintains a large collection of the products listed above as well as third-party application software for qualification with EMC's storage systems and to simulate customer environments, but you must consult the vendors for information about their system internals, such as hardware and associated drivers.

Policy for Future Qualification of Operating System Software Releases

The information in this document is maintained by EMC and EMC strives to update this document with new releases of hardware, operating systems, firmware, BIOS, switch software, etc., as they become available from the vendors. EMC works with the vendors during their development and release processes in order to be fully informed at the time the vendors release new versions. EMC does not announce qualification prior to vendors' General Availability. In some cases, EMC may choose to perform regression testing following the vendors' GA; in these cases and in cases where advance preparation is not possible, EMC may test and qualify vendors' products as appropriate after they have been released. For early support of such products, including vendor beta participation, contact your EMC Sales or EMC Customer Service representative.

Policy for End-of-Life Support

EMC strives to continue support for any installed platforms, but may remove support from this host matrix for new installations within three months after the vendor has announced that this platform has reached the end of life. EMC will continue support for existing installations of hardware, operating systems, and components that the vendor has officially declared to have reached end of life as long as support is available from the vendor.

End-of-Support Products

Symmetrix 5000 and 3000 Series

For Symmetrix 4.x support, please look at the Symmetrix 8000 Series section and check the footnotes for model/microcode compatibility. EMC Employees can obtain additional Symmetrix 4.x information from the C4 support group.

Symmetrix 8000 Series

Base Connectivity

EMC has qualified the following hosts. No other hosts are supported at this time. Symmetrix models and minimum Engenuity revisions are listed in the footnotes on most tables. EMC supports Symmetrix configured as a boot device for the servers listed below, provided that these requirements are followed. The purpose of these requirements is primarily to ensure the best possible response times for boot/root/swap volumes. For qualified configurations, Where possible, EMC recommends an alternate mirrored boot volume be configured.1. Spindles can be shared on Symm4 or later units only.2. Spindles can be shared if they are larger than 9GB in size.3. For Symmetrix 3000 and 5000 systems, the maximum number of Symmetrix logical volumes per Symmetrix boot port is 32. For Symmetrix 8000 and DMX systems, the following guidelines and recommendations must be adhered to. When using a SAN for boot/swap/page device the operation and performance of the server might be affected by external events that might cause the storage device not to be immediately accessible for periods of time. These events might result in slow response times as observed by the operating system and longer boot times. In some cases it can cause the server to crash (please see comments below for W2K/NT).

EMC recommends designing the distribution and mapping of the boot devices on the SAN in a way that will:

- Minimize the number of components between the server and the boot storage device.
- Will not present a load that will exceed the limits of the SAN. Below are some issues that must be considered when designing your SAN. Please refer to EMC Networked Storage Topology Guide ("Networked Storage Design Considerations/Fabric Design Practices" section) for a complete discussion on the topic.
- Sufficient bandwidth on the link between the switch and the storage port
- Sufficient ISLs in case where boot device and server are more than one hop apart
- ISL utilization

Events that could affect the availability of an external storage device:

Fibre Channel and SCSI environments:

- Lost connection to external storage (pulled or damaged external Fibre/SCSI cable connection).
- External storage service/upgrade procedures such as in some cases, online microcode upgrades and/or configuration changes.
- External storage director failures including failed lasers on Fibre Channel directors.
- External storage power failure.
- HBA failures.

Fibre Channel environment only:

- Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements.4. Boot/root and swap from a single host can be on the same channel.5. The boot disk should be high SCSI priority, e.g. SCSI TID 6 (0-7, 8-15: higher priority TID is 7, lowest is 8).6. A dedicated SA or FA is not required for boot devices.7. The Internal Host Boot Device may be mirrored with the External Symmetrix Boot Device to allow redundant pathing. Does not apply to Microsoft Windows.8. The Boot path must not include a hub in the topology.9. The maximum number of boot devices per port is equal to Fanout values listed in Fibre Channel Connectivity table. Note: All of the requirements below are necessary for Symmetrix 3/5000 Series. It is recommended, however, that they be considered for Symmetrix 8000 Series also.1. The Boot Device may not be a striped Meta Device on a Symmetrix 4.x.2. One spindle cannot house both boot/root and swap for any single host (does not apply to Microsoft Windows).3. One spindle cannot house boot/root for a given host and either boot/root or swap from another host.4. One spindle should not house swap from more than one host, nor should there be excessive swapping.5. The maximum number of hypers per Symmetrix spindle is 8.6. A spindle housing boot/root for a given host should be behind a different Director than the spindle housing swap for that host.7. Remaining hyper volumes on boot/root or swap spindle should be low-utilization and not high write content.

Amdahl UTS

Amdahl

Amdahl - Amdahl UTS						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Millennium: GS2000A, GS2000C, GS2000E, GS700	Mainframe Bus	Amdahl UTS: 2.1.5, 2.1.7, 4.3.2, 4.3.3, 4.4.0	IBM BMC-Parallel ¹	BMC-Parallel	N
2	Millennium: GS2000A, GS2000C, GS2000E, GS700	Mainframe Bus	Amdahl UTS: 2.1.5, 2.1.7, 4.3.2, 4.3.3, 4.4.0	IBM ESCON	ESCON	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

Bull GCOS

Bull

Bull - Bull GCOS						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	DPS9000/500; DPS9000/800	Mainframe Bus	Bull GCOS 8 SR4500	Bull BMC-Parallel	BMC-Parallel	N
2	DPS9000/TA	Mainframe Bus	Bull GCOS 8 SR5	Bull BMC-Parallel	BMC-Parallel	N
3	DPS9000/700(-2); DPS9000/900	Mainframe Bus	Bull GCOS 8: SR4500, SR5	Bull BMC-Parallel	BMC-Parallel	N
4	DPS9000/800	Mainframe Bus	Bull GCOS 8 SR4500	Bull ESCON	ESCON	N
5	DPS9000/TA	Mainframe Bus	Bull GCOS 8 SR5	Bull ESCON	ESCON	N
6	DPS9000/700(-2); DPS9000/900	Mainframe Bus	Bull GCOS 8: SR4500, SR5	Bull ESCON	ESCON	N
7	DPS7000/XTA	Mainframe Bus	Bull GCOS 7 V10	Emulex LP8000-F1	FC-AL	N
8	DPS9000/700(-2); DPS9000/TA	Mainframe Bus	Bull GCOS 8 SR5	Bull DCCG148-0000 ¹	FC-AL, FC-SW	N
9	DPS7000/XTA	Mainframe Bus	Bull GCOS 7 V10	Adaptec AHA-2944UW ²	FWD	N
10	DPS7000/8xx; DPS7000/Dx0; DPS7000/MT; DPS7000/Mx0; DPS7000/TA	Mainframe Bus	Bull GCOS 7 V9	Bull WSB	FWD	N

1. Fibre Channel device driver distributed and supported by Bull.

2. Requires Legacy PCI slot (not available on most new servers.)

Caldera UNIXWare

Fuji Serv (ICL)

Fuji Serv (ICL) - Caldera UNIXWare						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	DL	PCI	Caldera UNIXWare 2.1.3 ^{1, 2, 3}	QLogic QLA2100F ^{4, 5}	FC-AL ⁶	N

1. Symmetrix 8000 Series: 66/67 support via RPQ (5x67), 5568 support via RPQ.

2. For Windows support, see appropriate tables in this section

3. Requires RPQ

4. BIOS 1.37

5. Firmware Version 1.19.21.

6. Direct Connect only

Unisys

Unisys – Caldera UNIXWare						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	ES2023 ⁴ ; ES2045 ⁴	PCI	Caldera UNIXWare 2.1.3 ^{1, 2, 3}	Unisys PCI 1100–FC (QLA2100) ⁸	FC–AL	N
2	ES2023 ⁴ ; ES2045 ⁴	PCI	Caldera UNIXWare 2.1.3 ²	Unisys PCI 1120–FC (QLA2100–EMC, QLA2100F)	FC–AL	N
3	ES2043 ⁴	PCI	Caldera UNIXWare 2.1.3 ²	Unisys PCI: 1100–FC (QLA2100), 1120–FC (QLA2100–EMC, QLA2100F)	FC–AL	N
4	QR/2 ⁴	PCI	Caldera UNIXWare 7.1.1 ^{1, 2}	Unisys: FCH730211–P64 (QLA2200/66 HSSDC) ⁹ , FCH730213–P64 (QLA2200/66 SC) ⁹	FC–AL	N
5	QR/2 ⁴	PCI	Caldera UNIXWare 7.1.1 ^{1, 2, 3}	Unisys PCI 1120–FC (QLA2100–EMC, QLA2100F)	FC–AL	N
6	QS/2 ⁴	PCI	Caldera UNIXWare 7.1.1 ^{1, 2, 3}	Unisys: FCH730211–P64 (QLA2200/66 HSSDC) ⁹ , FCH730213–P64 (QLA2200/66 SC) ⁹ , PCI 1120–FC (QLA2100–EMC, QLA2100F)	FC–AL	N
7	DR/2; DS/2	PCI	Caldera UNIXWare 7.1.1 ^{1, 2, 4}	Unisys PCI: 1100–FC (QLA2100) ⁸ , 1120–FC (QLA2100–EMC, QLA2100F)	FC–AL	N
8	ES7000/100; ES7000/200; ES7000/230	PCI	Caldera UNIXWare 7.1.1 ^{2, 9}	Unisys: FCH730211–P64 (QLA2200/66 HSSDC) ^{9, 10} , FCH730213–P64 (QLA2200/66 SC) ^{9, 10} , PCI 1100–FC (QLA2100), PCI 1120–FC (QLA2100–EMC, QLA2100F)	FC–AL	N
9	ES2025; ES2044	PCI	Caldera UNIXWare 7.1.1 ^{2, 9}	Unisys: FCH730211–P64 (QLA2200/66 HSSDC) ⁹ , FCH730213–P64 (QLA2200/66 SC) ⁹	FC–AL	N
10	ES2023; ES2043; ES2045; ES2085	PCI	Caldera UNIXWare 7.1.1 ^{2, 9}	Unisys: FCH730211–P64 (QLA2200/66 HSSDC) ⁹ , FCH730213–P64 (QLA2200/66 SC) ⁹ , PCI 1100–FC (QLA2100), PCI 1120–FC (QLA2100–EMC, QLA2100F)	FC–AL	N
11	QR/2 ⁴	PCI	Caldera UNIXWare: 2.1.3 ^{1, 2, 3} , 7.1.1 ^{1, 2}	Unisys PCI 1100–FC (QLA2100) ⁸	FC–AL	N
12	QS/2 ⁴	PCI	Caldera UNIXWare: 2.1.3 ^{1, 2, 3} , 7.1.1 ^{1, 2, 3}	Unisys PCI 1100–FC (QLA2100) ⁸	FC–AL	N
13	ES2025	PCI	Caldera UNIXWare: 2.1.3 ² , 7.1.1 ^{2, 9}	Unisys PCI: 1100–FC (QLA2100), 1120–FC (QLA2100–EMC, QLA2100F)	FC–AL	N
14	SMP61000 10X	EISA, PCI	Caldera UNIXWare 2.1.3 ^{1, 2, 3, 4}	Unisys PCI 400–1UD (AHA2944UW)	UWD	N
15	SMP6400: QR/6, QS/6	EISA, PCI	Caldera UNIXWare 2.1.3 ^{1, 2, 3, 4}	Unisys SFA 1001–QDW (Adaptec AHA4944) ⁵	UWD	N
16	U6000: 550, 580	EISA, PCI	Caldera UNIXWare 2.1.3 ^{1, 2, 3, 4}	Unisys: UN6000–EWD ⁵ , UN6500–SSB (Unisys) ⁵	UWD	N
17	SMP6400: QR/6, QS/6	EISA, PCI	Caldera UNIXWare 7.1.1 ^{1, 2, 4}	Unisys OSR2944–HBA (AHA–2944DW) ⁵	UWD	N
18	SMP61000 10X	EISA, PCI	Caldera UNIXWare 7.1.1 ^{1, 2, 4}	Unisys PCI: 400–1UD (AHA2944UW) ⁵ , 400–2UD ⁵	UWD	N
19	SMP61000 10X	EISA, PCI	Caldera UNIXWare: 2.1.3 ^{1, 2, 3, 4} , 7.1.1 ^{1, 2, 4}	Unisys SFA: 1001–QDW (Adaptec AHA4944) ⁵ , 10201–SDW (Symbios 8751D) ⁵	UWD	N
20	SMP6400: QR/6, QS/6	EISA, PCI	Caldera UNIXWare: 2.1.3 ^{1, 2, 3, 4} , 7.1.1 ^{1, 2, 4}	Unisys: PCI 400–1UD (AHA2944UW), SFA 10201–SDW (Symbios 8751D) ⁵	UWD	N
21	ES2023 ⁴ ; ES2045 ⁴	PCI	Caldera UNIXWare 2.1.3 ^{1, 2, 3}	Unisys PCI 400–1UD (AHA2944UW)	UWD	N
22	XS/6 Unisys 10X ⁷	PCI	Caldera UNIXWare 2.1.3 ^{1, 2, 3, 4}	Unisys: OSR2944–HBA (AHA–2944DW) ⁵ , SFA 1001–QDW (Adaptec AHA4944) ⁵	UWD	N
23	XR/6 Unisys 10X ⁷	PCI	Caldera UNIXWare 2.1.3 ^{1, 2, 3, 4}	Unisys: OSR2944–HBA (AHA–2944DW) ⁵ , SFA 1001–QDW (Adaptec AHA4944) ⁵ , SFA 10201–SDW (Symbios 8751D) ⁵	UWD	N
24	XR/6 Unisys 10X ⁷	PCI	Caldera UNIXWare 7.1.1 ^{1, 2, 4}	Unisys SFA 10201–SDW (Symbios 8751D)	UWD	N
25	ES2023; ES2024; ES2025; ES2043; ES2044; ES2045; ES2085; ES7000/100; ES7000/200; ES7000/230	PCI	Caldera UNIXWare 7.1.1 ^{2, 9}	Unisys PCI 400–1UD (AHA2944UW)	UWD	N
26	DR/2; DS/2; XR/6 Unisys 10X ⁷	PCI	Caldera UNIXWare: 2.1.3 ^{1, 2, 3, 4} , 7.1.1 ^{1, 2, 4}	Unisys PCI 400–1UD (AHA2944UW)	UWD	N
27	HR/6 ALR 6X; HS/6 ALR 6X; QR/6 ALR 4X; QS/6 ALR 4X ⁶	PCI	Caldera UNIXWare: 2.1.3 ^{1, 2, 3, 4} , 7.1.1 ^{1, 2, 4}	Unisys: PCI 400–1UD (AHA2944UW), SFA 1001–QDW (Adaptec AHA4944) ⁵ , SFA 10201–SDW (Symbios 8751D) ⁵	UWD	N
28	XS/6 Unisys 10X ⁷	PCI	Caldera UNIXWare: 2.1.3 ^{1, 2, 3, 4} , 7.1.1 ^{1, 2, 4}	Unisys: PCI 400–1UD (AHA2944UW), SFA 10201–SDW (Symbios 8751D) ⁵	UWD	N
29	QR/2 ⁴ ; QS/2 ⁴	PCI	Caldera UNIXWare: 2.1.3 ^{1, 2, 3} , 7.1.1 ^{1, 2}	Unisys PCI 400–1UD (AHA2944UW)	UWD	N

- Supported by Unisys only.
- Symm5 & 66/67 support via RPQ(5x67)(UnixWare).
- Supported by Unisys RPQ only.
- Not supported on a Symmetrix 8000 Series, no plans for support.
- EMC does not support this HBA; supported by Unisys ONLY.
- Also ClearPath VX14xx Styles.
- Also ClearPath VX13xx Styles.
- Use with Copper Hub.
- For ES7000–xxx, Plateau below 8.1.1 use BIOS 1.63. For ES7000–xxx, Plateau 8.1.1 must use BIOS 1.71.
- Driver Version 3.13c.

DG DG/UX

DG

DG – DG DG/UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	AViiON AV20000	PCI	DG DG/UX R4.20MU06 ^{2,3}	Emulex LP8000–EMC ¹⁰	FC–AL, FC–SW	Y ^{4,5,9}	See ¹
2	AViiON AV20000	PCI	DG DG/UX R4.20MU07 ^{2,3}	Emulex LP8000–EMC ¹⁰	FC–AL, FC–SW	N	See ¹
3	AViiON: AV35000, AV3700, AV3750	PCI	DG DG/UX: R4.20MU06 ^{2,3} , R4.20MU07 ^{2,3}	Emulex LP8000–EMC ¹⁰	FC–AL, FC–SW	Y ^{4,5,9}	See ¹
4	AViiON: AV20000, AV35000, AV3750	PCI	DG DG/UX: R4.20MU06 ^{2,3} , R4.20MU07 ^{2,3}	Emulex LP8000–F1 ^{4,5}	FC–AL, FC–SW	N	See ¹
5	AViiON: AV1400, AV3704, AV3800, AV8900, AV8950	PCI	DG DG/UX: R4.20MU06 ^{2,3} , R4.20MU07 ^{2,3}	Emulex: LP8000–EMC ¹⁰ , LP8000–F1 ^{4,5}	FC–AL, FC–SW	N	See ¹
6	AViiON AV25000	PCI	DG DG/UX: R4.20MU06 ² , R4.20MU07 ^{2,3}	Emulex LP8000–EMC ¹⁰	FC–AL, FC–SW	Y ^{4,5,9}	See ¹
7	AViiON AV25000	PCI	DG DG/UX: R4.20MU06 ² , R4.20MU07 ^{2,3}	Emulex LP8000–F1 ^{4,5}	FC–AL, FC–SW	N	See ¹
8	AViiON AV3704R	PCI	DG DG/UX: R4.20MU06 ² , R4.20MU07 ^{2,3}	Emulex: LP8000–EMC ¹⁰ , LP8000–F1 ^{4,5}	FC–AL, FC–SW	N	See ¹
9	AViiON AV5500 88k based	PCI	DG DG/UX R4.11MU03 ²	DG 7435	FWD	N	See ¹
10	AViiON: AV4900, AV5900, AV8600	PCI	DG DG/UX R4.11MU03 ²	DG 7444 (Symbios C825)	FWD	N	See ¹
11	AViiON: AV1400 ⁶ , AV25000, AV2700 ⁶ , AV35000, AV3700, AV3750	PCI	DG DG/UX R4.20MU06 ²	Adaptec AHA–2944UW ^{7,8}	UWD	N	See ¹

- For more information see <http://athena.europe.dg.com>
- Symmetrix 8000 Series: 66/67 support at DG/UX 4.11, 5568 support at DG/UX 4.20.
- The release notice for DG/UX (included with the software release at path: "/usr/release/dgux*.m) lists supported platforms.
- DG/UX automatically loads the firmware and BIOS onto the Emulex HBA during boot-up as needed.
- Only the Brocade FC switch connection is supported. Connectrix FC switch is not supported.
- Supported with Magic OS.
- The driver is available at <http://www.adaptec.com/worldwide/support/suppbyproduct.html?cat=/Technology/SCSI+Host+Adapters&fromPage=driverindex>
- Requires Legacy PCI slot (not available on most new servers.)**
- FC–AL support requires LP8000 BIOS version DB1.60A7 and firmware version DS3.20x4.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.

EMC NAS
EMC

EMC – EMC NAS						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Celerra File Server Data Mover DM7 Series	PCI	EMC NAS: 2.2.15, 2.2.24, 2.2.25, 2.2.39, 2.2.49, 2.2.53, 2.2.57, 2.2.60, 4.1.12, 4.1.8, 4.2.11, 4.2.18, 4.2.22, 4.2.5, 5.0.11, 5.0.9, 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC 250–736–900 ¹	FC–SW	N
2	Celerra File Server Control Station CS–507 Series ²	PCI	EMC NAS: 2.2.25, 2.2.39, 2.2.49, 2.2.53, 2.2.57, 2.2.60, 4.1.12, 4.1.4, 4.1.8, 4.2.11, 4.2.18, 4.2.22, 4.2.5, 5.0.11, 5.0.9, 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC 201–712–900 ¹	FC–SW	N
3	Celerra File Server Data Mover DM 510 Series	PCI	EMC NAS: 4.1.12, 4.1.8, 4.2.11, 4.2.18, 4.2.22, 4.2.5, 5.0.11, 5.0.9, 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC: 250–734–902 ⁴ , 250–735–900 ^{1,3}	FC–SW	N
4	Celerra File Server Data Mover DM7 Series	PCI	EMC NAS: 2.2.15, 2.2.25, 2.2.49, 2.2.53, 2.2.57, 2.2.60, 4.1.12, 4.1.4, 4.1.8, 4.2.11, 4.2.18, 4.2.22, 4.2.5, 5.0.11, 5.0.9, 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC 201–527–903 ¹	UWD	N
5	Celerra File Server Control Station: CS–507 Series ² , CS–516 Series ²	PCI	EMC NAS: 2.2.53, 2.2.60, 4.1.12, 4.2.11, 5.0.11, 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC 201–527–903 ¹	UWD	N
6	Celerra File Server Control Station: CS–507 Series, CS–516 Series ²	PCI	EMC NAS: 2.2.25, 2.2.49, 2.2.57, 4.1.4, 4.1.8, 4.2.18, 4.2.22, 4.2.5, 5.0.9	EMC 201–527–903	UWD ¹	N

- Host Adapter Card is not field-replaceable.
- A SCSI-based Control Station cannot be mixed with a Fibre Channel-based Control Station in a Celerra Cabinet. A SCSI Control Station-based Celerra cannot be upgraded to a Fibre Channel Control Station-based Celerra.
- This HBA is for connecting to a disk array.
- This HBA is for connecting to a Tape Library unit.

Egnera BladeFrame
Egnera

Egnera – Egnera BladeFrame						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	BladeFrame cBlade–EP ⁴	PCI–X	Egnera BladeFrame 3.0 ^{1,2}	QLogic QLA2342–E–SP ^{3,5,6,7}	FC–AL, FC–SW	Y

- Maximum of 423 LUNs are supported per BladeFrame.
- pBlades are qualified with RedHat 2.1 Advanced Server v2.4.9–e.12, v2.4.9–e.16 and v2.4.9–e.25.
- Supported with v4.47.18e QLogic driver included cBlade OS, BladeFrame 3.0, and BIOS v1.34.
- PowerPath is not supported on Egnera. Egnera multi-pathing is supported on both Symmetrix and CLARiiON storage arrays.
- Driver Version 4.47.18e5.
- Firmware Version 3.01.13.
- FCode value 1.34.

Fuji Serv (ICL) Open VME
Fuji Serv (ICL)

Fuji Serv (ICL) – Fuji Serv (ICL) Open VME							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	DL	PCI	Fuji Serv (ICL) Open VME 3 ^{1,2}	QLogic QLA2100F ^{3,4}	FC–AL	N	
2	Trimetra Nova	PCI	Fuji Serv (ICL) Open VME 4 ^{1,2,6}	QLogic QLA2200F ^{7,8}	FC–AL, FC–SW	Y	
3	Trimetra Nova 3	PCI	Fuji Serv (ICL) Open VME: 4.2, 5	QLogic QLA2200F ^{7,8}	FC–AL, FC–SW	Y	
4	Trimetra Nova	PCI	Fuji Serv (ICL) Open VME 4 ^{1,2,6}	Fuji Serv (ICL) Mark: 1 H570, 2 H570	FWD	N	
5	SY	PCI	Fuji Serv (ICL) Open VME: 2 ^{1,2} , 3 ^{1,2}	Fuji Serv (ICL) Mark: 1 H570, 2 H570, 3 H593	FWD	N	See ⁵
6	LY; SX	Smart–Fibre	Fuji Serv (ICL) Open VME: 2 ^{1,2} , 3 ^{1,2}	Fuji Serv (ICL) Mark: 1 H570, 2 H570, 3 H593	FWD	N	See ⁵

1. Symmetrix 8000 Series: 66/67 support via RPQ (5x67), 5568 support via RPQ.
2. For Windows support, see appropriate tables in this section
3. BIOS 1.37
4. Firmware Version 1.19.21.
5. Requires SDS Controller Pair Software Package shipped with Controllers from Fujitsu Services (ICL).
6. Requires OV/K/0041.3
7. Fujitsu Services (ICL) part number FC0310406-05C, BIOS 1.72.
8. Firmware Version 2.01.38.

Fujitsu OS IV/F4

Fujitsu

Fujitsu – Fujitsu OS IV/F4						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	GS21 series; GS8000 Series; M1000 Series; M700 Series; PRIMEFORCE 80000 Series; Primeforce 2100 series	Mainframe Bus	Fujitsu OS IV/F4 MSP (MSP E20)	Fujitsu BMC-Parallel ¹	BMC-Parallel	N
2	GS21 series; GS8000 Series; M1000 Series; M700 Series; PRIMEFORCE 80000 Series; Primeforce 2100 series	Mainframe Bus	Fujitsu OS IV/F4 MSP (MSP E20)	Fujitsu OCLINK ¹	ESCON	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

Fujitsu OS IV/MSP

Fujitsu

Fujitsu – Fujitsu OS IV/MSP						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	GS21 series; GS8000 Series; M1000 Series; M700 Series; PRIMEFORCE 80000 Series; Primeforce 2100 series	Mainframe Bus	Fujitsu OS IV/MSP AFII (MSP-EX) V10L10 PTF C94091	Fujitsu BMC-Parallel ¹	BMC-Parallel	N
2	GS21 series; GS8000 Series; M1000 Series; M700 Series; PRIMEFORCE 80000 Series; Primeforce 2100 series	Mainframe Bus	Fujitsu OS IV/MSP AFII (MSP-EX) V10L10 PTF C94091	Fujitsu OCLINK ¹	ESCON	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

Fujitsu OS IV/XSP

Fujitsu

Fujitsu – Fujitsu OS IV/XSP						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	GS21 series; GS8000 Series; M1000 Series; M700 Series; PRIMEFORCE 80000 Series; Primeforce 2100 series	Mainframe Bus	Fujitsu OS IV/XSP AFII V10L10 PTF V94121	Fujitsu BMC-Parallel ¹	BMC-Parallel	N
2	GS21 series; GS8000 Series; M1000 Series; M700 Series; PRIMEFORCE 80000 Series; Primeforce 2100 series	Mainframe Bus	Fujitsu OS IV/XSP AFII V10L10 PTF V94121	Fujitsu OCLINK ¹	ESCON	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

Fujitsu SVR4

Fujitsu

Fujitsu – Fujitsu SVR4							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	DS90 Japan only	SBUS	Fujitsu SVR4 V4.20	Fujitsu F7958HS1	FWD	N	See ¹

1. Requires Fujitsu patch V20L20

Fujitsu Solaris

Fujitsu

Fujitsu – Fujitsu Solaris							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PRIMEPOWER GP7000F: 1000 ⁵ , 2000 ⁵ , 200 ⁵ , 400 ⁵ , 600 ⁵ , 800 ⁵	PCI	Fujitsu Solaris: 2.6 ² , 9/02 ¹⁴	Fujitsu GP7B8FC1 ^{7, 8, 9}	FC-AL	N	See ¹
2	PRIMEPOWER 1500Z	PCI	Fujitsu Solaris 8 02/02 ¹⁰	Emulex: LP10000-E ^{15, 16, 17} , LP10000DC-E ^{15, 16, 17} , LP9802-E ^{15, 17, 18} ; Fujitsu PW008FC2 ¹³	FC-AL, FC-SW	N	See ¹
3	GP-S Family / S-Series S-7/400 Ui 300T ¹¹	PCI	Fujitsu Solaris 8 ¹⁰	Emulex LP9802-E ^{15, 17, 18}	FC-AL, FC-SW	N	See ¹
4	PRIMEPOWER GP7000F 2000 ⁵	PCI	Fujitsu Solaris: 7 ⁶ , 8 ¹⁰	Fujitsu GP7B8FC1 ^{8, 9}	FC-AL, FC-SW	N	See ¹
5	PRIMEPOWER GP7000F: 1000 ⁵ , 400 ⁵ , 600 ⁵ , 800 ⁵	PCI	Fujitsu Solaris: 7 ⁶ , 8 ¹⁰ , 9/02 ¹⁴	Fujitsu GP7B8FC1 ^{8, 9}	FC-AL, FC-SW	N	See ¹

Fujitsu – Fujitsu Solaris							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
6	PRIMEPOWER GP7000F: 1000, 2000, 400, 600, 800	PCI	Fujitsu Solaris: 7 ⁶ , 8 ¹⁰ , 9 09/02 ¹⁴	Fujitsu PW008FC2 ¹³	FC-AL, FC-SW	N	See ¹
7	PRIMEPOWER GP7000F 200 ⁵	PCI	Fujitsu Solaris: 7 ⁶ , 8 ¹⁰ , 9 09/02 ¹⁴	Fujitsu: GP7B8FC1 ^{8, 9} , PW008FC2 ¹³	FC-AL, FC-SW	N	See ¹
8	PRIMEPOWER: 1500, 250, 2500, 450, 900	PCI	Fujitsu Solaris: 8 02/02 ¹⁰ , 9 04/03 ¹⁴	Emulex: LP10000-E ^{15, 16, 17} , LP10000DC-E ^{15, 16, 17} , LP9802-E ^{15, 17, 18} ; Fujitsu PW008FC2 ¹³	FC-AL, FC-SW	N	See ¹
9	PRIMEPOWER: 650, 850	PCI	Fujitsu Solaris: 8 850/650 ¹⁰ , 9 12/02 ¹⁴	Emulex: LP10000-E ^{15, 16, 17} , LP10000DC-E ^{15, 16, 17} , LP9802-E ^{15, 17, 18} ; Fujitsu: GP7B8FC1 ^{7, 8, 9, 12} , PW008FC2 ¹³	FC-AL, FC-SW	N	See ¹
10	PRIMEPOWER GP7000F: 1000 ⁵ , 2000 ⁵ , 400 ⁵ , 600 ⁵ , 800 ⁵	PCI	Fujitsu Solaris: 8 ¹⁰ , 9 09/02 ¹⁴	Emulex LP9802-E ^{15, 17, 18}	FC-AL, FC-SW	N	See ¹
11	PRIMEPOWER GP7000F: 1000, 2000, 400, 600, 800	PCI	Fujitsu Solaris: 8 ¹⁰ , 9 09/02 ¹⁴	Emulex: LP10000-E ^{15, 16, 17} , LP10000DC-E ^{15, 16, 17}	FC-AL, FC-SW	N	See ¹
12	PRIMEPOWER GP7000F 200 ⁵	PCI	Fujitsu Solaris: 8 ¹⁰ , 9 09/02 ¹⁴	Emulex: LP10000-E ^{15, 16, 17} , LP10000DC-E ^{15, 16, 17} , LP9802-E ^{15, 17, 18}	FC-AL, FC-SW	N	See ¹
13	PRIMEPOWER GP7000F 2000 ⁵	PCI	Fujitsu Solaris 9 09/02 ¹⁴	Fujitsu GP7B8FC1 ^{8, 9}	FC-SW	N	See ¹
14	GP-S Family / S-Series S-7/400 Ui 300T ¹¹ ; PRIMEPOWER GP7000F: 1000 ⁵ , 2000 ⁵ , 200 ⁵ , 400 ⁵ , 600 ⁵ , 800 ⁵	PCI	Fujitsu Solaris: 2.6 ² , 7 ⁶ , 8 ¹⁰	Fujitsu: GP70F-CS02, X6541A-A ³ , 4; Sun X6541A-X ³ , 4	UWD	N	See ¹

- For use in Asia Pacific/Japan only. Refer to Fujitsu Siemens Base Connectivity information for US/Europe.
- EMC required Solaris patches for Fujitsu PCI Bus servers running Solaris 2.6 (must be obtained from Fujitsu): 105181-33: SunOS 5.6:kernel update patch. 105356-19: SunOS 5.6: /kernel/drv/ssd and /kernel/drv/sd patch. 105580-19: SunOS 5.6: /kernel/drv/glm patch.
- Requires N-bit for PCI SCSI interface to support PowerPath.
- Disconnecting and reconnecting the SCSI cable on an active system will reduce I/O transfer rate due to negotiation issues. Host is not capable of WDTR after link recovery.
- Additional Fujitsu Safe Series software qualified in the single host environment, and associated patch requirement (must be obtained from Fujitsu): Fujitsu SafeFile 1.1: 910232-18 Fujitsu SafeFile 1.2: 910738-05 Fujitsu SafeFile 1.3: 910879-04 Fujitsu SafeFile/Global 1.2 910937-06 Fujitsu SafeDisk 1.1: 910315-08, 910432-01. Fujitsu SafeDisk 1.2.1: 910721-06. Fujitsu SafeDisk/Global 2.0: 910920-05. Fujitsu SafeDisk 2.0: 910926-05. Fujitsu SafeLink 2.0: 910743-07, 910766-03.
- Fujitsu requires all patches for Solaris 7 be obtained through Fujitsu in the form of a Solaris 7 PTF patch CD. The current patch CD is Solaris 7 PTF R03111.
- EMC DP3-FC08 may not be used with Fujitsu GP7B8FC1 FC-AL.
- Fujitsu GP7B8FC1 HBA requires Fujitsu patch 910936-11.
- Driver Version v2.2.
- Fujitsu requires all patches for Solaris 8 be obtained through Fujitsu in the form of a Solaris 8 PTF patch CD. The current patch CD is Solaris 8 PTF R03111.
- Same machine as Sun Ultra 10 Model 300, and Fujitsu Ltd. GP400S Model 10.
- Fabric topology(FC-SW) supported with Solaris 7 and 8 only.
- Requires Fujitsu PFA 2.2.1 and patch 912069-10.
- Fujitsu requires that all patches for Solaris 9 be obtained through Fujitsu in the form of a Solaris 9 PTF patch CD. The current patch CD is Solaris 9 PTF R03111.
- FCode value 1.40a0.
- Firmware Version 1.80a2.
- Driver Version 5.02b.
- Firmware Version 1.01a2.

Fujitsu UXP/DS Fujitsu

Fujitsu – Fujitsu UXP/DS							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PRIMEPOWER GP7000D	SBUS	Fujitsu UXP/DS: V20L10, V20L40	Fujitsu F7958HS1	FWD	N	See ¹

- Requires Fujitsu patch V20L30 or higher

Fujitsu Siemens BS2000/OSD Fujitsu Siemens

Fujitsu Siemens – Fujitsu Siemens BS2000/OSD						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	C80-2 ² ; C80 ²	Mainframe Bus	Fujitsu Siemens BS2000/OSD: V3.0, V4.0	Fujitsu Siemens ESCON	ESCON ¹	Y
2	S110 ² ; S115 ² ; S120 ² ; S130 ² ; S135 ² ; S140 ² ; S145 ² ; S150 ² ; S160 ² ; S170 ² ; S180 ²	Mainframe Bus	Fujitsu Siemens BS2000/OSD: V3.0, V4.0, V5.0	Fujitsu Siemens ESCON	ESCON ¹	Y
3	S145 ²	Mainframe Bus	Fujitsu Siemens BS2000/OSD V5.0	Fujitsu Siemens GS214FC05	FC-SW ³	Y
4	S180 ²	Mainframe Bus	Fujitsu Siemens BS2000/OSD V5.0	Fujitsu Siemens GS216FC05	FC-SW ³	Y
5	S120 ² ; S140 ²	Mainframe Bus	Fujitsu Siemens BS2000/OSD V5.0	Fujitsu Siemens GS8551C05	FC-SW ³	Y
6	S170 ²	Mainframe Bus	Fujitsu Siemens BS2000/OSD V5.0	Fujitsu Siemens GS8951C05	FC-SW ³	Y

- Symmetrix 8000 Series 5566/5567/5568; Symmetrix 3/5000 Series 5266/5267 support. No online out-of-family upgrades supported.
- SHC-OSD (Symmetrix Host Component for BS2000/OSD) is the only external software for TimeFinder/SRDF features. Further restrictions apply. Contact C4 Group or reference http://www.fujitsu-siemens.com/rl/products/bs2000/symmetrix_bs2000.html.
- Symmetrix 8000 Series 5567/5568 support. No online out-of-family upgrades supported.

Fujitsu Siemens OSD-SVP Fujitsu Siemens

Fujitsu Siemens – Fujitsu Siemens OSD-SVP						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	SR2000 B ²	Mainframe Bus	Fujitsu Siemens OSD-SVP: V2.0, V3.0, V4.0, V4.1	Fujitsu Siemens ESCON	ESCON ¹	Y
2	SR2000 C ²	Mainframe Bus	Fujitsu Siemens OSD-SVP: V4.0, V4.1	Fujitsu Siemens ESCON	ESCON ¹	Y
3	SR2000 B ²	PCI	Fujitsu Siemens OSD-SVP: V2.0, V3.0, V4.0, V4.1	Fujitsu Siemens RM6T5-CF10 ¹	FC-AL, FC-SW	Y

Fujitsu Siemens – Fujitsu Siemens OSD–SVP						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
4	SR2000 C ²	PCI	Fujitsu Siemens OSD–SVP: V4.0, V4.1	Fujitsu Siemens RM6T5–CF10 ¹	FC–AL, FC–SW	Y
5	SR2000 B ²	PCI	Fujitsu Siemens OSD–SVP: V2.0, V3.0, V4.0, V4.1	Fujitsu Siemens RM6T5–CS05 ¹	FWD, UWD	Y

1. Symmetrix 8000 Series 5566/5567/5568; Symmetrix 3/5000 Series 5266/5267 support. No online out-of-family upgrades supported.
2. SHC–OSD (Symmetrix Host Component for BS2000/OSD) is the only external software for TimeFinder/SRDF features. Further restrictions apply. Contact C4 Group or reference http://www.fujitsu-siemens.com/rl/products/bs2000/symmetrix_bs2000.html.

Fujitsu Siemens OSD/XC

Fujitsu Siemens

Fujitsu Siemens – Fujitsu Siemens OSD/XC						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	SX140 (PRIMEPOWER 900) ² ; SX140E (PRIMEPOWER 1500) ² ; SX140S (PRIMEPOWER 2500) ²	Mainframe Bus	Fujitsu Siemens OSD/XC V1.1	Fujitsu Siemens ESCON	ESCON ¹	Y
2	SX130 (PRIMEPOWER 800) ²	Mainframe Bus	Fujitsu Siemens OSD/XC: V1.0, V1.1	Fujitsu Siemens ESCON	ESCON ¹	Y
3	SX100 (PRIMEPOWER 650) ²	PCI	Fujitsu Siemens OSD/XC V1.1	Fujitsu Siemens GP70F–CF30 (Emulex LP9002L–F2) ^{1, 3, 4, 5}	FC–AL, FC–SW	Y
4	SX140 (PRIMEPOWER 900) ² ; SX140E (PRIMEPOWER 1500) ² ; SX140S (PRIMEPOWER 2500) ²	PCI	Fujitsu Siemens OSD/XC V1.1	Fujitsu Siemens: GP70F–CF30 (Emulex LP9002L–F2) ^{1, 3, 4, 5} , GP70F–CF31 (Emulex LP9802–F3) ^{1, 3, 6}	FC–AL, FC–SW	Y
5	SX130 (PRIMEPOWER 800) ²	PCI	Fujitsu Siemens OSD/XC: V1.0, V1.1	Fujitsu Siemens: GP70F–CF10 (Emulex LP8000–F1) ^{1, 3, 4, 5} , GP70F–CF30 (Emulex LP9002L–F2) ^{1, 3, 4, 5}	FC–AL, FC–SW	Y

1. Symmetrix 8000 Series 5566/5567/5568; Symmetrix 3/5000 Series 5266/5267 support. No online out-of-family upgrades supported.
2. SHC–OSD (Symmetrix Host Component for BS2000/OSD) is the only external software for TimeFinder/SRDF features. Further restrictions apply. Contact C4 Group or reference http://www.fujitsu-siemens.com/rl/products/bs2000/symmetrix_bs2000.html.
3. Supports PowerPath 3.0 or greater.
4. Driver Version 5.01e.
5. Firmware Version 3.91.a3.
6. Requires firmware 1.01a2 or higher with driver 5.02c

Fujitsu Siemens Reliant UNIX

Fujitsu Siemens

Fujitsu Siemens – Fujitsu Siemens Reliant UNIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	DS2000 ¹⁰	PCI	Fujitsu Siemens Reliant UNIX 2000–Y V8.0 (5.44B) ²	Fujitsu Siemens RM6T5–CF10 ⁵	FC–AL	N	
2	RM600E30; RM600E70; SR2000 ⁹	PCI	Fujitsu Siemens Reliant UNIX 2000–Y: V8.0 (5.44B) ² , V8.5 (5.45B) ²	Fujitsu Siemens RM6T5–CF10 ⁵	FC–AL	N	
3	RM600E30; RM600E70	PCI	Fujitsu Siemens Reliant UNIX: V5.43C50 ² , V5.44C10 ² , V5.44C40 ² , V5.45A10 ² , V5.45A30 ² , V5.45B00 ²	Fujitsu Siemens RM6T5–CF10 ⁵	FC–AL	N	See ⁴
4	RM300E ³ ; RM400C ³	PCI	Fujitsu Siemens Reliant UNIX: V5.44B10 ² , V5.44C40 ²	Fujitsu Siemens: RM300–CF02, RM400–CF02	FC–AL	N	See ¹
5	RM400E ³	PCI	Fujitsu Siemens Reliant UNIX: V5.44B10 ² , V5.45A40 ²	Fujitsu Siemens: RM300–CF02, RM400–CF02	FC–AL	N	See ¹
6	RM Server Node Model: SN85, SN86; RM600CS42; RM600E40; RM600E45; RM600E80; RM600E85	PCI	Fujitsu Siemens Reliant UNIX: V5.45A10 ² , V5.45B00 ²	Fujitsu Siemens RM6T5–CF10 ^{5, 6}	FC–AL	N	See ⁴
7	RM600CS42; RM600E40; RM600E45; RM600E80; RM600E85	PCI	Fujitsu Siemens Reliant UNIX: V5.45B10 ² , V5.45B20	Fujitsu Siemens RM6T5–CF10 ^{5, 6}	FC–AL	N	See ^{4, 12}
8	RM400C ³	PCI	Fujitsu Siemens Reliant UNIX: V5.44C40 ² , V5.45A30	Fujitsu Siemens RM6T5–CF10	FC–AL, FC–SW	N	See ¹
9	RM600CS42; RM600E40; RM600E45; RM600E80; RM600E85	PCI	Fujitsu Siemens Reliant UNIX: V5.45A10, V5.45B00 ²	Fujitsu Siemens LP8000–EMC (GP70F–CF10) (PP028FC1X) ^{5, 13, 14, 15}	FC–AL, FC–SW	N	See ^{4, 12}
10	RM Server Node Model: SN85, SN86	PCI	Fujitsu Siemens Reliant UNIX: V5.45B00 ² , V5.45B10, V5.45B20	Fujitsu Siemens LP8000–EMC (GP70F–CF10) (PP028FC1X) ^{14, 15}	FC–AL, FC–SW	N	See ^{4, 12}
11	RM600E30; RM600E70	PCI	Fujitsu Siemens Reliant UNIX: V5.45B10 ² , V5.45B20 ²	Fujitsu Siemens RM6T5–CF10 ⁵	FC–AL, FC–SW	N	See ⁴
12	DS2000 ¹⁰	PCI	Fujitsu Siemens Reliant UNIX 2000–Y V8.5 (5.45B) ²	Fujitsu Siemens RM6T5–CF10 ⁵	FC–SW	N	
13	RM400E ³	PCI	Fujitsu Siemens Reliant UNIX V5.44C40 ²	Fujitsu Siemens: RM300–CF02, RM400–CF02	FC–SW	N	See ¹
14	RM Server Node Model: SN85, SN86	PCI	Fujitsu Siemens Reliant UNIX: V5.45B10, V5.45B20	Fujitsu Siemens RM6T5–CF10 ^{5, 6}	FC–SW	N	See ^{4, 12}
15	RM600CS42; RM600E30; RM600E40; RM600E45; RM600E70; RM600E80; RM600E85	PCI	Fujitsu Siemens Reliant UNIX V5.43C30 ²	Fujitsu Siemens RM610–CS9	FWD	N	See ¹⁶

Fujitsu Siemens – Fujitsu Siemens Reliant UNIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
16	RM Server Node Model: SN85, SN86	PCI	Fujitsu Siemens Reliant UNIX V5.45B00 ²	Fujitsu Siemens RM6T5-CS05	FWD	N	See ⁷
17	RM600E30; RM600E70	PCI	Fujitsu Siemens Reliant UNIX: V5.43C10 ² , V5.43C50 ² , V5.44C40 ² , V5.45A30 ² , V5.45B00 ²	Fujitsu Siemens RM6T5-CS05	FWD	N	See ⁷
18	RM600CS42; RM600E40; RM600E45; RM600E80; RM600E85	PCI	Fujitsu Siemens Reliant UNIX: V5.45A10 ² , V5.45A30 ² , V5.45B00 ²	Fujitsu Siemens RM6T5-CS05	FWD	N	See ⁷
19	RM600E20; RM600E60	SPBus	Fujitsu Siemens Reliant UNIX 2000-Y: V7.5 (5.43C20) ² , V8.0 (5.44B) ² , V8.5 (5.45B) ²	Fujitsu Siemens RM6T5-CS05	FWD	N	
20	RM600E20; RM600E60	SPBus	Fujitsu Siemens Reliant UNIX V5.43C30 ²	Fujitsu Siemens RM610-CS9	FWD	N	See ¹⁶
21	RM600E20; RM600E60	SPBus	Fujitsu Siemens Reliant UNIX: V5.43C10 ² , V5.44C40 ²	Fujitsu Siemens RM6T5-CU13	FWD	N	See ⁷
22	RM Server Node Model: SN85, SN86; RM600CS42; RM600E30; RM600E40; RM600E45; RM600E70; RM600E80; RM600E85	PCI	Fujitsu Siemens Reliant UNIX: V5.45B10 ² , V5.45B20 ²	Fujitsu Siemens RM6T5-CS05	FWD, UWD ¹¹	N	See ⁷
23	SR2000 ⁹	PCI	Fujitsu Siemens Reliant UNIX 2000-Y: V7.5 (5.43C20) ² , V8.0 (5.44B) ² , V8.5 (5.45B) ²	Fujitsu Siemens RM6T5-CS05	UWD	N	See ⁸
24	RM400C ³	PCI	Fujitsu Siemens Reliant UNIX: V5.43C20XX ² , V5.43C50 ²	Fujitsu Siemens RM400-CS20 ¹¹	UWD	N	See ⁷

- 128 LUNs supported only with Reliant UNIX V5.44C1014 and higher.
- Symmetrix 8000 Series: 66/67 support: Reliant UNIX 5.44,5.45 Solaris 2.6, 7, 8 or 9. Symmetrix 8000 Series:5568 support: Solaris 8,9.
- PowerPath is not supported on any RM400C or RM400E model. DRAID is supported on Reliant UNIX 5.43C20 and above.
- V5.45A30 OS and higher supports upto 4096 LUNs. FC switch support starts with Reliant UNIX V5.45A20 and higher.
- Adapter can either be Emulex LP6502 (FW 2.12) or LP8000 (FW 3.82a1). LP6502 not supported with Symmetrix DP3-FCD4, DP3-FCD42G(S) (900-563-xxx) adapter.
- PowerPath support requires version 1.5.0 with patch 1.5.0.1.Patch.b07. PowerPath is supported only on RM600E platforms.
- Minimum Symmetrix microcode level 5264.19.17 No DRAID support until Reliant UNIX 5.43C20. V5.45A30 OS supports up to 4096 LUNs. SYMCLI/API v4.1 does not support DRAID on Reliant UNIX 5.44C OS.
- Fast-Wide SCSI is a default setting.Ultra-Wide can be enabled through software. Refer to the latest Symmetrix Open Systems Environment Product Guide, P/N 200-999-563. PowerPath support requires version 1.5.0 with patch 1.5.0.1.patch.b.07. Powerpath is supported only on RM600E platforms.
- SHC-OSD (Symmetrix Host Component for BS2000/OSD) is the only external software for TimeFinder/SRDF features. Further restrictions apply. Contact C4 Group or reference http://www.fujitsu-siemens.com/rl/products/bs2000/symmetrix_bs2000.html.
- DS2000 contains one Open Systems host SR2000 and one mainframe host BS2000.
- Fast-Wide SCSI is a default setting. Ultra-Wide can be enabled through software. Refer to the latest Symmetrix Open Systems Environment Product Guide, P/N 200-999-563.
- FC switch support starts with Reliant UNIX V5.45A20 and higher.
- PowerPath support requires version 1.5.0 with patch 1.5.0.1.Patch.b07. PowerPath is supported only on RM600E platforms.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Minimum Symmetrix microcode level 5062.61.40 with fba_impl_flag set to A004. No DRAID support.

Fujitsu Siemens SINIX

Fujitsu Siemens – Fujitsu Siemens SINIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	RM600CS42; RM600E30; RM600E40; RM600E45; RM600E70; RM600E80; RM600E85	PCI	Fujitsu Siemens SINIX V5.42 ²	Fujitsu Siemens RM610-CS9	FWD	N	See ¹
2	RM600E20; RM600E60	SPBus	Fujitsu Siemens SINIX V5.42 ²	Fujitsu Siemens RM610-CS9	FWD	N	See ¹

- Minimum Symmetrix microcode level 5062.61.40 with fba_impl_flag set to A004. No DRAID support.
- Symmetrix 8000 Series: 66/67 support: Reliant UNIX 5.44,5.45 Solaris 2.6, 7, 8 or 9. Symmetrix 8000 Series:5568 support: Solaris 8,9.

Fujitsu Siemens Solaris

Fujitsu Siemens – Fujitsu Siemens Solaris							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	SX130 (PRIMEPOWER 800) ¹⁴	Mainframe Bus, PCI	Fujitsu Siemens Solaris 8 02/02 ⁶	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{5,8}	FC-AL, FC-SW	√ ¹⁰	See ^{1,2}
2	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	PCI	Fujitsu Siemens Solaris 2.6 May 98 ^{6,7}	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{3,4,5,8} , LP9002-E (LP9002L-E) GP70F-CF30 ^{5,8,13}	FC-AL, FC-SW	N	See ^{1,2}
3	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	PCI	Fujitsu Siemens Solaris 8 02/02 ⁶	Fujitsu Siemens LP9802-E (GP70F-CF31) ^{17,18}	FC-AL, FC-SW	√ ¹⁰	See ^{1,2}
4	PRIMEPOWER: 1500, 250, 2500, 450, 900; SX130 (PRIMEPOWER 800) ¹⁴	PCI	Fujitsu Siemens Solaris 8 02/02 ⁶	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30 ^{5,8,13} , LP9802-E (GP70F-CF31) ^{17,18}	FC-AL, FC-SW	√ ¹⁰	See ¹
5	PRIMEPOWER: 1500, 250, 2500, 450, 900, GP7000F 1000, GP7000F 2000, GP7000F 400, GP7000F 600, GP7000F 800	PCI	Fujitsu Siemens Solaris 9 08/03 ^{7,15}	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X)	FC-AL, FC-SW	√ ¹⁰	See ^{1,2,16}
6	PRIMEPOWER GP7000F 200	PCI	Fujitsu Siemens Solaris 9 08/03 ^{7,15}	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X), LP9002-E (LP9002L-E) GP70F-CF30 ^{5,8,13} , LP9802-E (GP70F-CF31) ^{17,18}	FC-AL, FC-SW	√ ¹⁰	
7	PRIMEPOWER GP7000F: 1000, 2000, 400, 600, 800	PCI	Fujitsu Siemens Solaris 9 08/03 ^{7,15}	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30 ^{5,8,13} , LP9802-E (GP70F-CF31) ^{17,18}	FC-AL, FC-SW	√ ¹⁰	
8	PRIMEPOWER: 1500, 250, 2500, 450, 900	PCI	Fujitsu Siemens Solaris 9 08/03 ^{7,15}	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30 ^{5,8,13} , LP9802-E (GP70F-CF31) ^{17,18}	FC-AL, FC-SW	√ ¹⁰	See ^{1,2}
9	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	PCI	Fujitsu Siemens Solaris: 7 Nov 99 ^{7,9} , 8 02/02 ⁶	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{3,4,5,8} , LP9002-E (LP9002L-E) GP70F-CF30 ^{5,8,13}	FC-AL, FC-SW	√ ¹⁰	See ^{1,2}

Fujitsu Siemens – Fujitsu Siemens Solaris							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
10	PRIMEPOWER: 650, 850	PCI	Fujitsu Siemens Solaris: 8 02/02 ⁶ , 9 08/03 ^{7, 15}	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{3, 4, 5, 8} LP9002-E (LP9002L-E) GP70F-CF30 ^{5, 8, 13} LP9802-E (GP70F-CF31) ^{17, 18}	FC-AL, FC-SW	Y ¹⁰	See ^{1, 2}
11	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	PCI	Fujitsu Siemens Solaris 8 02/02 ⁶	Fujitsu Siemens GP70F-CS02; Sun X6541A-X ¹¹	UWD	Y	See ^{1, 2, 12}
12	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	PCI	Fujitsu Siemens Solaris: 2.6 May 98 ⁶ , 7, 7 Nov 99 ^{7, 9}	Fujitsu Siemens GP70F-CS02; Sun X6541A-X ¹¹	UWD	N	See ^{1, 2, 12}

- For use in US/Europe only. Refer to Fujitsu Base Connectivity information for Asia Pacific/Japan.
- Also supports Fujitsu Technology Solutions Inc.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Firmware Version 3.91a3.
- FSC requires all patches for Solaris 2.6 be obtained through FSC in the form of a Solaris 2.6 PTF patch CD. The current patch CD is Solaris 2.6 PTF R03111.**
- Symmetrix 8000 Series: 66/67 support: Reliant UNIX 5.44,5.45 Solaris 2.6, 7, 8 or 9. Symmetrix 8000 Series:5668 support: Solaris 8,9.
- Driver Version 5.02b.
- FSC requires all patches for Solaris 7 be obtained through FSC in the form of a Solaris 7 PTF patch CD. The current patch CD is Solaris 7 PTF R03111.**
- Requires Emulex Open Boot Version 1.40a0.
- PowerPath support for this controller is only with Solaris 2.6.
- No dynamic partition support. Disconnecting and reconnecting SCSI cables on an active system may induce the system to crash.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- SHC-OSD (Symmetrix Host Component for BS2000/OSD) is the only external software for TimeFinder/SRDF features. Further restrictions apply. Contact C4 Group or reference http://www.fujitsu-siemens.com/rl/products/bs2000/symmetrix_bs2000.html.
- FSC requires that all patches for Solaris 9 be obtained through FSC in the form of a Solaris 9 PTF patch CD. The current patch CD is Solaris 9 PTF R03111.**
- Refer to Fujitsu Base Connectivity information for Asia Pacific/Japan.
- Firmware Version 1.01a2.
- Driver Version 5.02c.

HPQ HP-UX

HPQ – HPQ HP-UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	HP 9000 T600	HP-PB, HSC	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	HPQ A3636A ³	FC-AL	N	
2	HP 9000 R-Class	HSC	HPQ HP-UX 11.0 ^{1, 2}	HPQ A3591B ^{3, 20}	FC-AL	N	
3	HP 9000 T600	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ A3636A	FC-AL	N	
4	HP 9000: A180, A180C	HSC	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	HPQ A3591B ³	FC-AL	N	See ¹⁸
5	HP 9000 R-Class	HSC	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2} , 11i v1.0 (HP-UX 11.11) ^{1, 2, 4}	HPQ A3591A ³	FC-AL	N	
6	HP 9000 R-Class	HSC	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11i v1.0 (HP-UX 11.11) ^{1, 2, 4}	HPQ A3591B ^{3, 20}	FC-AL	Y	
7	HP 9000: R380, R390	HSC	HPQ HP-UX: 11.0 ² , 11i v1.0 (HP-UX 11.11) ²	HPQ: A3591A, A3591B	FC-AL	Y	
8	HP 9000: rp5405, rp5470 (L3000) ¹⁴	PCI	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ A3740A ³	FC-AL	N	
9	HP 9000: A180, A180C	PCI	HPQ HP-UX 11.0: 9906 ^{1, 2} , 990P ^{1, 2} , ACE ^{1, 2}	HPQ A3740A ³	FC-AL	N	See ¹⁸
10	HP 9000 rp7400	PCI	HPQ HP-UX 11.0: 990P ^{1, 2, 52} , ACE ^{1, 2, 52}	HPQ A3740A ³	FC-AL	Y ³³	
11	HP 9000 N-Class (N4000)	PCI	HPQ HP-UX 11.0: 990P ^{1, 2} , ACE ^{1, 2}	HPQ A3740A ³	FC-AL	Y ^{32, 33}	
12	HP 9000: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP-UX 11.0: 990P ^{1, 2} , ACE ^{1, 2}	HPQ A3740A ³	FC-AL	N	
13	HP 9000: V2200, V2250, V2500 SCA, V2500 ¹⁰ , V2600 SCA, V2600 ¹¹	PCI	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	HPQ A3740A ³	FC-AL	N	
14	HP 9000: rp5430, rp5430 (L1500)	PCI	HPQ HP-UX: 11.0 Sept 2001 ^{1, 2, 81} , 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 2, 81}	HPQ A3740A ³	FC-AL	N	See ^{7, 80}
15	HP 9000: K220, K250, K420, K450	HSC	HPQ HP-UX 11.0 June 2001 ²	HPQ A6685A ^{3, 4, 10, 27, 29, 30, 53, 59}	FC-AL, FC-SW	N	
16	HP 9000 D390	HSC	HPQ HP-UX 11.0 ^{1, 2, 51, 52}	HPQ A6684A ^{3, 4, 27, 29, 30, 51, 53}	FC-AL, FC-SW	N	See ^{51, 54}
17	HP 9000 R390	HSC	HPQ HP-UX 11.0 ^{1, 2, 52}	HPQ A6684A ^{3, 4, 27, 29, 30, 51, 53, 55}	FC-AL, FC-SW	Y ⁵⁵	See ^{51, 54}
18	HP 9000: D270, D280, D370, D380	HSC	HPQ HP-UX 11.0 ^{1, 2, 52}	HPQ A6684A ^{3, 4, 27, 29, 30, 53}	FC-AL, FC-SW	N	See ⁵¹
19	HP 9000 R380	HSC	HPQ HP-UX 11.0 ^{1, 2, 52}	HPQ A6684A ^{3, 4, 27, 29, 30, 53, 55}	FC-AL, FC-SW	N	
20	HP 9000: K260, K360, K460	HSC	HPQ HP-UX 11.0 ^{1, 2, 52}	HPQ A6685A ^{3, 4, 27, 29, 30, 53, 55}	FC-AL, FC-SW	Y ^{55, 56}	
21	HP 9000: K370, K380	HSC	HPQ HP-UX 11.0 ^{1, 2, 52}	HPQ A6685A ^{4, 27, 30, 53, 55}	FC-AL, FC-SW	Y ^{55, 57}	
22	HP 9000: K570, K580	HSC	HPQ HP-UX 11.0 ^{1, 2, 52}	HPQ A6685A ^{4, 27, 30, 53, 55, 58}	FC-AL, FC-SW	Y ^{55, 57}	
23	HP 9000: K220, K250, K420, K450	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) June 2001 ²	HPQ A6685A ^{3, 4, 10, 29, 30, 31, 53, 59}	FC-AL, FC-SW	N	
24	HP 9000: D390, R390	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 2, 4}	HPQ A6684A ^{3, 4, 29, 30, 31, 51, 53}	FC-AL, FC-SW	Y ⁵⁴	See ⁵¹
25	HP 9000: D270, D280, D370, D380	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 2, 4}	HPQ A6684A ^{3, 4, 29, 30, 31, 53}	FC-AL, FC-SW	N	See ⁵¹
26	HP 9000 R380	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 2, 4}	HPQ A6684A ^{3, 4, 29, 30, 31, 53, 54}	FC-AL, FC-SW	N	See ⁵¹

HPQ – HPQ HP-UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
27	HP 9000: K260, K360, K370, K380, K460	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 2, 4}	HPQ A6685A ^{3, 4, 29, 30, 31, 53}	FC-AL, FC-SW	N	
28	HP 9000: K570, K580	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 2, 4}	HPQ A6685A ^{3, 4, 29, 30, 31, 53, 58}	FC-AL, FC-SW	N	
29	HP 9000: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ A5158A ^{3, 22, 27, 28, 29, 30}	FC-AL, FC-SW	√ ^{23, 25, 26, 37, 39}	See ³⁸
30	HP 9000: rp5405, rp5470 (L3000) ¹⁴	PCI	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ A5158A ^{3, 22, 27, 28, 29, 30}	FC-AL, FC-SW	√ ^{23, 25, 26, 37, 39}	
31	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ A5158A ^{3, 27, 28, 29, 30}	FC-AL, FC-SW	Y	
32	HP 9000: rp5405, rp5430 (L1500)	PCI	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ A6795A ^{3, 27, 30, 49, 61, 64}	FC-AL, FC-SW	N	See ^{1, 65}
33	HP 9000 rp2450 (A500/440MHz)	PCI	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ A6795A ^{3, 27, 30, 49, 61, 64, 68}	FC-AL, FC-SW	√ ^{23, 25, 26, 37, 73}	See ⁷²
34	HP 9000 rp5430	PCI	HPQ HP-UX 11.0 ACE ²	HPQ A6795A ^{3, 27, 30, 49, 61, 64}	FC-AL, FC-SW	√ ^{23, 25, 26, 37}	See ^{1, 65}
35	HP 9000 rp5470 (L3000) ¹⁴	PCI	HPQ HP-UX 11.0 ACE ²	HPQ A6795A ^{3, 27, 30, 49, 61, 64}	FC-AL, FC-SW	√ ^{23, 25, 26, 37, 66}	See ^{1, 65}
36	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP-UX 11.0 ACE ²	HPQ A6795A ^{3, 27, 30, 49, 61, 64}	FC-AL, FC-SW	√ ^{23, 25, 26, 37, 73}	See ^{1, 72}
37	HP 9000 rp5430	PCI	HPQ HP-UX 11.0 ACE ^{2, 77}	HPQ A5158A ^{22, 27, 28, 30, 78}	FC-AL, FC-SW	√ ^{23, 25, 26, 37, 39}	See ⁴
38	HP 9000 rp5430 (L1500)	PCI	HPQ HP-UX 11.0 ACE ^{2, 77}	HPQ A5158A ^{22, 27, 28, 30, 78}	FC-AL, FC-SW	√ ^{23, 25, 26, 37}	See ⁴
39	HP 9000 rp7400 ^{13, 79}	PCI	HPQ HP-UX 11.0 ACE ^{2, 77}	HPQ A5158A ^{27, 28, 30, 78}	FC-AL, FC-SW	√ ²²	See ⁷⁰
40	HP 9000: rp2430, rp2470	PCI	HPQ HP-UX 11.0 March 2002 ^{1, 2}	HPQ A5158A ^{22, 27, 28, 29, 30}	FC-AL, FC-SW	√ ^{25, 26, 94}	See ¹
41	HP 9000 rp2430	PCI	HPQ HP-UX 11.0 March 2002 ^{1, 2}	HPQ A6795A ^{27, 30, 49, 61, 64, 95}	FC-AL, FC-SW	√ ^{25, 26, 94}	See ⁹⁴
42	HP 9000 rp2470	PCI	HPQ HP-UX 11.0 March 2002 ^{1, 2}	HPQ A6795A ^{27, 30, 49, 61, 64, 95}	FC-AL, FC-SW	√ ^{25, 26, 94}	See ^{1, 94}
43	HP 9000 rp2405	PCI	HPQ HP-UX 11.0 March 2002 ²	HPQ A5158A ^{27, 28, 30, 78}	FC-AL, FC-SW	N	
44	HP 9000 rp2405	PCI	HPQ HP-UX 11.0 March 2002 ^{2, 56}	HPQ A6795A ^{27, 30, 49, 61, 64, 95}	FC-AL, FC-SW	N	See ⁹⁴
45	HP 9000: rp5430, rp5430 (L1500)	PCI	HPQ HP-UX 11.0 Sept 2001 ^{1, 2, 81}	HPQ A5158A ^{3, 22, 27, 28, 29, 30}	FC-AL, FC-SW	√ ^{14, 23, 25, 26, 37}	See ^{7, 80}
46	HP 9000 rp7400	PCI	HPQ HP-UX 11.0: 990P ^{1, 2, 50, 76, 85, 86, 87} , ACE ^{1, 2, 50, 76, 85, 86, 87} ; HPQ HP-UX 11.0 ^{1, 2, 50, 76, 85, 86, 87}	HPQ A6795A ^{3, 27, 30, 49, 61, 64}	FC-AL, FC-SW	√ ⁸⁴	See ^{1, 83}
47	HP 9000 N-Class (N4000)	PCI	HPQ HP-UX 11.0: 990P ^{1, 2} , ACE ^{1, 2}	HPQ A5158A ^{3, 22, 27, 28, 29, 30}	FC-AL, FC-SW	√ ^{23, 25, 26, 35, 36, 37}	See ³⁴
48	HP 9000: V2500 SCA, V2600 SCA	PCI	HPQ HP-UX 11.0: 990P ^{1, 2} , ACE ^{1, 2}	HPQ A5158A ^{3, 22, 27, 28, 29, 30}	FC-AL, FC-SW	N	See ²¹
49	HP 9000: V2500, V2600	PCI	HPQ HP-UX 11.0: 990P ^{1, 2} , ACE ^{1, 2}	HPQ A5158A ^{3, 22, 27, 28, 29, 30}	FC-AL, FC-SW	√ ^{24, 25, 26}	
50	HP 9000: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP-UX 11.0: 990P ^{1, 2} , ACE ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ A6795A ^{3, 27, 30, 49, 61, 64}	FC-AL, FC-SW	N	See ^{1, 65}
51	HP 9000 N-Class (N4000)	PCI	HPQ HP-UX 11.0: 990P ² , ACE ^{1, 2}	HPQ A6795A ^{3, 27, 30, 49, 61, 64, 68}	FC-AL, FC-SW	√ ^{23, 25, 26, 37, 71}	See ⁷⁰
52	HP 9000 V2250	PCI	HPQ HP-UX 11.0: 990P ² , ACE ²	HPQ A5158A ^{3, 22, 27, 28, 29, 30}	FC-AL, FC-SW	√ ^{24, 25, 26}	See ¹
53	HP 9000 V2200	PCI	HPQ HP-UX 11.0: 990P ² , ACE ²	HPQ A5158A ^{22, 27, 28, 29, 30}	FC-AL, FC-SW	√ ^{22, 23, 24, 25, 26}	See ^{1, 21}
54	HP 9000 N-Class (N4000)	PCI	HPQ HP-UX 11.0 ^{1, 2}	HPQ A5158A ^{3, 22, 27, 28, 29, 30}	FC-AL, FC-SW	N	See ³⁴
55	HP 9000 N-Class (N4000)	PCI	HPQ HP-UX 11.0 ²	HPQ A6795A ^{3, 27, 30, 49, 61, 64, 68}	FC-AL, FC-SW	N	See ⁷⁰
56	HP 9000 SUPERDOME ^{43, 50}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ^{1, 2, 4}	HPQ A5158A ^{3, 28, 30, 31, 41, 49}	FC-AL, FC-SW	√ ⁴⁸	See ^{46, 47}
57	HP 9000 SUPERDOME ^{43, 50}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ^{2, 4}	HPQ A6795A ^{3, 30, 31, 49, 61, 62, 63, 64}	FC-AL, FC-SW	√ ⁶⁰	
58	HP 9000: rp2430, rp2470	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ²	HPQ A5158A ^{22, 28, 30, 31, 78}	FC-AL, FC-SW	N	
59	HP 9000 rp2470	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ²	HPQ A6795A ^{3, 30, 31, 49, 61, 64, 95, 96}	FC-AL, FC-SW	N	See ^{1, 94}
60	HP 9000: rp2405, rp2430	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ²	HPQ A6795A ^{3, 30, 31, 49, 61, 64, 95, 96}	FC-AL, FC-SW	N	See ⁹⁴
61	HP 9000 rp7405	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ²	HPQ: A5158A ^{3, 28, 30, 31, 41, 49, 61, 62, 63, 64, 68} , A6795A ^{3, 30, 31, 49, 61, 62, 63, 64, 68}	FC-AL, FC-SW	√ ⁹⁹	
62	HP 9000 rp7410	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ²	HPQ: A5158A ^{3, 28, 30, 31, 41, 49, 61, 62, 63, 64} , A6795A ^{3, 31, 49, 61, 62, 63, 64}	FC-AL, FC-SW	√ ⁹⁹	
63	HP 9000 rp7400 ^{43, 76}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{2, 13}	HPQ A5158A ^{3, 28, 29, 30, 31, 41}	FC-AL, FC-SW	√ ³³	See ^{70, 75}
64	HP 9000 rp5430 (L1500) ^{13, 44}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{2, 13}	HPQ A5158A ^{3, 28, 30, 31, 41}	FC-AL, FC-SW	√ ^{23, 40}	See ¹³
65	HP 9000 rp5430 (L1500) ^{13, 14, 44}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{2, 13}	HPQ A6795A ^{3, 30, 31, 61, 62, 63, 64, 68}	FC-AL, FC-SW	√ ^{23, 67}	See ¹³

HPQ – HPQ HP-UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
66	HP 9000 rp8400 ¹⁰³	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{2, 4}	HPQ A5158A ^{3, 28, 30, 31, 41, 49}	FC-AL, FC-SW	Y ¹⁰²	See ^{56, 100, 101}
67	HP 9000 rp8400 ¹⁰³	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{2, 4}	HPQ A6795A ^{3, 30, 31, 49, 61, 62, 63, 64}	FC-AL, FC-SW	Y ¹⁰²	See ^{56, 81, 100, 101}
68	HP 9000 rp5430	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{2, 93}	HPQ A5158A ^{3, 22, 28, 29, 30, 31}	FC-AL, FC-SW	Y ^{14, 23, 25, 26, 37, 81}	See ¹
69	HP 9000 N-Class (N4000)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 2, 4}	HPQ A5158A ^{3, 22, 28, 29, 30, 31}	FC-AL, FC-SW	Y ^{23, 25, 26, 35, 36, 37}	See ³⁴
70	HP 9000 rp2450 (A500/550MHz)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 2, 4}	HPQ A5158A ^{3, 22, 28, 29, 30, 31}	FC-AL, FC-SW	N	See ⁴⁵
71	HP 9000 rp5405	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 2, 4}	HPQ A5158A ^{3, 22, 28, 29, 30, 31}	FC-AL, FC-SW	Y ^{14, 23, 25, 26, 37, 39}	
72	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 2, 4}	HPQ A5158A ^{3, 22, 28, 29, 30, 31}	FC-AL, FC-SW	Y ^{17, 23, 25, 26, 37}	See ⁴⁵
73	HP 9000: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 2, 4}	HPQ A5158A ^{3, 22, 28, 29, 30, 31}	FC-AL, FC-SW	Y ^{14, 23, 25, 26, 37, 39}	See ³⁸
74	HP 9000: V2500 SCA, V2500 ¹⁰ , V2600 SCA, V2600 ¹¹	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 2, 4}	HPQ A5158A ^{3, 22, 28, 29, 30, 31}	FC-AL, FC-SW	N	See ²¹
75	HP 9000 N-Class (N4000)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 2, 4, 13}	HPQ A6795A ^{3, 30, 31, 49, 61, 64, 68}	FC-AL, FC-SW	Y ^{14, 23, 25, 26, 37, 71}	See ⁷⁰
76	HP 9000: rp2405, rp2430, rp2470	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ A5158A ^{28, 30, 31, 78}	FC-AL, FC-SW	N	
77	HP 9000: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ A6826A ^{89, 90, 91}	FC-AL, FC-SW	N	See ⁸⁸
78	HP 9000: N-Class (N4000), SUPERDOME ⁵⁰	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ A6826A ^{89, 90, 91, 92}	FC-AL, FC-SW	N	See ⁸⁸
79	HP 9000 SUPERDOME	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ A9782A ^{89, 90, 91, 92}	FC-AL, FC-SW	N	See ⁸⁸
80	HP 9000 rp8400 ¹⁰³	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ: A6826A ^{89, 90, 91, 92} , A9782A ^{89, 90, 91, 92}	FC-AL, FC-SW	Y ¹⁰²	See ^{56, 88, 100, 101}
81	HP 9000: rp7400, rp7405, rp7410	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ: A6826A ^{89, 90, 91, 92} , A9782A ^{89, 90, 91, 92}	FC-AL, FC-SW	N	See ⁸⁸
82	HP 9000: rp2400 (A400/440MHz), rp2405, rp2430, rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp2470, rp5405, rp5430 (L1500), rp5470 (L3000) ¹⁴	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ: A6826A ^{89, 90, 91} , A9782A ^{89, 90, 91, 92}	FC-AL, FC-SW	N	See ⁸⁸
83	HP 9000 rp5470 (L3000) ^{13, 14, 42, 43, 44}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{2, 13}	HPQ A5158A ^{3, 28, 30, 31, 41}	FC-AL, FC-SW	Y ^{23, 40}	See ¹³
84	HP 9000 rp5430 (L1500) ⁴⁴	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{2, 13}	HPQ A5158A ^{28, 30, 31, 41}	FC-AL, FC-SW	Y ^{23, 40}	See ¹³
85	HP 9000: rp5430 (L1500) ^{13, 44} , rp5470 (L3000) ^{13, 14, 42, 43, 44}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{2, 13}	HPQ A6795A ^{3, 30, 31, 61, 62, 63, 64, 68}	FC-AL, FC-SW	Y ^{23, 67}	See ¹³
86	HP 9000 rp7400 ^{43, 76}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{2, 13, 14}	HPQ A6795A ^{3, 30, 31, 61, 62, 63, 64, 68}	FC-AL, FC-SW	Y ^{33, 75}	See ⁷⁰
87	HP 9000: V2200, V2250	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{2, 4}	HPQ A5158A ^{3, 22, 28, 29, 30, 31}	FC-AL, FC-SW	N	See ^{1, 21}
88	HP 9000 rp2400 (A400/440MHz)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{2, 4}	HPQ A6795A ^{3, 30, 31, 49, 61, 64}	FC-AL, FC-SW	Y ^{14, 23, 25, 26, 37, 73}	See ¹
89	HP 9000 rp2450 (A500/550MHz)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{2, 4}	HPQ A6795A ^{3, 30, 31, 49, 61, 64}	FC-AL, FC-SW	Y ^{14, 23, 25, 26, 37, 73}	See ^{1, 72}
90	HP 9000: rp5400 (L1000) ¹⁴ , rp5450 (L2000) ¹⁴	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{2, 4}	HPQ A6795A ^{3, 30, 31, 49, 61, 64}	FC-AL, FC-SW	Y ^{23, 25, 26, 37, 69}	See ^{1, 65}
91	HP 9000 rp2450 (A500/440MHz)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{2, 4}	HPQ A6795A ^{3, 30, 31, 49, 61, 64, 68}	FC-AL, FC-SW	Y ^{14, 23, 25, 26, 37, 73}	See ⁷²
92	HP 9000 rp5405 ¹⁴	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{2, 4, 13}	HPQ A6795A ^{3, 30, 31, 49, 61, 64}	FC-AL, FC-SW	Y ^{23, 25, 26, 37, 66}	See ^{1, 65}
93	HP 9000 rp5430	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{2, 4, 13}	HPQ A6795A ^{3, 30, 31, 49, 61, 64}	FC-AL, FC-SW	Y ^{14, 23, 25, 26, 37}	See ^{1, 65}
94	HP 9000 rp5430	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{2, 93}	HPQ A5158A ^{22, 28, 30, 31}	FC-AL, FC-SW	Y ^{14, 23, 25, 26, 37, 39}	See ^{1, 4}
95	HP 9000: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP-UX: 11.0 990P ^{1, 2} , 11.0 ^{1, 2}	HPQ A5158A ^{3, 22, 27, 28, 29, 30}	FC-AL, FC-SW	N	See ³⁸
96	HP 9000 rp7400	PCI	HPQ HP-UX: 11.0 990P ² , 11.0 ^{2, 81}	HPQ A5158A ^{27, 28, 30}	FC-AL, FC-SW	Y ²²	See ⁷⁰
97	Integrity RX4610 ¹⁰⁹	PCI-X	HPQ HP-UX 11i v1.5 (HP-UX 11.20)	HPQ: A5158A ^{3, 30, 107, 108} , AB232A (LP9802) ^{112, 113}	FC-AL, FC-SW	N	
98	Integrity: RX4640, RX5670 (Itanium2)	PCI-X	HPQ HP-UX 11i v2.0 (HP-UX 11.23) Sept 2003 ^{106, 111}	HPQ: A6795A ^{64, 104} , AB232A (LP9802) ^{112, 113}	FC-AL, FC-SW	Y ¹⁰⁵	See ⁸⁸
99	Integrity Superdome	PCI-X	HPQ HP-UX 11i v2.0 (HP-UX 11.23) Sept 2003 ¹¹¹	HPQ A6795A ^{64, 104}	FC-AL, FC-SW	Y ¹⁰⁵	See ⁸⁸
100	Integrity RX2600 (Itanium2)	PCI-X	HPQ HP-UX 11i v2.0 (HP-UX 11.23) ¹⁰⁶	HPQ: A6795A ^{64, 104} , AB232A (LP9802) ^{112, 113}	FC-AL, FC-SW	Y ¹⁰⁵	See ⁸⁸
101	Integrity rx8620	PCI-X	HPQ HP-UX 11i v2.0 (HP-UX 11.23) ^{106, 111}	HPQ A6795A ^{64, 104}	FC-AL, FC-SW	Y ¹⁰⁵	See ⁸⁸
102	Integrity RX7620	PCI-X	HPQ HP-UX 11i v2.0 (HP-UX: 11.23) Sept 2003 ^{106, 110, 111}	HPQ: A6795A ^{64, 104} , AB232A (LP9802) ^{112, 113}	FC-AL, FC-SW	Y	See ⁸⁸
103	HP 9000 T600	HP-PB, HSC	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ 28696A ³	FWD	Y	
104	HP 9000 T600	HP-PB, HSC	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2} , 11i v1.0 (HP-UX 11.11) ^{1, 2, 4}	HPQ A3644A ³	FWD	N	

HPQ – HPQ HP–UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
105	HP 9000 T600	HP–PB, HSC	HPQ HP–UX: 11.0 ^{1, 2} , 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ 28696A ³	FWD	N	
106	HP 9000 R–Class	HSC	HPQ HP–UX 11.0 ACE ^{1, 2}	HPQ A4107A ³	FWD	Y ⁶	
107	HP 9000 R–Class	HSC	HPQ HP–UX 11.0 ^{1, 2}	HPQ A4107A ³	FWD	Y ⁵	
108	HP 9000 R–Class	HSC	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ A4107A ³	FWD	N	
109	HP 9000: A180, A180C	HSC	HPQ HP–UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2} , 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ A4107A ³	FWD	N	See ¹⁸
110	HP 9000 R380	HSC	HPQ HP–UX: 11.0 ² , 11i v1.0 (HP–UX 11.11) ²	HPQ A4107A	FWD	N	
111	HP 9000: A180, A180C	HSC	HPQ HP–UX: 11.0 ACE ^{1, 2, 52} , 11.0 ^{1, 2, 52} , 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ A5838A ^{3, 8}	U2 LVD	N	
112	HP 9000: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP–UX 11.0 990P ^{1, 2}	HPQ: A5149A ^{3, 8} , A5150A ^{3, 8}	U2 LVD	N	See ^{7, 16}
113	HP 9000: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP–UX 11.0 ACE ^{1, 2}	HPQ: A5149A ^{3, 8} , A5150A ^{3, 8}	U2 LVD	Y	See ^{7, 16}
114	HP 9000: N–Class (N4000), rp5400 (L1000), rp5450 (L2000), rp7400	PCI	HPQ HP–UX 11.0: 990P ^{1, 2, 52} , ACE ^{1, 2, 52} ; HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ A5838A ^{3, 8}	U2 LVD	N	See ¹⁶
115	HP 9000 N–Class (N4000)	PCI	HPQ HP–UX 11.0: 990P ^{1, 2} , ACE ^{1, 2} ; HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ: A5149A ^{3, 8} , A5150A ^{3, 8}	U2 LVD	Y ¹²	See ^{7, 16}
116	HP 9000 rp7400	PCI	HPQ HP–UX 11.0: 990P ^{2, 81} , ACE ^{1, 2, 52}	HPQ: A5149A ^{3, 8} , A5150A ^{3, 8}	U2 LVD	Y	See ⁷⁵
117	HP 9000 SUPERDOME	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Feb 2001 CD ^{2, 4}	HPQ A5149A ^{3, 8}	U2 LVD	Y	See ^{1, 19}
118	HP 9000: rp7405, rp7410	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ²	HPQ: A5149A ^{3, 8} , A5150A ^{3, 8} , A5838A ^{3, 8}	U2 LVD	N	See ⁹⁸
119	HP 9000: V2200, V2250, V2500 ¹⁰ , V2600 ¹¹	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ A5149A ^{3, 8}	U2 LVD	N	
120	HP 9000: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ: A5149A ^{3, 8} , A5150A ^{3, 8}	U2 LVD	Y ¹³	See ^{7, 16}
121	HP 9000 rp7400	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{2, 4, 81}	HPQ: A5149A ^{3, 8} , A5150A ^{3, 8}	U2 LVD	N	See ⁷⁵
122	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP–UX: 11.0 ACE ^{1, 2, 52} , 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ A5838A ^{3, 8}	U2 LVD	N	
123	HP 9000: V2200, V2250, V2500 ¹⁰ , V2600 ¹¹	PCI	HPQ HP–UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	HPQ A5149A ^{3, 8}	U2 LVD	Y	
124	HP 9000: V2500 SCA, V2600 SCA	PCI	HPQ HP–UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2} , 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ A5149A ^{3, 8}	U2 LVD	N	
125	HP 9000 rp2450 (A500/550MHz)	PCI	HPQ HP–UX: 11.0 ACE ^{1, 2} , 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ: A5149A ^{3, 8} , A5150A ^{3, 8}	U2 LVD	N	See ⁷
126	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz)	PCI	HPQ HP–UX: 11.0 ACE ^{1, 2} , 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ: A5149A ^{3, 8} , A5150A ^{3, 8}	U2 LVD	Y ¹⁷	See ⁷
127	HP 9000: rp5405, rp5470 (L3000) ¹⁴	PCI	HPQ HP–UX: 11.0 ACE ^{1, 2} , 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ: A5149A ^{3, 8} , A5150A ^{3, 8}	U2 LVD	Y ¹⁵	See ^{7, 16}
128	HP 9000: rp2405, rp2430, rp2470	PCI	HPQ HP–UX: 11.0 March 2002 ^{1, 2, 52} , 11i v1.0 (HP–UX 11.11) March 2002 ^{1, 2}	HPQ A5838A ^{8, 97}	U2 LVD	N	See ^{7, 94}
129	HP 9000: rp2405, rp2430, rp2470	PCI	HPQ HP–UX: 11.0 March 2002 ² , 11i v1.0 (HP–UX 11.11) March 2002 ²	HPQ: A5149A ⁸ , A5150A ⁸	U2 LVD	N	
130	HP 9000: rp5430, rp5430 (L1500)	PCI	HPQ HP–UX: 11.0 Sept 2001 ^{1, 2, 81} , 11i v1.0 (HP–UX 11.11) Sept 2001 ^{1, 2, 81}	HPQ: A5149A ^{3, 8} , A5150A ^{3, 8}	U2 LVD	Y ¹⁴	See ^{7, 80}
131	HP 9000 rp5405 ¹³	PCI	HPQ HP–UX: 11.0 ^{2, 77} , 11i v1.0 (HP–UX 11.11) ²	HPQ A5838A ⁸	U2 LVD	N	
132	Integrity RX4610 ¹⁰⁹	PCI–X	HPQ HP–UX 11i v1.5 (HP–UX 11.20)	HPQ A5150A ^{3, 8, 107}	U2 LVD	N	
133	HP 9000: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP–UX 11.0 990P ^{1, 2}	HPQ: A5159A ^{3, 9} , A5159B	UWD	N	See ⁷
134	HP 9000: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP–UX 11.0 990P ²	HPQ A4800A ^{3, 9}	UWD	N	See ^{1, 7}
135	HP 9000 rp7400	PCI	HPQ HP–UX 11.0 990P ^{2, 81}	HPQ: A5159A ^{3, 9} , A5159B	UWD	Y	See ^{75, 82}
136	HP 9000: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP–UX 11.0 ACE ^{1, 2}	HPQ: A5159A ^{3, 9} , A5159B	UWD	Y	See ⁷
137	HP 9000 rp7400	PCI	HPQ HP–UX 11.0 ACE ^{1, 2, 52}	HPQ: A5159A ^{3, 9} , A5159B	UWD	Y	
138	HP 9000 rp2450 (A500/440MHz)	PCI	HPQ HP–UX 11.0 ACE ²	HPQ A4800A ^{3, 9}	UWD	N	See ¹
139	HP 9000: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP–UX 11.0 ACE ²	HPQ A4800A ^{3, 9}	UWD	Y	See ^{1, 7}
140	HP 9000 N–Class (N4000)	PCI	HPQ HP–UX 11.0: 990P ^{1, 2} , ACE ^{1, 2} ; HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ A4800A ^{3, 9}	UWD	Y ¹²	See ⁷
141	HP 9000 rp7400	PCI	HPQ HP–UX 11.0: 990P ^{2, 81} , ACE ^{1, 2, 52}	HPQ A4800A ^{3, 9}	UWD	Y	
142	HP 9000 N–Class (N4000)	PCI	HPQ HP–UX 11.0 ^{2, 4, 13}	HPQ: A5159A ^{7, 9} , A5159B	UWD	N	
143	HP 9000 SUPERDOME	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Feb 2001 CD ^{1, 2, 4}	HPQ: A5159A ^{3, 9} , A5159B	UWD	Y	See ¹⁹
144	HP 9000 SUPERDOME	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Feb 2001 CD ^{2, 4}	HPQ A4800A ^{3, 9}	UWD	Y	See ^{1, 19}
145	HP 9000: rp7405, rp7410	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ²	HPQ: A4800A ^{3, 9} , A5159A ^{3, 9}	UWD	N	See ⁹⁸
146	HP 9000 rp2450 (A500/440MHz)	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ A4800A ^{3, 9}	UWD	N	

HPQ – HPQ HP–UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
147	HP 9000 rp5450 (L2000)	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ A4800A ^{3, 9}	UWD	Y ¹³	See ^{1, 7}
148	HP 9000 V2600 ¹¹	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ A4800A ^{3, 9}	UWD	N	See ^{1, 7, 8}
149	HP 9000: V2200, V2250	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ A4800A ^{3, 9}	UWD	N	See ^{7, 8}
150	HP 9000: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ: A5159A ^{3, 9} , A5159B	UWD	Y ¹³	See ⁷
151	HP 9000 N–Class (N4000) ¹³	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{2, 13, 74}	HPQ: A5159A ^{7, 9} , A5159B	UWD	Y ^{4, 12}	
152	HP 9000 rp5400 (L1000)	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{2, 4}	HPQ A4800A ^{3, 9}	UWD	Y ¹³	See ^{1, 7}
153	HP 9000 V2500 ¹⁰	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{2, 4}	HPQ A4800A ^{3, 9}	UWD	N	See ^{1, 7, 8}
154	HP 9000 rp7400	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{2, 4, 81}	HPQ A4800A ^{3, 9}	UWD	N	
155	HP 9000 rp7400	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{2, 4, 81}	HPQ: A5159A ^{3, 9} , A5159B	UWD	N	See ^{75, 82}
156	HP 9000: V2200, V2250	PCI	HPQ HP–UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	HPQ A4800A ^{3, 9}	UWD	Y	See ^{7, 8}
157	HP 9000: V2500 SCA, V2600 SCA	PCI	HPQ HP–UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2} , 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ A4800A ^{3, 9}	UWD	N	See ^{7, 8}
158	HP 9000 rp2450 (A500/550MHz)	PCI	HPQ HP–UX: 11.0 ACE ^{1, 2} , 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ: A5159A ^{3, 9} , A5159B	UWD	N	See ⁷
159	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz)	PCI	HPQ HP–UX: 11.0 ACE ^{1, 2} , 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ: A5159A ^{3, 9} , A5159B	UWD	Y ¹⁷	See ⁷
160	HP 9000: rp5405, rp5470 (L3000) ¹⁴	PCI	HPQ HP–UX: 11.0 ACE ^{1, 2} , 11i v1.0 (HP–UX 11.11) ^{1, 2, 4}	HPQ: A5159A ^{3, 9} , A5159B	UWD	Y ¹⁵	See ⁷
161	HP 9000: V2500 ¹⁰ , V2600 ¹¹	PCI	HPQ HP–UX: 11.0 ACE ² , 11.0 ²	HPQ A4800A ^{3, 9}	UWD	Y	See ^{1, 7, 8}
162	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP–UX: 11.0 ACE ² , 11i v1.0 (HP–UX 11.11) ^{2, 4}	HPQ A4800A ^{3, 9}	UWD	N	See ¹
163	HP 9000: rp5405, rp5470 (L3000) ¹⁴	PCI	HPQ HP–UX: 11.0 ACE ² , 11i v1.0 (HP–UX 11.11) ^{2, 4}	HPQ A4800A ^{3, 9}	UWD	Y ¹⁵	See ^{1, 7}
164	HP 9000: rp2405, rp2430, rp2470	PCI	HPQ HP–UX: 11.0 March 2002 ² , 11i v1.0 (HP–UX 11.11) March 2002 ²	HPQ A4800A ^{3, 9}	UWD	N	See ^{1, 94}
165	HP 9000: rp2405, rp2430, rp2470	PCI	HPQ HP–UX: 11.0 March 2002 ² , 11i v1.0 (HP–UX 11.11) March 2002 ²	HPQ A5159A ^{3, 9}	UWD	N	See ⁹⁴
166	HP 9000 rp5430	PCI	HPQ HP–UX: 11.0 Sept 2001 ^{1, 2, 81} , 11i v1.0 (HP–UX 11.11) Sept 2001 ^{1, 2, 81}	HPQ A5159A ^{3, 9}	UWD	Y ¹⁴	See ^{7, 80}
167	HP 9000 rp5430 (L1500)	PCI	HPQ HP–UX: 11.0 Sept 2001 ^{1, 2, 81} , 11i v1.0 (HP–UX 11.11) Sept 2001 ^{1, 2, 81}	HPQ: A5159A ^{3, 9} , A5159B	UWD	Y ¹⁴	See ^{7, 80}
168	HP 9000: rp5430, rp5430 (L1500)	PCI	HPQ HP–UX: 11.0 Sept 2001 ^{2, 81} , 11i v1.0 (HP–UX 11.11) Sept 2001 ^{2, 81}	HPQ A4800A ^{3, 9}	UWD	Y ¹⁴	See ^{1, 7}
169	Integrity RX4610 ¹⁰⁹	PCI–X	HPQ HP–UX 11i v1.5 (HP–UX 11.20)	HPQ: A5159A ^{3, 9, 107} , A5159B ^{3, 9, 107}	UWD	N	

- Symmetrix 8000 Series & 66/67 support: HP–UX 11.0, 11.0 ACE, 11.i. MPE/iX 6.0, 6.5, 6.5.02, 7.0, 7.0.01
 - For HP–UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange –r N /dev/vg01/lvol1 or lvcreate –r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror–UX, then this flag should not be set.
 - These qualified HBAs for EMC Symmetrix storage in the HP9000 server model and the HP–UX revision installed may co–exist in that same server or the same hard partition. Other supported HBAs not used to attach to the Symmetrix may also co–exist on the same server unless specified by EMC and/or HP.
 - Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher.
 - For releases prior to 11.0, boot device maximum capacity is 4 GB
 - D, R Class only. Releases before 11.0, boot device max. capacity is 4 GB. Boot from Fibre Channel supported in non–HA configurations on D and K class servers running HP–UX 11.0.
 - The cables are the same as the Cxx mini 68S (VHDCI 8mm to SCSI3). Cables require termination at host end for N–Class, L–Class, A–Class and Superdome. Can be terminated either on cable, or on HBA, but not both.
 - Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3–U2SD4L).
 - A4800A and A5159A HBAs are both capable of Ultra 1 speeds, but ship from HP with a default setting of FWD. Symmetrix is supported at Ultra 1 speeds with both these HBAs. Ultra 1 can be enabled in the V–Class, N–Class, and L–Class, A–Class and Superdome PDC firmware. V–Class supports the A4800A Only.
- HP e3000 MPE SYSTEMS – The above note applies but only includes the A–Class and N–Class Servers. The HP e3000 A–Class does not support the dual port HBA A5159A.
- Minimum OS revision is HP–UX 11.0 Rev 9812.
 - Minimum OS revision is HP–UX 11.0 990P.
 - A4800A and A5159A HBAs are both capable of Ultra 1 speeds, but ship from HP with default setting of FWD. Symmetrix is supported at Ultra 1 speeds with both HBAs. Ultra 1 can be enabled in the N–Class PDC firmware.
 - rp5405, rp5430, rp5470, rp7400: (PA–8700 processors): Initial support with HP–UX 11.0 Sept 2001, 11i Sept 2001. Symmetrix microcode supported: 5266.40.28 or higher. 5566.41.28 or higher. 5267.27.19 or higher. 5567.34.19 or higher.
 - PA–8700 processors: Initial support with HP–UX 11.0 Sept 2001, HP–UX 11i Sept 2001.
 - VPARS supported in boot environment with HBA supported defined in Base Connectivity table.
 - Requires minimum PDC firmware 39.46 (39.26 acceptable) or higher.
 - PDC firmware: Arbitrated loop and fabric, use 40.32 or higher.
 - Requires minimum microcode release 5265.39.24.
 - Requires minimum PDC firmware 32.2 and PDHC 7.3 or higher
 - Qualified and supported by HP.
 - Requires PDC firmware TSSW5.3.
 - HP–UX 11.0 switched fabric support is enabled with: fabric device driver version B.11.00.03 and higher; minimum operating system level HP/UX 11.0 990P with March 2000 HW–CR bundle and dependency patch PHKL_21381 patches may be superceded or have co–dependencies as defined by HP. Symmetrix microcode versions: 5265.49.31, 5266.20, 5566.22 or latest Symmetrix microcode versions.
 - HP A5158A FC–SW is enabled in the March 2000 HWCRCR bundle XSWHWCR1100.48. Additional patches may be required for support.
 - PDC firmware: V2200, 2250: Arbitrated loop and fabric, use TSSW 5.3 or higher. V2500, 2600: Arbitrated loop, use TSSW 3.1 or higher. Fabric, use TSSW 3.2 or higher.
 - The Brocade (Brocade, EMC, or HP models) switch port the HBA involved in a FC–SW topology boot process or FC–SW topology dump process is attached to, is required to be locked as G port when the boot or dump volume resides on the Symmetrix. This can be accomplished by executing the "portCfgGport port_number,1" command from a telnet session on the Brocade switch. The boot device can not be located more than two hops from the initiator involved in the boot process.
 - For direct attached FC–AL boot or dump from a Symmetrix FA port configured for 2 Gbit speed, the Symmetrix auto–negotiation director flag must also be enabled on the FA port. FC–SW 2–Gbit boot and/or dump using A6795A requires Auto–Negotiation flag to be enabled on the switch port the HBA is attached to.
 - Driver Version 11.00.10.
 - HP A5158A FC–SW software requirement: FC–AL and FC–SW requires the HP A5158A Tachlite PCI Fibre Channel Adapter. The A5158A FC–SW software fabric driver version "AP0301", for HP–UX 11i is now available for download from HP's software depot site, <http://www.software.hp.com> under "drivers". It is referred to as the "hp pci tachyon tl fibre channel

- adapter", and requires the installation of dependent patch PHKL_22874 prior to installing the fabric driver, patches may be superceded or have co-dependencies as defined by HP.
29. FC-AL and FC-SW topologies can co-exist on the same server but not on the same HBA, provided that the different topologies are attached to different HBAs
30. Minimum driver version for SNIA HBA API support with HP-UX 11.0 is B.11.00.10. Minimum driver version for SNIA HBA API support with HP-UX 11.11 is B.11.11.09.
31. Driver Version 11.11.09.
32. Boot from Fibre Channel is supported in non-HA configurations on N class servers running HP-UX 11.0 with direct attachment.
33. N-Class: Arbitrated loop boot with PDC rev 40.04 or higher. Fabric boot with PDC rev 40.25 or higher.
34. Requires PDC firmware N-Class 40.25, rp7400 (PA-8700) requires PDC firmware 41.36.
35. Fibre boot from N-Class and L-Class in both non-HA and HA configurations is now supported in multi-initiator configurations.
36. Initial support for fabric is enabled with: fabric device driver version B.11.00.03; minimum operating system level HP/UX 11.0 990P with March 2000 HW-CR bundle and dependency patch PHKL_21381; Symmetrix microcode versions 5265.49.31, 5266.20, 5566.22. Please refer to the Base Connectivity section for the latest driver and OS support.
37. Brocade 12000 and EMC ED-12000B Minimum firmware revision 4.0.2a to support boot.
38. Requires PDC firmware N-Class 40.25, L-Class 40.26.
39. PDC firmware: Arbitrated Loop (direct attach): use 40.19 or higher; Fabric: use 40.26 or higher
40. rp5430/5470 requires minimum PDC firmware 41.36 or higher.
41. HP-UX 11.00 minimum driver revision B.11.00.06.
HP-UX 11i minimum driver revision B.11.11.06.
42. Virtual Partitions (VPAR) is supported on the L-class/rp5470 server.
VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later.
Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 41.02 or later.
43. Minimum driver revision for HP-UX 11i v1.0 (HP-UX 11.11) is PCI/HSC Fibre Channel Driver B.11.11.09. In a (Vpar) environment.
44. PA-8700 processors: Supports both 11.00 and HP-UX 11i processor 8700+ only supports HP-UX 11i.
45. Requires PDC firmware 40.32 or higher.
46. Only PowerPath 3.0.1 is supported for DMX series systems
47. FC-AL supported for direct attach only. No support for hubs or Quckloop at this time
48. Requires minimum PDC firmware 35.4 and PDHC 7.3 or higher
49. Initial Symmetrix microcode support: 5x67 minimum of 5567.38 or 5267.31 .
Initial Symmetrix microcode support: 5568 minimum of 5568.34.14
50. Virtual Partitions (VPAR) is supported on the SuperDome server with 4.x and 5.x Symmetrix models and DMX series. VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.02.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 36.1 or later.
51. Dx90, Rx90 servers support a maximum of 2 A6684A HBAs. The first must be installed in the turbo slot 10/12 and the second in any HSC slot.
52. For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC Symmetrix devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set. No additional patches are required for this option in HP-UX 11.0, HP-UX 11.11 and forward, however in HP-UX 10.x the "N" flag option was introduced with the following patches are required to be installed or patches which supercede or replace these in order to configured the logical volumes residing on Symmetrix devices in this manner: For all HP/UX 10.xx versions install the following Bad Block Reallocation Patch Pair: 10.01: PHKL_11294, PHKL_11890, PHCO_11288 (patches may be superseded or have co-dependencies as defined by HP). 10.10: PHKL_11816, PHCO_11817 (patches may be superseded or have co-dependencies as defined by HP). 10.20: PHKL_11086, PHKL_11903, PHCO_10964 (patches may be superseded or have co-dependencies as defined by HP).
53. Required dependent FCMS patches are required (patches may be superceded or have co-dependencies as defined by HP): HP-UX 11.0, PHKL_21834 HP-UX 11i: PHKL_23626. NOTE: These patches must be installed before installing the driver, available at <http://us-support2.external.hp.com>, HSC Tachlite driver available at <http://www.software.hp.com>, under "drivers" and locate Fibre Channel HSC Tachlite adapter (A6684A or A6685A). For HP-UX 11i, the driver is under "hp tachyon tl fibre channel adapter" which enables support for A6684A/A6685A/A5158A.
54. Dx90, Rx90 require minimum PDC firmware 41.35 or higher.
55. HP-UX 11.0 minimum driver revision B.11.00.06. HP-UX 11i minimum driver revision B.11.11.06.
56. Symm 6 is qualified with: HP-UX 11.00 Support Plus Sept '02 bundle = QPK1100 Sept '02 & HWE1100 Sept '02
57. Requires minimum PDC firmware 41.34 or higher
58. The A6685A is not supported in slots 10/0 and 10/8 of the K570 and K580. In the K570 and K580, there are restrictions for the number of A6685A HBA cards supported when graphics cards are installed.
59. A device may not be shared on both NIO(HP-PB) and HSC buses from the same server(e.g., A2969A with 28696A on K-class, or A3644A with 28696A on T600).
60. Requires minimum PDC firmware 35.4 and PDHC 7.8 or higher
61. Auto-sensing capability on the HBA is permanently enabled. There is no option to disable auto-sensing on the HBA.
62. Minimum driver revision for HP-UX 11i v1.0 (HP-UX 11.11) is PCI/HSC Fibre Channel Driver B.11.11.09.
63. The A6795A HBA is capable of supporting both 1 and 2 Gb speeds.
64. As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.
- L1000 (product number A5576A)
L2000 (product number A5191A)
N4000 Revision A (product number A3639A)
N4000 Revision B (product number A3639B)
65. L-Class requires minimum PDC firmware 40.26 or higher.
66. PDC firmware 42.06 or higher; Arbitrated Loop (direct attach) or FC-SW
67. rp5430/5470 required minimum PDC firmware 41.46 or higher.
68. The A6795A HBA is capable of supporting both 1 and 2 Gb speeds. QuickLoop is not supported with Brocade 3200/3800/12000 or EMC DS-16B2, ED-12000B.
69. PDC firmware 41.39 or higher; Arbitrated Loop (direct attach) or FC-SW
70. Requires minimum PDC firmware for N-class 40.25 or higher. The rp7400 (PA-8700) requires minimum PDC firmware 41.36 or higher.
71. PDC firmware 41.46 or higher; Arbitrated Loop (direct attach) or FC-SW
72. A500/550 requires minimum PDC 40.32 or higher.
73. PDC firmware 42.09 or higher; Arbitrated Loop (direct attach) or FC-SW
74. Symmetrix microcode version:
5266.33.23 or higher,
5566.35.23 or higher,
5267.22.15 or higher,
5567.29.15 or higher.
75. rp7400 requires minimum PDC firmware 41.36 or higher.
76. Virtual Partitions (VPAR) is supported on the N-class/rp7400 server with 4.x and 5.x Symmetrix models and DMX series. VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 42.06 or later.
77. Requires HP-UX 11.0 General Release patch bundle XSWGR1100 B.11.00.47.05 released November 1999 or equivalent.
78. FC-AL, FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
79. Virtual Partitions (VPAR) is supported on the N-class/rp7400 server.
VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later.
Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 42.06 or later. Powerpath support on Virtual Partitions has to be RPQed at this time.
80. A4800A and A5159A HBAs are both capable of Ultra 1 speeds, but ship from HP with a default setting of FWD. Symmetrix is supported at Ultra 1 speeds with both these HBAs. Ultra 1 can be enabled in the V-Class, N-Class, and L-Class, A-Class and Superdome PDC firmware. V-Class supports the A4800A Only.
81. Symmetrix microcode supported: 5266.40.28 or higher, 5566.41.28 or higher, 5267.27.19 or higher, 5567.34.19 or higher.
82. rp8400 requires minimum PDC firmware 13.10 or higher.
83. Requires minimum PDC firmware for N-class 40.25 or higher. The rp7400 (PA-8700) requires minimum PDC firmware 41.46 or higher.
84. HP-UX driver requirements: HP-UX 11.0 : A6795A HP PCI Tachyon TL/XL2 Fibre Channel driver B.11.00.10 or later release which supports this HBA. HP-UX 11i : A6684A/A6685A/A5158A/A6795A HP Tachyon TL/XL2 Fibre Channel driver B.11.11.09 or later release which supports this HBA.
85. Virtual Partitions (VPAR) is supported on the rp8400 server with the Clarion CX600 and FC4700.
FC-AL only support, Requires PDC 16.009 or later. Fabric boot with PDC 16.12 or later
- VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later.
Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later.
86. Virtual Partitions (VPAR) is supported on the rp8400 server with the Clarion CX600 and FC4700.
FC-AL only support, Requires PDC 16.009 or later. Fabric boot with PDC 16.12 or later
- VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later.
Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later
87. Virtual Partitions (VPAR) is supported on the rp7405/7410 server with 4.x and 5.x Symmetrix models and DMX Series. VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.02.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 4.0 or later.
88. Requires Minimum Symmetrix microcode 5568.57.22
89. Required Patch PHKL_28569, PHKL_26938 and 2port 2Gig driver version 11.11.01.
90. Driver Version 11.11.01.
91. Firmware Version 3.02.162.
92. Host must be configured as a 64Bit operating system.

93. Symmetrix microcode supported:5566.41.28 or higher, 5567.34.19 or higher.
 94. Requires minimum PDC firmware 42.03 or higher.
 95. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
 96. HP-UX required patches: HP-UX 11.0 ACE: PHKL_23939, HP-UX 11i : PHKL_23626
 97. The driver is available at <http://www.adaptec.com/worldwide/support/suppbyproduct.html?cat=/Technology/SCSI+Host+Adapters&fromPage=driverindex>
 98. Requires minimum PDC firmware 15.005
 99. rp7410 requires minimum PDC firmware 16.009 or higher.
 100. **FCAL on Symm 6 supported by direct attach only**
 101. **Symm6: 512 lun limit per FA port**
 102. PDC firmware 15.05 or higher; Arbitrated Loop (direct attach) or FC-SW
 103. **Virtual Partitions (VPAR) is supported on the rp8400 server with 4.x and 5.x Symmetrix models and DMX Series. VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, system firmware 4.0 or later, PDC firmware 16.009 or later.**
 104. Driver Version 11.23.01.
 105. The A6795A EFI driver must be upgraded to version 1.09 to support boot.
 106. HP-UX 11i v2.0 (HP-UX 11.23) is a IA-64 release and only runs on the HP Integrity rx family server.
 107. Firmware Version 104.
 108. Driver Version 11.20.04.
 109. Non-HA, single initiator only. Symmetrix microcode supported: 5266.41.29s or higher. 5566.42.29s or higher. 5267.29.20a or higher. 5567.36.20a or higher.
 110. HP-UX 11i v2.0 (HP-UX 11.23) is a IA-64 release and only runs on the HP Integrity rx family server.
 111. Minimum microcode revision level 5670.23.25.
 5568 and 5669 are on a RPQ basis at this time.
 112. Driver Version 1.01a9. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
 113. Firmware Version 1.01a2.

NEC

NEC - HPQ HP-UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	NX7000: 220, 260, 420, 460, K370, K380, K570, K580; TX7: K370, K380	HSC	HPQ HP-UX 11.0 ¹	HPQ A3404A	FC-AL	N	
2	NX7000 T600	HSC	HPQ HP-UX 11.0 ¹	HPQ A3636A	FC-AL	N	
3	NX7000: 22, 23, 27, 32, 33, 37, D280, D380, D390; TX7: D280, D390	HSC	HPQ HP-UX 11.0 ¹	HPQ: A3591A, A3591B ²	FC-AL	N	
4	NX7000 rp5430; TX7 rp5430	PCI	HPQ HP-UX 11.0 ACE ¹	HPQ A3740A	FC-AL	N	See ³⁴
5	NX7000 rp5470 (L3000); TX7 rp5470 (L3000)	PCI	HPQ HP-UX 11.0 ACE ¹	HPQ A3740A	FC-AL	N	
6	NX7000: V2250, V2500 ³ ; TX7: V2250, V2500	PCI	HPQ HP-UX 11.0 ¹	HPQ A3740A	FC-AL	N	
7	NX7000: V2600 ^{11, 17} , rp5400 (L1000), rp5450 (L2000); TX7: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP-UX: 11.0 ACE ¹ , 11.0 ¹	HPQ A3740A	FC-AL	N	
8	NX7000 rp5430; TX7 rp5430	PCI	HPQ HP-UX 11.0 ACE ¹	HPQ A5158A ^{18, 21, 31, 32}	FC-AL, FC-SW	N	See ³⁴
9	NX7000 rp2450 (A550)	PCI	HPQ HP-UX 11.0 ACE ¹	HPQ A6795A ^{9, 21, 25, 26, 27, 28}	FC-AL, FC-SW	N	See ²³
10	NX7000 rp5430; TX7 rp5430	PCI	HPQ HP-UX 11.0 ACE ¹	HPQ A6795A ^{9, 21, 25, 26, 27, 28, 35}	FC-AL, FC-SW	N	
11	NX7000: rp2400 (A400), rp2450 (A500)	PCI	HPQ HP-UX 11.0 ACE ¹	HPQ: A5158A ^{9, 18, 19, 20, 21} , A6795A ^{9, 21, 25, 26, 27, 28}	FC-AL, FC-SW	N	See ²³
12	NX7000 rp5470 (L3000); TX7 rp5470 (L3000)	PCI	HPQ HP-UX 11.0 ACE ¹	HPQ: A5158A ^{9, 18, 19, 20, 21} , A6795A ^{9, 21, 25, 26, 27, 28, 35}	FC-AL, FC-SW	N	
13	NX7000 rp7410	PCI	HPQ HP-UX 11.0 March 2002 ¹	HPQ: A5158A ^{18, 21, 31, 32} , A6795A ^{9, 21, 25, 26, 27, 28}	FC-AL, FC-SW	N	See ³³
14	NX7000: rp2430, rp2470	PCI	HPQ HP-UX 11.0 March 2002 ¹	HPQ: A5158A ^{18, 21, 31, 32} , A6795A ^{9, 21, 25, 26, 27, 28}	FC-AL, FC-SW	N	See ³⁰
15	NX7000 rp7400	PCI	HPQ HP-UX 11.0 Sept 2001 ^{1, 7}	HPQ A5158A ^{9, 21}	FC-AL, FC-SW	N	See ¹⁵
16	NX7000 rp8400	PCI	HPQ HP-UX 11.0 Sept 2001 ^{1, 7}	HPQ A6795A ^{9, 21, 25, 26, 27, 28, 35}	FC-AL, FC-SW	N	
17	TX7 rp7400	PCI	HPQ HP-UX 11.0 Sept 2001 ^{1, 7, 16}	HPQ A5158A ^{9, 21}	FC-AL, FC-SW	N	See ¹⁵
18	NX7000 V2600 ^{11, 17}	PCI	HPQ HP-UX 11.0: 990P ¹ , ACE ¹	HPQ A5158A ^{9, 18, 19, 20, 21}	FC-AL, FC-SW	N	
19	NX7000: rp5400 (L1000), rp5450 (L2000); TX7: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP-UX 11.0: 990P ¹ , ACE ¹ ; HPQ HP-UX 11.0 ¹	HPQ A5158A ^{9, 18, 19, 20, 21}	FC-AL, FC-SW	N	See ²²
20	NX7000: rp5400 (L1000), rp5450 (L2000); TX7: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP-UX 11.0: 990P ¹ , ACE ¹ ; HPQ HP-UX 11.0 ¹	HPQ A6795A ^{9, 21, 25, 26, 27, 28}	FC-AL, FC-SW	N	See ²⁹
21	NX7000 rp5430	PCI	HPQ HP-UX 11.0 ¹	HPQ: A5158A ²¹ , A6795A ^{21, 28}	FC-AL, FC-SW	N	
22	NX7000 Superdome; TX7 Superdome	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ^{1, 12}	HPQ A5158A ^{8, 9, 18}	FC-AL, FC-SW	N	See ²⁴
23	NX7000 rp7410	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	HPQ: A5158A ^{8, 18, 31, 32} , A6795A ^{8, 9, 25, 26, 27, 28}	FC-AL, FC-SW	N	See ³³
24	NX7000: rp2430, rp2470	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	HPQ: A5158A ^{8, 18, 31, 32} , A6795A ^{8, 9, 25, 26, 27, 28}	FC-AL, FC-SW	N	See ³⁰
25	NX7000 rp7400	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 7}	HPQ A5158A ^{8, 9}	FC-AL, FC-SW	N	See ¹⁵
26	NX7000 rp8400	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 7}	HPQ A5158A ^{8, 9}	FC-AL, FC-SW	N	See ⁶
27	NX7000 rp8400	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 7}	HPQ A6795A ^{8, 9, 25, 26, 27, 28, 35}	FC-AL, FC-SW	N	
28	TX7 rp7400	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 7, 16}	HPQ A5158A ^{8, 9}	FC-AL, FC-SW	N	See ¹⁵

NEC – HPQ HP-UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
29	NX7000 Superdome; TX7 Superdome	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ: A5158A ⁸ , A6795A ^{8, 28}	FC-AL, FC-SW	N	
30	NX7000 rp5430; TX7 rp5430	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 12}	HPQ A5158A ^{8, 18, 31, 32}	FC-AL, FC-SW	N	See ³⁴
31	NX7000: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 12}	HPQ A5158A ^{8, 9, 18, 19, 20}	FC-AL, FC-SW	N	See ²²
32	NX7000: V2600 ^{11, 17} , rp5470 (L3000)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 12}	HPQ A5158A ^{8, 9, 18, 19, 20}	FC-AL, FC-SW	N	
33	NX7000 rp2450 (A550)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 12}	HPQ A6795A ^{8, 9, 25, 26, 27, 28}	FC-AL, FC-SW	N	See ²³
34	NX7000: rp5400 (L1000), rp5450 (L2000); TX7: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 12}	HPQ A6795A ^{8, 9, 25, 26, 27, 28}	FC-AL, FC-SW	N	See ²⁹
35	NX7000: rp2400 (A400), rp2450 (A500)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 12}	HPQ: A5158A ^{8, 9, 18, 19, 20} , A6795A ^{8, 9, 25, 26, 27, 28}	FC-AL, FC-SW	N	See ²³
36	TX7: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 12, 16}	HPQ A5158A ^{8, 9, 18, 19, 20}	FC-AL, FC-SW	N	See ²²
37	NX7000: rp5430, rp5470 (L3000); TX7 rp5430	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 12, 16}	HPQ A6795A ^{8, 9, 25, 26, 27, 28, 35}	FC-AL, FC-SW	N	
38	TX7 rp5470 (L3000)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 12, 16}	HPQ: A5158A ^{8, 9, 18, 19, 20} , A6795A ^{8, 9, 25, 26, 27, 28, 35}	FC-AL, FC-SW	N	
39	NX7000 T600	HSC	HPQ HP-UX 11.0 ¹	HPQ A3644A	FWD	N	
40	NX7000: 22, 23, 27, 32, 33, 37, D280, D380, D390; TX7: D280, D390	HSC	HPQ HP-UX 11.0 ¹	HPQ A4107A	FWD	N	
41	NX7000 Superdome; TX7 Superdome	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ^{1, 12}	HPQ A5149A ¹³	U2 LVD	N	
42	NX7000 rp7410	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	HPQ: A5149A ¹³ , A5150A ¹³ , A5838A ¹³	U2 LVD	N	
43	NX7000 rp8400	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 7}	HPQ A5149A ¹³	U2 LVD	N	See ⁶
44	NX7000 V2600 ¹¹	PCI	HPQ HP-UX: 11.0 ACE ¹ , 11.0 ¹ , 11i v1.0 (HP-UX 11.11) ^{1, 12}	HPQ A5149A ¹³	U2 LVD	N	See ¹⁰
45	NX7000: rp2400 (A400), rp2450 (A500)	PCI	HPQ HP-UX: 11.0 ACE ¹ , 11i v1.0 (HP-UX 11.11) ^{1, 12}	HPQ A5838A ¹³	U2 LVD	N	
46	NX7000: rp2400 (A400), rp2450 (A500)	PCI	HPQ HP-UX: 11.0 ACE ¹ , 11i v1.0 (HP-UX 11.11) ^{1, 12}	HPQ: A5149A ¹³ , A5150A ¹³	U2 LVD	N	See ¹⁴
47	NX7000: rp2430, rp2470	PCI	HPQ HP-UX: 11.0 March 2002 ¹ , 11i v1.0 (HP-UX 11.11) March 2002 ¹	HPQ A5149A ¹³	U2 LVD	N	
48	TX7 rp7400	PCI	HPQ HP-UX: 11.0 Sept 2001 ^{1, 7, 16} , 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 7, 16}	HPQ: A5149A ¹³ , A5150A ¹³ , A5838A ¹³	U2 LVD	N	See ¹⁵
49	NX7000 rp7400	PCI	HPQ HP-UX: 11.0 Sept 2001 ^{1, 7} , 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 7}	HPQ: A5149A ¹³ , A5150A ¹³ , A5838A ¹³	U2 LVD	N	See ¹⁵
50	NX7000: rp5400 (L1000), rp5450 (L2000); TX7: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP-UX 11.0: 990P ¹ , ACE ¹ ; HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 12}	HPQ A4800A ⁵	UWD	N	See ¹⁴
51	NX7000: rp5400 (L1000), rp5450 (L2000); TX7: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP-UX 11.0: 990P ¹ , ACE ¹ ; HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 12}	HPQ: A5159A ⁵ , A5159B	UWD	N	
52	NX7000: V2250, V2500 ³ , TX7: V2250, V2500	PCI	HPQ HP-UX 11.0 ¹	HPQ A4800A ⁵	UWD	N	See ⁴
53	NX7000 Superdome; TX7 Superdome	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ^{1, 12}	HPQ: A4800A ⁵ , A5159A ⁵ , A5159B	UWD	N	
54	NX7000 rp7410	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	HPQ: A4800A ⁵ , A5159A ⁵ , A5159B	UWD	N	
55	NX7000 rp8400	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 7}	HPQ: A4800A ⁵ , A5159A ⁵ , A5159B	UWD	N	See ⁶
56	NX7000 V2600 ¹¹	PCI	HPQ HP-UX: 11.0 ACE ¹ , 11.0 ¹ , 11i v1.0 (HP-UX 11.11) ^{1, 12}	HPQ A4800A ⁵	UWD	N	See ¹⁰
57	NX7000: rp2400 (A400), rp2450 (A500), rp5470 (L3000); TX7 rp5470 (L3000)	PCI	HPQ HP-UX: 11.0 ACE ¹ , 11i v1.0 (HP-UX 11.11) ^{1, 12}	HPQ: A4800A ⁵ , A5159A ⁵ , A5159B	UWD	N	See ¹⁴
58	NX7000: rp2430, rp2470	PCI	HPQ HP-UX: 11.0 March 2002 ¹ , 11i v1.0 (HP-UX 11.11) March 2002 ¹	HPQ: A4800A ⁵ , A5159A ⁵ , A5159B	UWD	N	
59	TX7 rp7400	PCI	HPQ HP-UX: 11.0 Sept 2001 ^{1, 7, 16} , 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 7, 16}	HPQ: A4800A ⁵ , A5159A ⁵ , A5159B	UWD	N	See ¹⁵
60	NX7000 rp7400	PCI	HPQ HP-UX: 11.0 Sept 2001 ^{1, 7} , 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 7}	HPQ: A4800A ⁵ , A5159A ⁵ , A5159B	UWD	N	See ¹⁵

1. For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.

2. Qualified and supported by HP.

3. Minimum OS revision is HP-UX 11.0 Rev 9812.

4. Adapter is Ultra-capable, but disabled by HP; HP 'Commercial Server' will negotiate bus as FWD; HP 'Technical Server' will negotiate bus as UWD.

5. A4800A and A5159A HBAs are both capable of Ultra 1 speeds, but ship from HP with a default setting of FWD. Symmetrix is supported at Ultra 1 speeds with both these HBAs. Ultra 1 can be enabled in the V-Class, N-Class, and L-Class, A-Class and Superdome PDC firmware. V-Class supports the A4800A Only.

HP e3000 MPE SYSTEMS – The above note applies but only includes the A-Class and N-Class Servers. The HP e3000 A-Class does not support the dual port HBA A5159A.

6. rp8400 requires minimum PDC firmware 13.10 or higher.

7. Symmetrix microcode supported: 5266.40.28 or higher, 5566.41.28 or higher, 5267.27.19 or higher, 5567.34.19 or higher.

8. Driver Version 11.11.09.

9. Minimum driver version for SNIA HBA API support with HP-UX 11.0 is B.11.00.10. Minimum driver version for SNIA HBA API support with HP-UX 11.11 is B.11.11.09.

10. A4800A and A5159A HBAs are both capable of Ultra 1 speeds, but ship from HP with a default setting of FWD. Symmetrix is supported at Ultra 1 speeds with both these HBAs. Ultra 1 can be enabled in the V-Class, N-Class, and L-Class, A-Class and Superdome PDC firmware. V-Class supports the A4800A Only.

11. Minimum OS revision is HP-UX 11.0 990P.

12. Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher.

13. Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3-U2SD4L).

14. The cables are the same as the Cxx mini 68S ('VHDCI' 8mm to SCSI3). Cables require termination at host end for N-Class, L-Class, A-Class and Superdome. Can be terminated either on cable, or on HBA, but not both.

15. rp7400 requires minimum PDC firmware 41.36 or higher.
16. rp5405, rp5430, rp5470, rp7400: (PA-8700 processors): Initial support with HP-UX 11.0 Sept 2001, 11i Sept 2001. Symmetrix microcode supported: 5266.40.28 or higher. 5566.41.28 or higher. 5267.27.19 or higher. 5567.34.19 or higher.
17. Arbitrated loop boot with PDC rev TSSW 3.1 or higher. Fabric boot with PDC rev TSSW 3.2 or higher.
18. HP A5158A FC-SW software requirement: FC-AL and FC-SW requires the HP A5158A Tachlite PCI Fibre Channel Adapter. The A5158A FC-SW software fabric driver version "AP0301", for HP-UX 11i is now available for download from HP's software depot site, <http://www.software.hp.com> under "drivers". It is referred to as the "hp pci tachyon tl fibre channel adapter", and requires the installation of dependent patch PHKL_22874 prior to installing the fabric driver, patches may be superceded or have co-dependencies as defined by HP.
19. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
20. HP-UX 11.0 switched fabric support is enabled with: fabric device driver version B.11.00.03 and higher; minimum operating system level HP/UX 11.0 990P with March 2000 HW-CR bundle and dependency patch PHKL_21381 patches may be superceded or have co-dependencies as defined by HP. Symmetrix microcode versions: 5265.49.31, 5266.20, 5566.22 or latest Symmetrix microcode versions.
21. Driver Version 11.00.10.
22. Requires PDC firmware N-Class 40.25,L-Class 40.26.
23. Requires PDC firmware 40.32 or higher.
24. Requires PDC firmware 7.3, 10.0 or higher.
25. The A6795A HBA is capable of supporting both 1 and 2 Gb speeds. QuickLoop is not supported with Brocade 3200/3800/12000 or EMC DS-16B2, ED-12000B.
26. Initial Symmetrix microcode support: 5x67 minimum of 5567.38 or 5267.31 .
27. Initial Symmetrix microcode support: 5568 minimum of 5568.34.14 .
27. HP-UX required patches: HP-UX 11.0 ACE: PHKL_23939, HP-UX 11i : PHKL_23626
28. As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)
 L2000 (product number A5191A)
 N4000 Revision A (product number A3639A)
 N4000 Revision B (product number A3639B)

29. Requires PDC firmware 40.26 or higher.
30. Requires minimum PDC firmware 42.03 or higher.
31. FC-AL and FC-SW topologies can co-exist on the same server but not on the same HBA, provided that the different topologies are attached to different HBAs
32. HP-UX 11.0 switched fabric support is enabled with: fabric device driver version B.11.00.03 and higher; minimum operating system level HP/UX 11.0 990P with March 2000 HW-CR bundle. Refer to Base Connectivity table for additional information.
33. Requires minimum PDC firmware 15.005 or higher.
34. Requires minimum PDC firmware 40.26 or higher.
35. Auto-sensing capability on the HBA is permanently enabled. There is no option to disable auto-sensing on the HBA.

HPQ MPE/ix HPQ

HPQ – HPQ MPE/ix							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	e3000 900 Series ⁵	HP-PB	HPQ MPE/ix 7.5 ⁹ , 10	HPQ 28696A	FWD	Y ²	See ¹
2	e3000 900 Series ⁵	HP-PB	HPQ MPE/ix: 6.0 ³ , 6.5.02 ^{3,6} , 6.5 ³ , 7.0.01 ⁶	HPQ 28696A ⁴	FWD	Y ²	See ¹
3	e3000 N-Class (N4000)	PCI	HPQ MPE/ix 7.0.01 ⁶	HPQ: A5149A ⁸ , A5150A ⁸	U2 LVD	Y ^{1,2}	See ¹
4	e3000 N-Class (N4000)	PCI	HPQ MPE/ix 7.5 ⁹ , 10	HPQ: A5149A ⁸ , A5150A ⁸	U2 LVD	Y ^{1,2,11}	
5	e3000 A-Class	PCI	HPQ MPE/ix: 7.0.01 ⁶ , 7.5 ⁹ , 10	HPQ A5149A ⁸	U2 LVD	Y ²	See ¹
6	e3000 N-Class (N4000)	PCI	HPQ MPE/ix 7.0.01 ⁶	HPQ: A4800A ⁷ , A5159A ⁷ , A5159B	UWD	Y ^{1,2}	See ¹
7	e3000 N-Class (N4000)	PCI	HPQ MPE/ix 7.5 ⁹ , 10	HPQ: A4800A ⁷ , A5159A ⁷ , A5159B	UWD	Y ^{1,2,11}	
8	e3000 A-Class	PCI	HPQ MPE/ix: 7.0.01 ⁶ , 7.5 ⁹ , 10	HPQ A4800A ⁷	UWD	Y ²	See ¹

1. HAF0 is supported with 6.5.02+ and 7.0.01+, and 7.5 on 9xx Series, A-Class and N-Class.
 2. RAID-1 ONLY Requires MPE_XL_SYSTEM_VOLUME_SET on a dedicated channel. Boot device maximum capacity is 4 GB.
 3. Symmetrix 8000 Series & 66/67 support: HP-UX 11.0, 11.0 ACE, 11.i. MPE/ix 6.0, 6.5, 6.5.02, 7.0, 7.0.01: Symmetrix 8000 Series 5568 support: HP-UX 11.0, 11i. MPE/ix 6.0, 6.5, 6.5.02, 7.0, 7.0.01
 4. HP 3000 Series 9x9 Core I/O card (A2372-60004 or A3453-60010 a.k.a Mustang) is supported for Symmetrix only if the 'dedicated SCSI bus' requirement above is met by disconnecting the internal devices attached to the Core I/O card (firmware patch FWSJXB6A required for this support.)
 5. The HP end-of-support for MPE/ix 5.0, 5.5 was 10/31/99 and 12/31/2000 respectively.
 6. MPE/ix 6.0, 6.5, 6.5.02 or 7.0, 7.0.01 require Symmetrix microcode: 5266.40.28 or higher, 5267.25.17 or higher, 5567.32.16 or higher, 5568.34.14 or higher.
 7. A4800A and A5159A HBAs are both capable of Ultra 1 speeds, but ship from HP with a default setting of FWD. Symmetrix is supported at Ultra 1 speeds with both these HBAs. Ultra 1 can be enabled in the V-Class, N-Class, and L-Class, A-Class and Superdome PDC firmware. V-Class supports the A4800A Only.
- HP e3000 MPE SYSTEMS – The above note applies but only includes the A-Class and N-Class Servers. The HP e3000 A-Class does not support the dual port HBA A5159A.
8. Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3-U2SD4L).
 9. Requires Symmetrix microcode:
5266.40.28 or higher
5566.40.27 or higher
5267.25.17 or higher
5567.32.16 or higher
5568.34.14 or higher
 10. LDEV1, the boot volume, has no size limit in MPE/ix 7.5. The 4GB limit that existed in previous releases has been eliminated.
 11. LDEV1, the boot volume, has no size limit in MPE iX. The 4GB limit that existed in previous releases has been eliminated.

HPQ Open VMS HPQ

HPQ – HPQ Open VMS							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	AlphaServer: GS140, GS60	PCI	HPQ Open VMS V7.2-1H1 ^{4,5}	HPQ KGPSA-BC (380574-001) ^{20,21,22}	FC-SW	Y ²	See ¹⁰
2	AlphaServer: 1200, 4000, 4100	PCI	HPQ Open VMS V7.2-1H1 ^{4,5}	HPQ: KGPSA-BC (380574-001) ^{20,21,22} , KGPSA-CA (168794-B21) ¹³	FC-SW	Y ²	See ¹⁰
3	AlphaServer DS25 ⁶	PCI	HPQ Open VMS V7.3-1 ¹⁷	HPQ: FCA2354 (LP9002) ¹³ , FCA2384 (LP9802) ^{23,24} , KGPSA-CA (168794-B21) ¹³ , KGPSA-DA (261329-B21) ¹³ , KGPSA-EA ^{23,24}	FC-SW	Y ²	See ¹⁰
4	AlphaServer: GS140 ⁶ , GS60 ⁶	PCI	HPQ Open VMS: V7.2-1 ⁴ , V7.2-2 ¹¹ , 12, V7.3-1 ¹⁷ , V7.3 ^{15,16}	HPQ KGPSA-BC (380574-001) ¹⁴	FC-SW	Y ²	See ¹⁰
5	AlphaServer: 1200 ⁶ , 4000 ⁶ , 4100 ⁶	PCI	HPQ Open VMS: V7.2-1 ⁴ , V7.2-2 ¹¹ , 12, V7.3-1 ¹⁷ , V7.3 ^{15,16}	HPQ: KGPSA-BC (380574-001) ¹⁴ , KGPSA-CA (168794-B21) ¹³	FC-SW	Y ²	See ¹⁰
6	AlphaServer: GS140 ⁶ , GS60 ⁶	PCI	HPQ Open VMS: V7.2-1H1 ^{4,5} , V7.2-1 ⁴ , V7.2-2 ^{11,12} , V7.3-1 ¹⁷ , V7.3 ^{15,16}	HPQ KGPSA-CA (168794-B21) ¹³	FC-SW	Y ²	See ¹⁰
7	AlphaServer: 8200 ⁶ , 8400 ⁶ , DS10L, DS10 ⁶ , DS20E, DS20 ⁶ , ES40 ⁶	PCI	HPQ Open VMS: V7.2-1H1 ^{4,5} , V7.2-1 ⁴ , V7.2-2 ^{11,12} , V7.3-1 ¹⁷ , V7.3 ^{15,16}	HPQ: KGPSA-BC (380574-001) ¹⁴ , KGPSA-CA (168794-B21) ¹³	FC-SW	Y ²	See ¹⁰
8	AlphaServer: GS160 ⁶ , GS320 ⁶ , GS80 ⁶	PCI	HPQ Open VMS: V7.2-1H1 ^{4,5} , V7.2-2 ^{11,12} , V7.3-1 ¹⁷ , V7.3 ^{15,16}	HPQ KGPSA-CA (168794-B21) ¹³	FC-SW	Y ²	See ¹⁰

HPQ – HPQ Open VMS							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
9	AlphaServer GS80 ⁶	PCI	HPQ Open VMS: V7.2– ^{211, 12} , V7.3– ^{117, 17, 315, 16}	HPQ: FCA2354 (LP9002) ¹³ , FCA2384 (LP9802) ^{23, 24} , KGPSA–DA (261329–B21) ¹³ , KGPSA–EA ^{23, 24}	FC–SW	Y	See ¹⁰
10	AlphaServer: ES40 ⁶ , GS160 ⁶ , GS320 ⁶	PCI	HPQ Open VMS: V7.2– ^{211, 12} , V7.3– ^{117, 17, 315, 16}	HPQ: FCA2354 (LP9002) ¹³ , FCA2384 (LP9802) ^{23, 24} , KGPSA–DA (261329–B21) ¹³ , KGPSA–EA ²⁴	FC–SW	Y ²	See ¹⁰
11	AlphaServer: 8200 ⁶ , 8400 ⁶ , DS10L, DS10 ⁶ , DS20E, DS20 ⁶ , GS140 ⁶ , GS60 ⁶	PCI	HPQ Open VMS: V7.2– ^{211, 12} , V7.3– ^{117, 17, 315, 16}	HPQ: FCA2354 (LP9002) ¹³ , KGPSA–DA (261329–B21) ¹³	FC–SW	Y ²	See ¹⁰
12	AlphaServer ES45 ⁶	PCI	HPQ Open VMS: V7.3– ^{117, 17, 315, 16}	HPQ: FCA2354 (LP9002) ¹³ , FCA2384 (LP9802) ^{23, 24} , KGPSA–CA (168794–B21) ¹³ , KGPSA–DA (261329–B21) ¹³ , KGPSA–EA ^{23, 24}	FC–SW	Y ²	See ¹⁰
13	AlphaServer GS1280	PCI–X	HPQ Open VMS V7.3– ¹¹⁷	HPQ: FCA2354 (LP9002), FCA2384 (LP9802) ^{23, 24} , KGPSA–DA (261329–B21) ¹³ , KGPSA–EA ^{23, 24}	FC–SW	Y ²	See ¹⁰
14	AlphaServer ES80	PCI–X	HPQ Open VMS V7.3– ¹¹⁷	HPQ: FCA2354 (LP9002) ^{18, 19} , FCA2384 (LP9802) ^{23, 24} , KGPSA–DA (261329–B21), KGPSA–EA ^{23, 24}	FC–SW	Y ²	See ¹⁰
15	AlphaServer ES47	PCI, PCI–X	HPQ Open VMS V7.3– ¹¹⁷	HPQ: FCA2354 (LP9002) ^{18, 19} , FCA2384 (LP9802) ^{23, 24} , KGPSA–DA (261329–B21), KGPSA–EA ^{23, 24}	FC–SW	Y ²	See ¹⁰
16	AlphaServer: 1200 ⁶ , 4000 ⁶ , 4100 ⁶ , GS140 ⁶	PCI	HPQ Open VMS: V7.1– ²⁸ , V7.2– ^{1H14, 5, 17, 2–14} , V7.2– ¹⁴	HPQ KZPSA–BB ^{3, 7}	FWD	Y ²	See ¹
17	AlphaServer: 8200 ⁶ , 8400 ⁶ , GS60 ⁶	PCI	HPQ Open VMS: V7.1– ²⁸ , V7.2– ^{1H14, 5, 17, 2–14} , V7.2– ^{211, 12} , V7.3– ^{117, 17, 315, 16}	HPQ KZPSA–BB ^{3, 7}	FWD	Y ²	See ¹
18	AlphaServer GS140 ⁶	PCI	HPQ Open VMS: V7.2– ^{211, 12} , V7.3– ^{117, 17, 315, 16}	HPQ KZPSA–BB ³	FWD	N	See ¹
19	AlphaServer: 1200 ⁶ , 4000 ⁶ , 4100 ⁶	PCI	HPQ Open VMS: V7.2– ^{211, 12} , V7.3– ^{117, 17, 315, 16}	HPQ KZPSA–BB ^{3, 7}	FWD	Y ²	See ¹⁰
20	AlphaServer: 1200 ⁶ , 4000 ⁶ , 4100 ⁶	PCI	HPQ Open VMS: V7.1– ²⁸ , V7.2– ^{1H14, 5, 17, 2–14} , V7.2– ¹⁴	HPQ: 4A–KZPBA–CY, KZPBA–CB ⁹ , KZPBA–CY	UWD	Y ²	See ¹
21	AlphaServer: 8200 ⁶ , 8400 ⁶ , DS10 ⁶ , DS20 ⁶ , ES40 ⁶ , GS140 ⁶ , GS60 ⁶	PCI	HPQ Open VMS: V7.1– ²⁸ , V7.2– ^{1H14, 5, 17, 2–14} , V7.2– ^{211, 12} , V7.3– ^{117, 17, 315, 16}	HPQ: 4A–KZPBA–CY, KZPBA–CB ⁹ , KZPBA–CY	UWD	Y ²	See ¹
22	AlphaServer: DS10L, DS20E	PCI	HPQ Open VMS: V7.1– ²⁸ , V7.2– ^{1H14, 5, 17, 2–14} , V7.2– ^{211, 12} , V7.3– ^{117, 17, 315, 16}	HPQ: KZPBA–CB ⁹ , KZPBA–CY	UWD	Y ²	See ¹
23	AlphaServer: GS160 ⁶ , GS320 ⁶ , GS80 ⁶	PCI	HPQ Open VMS: V7.2– ^{211, 12} , V7.3– ^{117, 17, 315, 16}	HPQ: 4A–KZPBA–CY, KZPBA–CB ⁹ , KZPBA–CY	UWD	Y ²	See ¹
24	AlphaServer: 1200 ⁶ , 4000 ⁶ , 4100 ⁶	PCI	HPQ Open VMS: V7.2– ^{211, 12} , V7.3– ^{117, 17, 315, 16}	HPQ: 4A–KZPBA–CY, KZPBA–CB, KZPBA–CY	UWD	Y ²	See ¹⁰
25	AlphaServer ES45 ⁶	PCI	HPQ Open VMS: V7.3– ^{117, 17, 315, 16}	HPQ: 4A–KZPBA–CY, KZPBA–CB ⁹ , KZPBA–CY	UWD	Y ²	See ¹

1. Apply latest revision of SCSI patches.
2. Refer to Base Connectivity, Clustered Host HPQ sections for connectivity details.
3. KZPSA–BB [FWD] has been discontinued by HPQ (Compaq).
4. OpenVMS 7.2–1, 7.2–1H1 FC–SW requires console firmware 5.6 or later and patch VMS721_fibre_SCSI–V0400. Available from <http://ftp1.support.compaq.com/public/>
5. Latest SCSI patch qualified: VMS721H1_FIBRE_SCSI–V0500
6. Latest qualified Alpha Systems firmware is V6.5.
7. Firmware Version A12.
8. Open VMS 7.1–2 requires console firmware 5.6 or later and patch VMS712_SCSI–V0300.
9. Firmware Version 5.57.
10. Requires Fibre Channel switch. Refer to Fibre Channel Connectivity – HPQ sections for connectivity details.
11. Open VMS 7.2–2 FC–SW requires console firmware 5.6 or later and patch VMS722_fibre_SCSI–V0100.
12. Latest SCSI patch qualified: VMS722_FIBRE_SCSI–V0400
13. Firmware Version 3.91A1.
14. Firmware Version 3.20x7.
15. Open VMS 7.3 FC–SW requires console firmware 5.6 or later and patch VMS73_update–V0100 or patch VMS73_fibre_SCSI–V0200.
16. Latest SCSI patch qualified: VMS73_FIBRE_SCSI–V0500
17. Latest SCSI patch qualified: VMS731_FIBRE_SCSI–V0300
18. KGPSA–CA/KGPSA–DA(FCA2354): Latest firmware revision 3.82A1
19. KGPSA–CA/KGPSA–DA(FCA2354): Minimum firmware revision 3.81A4
20. KGPSA–BC: Minimum firmware revision 3.03A1.
21. KGPSA–BC: Latest firmware revision 3.20X7.
22. The KGPSA–BC login to switch may fail if the Brocade switch port speed is set to auto–negotiate. Set the port speed to 1 Gb.
23. FCA2384(KGPSA–EA): Latest firmware revision 1.00X6
24. Firmware Version 1.00X6.

HPQ OpenVMS V7.3–2 HPQ

HPQ – HPQ OpenVMS V7.3–2							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	AlphaServer: 1200 ³ , 4000 ³ , 4100 ³ , GS80 ³	PCI	HPQ OpenVMS V7.3–2	HPQ KGPSA–CA (168794–B21) ⁴	FC–SW	Y ²	See ¹
2	AlphaServer: DS25 ³ , ES45 ³	PCI	HPQ OpenVMS V7.3–2	HPQ: FCA2354 (LP9002) ⁴ , FCA2384 (LP9802) ^{9, 10} , KGPSA–CA (168794–B21) ⁴ , KGPSA–DA (261329–B21) ⁴ , KGPSA–EA ^{9, 10}	FC–SW	Y ²	See ¹
3	AlphaServer: ES40 ³ , GS160 ³ , GS320 ³	PCI	HPQ OpenVMS V7.3–2	HPQ: FCA2354 (LP9002) ⁴ , FCA2384 (LP9802) ^{9, 10} , KGPSA–CA (168794–B21) ⁴ , KGPSA–DA (261329–B21) ⁴ , KGPSA–EA ¹⁰	FC–SW	Y ²	See ¹
4	AlphaServer GS80 ³	PCI	HPQ OpenVMS V7.3–2	HPQ: FCA2354 (LP9002) ⁴ , FCA2384 (LP9802) ^{9, 10} , KGPSA–DA (261329–B21) ⁴ , KGPSA–EA ^{9, 10}	FC–SW	Y	See ¹
5	AlphaServer: 8200 ³ , 8400 ³ , DS10L, DS10 ³ , DS20E, DS20 ³ , GS140 ³ , GS60 ³	PCI	HPQ OpenVMS V7.3–2	HPQ: FCA2354 (LP9002) ⁴ , KGPSA–CA (168794–B21) ⁴ , KGPSA–DA (261329–B21) ⁴	FC–SW	Y ²	See ¹
6	AlphaServer GS1280	PCI–X	HPQ OpenVMS V7.3–2	HPQ: FCA2354 (LP9002), FCA2384 (LP9802) ^{9, 10} , KGPSA–DA (261329–B21) ⁴ , KGPSA–EA ^{9, 10}	FC–SW	Y ²	See ¹
7	AlphaServer ES80	PCI–X	HPQ OpenVMS V7.3–2	HPQ: FCA2354 (LP9002) ^{11, 12} , FCA2384 (LP9802) ^{9, 10} , KGPSA–DA (261329–B21), KGPSA–EA ^{9, 10}	FC–SW	Y ²	See ¹

HPQ – HPQ OpenVMS V7.3–2							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
8	AlphaServer ES47	PCI, PCI-X	HPQ OpenVMS V7.3–2	HPQ: FCA2354 (LP9002) ^{11, 12} , FCA2384 (LP9802) ^{9, 10} , KGPSA-DA (261329–B21), KGPSA-EA ^{9, 10}	FC-SW	Y ²	See ¹
9	AlphaServer: 1200 ³ , 4000 ³ , 4100 ³	PCI	HPQ OpenVMS V7.3–2	HPQ KZPSA-BB ^{7, 8}	FWD	Y ²	See ¹
10	AlphaServer: 8200 ³ , 8400 ³ , GS60 ³	PCI	HPQ OpenVMS V7.3–2	HPQ KZPSA-BB ^{7, 8}	FWD	Y ²	See ⁵
11	AlphaServer GS140 ³	PCI	HPQ OpenVMS V7.3–2	HPQ KZPSA-BB ⁸	FWD	N	See ⁵
12	AlphaServer: 1200 ³ , 4000 ³ , 4100 ³	PCI	HPQ OpenVMS V7.3–2	HPQ: 4A-KZPBA-CY, KZPBA-CB, KZPBA-CY	UWD	Y ²	See ¹
13	AlphaServer: 8200 ³ , 8400 ³ , DS10 ³ , DS20 ³ , ES40 ³ , ES45 ³ , GS140 ³ , GS160 ³ , GS320 ³ , GS60 ³ , GS80 ³	PCI	HPQ OpenVMS V7.3–2	HPQ: 4A-KZPBA-CY, KZPBA-CB ⁶ , KZPBA-CY	UWD	Y ²	See ⁵
14	AlphaServer: DS10L, DS20E	PCI	HPQ OpenVMS V7.3–2	HPQ: KZPBA-CB ⁶ , KZPBA-CY	UWD	Y ²	See ⁵

1. Requires Fibre Channel switch. Refer to Fibre Channel Connectivity – HPQ sections for connectivity details.
2. Refer to Base Connectivity, Clustered Host HPQ sections for connectivity details.
3. Latest qualified Alpha Systems firmware is V6.5.
4. Firmware Version 3.91A1.
5. Apply latest revision of SCSI patches.
6. Firmware Version 5.57.
7. Firmware Version A12.
8. KZPSA-BB [FWD] has been discontinued by HPQ (Compaq).
9. FCA2384(KGPSA-EA): Latest firmware revision 1.00X6
10. Firmware Version 1.00X6.
11. KGPSA-CA/KGPSA-DA(FCA2354): Latest firmware revision 3.82A1
12. KGPSA-CA/KGPSA-DA(FCA2354): Minimum firmware revision 3.81A4

HPQ Tru64 UNIX HPQ

HPQ – HPQ Tru64 UNIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	AlphaServer: GS160 ⁴ , GS320 ⁴ , GS80 ⁴	PCI	HPQ Tru64 UNIX V4.0G ^{3, 6}	HPQ KGPSA-CA (168794–B21) ¹⁰	FC-SW	N	See ⁹
2	AlphaServer: DS10, DS10L, DS20, DS20E, ES40, GS160 ⁴ , GS320 ⁴	PCI	HPQ Tru64 UNIX V5.1 ^{13, 14}	HPQ: FCA2354 (LP9002) ¹⁰ , KGPSA-DA (261329–B21) ¹⁰	FC-SW	N	See ⁹
3	AlphaServer: SC20 ¹⁶ , SC40 ¹⁶ , SC45 ¹⁶	PCI	HPQ Tru64 UNIX V5.1A ^{12, 14, 17}	HPQ KGPSA-CA (168794–B21) ¹⁰	FC-SW	Y ¹	See ⁹
4	AlphaServer: 1200 ⁴ , 4000 ⁴ , 4100 ⁴ , 8200 ⁴ , 8400 ⁴ , DS10L, DS10 ⁴ , DS20E, DS20 ⁴ , ES40 ⁴ , GS140 ⁴ , GS60 ⁴	PCI	HPQ Tru64 UNIX: V4.0F ^{2, 3} , V4.0G ^{3, 6}	HPQ: KGPSA-BC (380574–001) ¹¹ , KGPSA-CA (168794–B21) ¹⁰	FC-SW	N	See ⁹
5	AlphaServer: 1200 ⁴ , 4000 ⁴ , 4100 ⁴ , 8200 ⁴ , 8400 ⁴ , DS10L, DS10 ⁴ , DS20E, DS20 ⁴ , ES40 ⁴ , GS140 ⁴ , GS60 ⁴	PCI	HPQ Tru64 UNIX: V5.0A ¹⁴ , V5.1A ^{12, 14} , V5.1B–1 ¹⁴ , V5.1B ^{14, 18} , V5.1 ¹³ , 14	HPQ KGPSA-BC (380574–001) ¹¹	FC-SW	Y ^{1, 15}	See ⁹
6	AlphaServer: 1200 ⁴ , 4000 ⁴ , 4100 ⁴ , 8200 ⁴ , 8400 ⁴ , DS10L, DS10 ⁴ , DS20E, DS20 ⁴ , ES40 ⁴ , GS140 ⁴ , GS60 ⁴	PCI	HPQ Tru64 UNIX: V5.0A ¹⁴ , V5.1A ^{12, 14} , V5.1B–1 ¹⁴ , V5.1B ^{14, 18} , V5.1 ¹³ , 14	HPQ KGPSA-CA (168794–B21) ¹⁰	FC-SW	Y ¹	See ⁹
7	AlphaServer: DS10, DS20E, DS25, ES40, ES45 ⁴ , GS160 ⁴ , GS320 ⁴ , GS80 ⁴	PCI	HPQ Tru64 UNIX: V5.1A ^{12, 14} , V5.1B–1 ¹⁴ , V5.1B ^{14, 18}	HPQ FCA2384 (LP9802) ²⁰	FC-SW	Y	See ⁹
8	AlphaServer DS20L	PCI	HPQ Tru64 UNIX: V5.1A ^{12, 14} , V5.1B–1 ¹⁴ , V5.1B ^{14, 18}	HPQ KGPSA-CA (168794–B21) ¹⁰	FC-SW	Y ¹	See ⁹
9	AlphaServer: DS25, ES45 ⁴	PCI	HPQ Tru64 UNIX: V5.1A ^{12, 14} , V5.1B–1 ¹⁴ , V5.1B ^{14, 18}	HPQ: FCA2354 (LP9002) ¹⁰ , KGPSA-CA (168794–B21) ¹⁰ , KGPSA-DA (261329–B21) ¹⁰	FC-SW	Y ¹	See ⁹
10	AlphaServer: DS10, DS10L, DS20, DS20E, ES40, GS160 ⁴ , GS320 ⁴	PCI	HPQ Tru64 UNIX: V5.1A ^{12, 14} , V5.1B–1 ¹⁴ , V5.1B ^{14, 18}	HPQ: FCA2354 (LP9002) ¹⁰ , KGPSA-DA (261329–B21) ¹⁰	FC-SW	Y ¹	See ⁹
11	AlphaServer: GS160 ⁴ , GS320 ⁴ , GS80 ⁴	PCI	HPQ Tru64 UNIX: V5.1A ^{12, 14} , V5.1B–1 ¹⁴ , V5.1B ^{14, 18} , V5.1 ^{13, 14}	HPQ KGPSA-CA (168794–B21) ¹⁰	FC-SW	Y ¹	See ⁹
12	AlphaServer GS80 ⁴	PCI	HPQ Tru64 UNIX: V5.1A ^{12, 14} , V5.1B–1 ¹⁴ , V5.1B ^{14, 18} , V5.1 ^{13, 14}	HPQ: FCA2354 (LP9002) ¹⁰ , KGPSA-DA (261329–B21) ¹⁰	FC-SW	Y	See ⁹
13	AlphaServer: ES47, ES80, GS1280	PCI	HPQ Tru64 UNIX: V5.1B–1 ¹⁴ , V5.1B ^{14, 18, 19}	HPQ FCA2384 (LP9802) ²⁰	FC-SW	Y	See ⁹
14	AlphaServer: ES47, ES80, GS1280	PCI	HPQ Tru64 UNIX: V5.1B–1 ¹⁴ , V5.1B ^{14, 18, 19}	HPQ: FCA2354 (LP9002) ¹⁰ , KGPSA-DA (261329–B21) ¹⁰	FC-SW	Y ¹	See ⁹
15	AlphaServer: 1200 ⁴ , 4000 ⁴ , 4100 ⁴ , 8200 ⁴ , 8400 ⁴ , GS140 ⁴ , GS60 ⁴	PCI	HPQ Tru64 UNIX: V4.0F ^{2, 3} , V4.0G ^{3, 6} , V5.1A ¹² , V5.1 ¹³	HPQ KZPSA-BB ^{7, 8}	FWD	N	
16	AlphaServer: 1200 ⁴ , 4000 ⁴ , 4100 ⁴ , 8200 ⁴ , 8400 ⁴ , DS10L, DS10 ⁴ , DS20E, DS20 ⁴ , ES40 ⁴ , GS140 ⁴ , GS60 ⁴	PCI	HPQ Tru64 UNIX: V4.0F ^{2, 3} , V4.0G ^{3, 6} , V5.0A, V5.1A ¹² , V5.1B ¹⁸ , V5.1 ¹³	HPQ: 4A-KZPBA-CY, KZPBA-CB ⁵ , KZPBA-CY	UWD	Y ¹	
17	AlphaServer: GS160 ⁴ , GS320 ⁴ , GS80 ⁴	PCI	HPQ Tru64 UNIX: V4.0G ^{3, 6} , V5.1A ¹² , V5.1B ¹⁸ , V5.1 ¹³	HPQ: 4A-KZPBA-CY, KZPBA-CB ⁵ , KZPBA-CY	UWD	Y ¹	
18	AlphaServer: DS20L, ES45 ⁴	PCI	HPQ Tru64 UNIX: V5.1A ¹² , V5.1B ¹⁸	HPQ: 4A-KZPBA-CY, KZPBA-CB ⁵ , KZPBA-CY	UWD	Y ¹	

1. Minimum AlphaServer SRM console firmware V6.0 required for boot device support.
2. Tru64 V4.0F BL13 Patch Kit 2 may introduce problems with KZPBA adapters. Tru64 V4.0F latest qualified Patch Kit 8 (DUV40FB22AS0008–20030730).
3. V4.0F, V4.0G: 8 LUNs/Symmetrix Fibre director port (LUNs 000–007 valid).
4. Latest qualified Alpha Systems firmware is V6.5.
5. Firmware Version 5.57.
6. Tru64 V4.0G latest qualified Patch Kit 4 (T64V40GB22AS0004–20030731).
7. KZPSA-BB [FWD] has been discontinued by HPQ (Compaq).
8. Firmware Version A12.
9. Requires Fibre Channel switch. Refer to Fibre Channel Connectivity – HPQ sections for connectivity details.
10. Firmware Version 3.91A1.
11. Firmware Version 3.20X7.

12. Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).
13. Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).
14. V5.x: 255 LUNs/Symmetrix Fibre director port (LUNs 000-0FE valid) on Symmetrix 8000 Series, requires OVMS director bit setting (minimum 5265.48.30 or 5566.26.19), LUN 000 must be mapped to gatekeeper device, the LUN 000 array controller device will not be usable by the Tru64 host.
15. The KGPISA-BC login to switch may fail if the Brocade switch port speed is set to auto-negotiate. Set the port speed to 1 Gb.
16. Requires RPK
17. AlphaServer SC systems have special Tru64 UNIX operating system and AlphaServer SC System Software requirements.
18. Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).
19. AlphaServer GS1280,ES80,ES47: Minimum Tru64 V5.1B with Patch Kit 1 (T64V51BB1AS0001-20021229)
20. Firmware Version 1.00X6.

Hitachi VOS3/FS-JSS3

Hitachi

Hitachi – Hitachi VOS3/FS-JSS3						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	AP8000 Series; M600 Series; M800 Series; MP5000 Series; MP6000 Series	Mainframe Bus	Hitachi VOS3/FS-JSS3 01-01	Hitachi BMC-Parallel ¹	BMC-Parallel	N
2	AP8000 Series; M600 Series; M800 Series; MP5000 Series; MP6000 Series	Mainframe Bus	Hitachi VOS3/FS-JSS3 01-01	Hitachi Hitachi ACONARC	ESCON	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

Hitachi VOS3/LS-JSS3

Hitachi

Hitachi – Hitachi VOS3/LS-JSS3						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	AP8000 Series	Mainframe Bus	Hitachi VOS3/LS-JSS3 01-00	Hitachi BMC-Parallel ¹	BMC-Parallel	N
2	AP8000 Series	Mainframe Bus	Hitachi VOS3/LS-JSS3 01-00	Hitachi Hitachi ACONARC	ESCON	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

IBM AIX

Bull

Bull – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Escala: E230, T430	PCI	IBM AIX 4.3.0 ²	Bull: DCCG141-0000 ^{3, 4} , DCCG147-0000 ^{3, 4} , DCCG148-0000 ^{3, 4}	FC-AL, FC-SW	N	See ¹
2	Escala: PL220T, PL400T	PCI	IBM AIX 4.3.3	Bull: DCCG147-0000 ⁴ , DCCG148-0000 ⁴	FC-AL, FC-SW	N	
3	Escala: EPC2400, EPC2450, EPC450, EPC610, EPC810, PL600R, PL600T	PCI	IBM AIX 4.3.3 ²	Bull: DCCG147-0000 ^{3, 4} , DCCG148-0000 ^{3, 4}	FC-AL, FC-SW	N	See ¹
4	Escala EPC1200A	PCI	IBM AIX 5.1	Bull: DCCG141-0000 ⁴ , DCCG147-0000 ⁴ , DCCG148-0000 ⁴	FC-AL, FC-SW	N	
5	Escala: E250, EPC1200, EPC400, RL470, T450, T610	PCI	IBM AIX: 4.3.0 ² , 4.3.1 ² , 4.3.2 ² , 4.3.3 ²	Bull: DCCG141-0000 ^{3, 4} , DCCG147-0000 ^{3, 4} , DCCG148-0000 ^{3, 4}	FC-AL, FC-SW	N	See ¹
6	Escala: E230, EPC430, T430	PCI	IBM AIX: 4.3.1 ² , 4.3.2 ² , 4.3.3 ²	Bull: DCCG141-0000 ^{3, 4} , DCCG147-0000 ^{3, 4} , DCCG148-0000 ^{3, 4}	FC-AL, FC-SW	N	See ⁷
7	Escala: EPC1200A, EPC440	PCI	IBM AIX: 4.3.2 ² , 4.3.3 ²	Bull: DCCG141-0000 ^{3, 4} , DCCG147-0000 ^{3, 4} , DCCG148-0000 ^{3, 4}	FC-AL, FC-SW	N	See ¹
8	Escala PL220R	PCI	IBM AIX: 4.3.3, 5.1 ⁹ , 5.2	Bull DCCG148-0000 ⁴	FC-AL, FC-SW	N	
9	Escala PL820R	PCI	IBM AIX: 5.1 ⁹ , 5.2	Bull DCCG155-0000	FC-AL, FC-SW	N	
10	Escala: E250, EPC2450, EPC450, PL1600R, PL220T, PL3200R, PL400R, PL400T, PL600R, PL600T, PL800R	PCI	IBM AIX: 4.3.3 ⁴ , 5.1 ^{4, 8}	Bull DCCG154-0000	FC-AL ^{1, 12} , FC-SW ^{1, 12}	N	
11	Escala: EPC1200, RL470	PCI	IBM AIX 5.1 ^{1, 2}	Bull: DCCG141-0000 ^{3, 4} , DCCG147-0000 ^{3, 4} , DCCG148-0000 ^{3, 4}	FC-AL ¹ , FC-SW ^{1, 10}	N	See ⁵
12	Escala EPC440	PCI	IBM AIX 5.1 ^{1, 8}	Bull: DCCG141-0000 ^{3, 4} , DCCG147-0000 ^{3, 4} , DCCG148-0000 ^{3, 4}	FC-AL ¹ , FC-SW ^{1, 10}	N	See ⁵
13	Escala: E250, EPC450, T450	PCI	IBM AIX 5.1 ^{1, 8}	Bull: DCCG147-0000 ^{3, 4} , DCCG148-0000 ^{3, 4}	FC-AL ¹ , FC-SW ^{1, 10}	N	See ⁵
14	Escala: EPC2400, EPC2450, EPC610, EPC810, PL220T, PL400T, PL600R, PL600T, T610	PCI	IBM AIX 5.1 ^{1, 9}	Bull: DCCG147-0000 ^{3, 4} , DCCG148-0000 ^{3, 4}	FC-AL ¹ , FC-SW ^{1, 10}	N	See ⁵
15	Escala: PL1600, PL3200	PCI	IBM AIX 5.1 ^{2, 4, 9, 11}	Bull: DCCG147-0000 ^{3, 4} , DCCG148-0000 ^{3, 4}	FC-AL ¹ , FC-SW ^{1, 10}	N	
16	Escala: E230, EPC430, T430	PCI	IBM AIX 5.1 ^{2, 8}	Bull: DCCG141-0000 ^{3, 4} , DCCG147-0000 ^{3, 4} , DCCG148-0000 ^{3, 4}	FC-AL ¹ , FC-SW ^{1, 10}	N	See ⁵
17	Escala PL800R	PCI	IBM AIX: 4.3.3 ² , 5.1 ^{1, 9}	Bull: DCCG147-0000 ^{3, 4} , DCCG148-0000 ^{3, 4}	FC-AL ¹ , FC-SW ^{1, 10}	N	See ⁵
18	Escala: D Series, EPC800, M Series	MCA	IBM AIX 4.3.1 ²	Bull: MSCG012-0000, MSCG020-0000	FWD	Y	See ⁵
19	Escala: RL450, RL470	PCI	IBM AIX 4.3.1 ²	Bull: MSCG012-0000, MSCG020-0000	FWD	Y	See ⁵
20	Escala: EPC1200, RL470	PCI	IBM AIX: 4.3.0 ² , 4.3.1 ² , 4.3.2 ² , 4.3.3 ²	Bull MSCG032-0000	FWD	Y ⁶	See ⁵

Bull – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
21	Escala PL220R	PCI	IBM AIX: 4.3.3, 5.1 ⁹ , 5.2	Bull MSCG048-0000	FWD	N	
22	Escala PL820R	PCI	IBM AIX: 5.1 ⁹ , 5.2	Bull MSCG049-0000	FWD	N	
23	Escala: EPC1200, RL470	PCI	IBM AIX 5.1 ² , ⁸	Bull: MSCG030-0000, MSCG032-0000	FWD, UWD	N	See ⁵
24	Escala: E250, EPC450, T450	PCI	IBM AIX 4.3.3 ²	Bull MSCG041-0000	U2 LVD	Y	See ⁵
25	Escala: EPC2400, EPC2450, EPC610, EPC810, T610	PCI	IBM AIX 4.3.3 ²	Bull MSCG043-0000	U2 LVD	Y	See ⁵
26	Escala: EPC450, T450	PCI	IBM AIX 5.1	Bull MSCG041-0000	U2 LVD	N	
27	Escala: E230, EPC1200, EPC430, RL470, T430	PCI	IBM AIX 5.1 ² , ⁸	Bull MSCG041-0000	U2 LVD	N	See ⁵
28	Escala EPC1200A	PCI	IBM AIX 5.1 ² , ⁸	Bull MSCG043-0000	U2 LVD	N	See ⁵
29	Escala: EPC2400, EPC2450, EPC610, EPC810, T610	PCI	IBM AIX 5.1 ² , ⁹	Bull MSCG043-0000	U2 LVD	N	See ⁵
30	Escala: PL1600, PL3200	PCI	IBM AIX 5.1 ² , ⁹ , ¹¹	Bull MSCG043-0000	U2 LVD	N	
31	Escala: EPC1200, RL470	PCI	IBM AIX: 4.3.0 ² , 4.3.1 ² , 4.3.2 ² , 4.3.3 ²	Bull MSCG041-0000	U2 LVD	Y	See ⁵
32	Escala: E230, EPC430, T430	PCI	IBM AIX: 4.3.1 ² , 4.3.2 ² , 4.3.3 ²	Bull MSCG041-0000	U2 LVD	Y	See ⁵
33	Escala EPC1200A	PCI	IBM AIX: 4.3.1 ² , 4.3.2 ² , 4.3.3 ²	Bull MSCG043-0000	U2 LVD	Y	See ⁵
34	Escala: PL220T, PL400T, PL600R, PL600T, PL800R	PCI	IBM AIX: 4.3.3 ² , 5.1 ² , ⁹	Bull MSCG043-0000	U2 LVD	N	See ⁵
35	Escala EPC450	PCI	IBM AIX 4.3.3 ²	Bull MSCG023-0000	UWD	Y	See ⁵
36	Escala: EPC2400, EPC2450, EPC610, EPC810, T610	PCI	IBM AIX 4.3.3 ²	Bull MSCG044-0000	UWD	Y	See ⁵
37	Escala: E230, E250, EPC430, EPC450, S100, S120, T430, T450	PCI	IBM AIX 5.1 ² , ⁸	Bull MSCG023-0000	UWD	N	See ⁵
38	Escala: EPC1200A, EPC440	PCI	IBM AIX 5.1 ² , ⁸	Bull: MSCG030-0000, MSCG032-0000	UWD	N	See ⁵
39	Escala: EPC2400, EPC2450, EPC610, EPC810, T610	PCI	IBM AIX 5.1 ² , ⁹	Bull MSCG044-0000	UWD	N	See ⁵
40	Escala: PL1600, PL3200	PCI	IBM AIX 5.1 ² , ⁹ , ¹¹	Bull MSCG044-0000	UWD	N	
41	Escala: EPC1200, RL470	PCI	IBM AIX: 4.3.0 ² , 4.3.1 ² , 4.3.2 ² , 4.3.3 ²	Bull MSCG030-0000	UWD	Y ⁶	See ⁵
42	Escala: E230, E250, EPC400, EPC430, S100, S120, T430, T450, T610	PCI	IBM AIX: 4.3.1 ² , 4.3.2 ² , 4.3.3 ²	Bull MSCG023-0000	UWD	Y	See ⁵
43	Escala: EPC1200A, EPC440	PCI	IBM AIX: 4.3.2 ² , 4.3.3 ²	Bull: MSCG030-0000, MSCG032-0000	UWD	Y	See ⁵
44	Escala PL220R	PCI	IBM AIX: 4.3.3, 5.1 ⁹ , 5.2	Bull MSCG044-0000	UWD	N	
45	Escala: PL220T, PL400T, PL600R, PL600T, PL800R	PCI	IBM AIX: 4.3.3 ² , 5.1 ² , ⁹	Bull MSCG044-0000	UWD	N	See ⁵

- Mixed FC-AL and FC-SW are supported on the same server.
- Symmetrix 8000 Series: 66/67 support at AIX 4.3.x, 5568 support at AIX 4.3.3, 5.1, 5.2.
- Fibre Channel HBAs: DCCG141-0000: LP7000e copper DCCG147-0000: LP8000 copper DCCG148-0000: LP8000 fibre
- Fibre Channel device driver distributed and supported by Bull.
- Bull supplies the appropriate cables.
- The latest qualified operating system is AIX 4.3.3 except for RL Series.
- Mixed FC-AL and FC-SW supported on the same server, MSKG008-0000 = Brocade SilkWorm 2800.
- 32-bit kernel support only with AIX 5.1.
- AIX 5.1 32/64-bit kernel support.
- MSKG0008-0000 = Brocade® SilkWorm® 2800.
- LPAR and SMP modes supported.
- SMDF007-B000-Brocade SilkWorm 3800
SMDF008-B000-Brocade SilkWorm 3800

IBM

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	7013-S70 as SP2 node	PCI	IBM AIX 5.1 ⁵	IBM 6227 ^{18, 19}	FC-AL	N	
2	7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	PCI	IBM AIX 5.1 ⁵	IBM 6227 ^{18, 19, 35}	FC-AL	N	
3	p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 5.2 ⁴⁹	IBM 6227 ^{18, 19, 35}	FC-AL	Y ^{13, 16, 21, 47, 48}	
4	p660 7026-6M1	PCI	IBM AIX 5.2 ⁴⁹	IBM 6227 ^{18, 19, 35}	FC-AL	Y ^{13, 16, 25, 47, 48}	
5	p660: 7026-6H0, 7026-6H1	PCI	IBM AIX 5.2 ⁴⁹	IBM 6227 ^{18, 19, 35}	FC-AL	Y ^{13, 16, 24, 47, 48}	
6	p680 7017-S85	PCI	IBM AIX 5.2 ⁴⁹	IBM 6227 ^{18, 19, 35}	FC-AL	Y ^{13, 16, 27, 47, 48}	
7	p610: 7028-6C1, 7028-6E1	PCI	IBM AIX 4.3.3	EMC CKIT-E70-AIX ^{1, 7, 8, 9}	FC-AL, FC-SW	N	
8	p660 7026-6M1 as SP2 node	PCI	IBM AIX 4.3.3	EMC CKIT-E70-AIX ^{1, 7, 8, 9} IBM 6228 ^{18, 28, 29, 30}	FC-AL, FC-SW	N	

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
9	7017–S80; 7025–F80; 7026–H80; 7026–M80; 7044–170; 7044–270; p620: 7025–6F0, 7025–6F1; p640 7026–B80; p660: 7026–6H0, 7026–6H1, 7026–6M1; p680: 7017–S85, 7017–S85 as SP2 node	PCI	IBM AIX 4.3.3	EMC CKIT–E70–AIX ^{7, 8, 9}	FC–AL, FC–SW	N	
10	7026–H80 as SP2 node; 7026–M80 as SP2 node; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node	PCI	IBM AIX 4.3.3	EMC CKIT–E70–AIX ^{7, 8, 9} ; IBM 6228 ^{1, 18, 28, 29, 30}	FC–AL, FC–SW	N	
11	7017–S80 as SP2 node	PCI	IBM AIX 4.3.3	EMC CKIT–E70–AIX ^{7, 9} ; IBM 6228 ^{1, 18, 28, 29, 30}	FC–AL, FC–SW	N	
12	7017–S80 ⁸ ; p680 7017–S85 ⁸	PCI	IBM AIX 4.3.3	IBM 6228 ^{1, 13, 18, 28, 29, 30}	FC–AL, FC–SW	Y ^{12, 13, 14, 15, 16, 17, 27}	
13	7025–F80; p620: 7025–6F0, 7025–6F1	PCI	IBM AIX 4.3.3	IBM 6228 ^{1, 13, 18, 28, 29, 30}	FC–AL, FC–SW	Y ^{12, 13, 14, 15, 16, 17, 21}	
14	7025–H70; 7026–H70	PCI	IBM AIX 4.3.3	IBM 6228 ^{1, 13, 18, 28, 29, 30}	FC–AL, FC–SW	Y ^{12, 13, 14, 15, 16, 17, 22}	
15	7026–H50	PCI	IBM AIX 4.3.3	IBM 6228 ^{1, 13, 18, 28, 29, 30}	FC–AL, FC–SW	Y ^{12, 13, 14, 15, 16, 17, 23}	
16	7026–H80; p660: 7026–6H0, 7026–6H1	PCI	IBM AIX 4.3.3	IBM 6228 ^{1, 13, 18, 28, 29, 30}	FC–AL, FC–SW	Y ^{12, 13, 14, 15, 16, 17, 24}	
17	7026–M80	PCI	IBM AIX 4.3.3	IBM 6228 ^{1, 13, 18, 28, 29, 30}	FC–AL, FC–SW	Y ^{12, 13, 14, 15, 16, 17, 25}	
18	7044–170; 7044–270	PCI	IBM AIX 4.3.3	IBM 6228 ^{1, 13, 18, 28, 29, 30}	FC–AL, FC–SW	Y ^{11, 12, 13, 14, 15, 16, 17}	
19	p610: 7028–6C1, 7028–6E1	PCI	IBM AIX 4.3.3	IBM 6228 ^{1, 13, 18, 28, 29, 30}	FC–AL, FC–SW	Y ^{12, 13, 14, 15, 16, 17, 38}	
20	p640 7026–B80	PCI	IBM AIX 4.3.3	IBM 6228 ^{1, 13, 18, 28, 29, 30}	FC–AL, FC–SW	Y ^{12, 13, 14, 15, 16, 17, 26}	
21	7013–S7A; 7013–S7A as SP2 node; 7015–S7A; 7015–S7A as SP2 node; 7017–S7A; 7017–S7A as SP2 node; 7025–F50; SP2 9076 +: 06 50X ² , 07 55X ² , 08 T70 ² ; p680 7017–S85 as SP2 node ⁸	PCI	IBM AIX 4.3.3	IBM 6228 ^{1, 18, 28, 29, 30}	FC–AL, FC–SW	N	
22	p660 7026–6M1	PCI	IBM AIX 4.3.3	IBM 6228 ^{13, 18, 28, 29, 30}	FC–AL, FC–SW	Y ^{12, 13, 14, 15, 16, 17, 25}	
23	p630: 7028–6C4, 7028–6E4	PCI	IBM AIX 5.1	IBM 6228 ^{1, 13, 18, 30, 35}	FC–AL, FC–SW	Y ^{13, 14, 16, 32, 33, 42}	
24	p610 7028–6E1	PCI	IBM AIX 5.1 ³	IBM 6228 ^{1, 13, 18, 30, 35}	FC–AL, FC–SW	Y ^{13, 14, 16, 32, 33, 38}	
25	p610 7028–6C1	PCI	IBM AIX 5.1 ³	IBM 6228 ^{13, 18, 30, 35}	FC–AL, FC–SW	Y ^{13, 14, 16, 32, 33, 38}	
26	p670 7040–671; p690 7040–W42	PCI	IBM AIX 5.1 ³	IBM 6228 ^{13, 30}	FC–AL, FC–SW	Y ^{13, 14, 16, 32, 33}	
27	p690 7040–681	PCI	IBM AIX 5.1 ³	IBM 6228 ^{13, 30}	FC–AL, FC–SW	Y ^{13, 15, 16, 33, 40, 41}	
28	p690: 7040–61D, 7040–61R	PCI	IBM AIX 5.1 ³	IBM 6228 ³⁰	FC–AL, FC–SW	Y ^{14, 16, 32, 33, 39}	
29	p660 7026–6M1	PCI	IBM AIX 5.1 ³	IBM: 6227 ^{1, 18, 19, 35} ; 6228 ^{1, 13, 18, 30, 35}	FC–AL, FC–SW	Y ^{13, 14, 16, 25, 32, 33}	
30	7017–S80; p680 7017–S85	PCI	IBM AIX 5.1 ³	IBM: 6227 ^{18, 19, 34, 35} ; 6228 ^{13, 30, 34, 35}	FC–AL, FC–SW	Y ^{13, 14, 16, 27, 32, 33}	
31	7025–F80; p620: 7025–6F0, 7025–6F1	PCI	IBM AIX 5.1 ³	IBM: 6227 ^{18, 19, 34, 35} ; 6228 ^{13, 30, 34, 35}	FC–AL, FC–SW	Y ^{13, 14, 16, 21, 32, 33}	
32	7025–H70	PCI	IBM AIX 5.1 ³	IBM: 6227 ^{18, 19, 34, 35} ; 6228 ^{13, 30, 34, 35}	FC–AL, FC–SW	Y ^{13, 14, 16, 22, 32, 33, 36}	
33	7026–H70	PCI	IBM AIX 5.1 ³	IBM: 6227 ^{18, 19, 34, 35} ; 6228 ^{13, 30, 34, 35}	FC–AL, FC–SW	Y ^{13, 14, 16, 22, 32, 33, 37}	
34	7026–H80; p660 7026–6H0	PCI	IBM AIX 5.1 ³	IBM: 6227 ^{18, 19, 34, 35} ; 6228 ^{13, 30, 34, 35}	FC–AL, FC–SW	Y ^{13, 14, 16, 24, 32, 33}	
35	7026–M80	PCI	IBM AIX 5.1 ³	IBM: 6227 ^{18, 19, 34, 35} ; 6228 ^{13, 30, 34, 35}	FC–AL, FC–SW	Y ^{13, 14, 16, 25, 32, 33}	
36	7044–170; 7044–270	PCI	IBM AIX 5.1 ³	IBM: 6227 ^{18, 19, 34, 35} ; 6228 ^{13, 30, 34, 35}	FC–AL, FC–SW	Y ^{11, 13, 14, 16, 32, 33}	
37	p640 7026–B80	PCI	IBM AIX 5.1 ³	IBM: 6227 ^{18, 19, 34, 35} ; 6228 ^{13, 30, 34, 35}	FC–AL, FC–SW	Y ^{13, 14, 16, 26, 32, 33}	
38	p660 7026–6H1	PCI	IBM AIX 5.1 ³	IBM: 6227 ^{18, 19, 34, 35} ; 6228 ^{13, 30, 34, 35}	FC–AL, FC–SW	Y ^{13, 14, 16, 24, 32, 33, 37}	
39	7013–S7A as SP2 node; 7015–S7A as SP2 node; 7017–S7A as SP2 node; 7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; SP2 9076 +: 06 50X ² , 07 55X ² , 08 T70 ² ; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node; p680 7017–S85 as SP2 node	PCI	IBM AIX 5.1 ⁵	IBM 6228 ^{18, 30, 35}	FC–AL, FC–SW	N	
40	7026–H50	PCI	IBM AIX 5.1 ⁵	IBM: 6227 ^{18, 19, 34, 35} ; 6228 ^{13, 18, 30, 34, 35}	FC–AL, FC–SW	Y ^{13, 14, 16, 23, 32, 33}	
41	p650 7038–6M2	PCI	IBM AIX 5.1 ⁴⁵	IBM 6228 ^{13, 18, 30, 35}	FC–AL, FC–SW	Y ^{13, 14, 16, 33, 46}	

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
42	p655 7039–651	PCI	IBM AIX 5.1 ⁴⁵	IBM 6228 ^{13, 18, 30, 35}	FC–AL, FC–SW	Y ^{13, 16, 33}	
43	7026–H50	PCI	IBM AIX 5.2 ¹	IBM: 6227 ^{18, 19, 34, 35} , 6228 ^{18, 30, 34, 35}	FC–AL, FC–SW	N	
44	7017–S80; 7025–F80; 7025–H70; 7026–H70; 7026–H80; 7026–M80; 7044–170; 7044–270	PCI	IBM AIX 5.2 ¹	IBM: 6227 ^{18, 19, 34, 35} , 6228 ^{30, 34, 35}	FC–AL, FC–SW	N	
45	p610: 7028–6C1, 7028–6E1	PCI	IBM AIX 5.2 ⁴⁹	IBM 6228 ^{13, 18, 30, 35}	FC–AL, FC–SW	Y ^{13, 16, 38, 47, 48}	
46	p620: 7025–6F0, 7025–6F1	PCI	IBM AIX 5.2 ⁴⁹	IBM 6228 ^{13, 18, 30, 35}	FC–AL, FC–SW	Y ^{13, 16, 21, 47, 48}	
47	p630: 7028–6C4, 7028–6E4	PCI	IBM AIX 5.2 ⁴⁹	IBM 6228 ^{13, 18, 30, 35}	FC–AL, FC–SW	Y ^{13, 16, 40, 47, 48}	
48	p640 7026–B80	PCI	IBM AIX 5.2 ⁴⁹	IBM 6228 ^{13, 18, 30, 35}	FC–AL, FC–SW	Y ^{13, 16, 26, 47, 48}	
49	p650 7038–6M2	PCI	IBM AIX 5.2 ⁴⁹	IBM 6228 ^{13, 18, 30, 35}	FC–AL, FC–SW	Y ^{13, 16, 47, 48, 50}	
50	p655 7039–651	PCI	IBM AIX 5.2 ⁴⁹	IBM 6228 ^{13, 18, 30, 35}	FC–AL, FC–SW	Y ^{13, 16, 47, 48}	
51	p660 7026–6M1	PCI	IBM AIX 5.2 ⁴⁹	IBM 6228 ^{13, 18, 30, 35}	FC–AL, FC–SW	Y ^{13, 16, 25, 47, 48}	
52	p660: 7026–6H0, 7026–6H1	PCI	IBM AIX 5.2 ⁴⁹	IBM 6228 ^{13, 18, 30, 35}	FC–AL, FC–SW	Y ^{13, 16, 24, 47, 48}	
53	p680 7017–S85	PCI	IBM AIX 5.2 ⁴⁹	IBM 6228 ^{13, 18, 30, 35}	FC–AL, FC–SW	Y ^{13, 16, 27, 47, 48}	
54	p670 7040–671; p690 7040–W42	PCI	IBM AIX 5.2 ⁴⁹	IBM 6228 ^{13, 30}	FC–AL, FC–SW	Y ^{13, 16, 47, 48}	
55	p690 7040–681	PCI	IBM AIX 5.2 ⁴⁹	IBM 6228 ^{13, 30}	FC–AL, FC–SW	Y ^{13, 16, 40, 47, 48}	
56	p690: 7040–61D, 7040–61R	PCI	IBM AIX 5.2 ⁴⁹	IBM 6228 ³⁰	FC–AL, FC–SW	Y ^{16, 39, 47, 48}	
57	7025–F50; 7026–H50; SP2 9076 +: 06 50X ² , 07 55X ² , 08 T70 ²	PCI	IBM AIX: 4.3.0, 4.3.1, 4.3.2, 4.3.3	EMC CKIT–E70–AIX ^{7, 8, 9}	FC–AL, FC–SW	N	
58	7013–S70; 7013–S70 as SP2 node; 7015–S70; 7015–S70 as SP2 node	PCI	IBM AIX: 4.3.1, 4.3.2, 4.3.3	EMC CKIT–E70–AIX ^{7, 8, 9}	FC–AL, FC–SW	N	
59	7017–S70; 7017–S70 as SP2 node	PCI	IBM AIX: 4.3.1, 4.3.2, 4.3.3	EMC CKIT–E70–AIX ^{7, 9}	FC–AL, FC–SW	N	
60	7013–S7A; 7013–S7A as SP2 node; 7015–S7A; 7015–S7A as SP2 node; 7025–H70; 7026–H70	PCI	IBM AIX: 4.3.2, 4.3.3	EMC CKIT–E70–AIX ^{7, 8, 9}	FC–AL, FC–SW	N	
61	7017–S7A; 7017–S7A as SP2 node	PCI	IBM AIX: 4.3.2, 4.3.3	EMC CKIT–E70–AIX ^{7, 9}	FC–AL, FC–SW	N	
62	p630: 7028–6C4, 7028–6E4	PCI	IBM AIX: 5.1, 5.2 ⁴⁹	IBM 6239 ⁵²	FC–AL, FC–SW	Y	
63	7013–S70; 7015–S70; 7017–S70	PCI	IBM AIX: 5.1 ³ , 5.2 ¹	IBM 6227 ^{18, 19, 34, 35}	FC–AL, FC–SW	N	
64	7044–170; 7044–270	PCI	IBM AIX: 5.1 ³ , 5.2 ¹	IBM 6239 ⁵²	FC–AL, FC–SW	Y	
65	7013–S7A; 7015–S7A; 7017–S7A	PCI	IBM AIX: 5.1 ³ , 5.2 ¹	IBM: 6227 ^{18, 19, 34, 35} , 6228 ^{30, 34, 35}	FC–AL, FC–SW	N	
66	p610: 7028–6C1, 7028–6E1; p620: 7025–6F0, 7025–6F1; p640 7026–B80; p660: 7026–6H0, 7026–6H1, 7026–6M1; p670 7040–671; p690: 7040–61D, 7040–61R, 7040–681	PCI	IBM AIX: 5.1 ³ , 5.2 ⁴⁹	IBM 6239 ⁵²	FC–AL, FC–SW	Y	
67	p650 7038–6M2; p655 7039–651	PCI	IBM AIX: 5.1 ⁴⁵ , 5.2 ⁴⁹	IBM 6239 ⁵²	FC–AL, FC–SW	Y	
68	7025–F50	PCI	IBM AIX: 5.1 ⁵ , 5.2 ¹	IBM: 6227 ^{19, 34, 35} , 6228 ^{30, 34, 35}	FC–AL, FC–SW	N	
69	p615: 7029–6C3, 7029–6E3	PCI	IBM AIX: 5.1 ⁵¹ , 5.2 ⁵³	IBM 6239 ^{18, 52}	FC–AL, FC–SW	Y	
70	SP2 9076 +: 02 XX1 ² , 05 XX9 ²	MCA	IBM AIX 5.2 ¹ , 49, 54, 55, 56	IBM: 6227 ^{18, 34, 35} , 6228 ^{18, 34, 35, 54, 57}	FC–AL ⁴⁴ FC–SW ⁴⁴	N	
71	SP2 9076 +: 06 50X ² , 07 55X ² , 08 T70 ²	PCI	IBM AIX 5.1 ⁵	IBM 6227 ^{18, 19, 35}	FC–AL ⁴⁴ FC–SW ⁴⁴	N	
72	7013–S70 as SP2 node; 7015–S70 as SP2 node; 7017–S70 as SP2 node; 7017–S7A as SP2 node; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node; p680 7017–S85 as SP2 node; p690: 7040–61D as an SP node, 7040–61R as an SP node, 7040–681 as an SP node	PCI	IBM AIX 5.2 ¹ , 49, 54, 55, 56	IBM 6227 ^{18, 34, 35}	FC–AL ⁴⁴ FC–SW ⁴⁴	N	

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
73	670 7040-671 as an SP node; 7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ² , 07 55X ² , 08 T70 ²	PCI	IBM AIX 5.2 ¹ , 49, 54, 55, 56	IBM: 6227 ¹⁸ , 34, 35, 6228 ¹⁸ , 34, 35, 54, 57	FC-AL ⁴⁴ FC-SW ⁴⁴	N	
74	p640 7026-B80	PCI	IBM AIX 5.2 ⁴⁹	IBM 6227 ¹⁸ , 19, 35	FC-AL ⁴⁴ FC-SW ⁴⁴	Y ¹³ , 16, 26, 47, 48	
75	7013-S70; 7013-S70 as SP2 node; 7013-S7A; 7013-S7A as SP2 node; 7015-S70; 7015-S70 as SP2 node; 7015-S7A; 7015-S7A as SP2 node; 7017-S70; 7017-S70 as SP2 node; 7017-S7A; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7025-F50; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node; p680 7017-S85 as SP2 node	PCI	IBM AIX 4.3.3	IBM 6227 ¹ , 18, 19	FC-AL ¹⁰ FC-SW ²⁰	N	See ¹⁰
76	7017-S80; p680 7017-S85	PCI	IBM AIX 4.3.3	IBM 6227 ¹ , 18, 19	FC-AL ¹⁰ FC-SW ²⁰	Y ¹² , 13, 14, 15, 16, 17, 27	See ¹⁰
77	7025-F80; p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 4.3.3	IBM 6227 ¹ , 18, 19	FC-AL ¹⁰ FC-SW ²⁰	Y ¹² , 13, 14, 15, 16, 17, 21	See ¹⁰
78	7025-H70; 7026-H70	PCI	IBM AIX 4.3.3	IBM 6227 ¹ , 18, 19	FC-AL ¹⁰ FC-SW ²⁰	Y ¹² , 13, 14, 15, 16, 17, 22	See ¹⁰
79	7026-H50	PCI	IBM AIX 4.3.3	IBM 6227 ¹ , 18, 19	FC-AL ¹⁰ FC-SW ²⁰	Y ¹² , 13, 14, 15, 16, 17, 23	See ¹⁰
80	7026-H80 as SP2 node	PCI	IBM AIX 4.3.3	IBM 6227 ¹ , 18, 19	FC-AL ¹⁰ FC-SW ²⁰	N	See ²⁰
81	7026-H80; p660: 7026-6H0, 7026-6H1	PCI	IBM AIX 4.3.3	IBM 6227 ¹ , 18, 19	FC-AL ¹⁰ FC-SW ²⁰	Y ¹² , 13, 14, 15, 16, 17, 24	See ¹⁰
82	7026-M80	PCI	IBM AIX 4.3.3	IBM 6227 ¹ , 18, 19	FC-AL ¹⁰ FC-SW ²⁰	Y ¹² , 13, 14, 15, 16, 17, 25	See ¹⁰
83	7044-170; 7044-270	PCI	IBM AIX 4.3.3	IBM 6227 ¹ , 18, 19	FC-AL ¹⁰ FC-SW ²⁰	Y ¹¹ , 12, 13, 14, 15, 16, 17	See ¹⁰
84	p640 7026-B80	PCI	IBM AIX 4.3.3	IBM 6227 ¹ , 18, 19	FC-AL ¹⁰ FC-SW ²⁰	Y ¹² , 13, 14, 15, 16, 17, 26	See ¹⁰
85	p660 7026-6M1	PCI	IBM AIX 4.3.3	IBM 6227 ¹ , 18, 19	FC-AL ¹⁰ FC-SW ²⁰	Y ¹² , 13, 14, 15, 16, 17, 25	
86	SP2 9076 +: 06 50X ² , 07 55X ² , 08 T70 ²	PCI	IBM AIX 4.3.3	IBM 6227 ¹ , 18, 19, 31	FC-AL ¹⁰ FC-SW ²⁰	N	
87	p660 7026-6M1 as SP2 node	PCI	IBM AIX 4.3.3	IBM 6227 ¹⁸ , 19	FC-AL ¹⁰ FC-SW ²⁰	N	
88	7013-J30; 7013-J40; 7013-J50; 7015-R30; 7015-R40; 7015-R50	MCA	IBM AIX: 4.3.2, 4.3.3	IBM: 2412 ¹ , 2416 ¹	FWD	Y	
89	SP2 9076 + 01: 00X ² , 10X ² , A0X ² ; SP2 9076 +: 02 XX1 ² , 03 XX2 ² , 03 XX3 ² , 03 XX4 ² , 03 XX5 ² , 03 XX6 ² , 04 XX7 ² , 04 XX8 ² , 04 XXA ² , 05 XX9 ²	MCA	IBM AIX: 4.3.2, 4.3.3	IBM: 2412 ¹ , 2416 ¹	FWD	N	
90	SP2 9076 +: 06 50X ² , 07 55X ²	PCI	IBM AIX 4.3.3	IBM 6204 ¹ , 31	FWD	N	
91	7017-S80 as SP2 node	PCI	IBM AIX 4.3.3	IBM 6209 ¹	FWD	N	
92	7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; SP2 9076 + 06 50X ²	PCI	IBM AIX 5.1 ¹ , 5	IBM 6209	FWD	N	
93	7025-F50	PCI	IBM AIX 5.1 ¹ , 5	IBM 6209	FWD	Y ⁶	
94	7013-S70; 7013-S7A; 7015-S70; 7015-S7A; 7017-S70; 7017-S7A	PCI	IBM AIX 5.1 ³	IBM 6209 ¹	FWD	Y ⁶	
95	7026-H50	PCI	IBM AIX 5.1 ⁵	IBM 6209 ¹	FWD	Y ⁶	
96	7025-F50	PCI	IBM AIX 5.2 ¹	IBM 6209	FWD	N	
97	7013-S70; 7013-S7A; 7015-S70; 7015-S7A; 7017-S70; 7017-S7A; 7017-S80; 7025-F80; 7026-H50	PCI	IBM AIX 5.2 ¹	IBM 6209 ¹	FWD	N	
98	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node	PCI	IBM AIX: 4.3.1, 4.3.2, 4.3.3	IBM 6209 ¹	FWD	N	
99	7013-S70; 7015-S70; 7017-S70	PCI	IBM AIX: 4.3.1, 4.3.2, 4.3.3	IBM 6209 ¹	FWD	Y	

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
100	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; SP2 9076 + 06 50X ²	PCI	IBM AIX: 4.3.2, 4.3.3	IBM 6209 ¹	FWD	N	
101	7013-S7A; 7015-S7A; 7017-S7A; 7025-F50; 7026-H50	PCI	IBM AIX: 4.3.2, 4.3.3	IBM 6209 ¹	FWD	Y	
102	SP2 9076 +: 07 55X ² , 08 T70 ²	PCI	IBM AIX: 4.3.2, 4.3.3	IBM: 6207 ¹ , 6209	FWD	N	
103	7025-H70; 7026-H70	PCI	IBM AIX: 4.3.2, 4.3.3, 5.1 ³ , 5.2 ¹	IBM 6209 ¹	FWD	N	
104	7017-S80; 7025-F80	PCI	IBM AIX: 4.3.3, 5.1 ³	IBM 6209 ¹	FWD	Y	
105	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node; p680 7017-S85 as SP2 node	PCI	IBM AIX 4.3.3	IBM 6205 ^{1, 4}	U2 LVD	N	
106	SP2 9076 + 08 T70 ²	PCI	IBM AIX 4.3.3	IBM 6205 ^{1, 4, 31}	U2 LVD	N	
107	7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node; p680 7017-S85 as SP2 node	PCI	IBM AIX 5.1 ^{1, 5}	IBM 6205 ⁴	U2 LVD	N	
108	SP2 9076 + 08 T70 ²	PCI	IBM AIX 5.1 ^{1, 5}	IBM 6205 ^{4, 31}	U2 LVD	N	
109	7017-S80; 7025-F80; 7026-H80; 7026-M80; 7044-170; 7044-270; 7046-B50	PCI	IBM AIX 5.2 ¹	IBM 6205 ^{1, 4}	U2 LVD	N	
110	SP2 9076 +: 06 50X ² , 07 55X ²	PCI	IBM AIX: 4.3.3, 5.1	IBM 6205	U2 LVD	N	
111	p660 7026-6M1 as SP2 node	PCI	IBM AIX: 4.3.3, 5.1 ^{1, 5}	IBM 6205 ⁴	U2 LVD	N	
112	7017-S80; 7025-F80; 7026-H80; 7026-M80; 7044-170; 7044-270; 7046-B50; p640 7026-B80; p680 7017-S85	PCI	IBM AIX: 4.3.3, 5.1 ³	IBM 6205 ^{1, 4}	U2 LVD	Y	
113	p620: 7025-6F0, 7025-6F1; p660: 7026-6H0, 7026-6H1	PCI	IBM AIX: 4.3.3, 5.1 ³	IBM 6205 ^{1, 4}	U2 LVD	N	
114	p660 7026-6M1	PCI	IBM AIX: 4.3.3, 5.1 ³	IBM 6205 ⁴	U2 LVD	N	
115	7013-S7A; 7015-S7A; 7017-S7A; 7025-H70; 7026-H70	PCI	IBM AIX: 4.3.3, 5.1 ³ , 5.2 ¹	IBM 6205 ^{1, 4}	U2 LVD	N	
116	7025-F50; 7026-H50	PCI	IBM AIX: 4.3.3, 5.1 ⁵ , 5.2 ¹	IBM 6205 ^{1, 4}	U2 LVD	N	
117	p620: 7025-6F0, 7025-6F1; p640 7026-B80; p660: 7026-6H0, 7026-6H1, 7026-6M1; p680 7017-S85	PCI	IBM AIX 5.2 ⁴⁹	IBM 6205	U2 LVD ⁴	N	
118	SP2 9076 + 08 T70 ²	PCI	IBM AIX 4.3.3	IBM 6204	UWD	N	
119	7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node	PCI	IBM AIX 4.3.3	IBM 6204 ¹	UWD	N	
120	7017-S80 as SP2 node; 7026-H80 as SP2 node; p680 7017-S85 as SP2 node	PCI	IBM AIX 4.3.3	IBM: 6204 ¹ , 6207 ¹	UWD	N	
121	7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node	PCI	IBM AIX 5.1 ^{1, 5}	IBM 6204	UWD	N	
122	SP2 9076 + 06 50X ²	PCI	IBM AIX 5.1 ^{1, 5}	IBM 6204 ³¹	UWD	N	
123	7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; SP2 9076 + 08 T70 ²	PCI	IBM AIX 5.1 ^{1, 5}	IBM 6207	UWD	N	
124	7025-F50	PCI	IBM AIX 5.1 ^{1, 5}	IBM 6207	UWD	Y ⁶	
125	7017-S80 as SP2 node; 7026-H80 as SP2 node; p680 7017-S85 as SP2 node	PCI	IBM AIX 5.1 ^{1, 5}	IBM: 6204, 6207	UWD	N	
126	SP2 9076 + 07 55X ²	PCI	IBM AIX 5.1 ^{1, 5}	IBM: 6204 ⁴³ , 6207	UWD	N	
127	7013-S70; 7013-S7A; 7015-S70; 7015-S7A; 7017-S70; 7017-S7A	PCI	IBM AIX 5.1 ³	IBM 6207 ¹	UWD	Y ⁶	
128	7026-H50	PCI	IBM AIX 5.1 ⁵	IBM 6207 ¹	UWD	Y ⁶	

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
129	7026-M80; 7044-170; 7044-270	PCI	IBM AIX 5.2 ¹	IBM 6204 ¹	UWD	N	
130	7025-F50	PCI	IBM AIX 5.2 ¹	IBM 6207	UWD	N	
131	7013-S70; 7013-S7A; 7015-S70; 7015-S7A; 7017-S70; 7017-S7A; 7026-H50	PCI	IBM AIX 5.2 ¹	IBM 6207 ¹	UWD	N	
132	7017-S80; 7025-F80; 7026-H80; 7046-B50	PCI	IBM AIX 5.2 ¹	IBM: 6204 ¹ , 6207 ¹	UWD	N	
133	p610: 7028-6C1, 7028-6E1; p620: 7025-6F0, 7025-6F1; p660: 7026-6H0, 7026-6H1	PCI	IBM AIX 5.2 ⁴⁹	IBM 6204	UWD	N	
134	p640 7026-B80; p680 7017-S85	PCI	IBM AIX 5.2 ⁴⁹	IBM: 6204, 6207	UWD	N	
135	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node	PCI	IBM AIX: 4.3.1, 4.3.2, 4.3.3	IBM 6207 ¹	UWD	N	
136	7013-S70; 7015-S70; 7017-S70	PCI	IBM AIX: 4.3.1, 4.3.2, 4.3.3	IBM 6207 ¹	UWD	Y	
137	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node	PCI	IBM AIX: 4.3.2, 4.3.3	IBM 6207 ¹	UWD	N	
138	7013-S7A; 7015-S7A; 7017-S7A; 7025-F50; 7026-H50	PCI	IBM AIX: 4.3.2, 4.3.3	IBM 6207 ¹	UWD	Y	
139	SP2 9076 + 06 50X ²	PCI	IBM AIX: 4.3.2, 4.3.3, 5.1	IBM 6207	UWD	N	
140	7025-H70; 7026-H70	PCI	IBM AIX: 4.3.2, 4.3.3, 5.1 ³ , 5.2 ¹	IBM 6207 ¹	UWD	N	
141	p660 7026-6M1 as SP2 node	PCI	IBM AIX: 4.3.3, 5.1 ¹ , 5	IBM 6204	UWD	N	
142	7026-M80; 7044-170; 7044-270	PCI	IBM AIX: 4.3.3, 5.1 ³	IBM 6204 ¹	UWD	Y	
143	p610: 7028-6C1, 7028-6E1; p620: 7025-6F0, 7025-6F1; p660: 7026-6H0, 7026-6H1	PCI	IBM AIX: 4.3.3, 5.1 ³	IBM 6204 ¹	UWD	N	
144	7017-S80; 7025-F80; 7026-H80; 7046-B50; p640 7026-B80; p680 7017-S85	PCI	IBM AIX: 4.3.3, 5.1 ³	IBM: 6204 ¹ , 6207 ¹	UWD	Y	
145	p660 7026-6M1	PCI	IBM AIX: 4.3.3, 5.1 ³ , 5.2 ⁴⁹	IBM 6204	UWD	N	
146	p630: 7028-6C4, 7028-6E4; p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681, 7040-W42	PCI	IBM AIX: 5.1 ³ , 5.2 ⁴⁹	IBM 6204	UWD	N	
147	p650 7038-6M2	PCI	IBM AIX: 5.1 ³ , 5.2 ⁴⁹	IBM 6204	UWD	Y	

- For all PCI-based hosts only: See http://www-1.ibm.com/servers/eserver/pseries/library/hardware_docs/sa38/380538.pdf for appropriate HBA placement guidelines.
- The following link provides detailed data for all 9076-SP2 models and feature codes:
http://www1.ibm.link.ibm.com/cgi-bin/master?request=salesmanual&parms=SMS&xh=NTZH*daEMSRi4n1USenGnN9332&hi=usa.main%7Csalesmanual%5E&type=D&search=9076&title=T&product=9076
- AIX 5.1 32/64 bit Kernel supported. Minimum PowerPath Version 2.1.2 supported. Requires minimum EMC ODM fileset support 5.0.0.0.
- Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3-U2SD4L).
- AIX 5.1 only supported with 32-bit kernel. Minimum PowerPath Version 2.1.2 supported. Requires minimum EMC ODM fileset support 5.0.0.0.
- PowerPC 32-bit only.
- HBA and driver available exclusively as EMC Fibre Channel Interface V2.0 for AIX Platforms. Latest PTF package (V2.0.0.3_PTF.tar.Z) can be downloaded from the EMC FTP server at <ftp://ftp.emc.com/pub/elab/aix/EMC-FC-Kit>
- Mixed FC-AL and FC-SW are supported on the same server.
- No longer available
- Requires minimum Symmetrix microcode level 5265.39.25. Requires minimum AIX APAR IY05369. Requires minimum EMC ODM fileset support (4.3.3.0 IBM Fibre Channel interface support for Symmetrix).
- System/Service processor combined microcode Version SPH02254/sh020307 dated 11/20/2002 or later.
- AIX 4.3.3 ML9, APAR IY22024
- For all PCI-based hosts only: see HBA placement guidelines in the IBM document PCI Adapter Placement Reference SA38-0538-6, available at http://www-1.ibm.com/servers/eserver/pseries/library/hardware_docs/sa38/380538.pdf
- Booting from a PowerPath device is supported with FC-SW topology only.
- Minimum Powerpath version 3.0.2. For Powerpath patches 3.0.x, the bootfix.sh script is required for boot support. See the EMC Primus case ID emc58038 for more details and the PowerPath Release Notes for installation
- Obtain the EMC Symmetrix and AIX Fibre boot document from avatar.eng.emc.com for installation and configuration instructions.
- Fibre boot when used under AIX 4.3 requires APAR IY42989 which can be obtained from IBM at <https://techsupport.services.ibm.com/server/fixes?view=pSeries>.
- IBM Native Fibre Channel drivers with feature code 6227 and with feature code 6228 are supported on the same server. Feature 6228 and 6239 are supported on the same server. Mixed FC-AL and FC-SW are supported on the same server. 6227 filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1000f7.rte; 6228 filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1000f7.rte; 6239 filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1000f7.rte
- Firmware Version 3.22A1. Minimum supported level.
- Requires minimum Symmetrix microcode level 5265.48.30. Requires minimum AIX APAR IY08960, IY03872. Requires minimum EMC ODM fileset support (4.3.3.1 IBM Fibre Channel interface support for Symmetrix).
- System microcode CL020407 or later.
- System/Service processor combined microcode Version SST01256/SS010614 dated 10/23/2001 or later.
- System/Service processor combined microcode Version L02113/ag010611 or later.
- System microcode CM020407 or later.
- System microcode MM020407 or later.
- System/Service processor combined microcode Version NAN02066/SC020308 dated 03/29/2002 or later.
- System/Service processor combined microcode Version 20020920 dated 11/19/2002 or later.
- Requires minimum AIX 4.3.3 with maintenance level 08.
- Requires minimum EMC ODM fileset support (4.3.3.1 IBM Fibre Channel interface support for Symmetrix). Device driver df1000f9 is distributed by IBM.
- Firmware Version 3.82A1. Minimum supported level.

31. The Following feature codes are supported: 2054: Power 3 High Node 2055: SP expansion I/O 2056: 375 MHz Power 3 thin node 2058: 375 MHz Power 3 high node.
32. AIX 5.1 ML1, APAR IY21957
33. Fibre boot when used under AIX 5.1 requires APAR IY40885 which can be obtained from IBM at <https://techsupport.services.ibm.com/server/fixes?view=pSeries>.
34. See http://www.rs6000.ibm.com/resource/hardware_docs/sa38-0538/380538.pdf for appropriate HBA placement guidelines
35. Requires minimum ODM fileset support (5.0.0.0 EMC Symmetrix Fibre Channel support software).
36. AIX 5.1 32/64 bit Kernel supported. Requires minimum EMC ODM fileset support 5.0.0.0.
37. AIX 5.1 supported with 32/64-bit kernel. Requires minimum EMC ODM fileset support 5.0.0.0.
38. System/Service processor combined microcode Version CLT02066/ct020307 dated 04/04/2002 or later.
39. Minimum microcode levels RH0 20413 dated 05/22/2002 or later.
40. System/Service processor combined microcode Version RH020413 dated 05/22/2002 or later.
41. AIX 5.1 ML1, APAR IY21957 or higher.
42. System/Service processor combined microcode Version RR020822 dated 09/19/2002 or later.
43. Latest APAR for PSSP 3.1.1 is IY17870.
44. **FC-SW and FC-AL are supported on the same server.**
45. Requires minimum AIX5.1 with maintenance level 03 APAR IY32749.
46. System/Service processor combined microcode Version RK021120 dated 12/11/2002 or later.
47. Minimum Powerpath version 3.0.3 is supported.
48. Fibre boot when used under AIX 5.2 requires APAR IY41028 which can be obtained from IBM at <https://techsupport.services.ibm.com/server/fixes?view=pSeries>.
49. AIX 5.2 32/64 bit kernel supported. Requires Minimum EMC ODM fileset support 5.0.0.0.
50. System/Service processor combined microcode Version RK030206 dated 03/31/2003 or later.
51. Requires AIX 5.1 with minimum maintenance level 04 APAR IY44478.
52. Firmware Version 1.00X5. Minimum supported level.
53. Requires AIX 5.2 with minimum maintenance level 01 APAR IY44479.
54. **Requires CLArrayS3.5.2.0.7**
55. **AIX 5.2 requires Operating System APAR# IY36782, IY37744 and IY37746 for support with HACMP and HACMP/ES version 4.5 and PSSP 3.5.**
56. **Requires AIX APAR IY48995**
57. **IBM 6227 and 6228 adapters are supported on the same server. Mixed FC-AL and FC-SW are supported on the same server.**

IBM DYNIX/ptx

IBM

IBM – IBM DYNIX/ptx							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	xSeries NUMA-Q 2000	PCI	IBM DYNIX/ptx 4.4.7 ¹³	IBM IOC-210-54 (LP7000E-N1) ⁹	FC-AL, FC-SW	N	
2	xSeries NUMA-Q 2000	PCI	IBM DYNIX/ptx 4.4.9 ¹	IBM: IOC-210-52 (LP6500) ^{8,9} , IOC-210-54 (LP7000E-N1) ^{8,9}	FC-AL, FC-SW	N	See ⁵
3	xSeries NUMA-Q 2000	PCI	IBM DYNIX/ptx 4.6.1 ¹	IBM IOC-210-52 (LP6500) ^{8,9}	FC-AL, FC-SW	√ ^{6,7}	See ⁵
4	xSeries NUMA-Q 2000	PCI	IBM DYNIX/ptx 4.6.1 ¹	IBM IOC-210-54 (LP7000E-N1) ^{8,9}	FC-AL, FC-SW	√ ⁶	See ⁵
5	xSeries NUMA-Q 2000	PCI	IBM DYNIX/ptx 4.4.7 ¹³	IBM FCB 1000-MB	FC-BR	N	
6	xSeries NUMA-Q 2000 ³	PCI	IBM DYNIX/ptx 4.4.9 ¹	IBM FC to SCSI Bridge	FC-BR	N	
7	xSeries NUMA-Q 2000	PCI	IBM DYNIX/ptx 4.4.9 ¹	IBM FCB 1000-MB ¹¹	FC-BR	N	See ³
8	xSeries NUMA-Q 2000	PCI	IBM DYNIX/ptx 4.5.2	IBM FC to SCSI Bridge ^{4,12}	FC-BR	N	
9	xSeries NUMA-Q 2000	PCI	IBM DYNIX/ptx: 4.4.8 ¹ , 4.5.2 ¹ , 4.6.1 ¹	IBM FCB 1000-MB ⁴	FC-BR	N	See ³
10	xSeries NUMA-Q 2000	PCI	IBM DYNIX/ptx 4.4.7 ¹³	IBM IOC-210-52 (LP6500) ⁹	FC-SW	N	
11	xSeries NUMA-Q 2000	PCI	IBM DYNIX/ptx: 4.4.10 ^{1,10} , 4.4.8 ¹ , 4.5.2 ¹ , 4.5.3 ^{1,10}	IBM: IOC-210-52 (LP6500) ^{8,9} , IOC-210-54 (LP7000E-N1) ^{8,9}	FC-SW	N	See ⁵
12	Symmetry 2000	PCI	IBM DYNIX/ptx 4.4.7 ¹³	IBM: QCIC-E, QCIC-W-CTLR-01	FWD	N	
13	Symmetry 5000	PCI	IBM DYNIX/ptx: 4.2.4 ¹ , 4.4.7 ¹³ , 4.4.8 ¹	IBM: QCIC-E, QCIC-W-CTLR-01	FWD	N	
14	Symmetry 2000 ²	PCI	IBM DYNIX/ptx: 4.2.4 ¹ , 4.4.8 ¹	IBM: QCIC-E, QCIC-W-CTLR-01	FWD	N	

- Symmetrix 8000 Series: 66/67 support: DYNIX/ptx 4.2.4(66 only), 4.4.x, 4.5.1, 4.6.0(Symmetry @ 4.2).
- Dynix 4.5.1 is not supported on Symmetry 2000.
- Attachment is through an integrated Fibre Channel to SCSI Bridge C10V cable requires switched termination. ptx 4.4.2 requires a minimum Symmetrix microcode level of 5264.25.23
- Firmware Version v1.5.5. FC to SCSI Bridge.
- FC-AL support only available in DYNIX/ptx 4.5.0 and above.
- Boot device cannot be mapped to FC-to-SCSI bridges.
- Not supported on the EMC DP3-FCD4 or on the DP3-FCD42G(S).
- EMC DP3-FCD4 supported on DYNIX/ptx 4.4.8, 4.4.9, 4.4.10, 4.5.2, 4.5.3, and 4.6.1 only. Requires minimum 5x67 microcode 5567.34.19A, or 5568.27.12A.
- EMC DP3-FCD42G and EMC DP3-FCD42GS supported on DYNIX/ptx 4.4.8, 4.4.9 and 4.4.10 only.
- DYNIX/ptx 4.4.10 and 4.5.3 are not supported in FC-AL Configurations
- Firmware Version v1.5.5.
- Attachment is through and integrated Fibre Channel to SCSI bridge C10V cable requires switched termination.
- Only supported in cluster configurations

IBM MVS/ESA

IBM

IBM – IBM MVS/ESA							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM MVS/ESA 5.1	IBM BMC-Parallel	BMC-Parallel	N	See ¹
2	S/390 parallel Enterprise Servers (G5 series) 9672-Rxx	Mainframe Bus	IBM MVS/ESA 5.1	IBM BMC-Parallel	BMC-Parallel	N	
3	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM MVS/ESA 5.1	IBM ESCON	ESCON	N	See ¹
4	S/390 parallel Enterprise Servers (G5 series) 9672-Rxx	Mainframe Bus	IBM MVS/ESA 5.1	IBM ESCON	ESCON	N	

- SuSE Linux AG kernel 2.2 / 2.4, TurboLinux kernel 2.2 / 2.4, and Red Hat kernel 2.2 / 2.4: support for Linux on Symmetrix is limited to basic I/O operations only. Control of Symmetrix features (i.e., SRDF, TF, Config Mgr) is not supported at this time. Linux is supported both in an LPAR and as a guest under VM/ESA.

IBM OS/390

Amdahl

Amdahl – IBM OS/390						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Millennium: GS2000A, GS2000C, GS2000E, GS700	Mainframe Bus	IBM OS/390: 2.10, 2.6, 2.7.0, 2.8, 2.9.0	IBM BMC–Parallel ¹	BMC–Parallel	N
2	Millennium: GS2000A, GS2000C, GS2000E, GS700	Mainframe Bus	IBM OS/390: 2.10, 2.6, 2.7.0, 2.8, 2.9.0	IBM ESCON	ESCON	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

IBM

IBM – IBM OS/390							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM OS/390 1.1	IBM BMC–Parallel	BMC–Parallel	N	
2	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM OS/390 2.8	IBM BMC–Parallel	BMC–Parallel	N	See ¹
3	Multiprise 3000	Mainframe Bus	IBM OS/390: 1.1, 2.6	IBM BMC–Parallel	BMC–Parallel	N	See ¹
4	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM OS/390: 2.10, 2.6, 2.7.0, 2.8, 2.9.0	IBM BMC–Parallel	BMC–Parallel	N	See ¹
5	z/series: z800–2066, z900–2064	Mainframe Bus	IBM OS/390: 2.10, 2.6, 2.8, 2.9.0	IBM BMC–Parallel ²	BMC–Parallel	N	
6	Multiprise 3000	Mainframe Bus	IBM OS/390: 2.10, 2.7.0, 2.8, 2.9.0	IBM BMC–Parallel	BMC–Parallel	N	
7	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM OS/390 1.1	IBM ESCON	ESCON	N	
8	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM OS/390 2.8	IBM ESCON	ESCON	N	See ¹
9	Multiprise 3000	Mainframe Bus	IBM OS/390: 1.1, 2.6	IBM ESCON	ESCON	N	See ¹
10	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM OS/390: 2.10, 2.6, 2.7.0, 2.8, 2.9.0	IBM ESCON	ESCON	N	See ¹
11	z/series: z800–2066, z900–2064	Mainframe Bus	IBM OS/390: 2.10, 2.6, 2.8, 2.9.0	IBM ESCON	ESCON	N	
12	Multiprise 3000	Mainframe Bus	IBM OS/390: 2.10, 2.7.0, 2.8, 2.9.0	IBM ESCON	ESCON	N	
13	z/series: z800–2066, z900–2064	Mainframe Bus	IBM OS/390: 2.10, 2.8, 2.9.0	IBM FICON	FICON	N	

1. SuSE Linux AG kernel 2.2 / 2.4, TurboLinux kernel 2.2 / 2.4, and Red Hat kernel 2.2 / 2.4: support for Linux on Symmetrix is limited to basic I/O operations only. Control of Symmetrix features (i.e., SRDF, TF, Config Mgr) is not supported at this time. Linux is supported both in an LPAR and as a guest under VM/ESA.

2. Parallel channel attachment is only available on the Symmetrix 5000 series.

IBM OS/400

IBM

IBM – IBM OS/400						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	AS/400 9406: 800, 810, 825, 870	PCI	IBM OS/400 V5R2 ^{1, 2, 3, 4, 6, 7}	IBM: 2766, 2787	FC–SW	Y
2	AS/400 9406 890	PCI	IBM OS/400: V5R1 ^{1, 2, 3, 4, 6, 7} , V5R2 ^{1, 2, 3, 4, 6, 7}	IBM: 2766, 2787	FC–SW	Y
3	AS/400 9406: 270, 820, 830, 840	PCI	IBM OS/400: V5R1 ^{1, 2, 3, 4} , V5R2 ^{1, 2, 3, 4}	IBM 2766	FC–SW	Y
4	AS/400 9406: 730, 740	SPD	IBM OS/400: V4R5 ^{5, 8, 9, 10} , V5R1 ^{5, 8, 9, 10} , V5R2 ^{5, 8, 9, 10}	IBM 6501	FWD	Y
5	AS/400 9406: 820, 830, 840	SPD	IBM OS/400: V4R5 ⁵ , V5R1 ⁵ , V5R2 ⁵	IBM 6501	FWD	Y

1. Symmetrix DMX series are supported only on V5R2 and require the use of the LSE–FHDA for software.

2. 8HDA and FHDA are the only load compatible Load Source Extenders (LSE)

3. Minimum Engenuity Version 5568.56.22 or later can support 1Gb or 2Gb mode using DP3–FCD4 or DP3–FCD42G. V5R2 is required for OS/400 for 2Gb support.

4. CopyPoint, TimeFinder, and RDF fail–over require 5568 patch 21139, 5670 requires patch 21139 (rev 5)

5. Minimum Engenuity for V4R5 5065.26.12, 5266.22.18, 5566.23.18, 5568.36.14A.

6. Can NOT use NEW RAID (PCI–X) controller (source) in fail over AND/OR CopyPoint to an old controller (PCI) target. New to new is supported and old to new is supported.

7. FC–HBA #2787 is supported V5R2 or higher

8. Primary Load Source: UHDA. Primary Load Source used for stand–alone or primary partition.

9. Secondary Load Source: UHDA. Secondary Load Source used for secondary partition in an expansion bus.

10. These systems can come with an SPD–bus in the base–system cabinet, but can also be configured with a "PCI–ONLY" Card–Cage. In the "PCI–ONLY" configuration, and SPD attachment and SPD Expansion Cabinet is required to attach the SCSI #6501 FWD HBA.

IBM TPF

Amdahl

Amdahl – IBM TPF						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Millennium: GS2000A, GS2000C, GS2000E, GS700	Mainframe Bus	IBM TPF 4.1	IBM BMC–Parallel ¹	BMC–Parallel	N
2	Millennium: GS2000A, GS2000C, GS2000E, GS700	Mainframe Bus	IBM TPF 4.1	IBM ESCON	ESCON	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

IBM

IBM – IBM TPF						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	ES/9000: 9020, 9121, 9221; S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM TPF 4.1	IBM BMC–Parallel	BMC–Parallel	N
2	z/series: z800–2066, z900–2064	Mainframe Bus	IBM TPF 4.1	IBM BMC–Parallel ¹	BMC–Parallel	N
3	ES/9000: 9020, 9121, 9221; S/390 parallel Enterprise Servers (G5 series) 9672–Rxx; z/series: z800–2066, z900–2064	Mainframe Bus	IBM TPF 4.1	IBM ESCON	ESCON	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

IBM TPF HPO

Amdahl

Amdahl – IBM TPF HPO						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Millennium: GS2000A, GS2000C, GS2000E, GS700	Mainframe Bus	IBM TPF HPO 4.1	IBM BMC–Parallel ¹	BMC–Parallel	N

Amdahl – IBM TPF HPO						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
2	Millennium: GS2000A, GS2000C, GS2000E, GS700	Mainframe Bus	IBM TPF HPO 4.1	IBM ESCON	ESCON	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

IBM

IBM – IBM TPF HPO						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM TPF HPO 4.1	IBM BMC–Parallel	BMC–Parallel	N
2	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM TPF HPO 4.1	IBM ESCON	ESCON	N

IBM VM/ESA Amdahl

Amdahl – IBM VM/ESA						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Millennium: GS2000A, GS2000C, GS2000E, GS700	Mainframe Bus	IBM VM/ESA: 2.2.0, 2.3, 2.4.0	IBM BMC–Parallel ¹	BMC–Parallel	N
2	Millennium: GS2000A, GS2000C, GS2000E, GS700	Mainframe Bus	IBM VM/ESA: 2.2.0, 2.3, 2.4.0	IBM ESCON	ESCON	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

IBM

IBM – IBM VM/ESA							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM VM/ESA 1.2.2	IBM BMC–Parallel	BMC–Parallel	N	
2	z/series z900–2064	Mainframe Bus	IBM VM/ESA 2.3	IBM BMC–Parallel ²	BMC–Parallel	N	
3	z/series z800–2066	Mainframe Bus	IBM VM/ESA: 1.2.2, 2.2.0, 2.3, 2.4.0	IBM BMC–Parallel ²	BMC–Parallel	N	See ¹
4	z/series z900–2064	Mainframe Bus	IBM VM/ESA: 1.2.2, 2.2.0, 2.4.0	IBM BMC–Parallel ²	BMC–Parallel	N	See ¹
5	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM VM/ESA: 1.2.2, 2.3	IBM BMC–Parallel	BMC–Parallel	N	See ¹
6	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM VM/ESA: 2.2.0, 2.4.0	IBM BMC–Parallel	BMC–Parallel	N	
7	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM VM/ESA 1.2.2	IBM ESCON	ESCON	N	
8	Multiprise 3000; z/series z900–2064	Mainframe Bus	IBM VM/ESA 2.3	IBM ESCON	ESCON	N	
9	z/series z800–2066	Mainframe Bus	IBM VM/ESA: 1.2.2, 2.2.0, 2.3, 2.4.0	IBM ESCON	ESCON	N	See ¹
10	z/series z900–2064	Mainframe Bus	IBM VM/ESA: 1.2.2, 2.2.0, 2.4.0	IBM ESCON	ESCON	N	See ¹
11	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM VM/ESA: 1.2.2, 2.3	IBM ESCON	ESCON	N	See ¹
12	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM VM/ESA: 2.2.0, 2.4.0	IBM ESCON	ESCON	N	

1. SuSE Linux AG kernel 2.2 / 2.4, TurboLinux kernel 2.2 / 2.4, and Red Hat kernel 2.2 / 2.4: support for Linux on Symmetrix is limited to basic I/O operations only. Control of Symmetrix features (i.e., SRDF, TF, Config Mgr) is not supported at this time. Linux is supported both in an LPAR and as a guest under VM/ESA.

2. Parallel channel attachment is only available on the Symmetrix 5000 series.

IBM VSE/ESA Amdahl

Amdahl – IBM VSE/ESA						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Millennium: GS2000A, GS2000C, GS2000E, GS700	Mainframe Bus	IBM VSE/ESA: 2.1.0, 2.2, 2.3.0, 2.4.0	IBM BMC–Parallel ¹	BMC–Parallel	N
2	Millennium: GS2000A, GS2000C, GS2000E, GS700	Mainframe Bus	IBM VSE/ESA: 2.1.0, 2.2, 2.3.0, 2.4.0	IBM ESCON	ESCON	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

IBM

IBM – IBM VSE/ESA							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM VSE/ESA 1.4	IBM BMC–Parallel	BMC–Parallel	N	See ¹
2	z/series: z800–2066, z900–2064	Mainframe Bus	IBM VSE/ESA 2.7	IBM BMC–Parallel ²	BMC–Parallel	N	
3	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM VSE/ESA: 1.4, 2.2, 2.7	IBM BMC–Parallel	BMC–Parallel	N	See ¹
4	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM VSE/ESA: 2.1.0, 2.3.0, 2.4.0	IBM BMC–Parallel	BMC–Parallel	N	
5	Multiprise 3000	Mainframe Bus	IBM VSE/ESA: 2.2, 2.7	IBM BMC–Parallel	BMC–Parallel	N	See ¹
6	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM VSE/ESA 1.4	IBM ESCON	ESCON	N	See ¹
7	z/series: z800–2066, z900–2064	Mainframe Bus	IBM VSE/ESA 2.7	IBM ESCON	ESCON	N	
8	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM VSE/ESA: 1.4, 2.2, 2.7	IBM ESCON	ESCON	N	See ¹
9	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM VSE/ESA: 2.1.0, 2.3.0, 2.4.0	IBM ESCON	ESCON	N	
10	Multiprise 3000	Mainframe Bus	IBM VSE/ESA: 2.2, 2.7	IBM ESCON	ESCON	N	See ¹

1. SuSE Linux AG kernel 2.2 / 2.4, TurboLinux kernel 2.2 / 2.4, and Red Hat kernel 2.2 / 2.4: support for Linux on Symmetrix is limited to basic I/O operations only. Control of Symmetrix features (i.e., SRDF, TF, Config Mgr) is not supported at this time. Linux is supported both in an LPAR and as a guest under VM/ESA.

2. Parallel channel attachment is only available on the Symmetrix 5000 series.

IBM z/OS

IBM

IBM – IBM z/OS						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM z/OS	IBM BMC–Parallel	BMC–Parallel	N
2	z/series: z800–2066, z900–2064	Mainframe Bus	IBM z/OS	IBM BMC–Parallel ¹	BMC–Parallel	N
3	z/series: z800–2066, z900–2064	Mainframe Bus	IBM z/OS 1.4	IBM BMC–Parallel	BMC–Parallel ¹	N
4	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM z/OS	IBM ESCON	ESCON	N
5	z/series: z800–2066, z900–2064	Mainframe Bus	IBM: z/OS, z/OS 1.4	IBM ESCON	ESCON	N
6	z/series z990	Mainframe Bus	IBM z/OS	IBM ESCON	ESCON ²	N
7	z/series: z800–2066, z900–2064	Mainframe Bus	IBM z/OS 1.4	IBM FICON	FICON	N
8	z/series z990	Mainframe Bus	IBM z/OS	IBM FICON	FICON ³	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.
2. Minimum Supported microcode revision 5568
3. Minimum supported microcode revision is 5568 with Enginuity–Pack before 4Q2003

IBM z/OS.e

IBM

IBM – IBM z/OS.e						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	z/series: z800–2066, z900–2064	Mainframe Bus	IBM z/OS.e 1.4	IBM BMC–Parallel	BMC–Parallel ¹	N
2	z/series: z800–2066, z900–2064	Mainframe Bus	IBM z/OS.e 1.4	IBM ESCON	ESCON	N
3	z/series: z800–2066, z900–2064	Mainframe Bus	IBM z/OS.e 1.4	IBM FICON	FICON	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

IBM z/VM

IBM

IBM – IBM z/VM						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM z/VM	IBM BMC–Parallel	BMC–Parallel	N
2	z/series: z800–2066, z900–2064	Mainframe Bus	IBM z/VM	IBM BMC–Parallel ¹	BMC–Parallel	N
3	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx; z/series: z800–2066, z900–2064	Mainframe Bus	IBM z/VM	IBM ESCON	ESCON	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

Microsoft Windows 2000

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiON non–disruptive upgrades for Windows systems booting from CLARiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

Bull

Bull – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800: 320La–R ¹³ , 320La ¹³ , 320Lb–R ¹³ , 320Lb ¹³ , 330Ma–R ¹³ , 330Mb–R ¹³ , 340Ha–R ¹³	PCI	Microsoft Windows 2000 Advanced Server: SP ² ¹ , SP ³ ¹	QLogic QLA2310F–E–SP ⁹ , ¹¹ , ¹²	FC–AL, FC–SW	N
2	Express 5800 140Ra4	PCI	Microsoft Windows 2000 Advanced Server: SP ² ¹ , SP ³ ¹ , SP ⁴ ¹ Microsoft Windows 2000 Server: SP ² ¹ , SP ³ ¹ , SP ⁴ ¹	Emulex: LP10000–E ⁵ , ²⁸ , ²⁹ , LP10000DC–E ⁵ , ²⁸ , ²⁹ , LP1050–E ⁵ , ²⁸ , ³⁰ , LP1050DC–E ⁵ , ²⁸ , ³⁰ , LP7000E–EMC ²¹ , ²² , ²³ , ²⁴ , LP8000–EMC ⁵ , ⁶ , LP850–EMC ⁵ , ⁷ , LP9002–E (LP9002L–E) ⁵ , ⁷ , ⁸ , ¹⁵ , ¹⁹ , LP9002DC–E ⁵ , ⁷ , ⁸ , ¹⁵ , ¹⁷ , ¹⁸ , LP9802–E ⁵ , ¹⁴ , ¹⁵ , ¹⁶ , LP9802DC–E ⁵ , ⁸ , ¹⁴ , ¹⁶ , LP982–E ⁵ , ¹⁴ , ¹⁵ , ¹⁶ . QLogic: QLA2200F–EMC, QLA2202F–EMC ²⁰ , QLA2300F–E–SP ⁸ , ⁹ , ¹⁰ , QLA2310F–E–SP ⁸ , ⁹ , ¹¹ , QLA2340–E–SP ⁸ , ⁹ , ¹¹ , QLA2342–E–SP ⁸ , ⁹ , ¹¹	FC–AL, FC–SW	Y
3	Express 5800: 120Md, 120Rc–2, 140Hb, 140Ra–7, 180Rb7, HX4600, MH4500	PCI	Microsoft Windows 2000 Advanced Server: SP ² ¹ , SP ³ ¹ , SP ⁴ ¹ Microsoft Windows 2000 Server: SP ² ¹ , SP ³ ¹ , SP ⁴ ¹	Emulex: LP10000–E ⁵ , ²⁸ , ²⁹ , LP10000DC–E ⁵ , ²⁸ , ²⁹ , LP1050–E ⁵ , ²⁸ , ³⁰ , LP1050DC–E ⁵ , ²⁸ , ³⁰ , LP7000E–EMC ²¹ , ²² , ²³ , ²⁴ , LP8000–EMC ⁵ , ⁶ , LP850–EMC ⁵ , ⁷ , LP9002–E (LP9002L–E) ⁵ , ⁷ , ⁸ , ¹⁵ , ¹⁷ , ¹⁸ , LP9802–E ⁵ , ⁸ , ¹⁴ , ¹⁵ , ¹⁶ , LP982–E ⁵ , ¹⁴ , ¹⁵ , ¹⁶ . QLogic: QLA2200F–EMC, QLA2202F–EMC ²⁰ , QLA2300F–E–SP ⁸ , ⁹ , ¹⁰ , QLA2310F–E–SP ⁸ , ⁹ , ¹¹ , QLA2340–E–SP ⁸ , ⁹ , ¹¹ , QLA2342–E–SP ⁸ , ⁹ , ¹¹	FC–AL, FC–SW	Y
4	Express 5800: 120Md, 120Ra4, 120Rc–2, 140Hb, 140Ra–7, 140Ra4	PCI	Microsoft Windows 2000 Advanced Server: SP ² ¹ , SP ³ ¹ , SP ⁴ ¹ Microsoft Windows 2000 Server: SP ² ¹ , SP ³ ¹ , SP ⁴ ¹	Adaptec: ASC–29160 ²⁵ , ²⁶ , ²⁷ , ASC–39160 ²⁵ , ²⁶ , ²⁷	U2 LVD	Y

Bull – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
5	Express 5800: 120Md, 120Rc-2, 140Hb, 140Ra-7, 140Ra4, HX4600, MH4500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec AHA-2944UW ^{2, 3, 4}	UWD	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- HBA BIOS is 2.20.
- Requires Legacy PCI slot (not available on most new servers.)**
- Driver Version 2.12s4.
- Driver Version 2.21a7.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Firmware Version 3.90a7.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.1.20.
- Driver Version 8.2.3.21.
- Qlogic SANSurfer/SANBlade Manager is not supported.
- Bus Enumeration Issue Causes Problems using SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.

By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.

The workaround is to perform "symcfg discover" after rebooting.

- Firmware Version 1.01a2.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.

- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- SNIA API Supported.
- Driver/Firmware available at <http://www.emulex.com>
- Firmware Version 3.30a7.
- Driver Version 2.13a4.
- Driver Version 4.10.4002 set v1.02. (Native on Windows 2000 Installation CD-ROM)
- Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3-U2SD4L).
- HBA BIOS is 3.10.0.
- Firmware Version 1.80a3.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

DG

DG – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	AViiON: AV1400 ⁴ , AV2300 ⁴ , AV2700 ⁴ , AV2800 ⁴ , AV3600 ⁴ , AV3700 ⁴ , AV3704, AV3704R ⁴ , AV3800 ⁴ , AV8700 ⁴ , AV8900 ⁴ , AV8950R ⁴ , AV8950 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC ¹⁰	FC-AL	Y
2	AViiON AV8950R ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹	Emulex: LP10000-E ^{7, 26, 27} , LP10000DC-E ^{7, 26, 27} , LP1050-E ^{7, 27, 29} , LP1050DC-E ^{7, 27, 29} , LP9802-E ^{7, 23, 24} , LP9802DC-E ^{7, 11, 23, 24}	FC-AL, FC-SW	Y
3	AViiON: AV1400, AV2800	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP9002-E: (LP9002L-E) ⁷ , (LP9002L-E) ^{7, 9, 11, 19, 25, 28} ; QLogic: QLA2300F-E-SP ^{11, 12, 13} , QLA2310F-E-SP ^{11, 12, 17} , QLA2340-E-SP ^{11, 12, 17} , QLA2342-E-SP ^{11, 12, 17}	FC-AL, FC-SW	Y
4	AViiON AV8950R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP982-E ^{7, 24, 25} ; QLogic: QLA2300F-E-SP ^{11, 12, 13} , QLA2310F-E-SP ^{11, 12, 17} , QLA2340-E-SP ^{11, 12, 17} , QLA2342-E-SP ^{11, 12, 17}	FC-AL, FC-SW	Y
5	AViiON AV8600	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{2, 3, 5, 6} , LP8000-EMC ^{7, 8, 19} , LP850-EMC ^{7, 9} ; QLogic: QLA2200F-EMC, QLA2202F-EMC ¹⁰ , QLA2300F-E-SP ^{11, 12, 13} , QLA2310F-E-SP ^{11, 12, 17} , QLA2340-E-SP ^{11, 12, 17, 18} , QLA2342-E-SP ^{11, 12, 17, 18}	FC-AL, FC-SW	Y
6	AViiON: AV1400 ⁴ , AV2300 ⁴ , AV2700 ⁴ , AV2800 ⁴ , AV3600 ⁴ , AV3704R ⁴ , AV3800 ⁴ , AV8700 ⁴ , AV8900 ⁴ , AV8950R ⁴ , AV8950 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{2, 3, 5, 6} , LP8000-EMC ^{7, 8} , LP850-EMC ^{7, 9} ; QLogic QLA2202F-EMC ¹⁰	FC-AL, FC-SW	Y
7	AViiON AV3700 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{2, 3, 5, 6} , LP8000-EMC ^{7, 8} , LP850-EMC ^{7, 9} ; QLogic: QLA2202F-EMC ¹⁰ , QLA2300F-E-SP ^{11, 12, 13}	FC-AL, FC-SW	Y

DG – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
8	AViiON AV3704	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{2, 3, 5, 6} , LP8000-EMC ^{7, 8} , LP850-EMC ^{7, 9} ; QLogic: QLA2202F-EMC ¹⁰ , QLA2300F-E-SP ^{11, 12, 13} , QLA2310F-E-SP ^{11, 12, 17} , QLA2340-E-SP ^{11, 12, 17} , QLA2342-E-SP ^{11, 12, 17}	FC-AL, FC-SW	Y
9	AViiON AV3750	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic: QLA2202F-EMC ¹⁰ , QLA2300F-E-SP ^{11, 12, 13} , QLA2310F-E-SP ^{11, 12, 17} , QLA2340-E-SP ^{11, 12, 17} , QLA2342-E-SP ^{11, 12, 17}	FC-AL, FC-SW	Y
10	AViiON AV8950	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic: QLA2300F-E-SP ^{11, 12, 13} , QLA2310F-E-SP ^{11, 12, 17} , QLA2340-E-SP ^{11, 12, 17, 18} , QLA2342-E-SP ^{11, 12, 17, 18}	FC-AL, FC-SW	Y
11	AViiON: AV3704R, AV3800, AV8900	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic: QLA2300F-E-SP ^{11, 12, 13} , QLA2310F-E-SP ^{11, 12, 17} , QLA2340-E-SP ^{11, 12, 17} , QLA2342-E-SP ^{11, 12, 17}	FC-AL, FC-SW	Y
12	AViiON: AV2300, AV2700, AV3600, AV8700	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic: QLA2300F-E-SP ^{11, 12, 13} , QLA2310F-E-SP ^{12, 17} , QLA2340-E-SP ^{11, 12, 17, 18} , QLA2342-E-SP ^{11, 12, 17, 18}	FC-AL, FC-SW	Y
13	AViiON AV3700	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic: QLA2310F-E-SP ^{12, 17} , QLA2340-E-SP ^{11, 12, 17, 18} , QLA2342-E-SP ^{11, 12, 17, 18}	FC-AL, FC-SW	Y
14	AViiON: AV1400, AV2300, AV2700, AV2800, AV3600, AV3700, AV3704, AV3704R, AV3800, AV8700, AV8900, AV8950	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{7, 26, 27} , LP10000DC-E ^{7, 26, 27} , LP1050-E ^{7, 27, 29} , LP1050DC-E ^{7, 27, 29}	FC-AL, FC-SW	Y
15	AViiON AV8950R	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{7, 26, 27} , LP10000DC-E ^{7, 26, 27} , LP1050-E ^{7, 27, 29} , LP1050DC-E ^{7, 27, 29} , LP9802-E ^{7, 23, 24} , LP9802DC-E ^{7, 11, 23, 24}	FC-AL, FC-SW	Y
16	AViiON: AV2300, AV2700, AV2800, AV3600, AV3700, AV3704R, AV8600, AV8700, AV8900, AV8950	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec: ASC-29160 ^{20, 21, 22} , ASC-39160 ^{20, 21, 22}	U2 LVD	Y
17	AViiON AV8950	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec AHA-2944UW ^{14, 15, 16}	UWD	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- SNIA API Supported.
- Driver/Firmware available at <http://www.emulex.com>
- Data General servers that are rack-mountable (designated with an "R") are supported.
- Driver Version 2.13a4.
- Firmware Version 3.30a7.
- Driver Version 2.21a7.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Firmware Version 3.90a7.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.1.20.
- Driver Version 2.12s4.
- HBA BIOS is 2.20.
- Requires Legacy PCI slot (not available on most new servers.)**
- Driver Version 8.2.3.21.
- Qlogic SANSurfer/SANBlade Manager is not supported.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3-U2SD4L).
- HBA BIOS is 3.10.0.
- Driver Version 4.10.4002 set v1.02. (Native on Windows 2000 Installation CD-ROM)
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 1.80a3.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

Dell

Dell – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge 1550 ³	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC ²	FC-AL	Y	
2	PowerVault: 750N, 755N, 770N, 775N	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	Emulex: LP10000-E ^{10, 30, 31} , LP10000DC-E ^{10, 30, 31} , LP1050-E ^{10, 31, 33} , LP1050DC-E ^{10, 31, 33}	FC-AL, FC-SW	Y	
3	PowerVault: 750N, 755N	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{4, 6, 7, 8} , LP8000-EMC ^{9, 10, 16} , LP850-EMC ^{10, 11, 16} , LP9002-E (LP9002L-E) ^{10, 11, 17} , LP9002DC-E ^{10, 11, 16, 17, 18, 19} , LP9802-E ^{10, 17, 18, 23, 24} , LP9802DC-E ^{10, 17, 23, 24} , LP982-E ^{10, 17, 18, 23, 24} ; QLogic: QLA2200F-EMC ² , QLA2202F-EMC ² , QLA2300F-E-SP ^{17, 20, 22} , QLA2310F-E-SP ^{17, 20, 21} , QLA2340-E-SP ^{17, 20, 21} , QLA2342-E-SP ^{17, 20, 21}	FC-AL, FC-SW	Y	
4	PowerVault: 770N, 775N	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{4, 6, 7, 8} , LP8000-EMC ^{9, 10, 16} , LP850-EMC ^{10, 11, 16} , LP9802-E ^{10, 17, 18, 23, 24} , LP9802DC-E ^{10, 17, 23, 24} , LP982-E ^{10, 17, 18, 23, 24} ; QLogic QLA2200F-EMC ²	FC-AL, FC-SW	Y	
5	PowerEdge 6350	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP9002-E (LP9002L-E) ^{10, 11, 16, 18, 25} , LP9002DC-E ^{10, 11, 16, 17, 18, 19} , LP9802-E ^{10, 17, 18, 23, 24} , LP9802DC-E ^{10, 17, 23, 24} , LP982-E ^{10, 17, 18, 23, 24}	FC-AL, FC-SW	Y	
6	PowerEdge 6300	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP9002-E (LP9002L-E) ^{10, 11, 16, 18, 25} , LP9002DC-E ^{10, 11, 16, 17, 18, 19} , LP9802DC-E ^{10, 17, 23, 24} , LP982-E ^{10, 17, 18, 23, 24}	FC-AL, FC-SW	Y	
7	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP9802-E ^{10, 17, 18, 23, 24} , LP982-E ^{10, 17, 18, 23, 24}	FC-AL, FC-SW	Y	
8	PowerEdge 8450 ³	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{9, 10} ; QLogic: QLA2200F-EMC ² , QLA2300F-E-SP ^{17, 20, 22}	FC-AL, FC-SW	Y	
9	PowerEdge 6350	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 30, 31} , LP10000DC-E ^{10, 30, 31} , LP1050-E ^{10, 31, 33} , LP1050DC-E ^{10, 31, 33}	FC-AL, FC-SW	Y	
10	PowerEdge 1550 ³	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 30, 31} , LP10000DC-E ^{10, 30, 31} , LP1050-E ^{10, 31, 33} , LP1050DC-E ^{10, 31, 33} , LP7000E-EMC ^{4, 5, 6, 7, 8} , LP8000-EMC ^{9, 10} , LP850-EMC ^{5, 10, 11} , LP9002-E (LP9002L-E) ^{10, 11, 16, 17} , LP9002DC-E ^{10, 11, 16, 17, 18, 19} , LP9802-E ^{10, 18, 23, 24} , LP9802DC-E ^{10, 17, 23, 24} , LP982-E ^{10, 18, 23, 24} ; QLogic: QLA2202F-EMC ² , QLA2300F-E-SP ^{17, 20, 22} , QLA2310F-E-SP ^{17, 20, 21} , QLA2340-E-SP ^{17, 20, 21} , QLA2342-E-SP ^{17, 20, 21}	FC-AL, FC-SW	Y	
11	PowerEdge: 2400 ³ , 2450 ³ , 2500 ³ , 2550 ³ , 4400 ³ , 6400 ³ , 6450 ³	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 30, 31} , LP10000DC-E ^{10, 30, 31} , LP1050-E ^{10, 31, 33} , LP1050DC-E ^{10, 31, 33} , LP7000E-EMC ^{4, 5, 6, 7, 8} , LP8000-EMC ^{9, 10} , LP850-EMC ^{5, 10, 11} , LP9002-E (LP9002L-E) ^{10, 11, 17} , LP9002DC-E ^{10, 11, 16, 17, 18, 19} , LP9802-E ^{10, 18, 23, 24} , LP9802DC-E ^{10, 17, 23, 24} , LP982-E ^{10, 18, 23, 24} ; QLogic: QLA2200F-EMC ² , QLA2202F-EMC ² , QLA2300F-E-SP ^{17, 20, 22} , QLA2310F-E-SP ^{17, 20, 21} , QLA2340-E-SP ^{17, 20, 21} , QLA2342-E-SP ^{17, 20, 21}	FC-AL, FC-SW	Y	
12	PowerEdge 1650 ³	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 30, 31} , LP10000DC-E ^{10, 30, 31} , LP1050-E ^{10, 31, 33} , LP1050DC-E ^{10, 31, 33} , LP7000E-EMC ^{4, 6, 7, 8} , LP8000-EMC ^{9, 10, 16} , LP850-EMC ^{10, 11, 16} , LP9002-E (LP9002L-E) ^{10, 11, 17} , LP9002DC-E ^{10, 11, 16, 17, 18, 19} , LP9802-E ^{10, 18, 23, 24} , LP9802DC-E ^{10, 17, 23, 24} , LP982-E ^{10, 18, 23, 24} ; QLogic: QLA2200F-EMC ² , QLA2202F-EMC ² , QLA2300F-E-SP ^{17, 20, 22} , QLA2310F-E-SP ^{17, 20, 21} , QLA2340-E-SP ^{17, 20, 21} , QLA2342-E-SP ^{17, 20, 21}	FC-AL, FC-SW	Y	
13	PowerEdge 6300	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 30, 31} , LP10000DC-E ^{10, 30, 31} , LP1050-E ^{10, 31, 33} , LP1050DC-E ^{10, 31, 33} , LP9802-E ^{10, 17, 18, 23, 24}	FC-AL, FC-SW	Y	
14	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 30, 31} , LP10000DC-E ^{10, 30, 31} , LP1050-E ^{10, 31, 33} , LP1050DC-E ^{10, 31, 33} , LP9802DC-E ^{10, 17, 23, 24}	FC-AL, FC-SW	Y	
15	PowerEdge: 4300 ³ , 4350	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{4, 5, 6, 7, 8} , LP8000-EMC ^{9, 10} , LP850-EMC ^{5, 10, 11} ; QLogic: QLA2200F-EMC ² , QLA2202F-EMC ²	FC-AL, FC-SW	Y	
16	PowerEdge: 2300 ³ , 6100 ³ , 6300 ³ , 6350 ³	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{4, 5, 6, 7, 8} , LP8000-EMC ^{9, 10} , LP850-EMC ^{5, 10, 11} ; QLogic: QLA2200F-EMC ² , QLA2202F-EMC ² , QLA2300F-E-SP ^{17, 20, 22} , QLA2310F-E-SP ^{17, 20, 21} , QLA2340-E-SP ^{17, 20, 21} , QLA2342-E-SP ^{17, 20, 21}	FC-AL, FC-SW	Y	

Dell – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
17	PowerVault: 770N, 775N	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP9002-E (LP9002L-E) ^{10, 11, 17} , LP9002DC-E ^{10, 11, 16, 17, 18, 19} ; QLogic: QLA2202F-EMC ² , QLA2300F-E-SP ^{17, 20, 22} , QLA2310F-E-SP ^{17, 20, 21} , QLA2340-E-SP ^{17, 20, 21} , QLA2342-E-SP ^{17, 20, 21}	FC-AL, FC-SW	Y	
18	PowerEdge 8450 ³	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP7000E-EMC ^{4, 5, 6, 7, 8} , LP850-EMC ^{5, 10, 11} , LP9002-E (LP9002L-E) ^{10, 11, 17} , LP9002DC-E ^{10, 11, 16, 17, 18, 19} ; QLogic: QLA2202F-EMC ² , QLA2310F-E-SP ^{17, 20, 21} , QLA2340-E-SP ^{17, 20, 21} , QLA2342-E-SP ^{17, 20, 21}	FC-AL, FC-SW	Y	
19	PowerEdge 2600 ³	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	Emulex: LP9002-E (LP9002L-E) ^{10, 11, 17} , LP9002DC-E ^{10, 11, 16, 17, 18, 19} ; QLogic QLA2202F-EMC ²	FC-AL, FC-SW	Y	
20	PowerEdge: 2300, 6100; PowerVault: 750N ³² , 755N ³² , 770N ³² , 775N ³²	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 30, 31} , LP10000DC-E ^{10, 30, 31} , LP1050-E ^{10, 31, 33} , LP1050DC-E ^{10, 31, 33}	FC-AL, FC-SW	Y	
21	PowerEdge 8450	PCI	Microsoft Windows 2000 Datacenter SP2 ¹	QLogic QLA2342-E-SP2 ¹	FC-AL, FC-SW	Y	
22	PowerEdge 8450 ³	PCI	Microsoft Windows 2000 Datacenter SP3 ¹	QLogic QLA2342-E-SP2 ¹	FC-AL, FC-SW	Y	
23	PowerEdge 8450 ³	PCI	Microsoft Windows 2000 Datacenter SP4 ¹	Emulex: LP9802-E ^{10, 17, 18, 23, 24} , LP982-E ^{10, 17, 18, 23, 24}	FC-AL, FC-SW	Y	
24	PowerEdge 8450 ³	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	Emulex: LP9802-E ^{10, 23, 24} , LP982-E ^{10, 18, 23} ; QLogic QLA2340-E-SP ^{20, 21}	FC-AL, FC-SW	Y	
25	PowerEdge 8450 ³	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 30, 31} , LP10000DC-E ^{10, 30, 31} , LP1050-E ^{10, 31, 33} , LP1050DC-E ^{10, 31, 33} , LP9802DC-E ^{10, 17, 23, 24}	FC-AL, FC-SW	Y	
26	PowerEdge 8450	PCI	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP9802-E ^{10, 23, 24} , LP982-E ^{10, 18, 23}	FC-AL, FC-SW	Y	
27	PowerEdge 2600 ³	PCI-X	Microsoft Windows 2000 Advanced Server SP2 ¹	Emulex: LP9802-E ^{10, 17, 18, 23, 24} , LP982-E ^{10, 17, 18, 23, 24}	FC-AL, FC-SW	Y	
28	PowerEdge 2600	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP9802DC-E ^{10, 17, 23, 24}	FC-AL, FC-SW	Y	
29	PowerEdge 2650	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{9, 10, 16} ; QLogic: QLA2200F-EMC ² , QLA2202F-EMC ²	FC-AL, FC-SW	Y	
30	PowerEdge 6650 ³	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 30, 31} , LP10000DC-E ^{10, 30, 31} , LP1050-E ^{10, 31, 33} , LP1050DC-E ^{10, 31, 33} , LP7000E-EMC ^{4, 5, 6, 7, 8} , LP8000-EMC ^{9, 10, 16} , LP850-EMC ^{9, 10, 11, 16} , LP9002-E (LP9002L-E) ^{10, 11, 17} , LP9002DC-E ^{10, 11, 16, 17, 18, 19} , LP9802-E ^{10, 18, 23, 24} , LP9802DC-E ^{10, 17, 23, 24} , LP982-E ^{10, 18, 23, 24} ; QLogic: QLA2200F-EMC ² , QLA2202F-EMC ² , QLA2300F-E-SP ^{17, 20, 22} , QLA2310F-E-SP ^{17, 20, 21} , QLA2340-E-SP ^{17, 20, 21} , QLA2342-E-SP ^{17, 20, 21}	FC-AL, FC-SW	Y	
31	PowerEdge 6600 ³	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 30, 31} , LP10000DC-E ^{10, 30, 31} , LP1050-E ^{10, 31, 33} , LP1050DC-E ^{10, 31, 33} , LP7000E-EMC ^{4, 5, 6, 7, 8} , LP8000-EMC ^{9, 10, 16} , LP850-EMC ^{9, 10, 11} , LP9002-E (LP9002L-E) ^{10, 11, 17} , LP9002DC-E ^{10, 11, 16, 17, 18, 19} , LP9802-E ^{10, 18, 23, 24} , LP9802DC-E ^{10, 17, 23, 24} , LP982-E ^{10, 18, 23, 24} ; QLogic: QLA2200F-EMC ² , QLA2202F-EMC ² , QLA2300F-E-SP ^{17, 20, 22} , QLA2310F-E-SP ^{17, 20, 21} , QLA2340-E-SP ^{17, 20, 21} , QLA2342-E-SP ^{17, 20, 21}	FC-AL, FC-SW	Y	
32	PowerEdge: 1750, 4600 ³	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 30, 31} , LP10000DC-E ^{10, 30, 31} , LP1050-E ^{10, 31, 33} , LP1050DC-E ^{10, 31, 33} , LP7000E-EMC ^{4, 5, 6, 7, 8} , LP8000-EMC ^{9, 10, 16} , LP850-EMC ^{10, 11, 16} , LP9002-E (LP9002L-E) ^{10, 11, 17} , LP9002DC-E ^{10, 11, 16, 17, 18, 19} , LP9802-E ^{10, 18, 23, 24} , LP9802DC-E ^{10, 17, 23, 24} , LP982-E ^{10, 18, 23, 24} ; QLogic: QLA2200F-EMC ² , QLA2202F-EMC ² , QLA2300F-E-SP ^{17, 20, 22} , QLA2310F-E-SP ^{17, 20, 21} , QLA2340-E-SP ^{17, 20, 21} , QLA2342-E-SP ^{17, 20, 21}	FC-AL, FC-SW	Y	
33	PowerEdge 2650 ³	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 30, 31} , LP10000DC-E ^{10, 30, 31} , LP1050-E ^{10, 31, 33} , LP1050DC-E ^{10, 31, 33} , LP9002-E (LP9002L-E) ^{10, 11, 17} , LP9002DC-E ^{10, 11, 16, 17, 18, 19} , LP9802-E ^{10, 18, 23, 24} , LP9802DC-E ^{10, 17, 23, 24} , LP982-E ^{10, 18, 23, 24} ; QLogic: QLA2300F-E-SP ^{17, 20, 22} , QLA2310F-E-SP ^{17, 20, 21} , QLA2340-E-SP ^{17, 20, 21} , QLA2342-E-SP ^{17, 20, 21}	FC-AL, FC-SW	Y	
34	PowerEdge 2600	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 30, 31} , LP10000DC-E ^{10, 30, 31} , LP1050-E ^{10, 31, 33} , LP1050DC-E ^{10, 31, 33} , LP7000E-EMC ^{4, 5, 6, 7, 8} , LP8000-EMC ^{9, 10, 16} , LP850-EMC ^{10, 11, 16} , LP9802-E ^{10, 17, 18, 23, 24} , LP982-E ^{10, 17, 18, 23, 24} ; QLogic: QLA2200F-EMC ² , QLA2300F-E-SP ^{17, 20, 22} , QLA2310F-E-SP ^{17, 20, 21} , QLA2340-E-SP ^{17, 20, 21} , QLA2342-E-SP ^{17, 20, 21}	FC-AL, FC-SW	Y	
35	PowerEdge 2600	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	Emulex: LP9002-E (LP9002L-E) ^{10, 11, 17} , LP9002DC-E ^{10, 11, 16, 17, 18, 19} ; QLogic QLA2202F-EMC ²	FC-AL, FC-SW	Y	See ²⁶
36	PowerEdge 2650	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 30, 31} , LP10000DC-E ^{10, 30, 31} , LP1050-E ^{10, 31, 33} , LP1050DC-E ^{10, 31, 33}	FC-AL, FC-SW	Y	
37	PowerEdge 2600 ³	PCI-X	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP9802-E ^{10, 18, 23, 24} , LP9802DC-E ^{10, 17, 23, 24} , LP982-E ^{10, 18, 23, 24}	FC-AL, FC-SW	Y	

Dell – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
38	PowerEdge 2600 ³	PCI-X	Microsoft Windows 2000: Advanced Server SP2¹, Server SP2¹, Server SP3¹, Server SP4¹	Emulex: LP10000-E ^{10, 30, 31} , LP10000DC-E ^{10, 30, 31} , LP1050-E ^{10, 31, 33} , LP1050DC-E ^{10, 31, 33} , LP7000E-EMC ^{4, 5, 6, 7, 8} , LP8000-EMC ^{9, 10} , LP850-EMC ^{5, 10, 11} , LP9002-E (LP9002L-E) ^{10, 11, 17} , LP9002DC-E ^{10, 11, 16, 17, 18, 19} , QLogic: QLA2200F-EMC ² , QLA2202F-EMC ² , QLA2300F-E-SP ^{17, 20, 22} , QLA2310F-E-SP ^{17, 20, 21} , QLA2340-E-SP ^{17, 20, 21} , QLA2342-E-SP ^{17, 20, 21}	FC-AL, FC-SW	Y	
39	PowerEdge: 2300, 2400, 2450, 2500 , 4400, 6100, 6300, 6350, 6400, 6450	PCI	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Adaptec: ASC-29160 ^{27, 28, 29} , ASC-39160 ^{27, 28, 29}	U2 LVD	Y	
40	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹; Microsoft Windows 2000: Datacenter SP4¹, Server SP2¹, Server SP3¹, Server SP4¹	Adaptec: ASC-29160 ^{27, 28, 29} , ASC-39160 ^{27, 28, 29}	U2 LVD	Y	
41	PowerEdge: 4600, 6600, 6650	PCI-X	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Adaptec: ASC-29160 ^{27, 28, 29} , ASC-39160 ^{27, 28, 29}	U2 LVD	Y	
42	PowerEdge 6650 ³	PCI-X	Microsoft Windows 2000 Advanced Server: SP3¹, SP4¹; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Adaptec ASC-29160 ^{27, 28, 29}	U2 LVD	Y	
43	PowerEdge: 2300, 2400, 2450, 2500 , 4300, 4350, 4400, 6100, 6300, 6350, 6400, 6450	PCI	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Adaptec AHA-2944UW^{13, 14, 15}	UWD	Y	
44	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹; Microsoft Windows 2000: Datacenter SP4¹, Server SP2¹, Server SP3¹, Server SP4¹	Adaptec AHA-2944UW^{13, 14, 15}	UWD	Y	
45	PowerEdge: 4600, 6600, 6650	PCI-X	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Adaptec AHA-2944UW^{13, 14, 15}	UWD	Y	

- EMC recommends that HBAs of different vendors not be used in the same host server.
 - Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
 - If using Dell PERC Controller, requires PERC 3 with OpenManager 3.0 and Array Manager 3.1. The afamgt.sys must be version 2.6.0.3486 (or above)..
 - SNIA API Supported.
 - Not supported with the HP NetServer LC-2000.
 - Driver/Firmware available at <http://www.emulex.com>
 - Driver Version 2.13a4.
 - Firmware Version 3.30a7.
 - The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
 - Driver Version 2.21a7.
 - Firmware Version 3.90a7.
 - PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
 - HBA BIOS is 2.20.
 - Requires Legacy PCI slot (not available on most new servers.)**
 - Driver Version 2.12s4.
 - Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
 - QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
 - The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
 - Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.
- NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
 - Driver Version 8.2.3.21.
 - Driver Version 8.2.1.20.
 - Firmware Version 1.01a2.
 - Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
 - The LP9002-E now ships with the LP9002L-E low profile adapter.
 - Linux v2.4.x Kernels support a maximum of 128 devices per system.
 - Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3-U2SD4L).
 - HBA BIOS is 3.10.0.
 - Driver Version 4.10.4002 set v1.02. (Native on Windows 2000 Installation CD-ROM)
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
 - Firmware Version 1.80a3.
 - Not supported with Emulex LP8000-EMC HBA.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

Fuji Serv (ICL)

Fuji Serv (ICL) – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Trimetra Nova	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000–EMC ^{7, 8}	FC–AL, FC–SW	Y	
2	DL	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2202F–EMC ⁹	FC–AL, FC–SW	Y	
3	Trimetra Nova	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2202F–EMC ⁹	FC–AL, FC–SW	Y	See ⁵
4	Trimetra P2000	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic: QLA2200F–EMC, QLA2202F–EMC ⁹	FC–AL, FC–SW	Y	
5	Trimetra Nova	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000–E ^{8, 10, 11} , LP10000DC–E ^{8, 10, 11} , LP1050–E ^{8, 10, 12} , LP1050DC–E ^{8, 10, 12}	FC–AL, FC–SW	Y	
6	Trimetra P2000	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec AHA–2944UW ^{2, 3, 4}	UWD	Y	
7	Trimetra Nova	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec AHA–3944AUWD ^{2, 6}	UWD	Y	See ⁵

- EMC recommends that HBAs of different vendors not be used in the same host server.
- HBA BIOS is 2.20.
- Requires Legacy PCI slot (not available on most new servers.)**
- Driver Version 2.12s4.
- EMC requires and supports only one port of the dual-channel adapter.
- Driver Version 2.20b. (Native on Windows 2000 Installation CD–ROM)
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- Driver Version 2.21a7.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Firmware Version 1.80a3.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

Fujitsu Siemens

Fujitsu Siemens – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	
1	Primergy: F200, H200, H400, K400, L200, N400, P200, P250, R450	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	Emulex LP9802–E ^{6, 11, 14, 15}	FC–AL, FC–SW	Y	
2	Primergy: B210, C200, E200, N200	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	Emulex LP9802–E ^{6, 14, 15}	FC–AL, FC–SW	Y	
3	Primergy T850	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP7000E–EMC ^{16, 17, 18, 19}	FC–AL, FC–SW	Y	
4	Primergy: B210, C200, E200, N200	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000–EMC ^{5, 6} , QLogic QLA2202F–EMC ²⁰	FC–AL, FC–SW	Y	
5	Primergy: N800, T850	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000–EMC ^{5, 6, 12} , LP9002–E (LP9002L–E) ^{6, 9, 10} , LP9802–E ^{6, 11, 14, 15} , QLogic QLA2202F–EMC ²⁰	FC–AL, FC–SW	Y	
6	Primergy R450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000–EMC ^{5, 6, 12} , LP9002–E (LP9002L–E) ^{6, 9, 10} , QLogic QLA2202F–EMC ²⁰	FC–AL, FC–SW	Y	
7	Primergy RX100	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000–EMC ^{5, 6} , LP9002–E (LP9002L–E) ^{6, 9, 10} , LP9802–E ^{6, 11, 14, 15} , QLogic QLA2202F–EMC ²⁰	FC–AL, FC–SW	Y	
8	Primergy: F200, H200, H400, K400, L200, N400, P200, P250	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000–EMC ^{5, 6} , LP9002–E (LP9002L–E) ^{6, 9, 10} , QLogic QLA2202F–EMC ²⁰	FC–AL, FC–SW	Y	
9	GranPower 5000 380; Primergy 700	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2202F–EMC ²⁰	FC–AL, FC–SW	Y	
10	Primergy: B210, C200, E200, N200	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	Emulex LP9002–E (LP9002L–E) ^{6, 9, 10}	FC–AL, FC–SW	Y	
11	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP9802–E ^{6, 10, 11, 12, 14, 15}	FC–AL, FC–SW	Y	

Fujitsu Siemens – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
12	Primergy: B210, C200, E200, N200	PCI	Microsoft Windows 2000: Advanced Server SP2¹, Server SP2¹, Server SP3¹, Server SP4¹	Emulex LP9002-E (LP9002L-E) ^{6, 9}	FC-AL, FC-SW	Y
13	Primergy: H250 ⁸ , N800	PCI-X	Microsoft Windows 2000 Advanced Server: SP2¹	Emulex LP9802-E ^{6, 11, 14, 15}	FC-AL, FC-SW	Y
14	Primergy H450	PCI-X	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹	Emulex LP7000E-EMC ^{16, 17, 18, 19}	FC-AL, FC-SW	Y
15	Primergy F250 ⁸	PCI-X	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹	Emulex LP7000E-EMC ^{16, 17, 18, 19} , QLogic: QLA2200F-EMC ²⁰ , QLA2200F-EMC ^{20, 24} , QLA2300F-E-SP ^{10, 21, 22} , QLA2310F-E-SP ^{10, 21, 23} , QLA2340-E-SP ^{10, 21, 23} , QLA2342-E-SP ^{10, 21, 23}	FC-AL, FC-SW	Y
16	Primergy N800	PCI-X	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Emulex LP8000-EMC ^{5, 6, 12} , QLogic QLA2202F-EMC ²⁰	FC-AL, FC-SW	Y
17	Primergy: RX200, RX300, TX200, TX300	PCI-X	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Emulex: LP8000-EMC^{5, 6, 12}, LP9002-E (LP9002L-E)^{6, 9, 10}, LP9802-E^{6, 11, 14, 15} ; QLogic QLA2202F-EMC ²⁰	FC-AL, FC-SW	Y
18	Primergy H250 ⁸	PCI-X	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Emulex: LP8000-EMC^{5, 6}, LP9002-E (LP9002L-E)^{6, 9, 10}, LP9002DC-E^{6, 9, 10, 11, 12, 13} ; QLogic QLA2202F-EMC ²⁰	FC-AL, FC-SW	Y
19	Primergy H450	PCI-X	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Emulex: LP8000-EMC^{5, 6}, LP9002-E (LP9002L-E)^{6, 9, 10}, LP9802-E^{6, 11, 14, 15} ; QLogic QLA2202F-EMC ²⁰	FC-AL, FC-SW	Y
20	Primergy: F250 ⁸ , R450, T850	PCI-X	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Emulex: LP9002-E (LP9002L-E)^{6, 9, 10}, LP9802-E^{6, 11, 14, 15} ; QLogic QLA2202F-EMC ²⁰	FC-AL, FC-SW	Y
21	Primergy: F250 ⁸ , H450	PCI-X	Microsoft Windows 2000 Advanced Server: SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Emulex LP8000-EMC ^{5, 6, 9, 25}	FC-AL, FC-SW	Y
22	Primergy: H250 ⁸ , N800	PCI-X	Microsoft Windows 2000 Advanced Server: SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Emulex LP9802-E ^{6, 10, 11, 12, 14, 15}	FC-AL, FC-SW	Y
23	Primergy F250 ⁸	PCI-X	Microsoft Windows 2000: Advanced Server SP3¹, Server SP4¹	Emulex LP8000-EMC ^{5, 6}	FC-AL, FC-SW	Y
24	Primergy: RX600, RX800, TX600	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Emulex: LP8000-EMC^{5, 6, 12}, LP9002-E (LP9002L-E)^{6, 9, 10}, LP9802-E^{6, 11, 14, 15} ; QLogic QLA2202F-EMC ²⁰	FC-AL, FC-SW	Y
25	Primergy F250 ⁸	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹	Emulex LP8000-EMC ^{5, 6}	FC-AL, FC-SW	Y
26	Primergy R450	PCI, PCI-X	Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Emulex LP8000-EMC ^{5, 6} , QLogic QLA2202F-EMC ²⁰	FC-AL, FC-SW	Y
27	GranPower 5000 380; Primergy: B210, C200, E200, H400, K400, N200, N400	PCI	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Adaptec AHA-2944UW ^{2, 3, 4}	UWD	Y
28	Primergy 700	PCI	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Adaptec AHA-2944UW ^{2, 3, 7}	UWD	Y
29	Primergy: H250 ⁸ , H450	PCI-X	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Adaptec AHA-2944UW ^{2, 3, 7}	UWD	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- HBA BIOS is 2.20.
- Requires Legacy PCI slot (not available on most new servers.)**
- Driver Version 2.20b. (Native on Windows 2000 Installation CD-ROM)
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Driver Version 2.21a7.
- Driver Version 2.12s4.
- Must use standard PCI 32bit/33MHz slot for SCSI
- Firmware Version 3.90a7.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.

- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- SNIA API Supported.
- Driver/Firmware available at <http://www.emulex.com>
- Driver Version 2.13a4.
- Firmware Version 3.30a7.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.

22. Driver Version 8.2.1.20.
 23. Driver Version 8.2.3.21.
 24. Driver Version 8.1.5.20.
 25. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.

HPQ

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Proliant DL580 ⁷	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	Emulex LP9002-E (LP9002L-E) ^{13, 16, 17, 18}	FC-AL, FC-SW	Y
2	Proliant DL360(G2) ⁷	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49}	FC-AL, FC-SW	Y
3	Proliant 8000 Pro	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{21, 22, 23, 24} , LP8000-EMC ^{16, 18, 25} , LP850-EMC ^{16, 17, 18} ; QLogic QLA2200F-EMC ²⁰	FC-AL, FC-SW	Y
4	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP9002DC-E ^{13, 16, 17, 18, 26, 27} ; HPQ FCA2101 (LP952) ^{16, 51, 52} ; QLogic QLA2300F-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
5	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19}	FC-AL, FC-SW	Y
6	Netserver: LH II, LXR PRO8	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{16, 18, 25} ; HPQ: DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} ; QLogic QLA2202F-EMC ²⁰	FC-AL, FC-SW	Y
7	Proliant 8500 ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{16, 25} ; HPQ: DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} ; QLogic QLA2200F-EMC ²⁰	FC-AL, FC-SW	Y
8	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LPR, LT 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} , LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 25, 33} , LP850-EMC ^{16, 17, 32} , LP9002-E (LP9002L-E) ^{13, 16, 17} , LP9002DC-E ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 26, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 26, 39, 40} ; HPQ: A7298A (LP982) ^{16, 40, 46} , DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} , FCA2101 (LP952) ^{16, 51, 52} , FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19} , FCA2384 (LP9802) ^{16, 40, 50} , FCA2404 (LP9802) ^{16, 40, 46} , FCA2404DC (LP9802DC) ^{16, 40, 46} , FCA2408 (LP982) ^{16, 40, 46} ; QLogic: QLA2200F-EMC ³³ , QLA2202F-EMC ^{20, 33} , QLA2300F-E-SP ^{13, 14, 15, 33} , QLA2310F-E-SP ^{13, 14, 19, 33} , QLA2340-E-SP ^{13, 14, 19, 33} , QLA2342-E-SP ^{13, 14, 19, 33}	FC-AL, FC-SW	Y
9	Proliant: DL320 ⁷ , DL360 ⁷ , ML350(G3), ML530(G2) ⁷ , ML530 ⁷ , ML750 ³¹	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} , LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 25} , LP850-EMC ^{16, 17, 32} , LP9002-E (LP9002L-E) ^{13, 16, 17, 18} , LP9002DC-E ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 26, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 26, 39, 40} ; HPQ: A7298A (LP982) ^{16, 40, 46} , DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} , FCA2101 (LP952) ^{16, 51, 52} , FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19} , FCA2384 (LP9802) ^{16, 40, 50} , FCA2404 (LP9802) ^{16, 40, 46} , FCA2404DC (LP9802DC) ^{16, 40, 46} , FCA2408 (LP982) ^{16, 40, 46} ; QLogic: QLA2200F-EMC ²⁰ , QLA2202F-EMC ²⁰ , QLA2300F-E-SP ^{13, 14, 19} , QLA2310F-E-SP ^{13, 14, 19} , QLA2340-E-SP ^{13, 14, 19} , QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
10	Proliant: 6400R ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , ML570 ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} , LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 25} , LP850-EMC ^{16, 17, 32} , LP9002-E (LP9002L-E) ^{13, 16, 17} , LP9002DC-E ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 26, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 26, 39, 40} ; HPQ: A7298A (LP982) ^{16, 40, 46} DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} FCA2101 (LP952) ^{16, 51, 52} FCA2214 (QLA2340) ^{14, 19} FCA2214DC (QLA2342) ^{14, 19} FCA2384 (LP9802) ^{16, 40, 50} FCA2404 (LP9802) ^{16, 40, 46} FCA2404DC (LP9802DC) ^{16, 40, 46} FCA2408 (LP982) ^{16, 40, 46} ; QLLogic: QLA2200F-EMC ²⁰ QLA2202F-EMC ²⁰ QLA2300F-E-SP ^{13, 14, 15} QLA2310F-E-SP ^{13, 14, 19} QLA2340-E-SP ^{13, 14, 19} QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
11	Proliant ML370 ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} , LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 25} , LP850-EMC ^{16, 17, 32} , LP9002-E (LP9002L-E) ^{13, 16, 17} , LP9002DC-E ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 39, 40} ; HPQ: A7298A (LP982) ^{16, 40, 46} DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} FCA2101 (LP952) ^{16, 51, 52} FCA2214 (QLA2340) ^{14, 19} FCA2214DC (QLA2342) ^{14, 19} FCA2384 (LP9802) ^{16, 40, 50} FCA2404 (LP9802) ^{16, 40, 46} FCA2404DC (LP9802DC) ^{16, 40, 46} FCA2408 (LP982) ^{16, 40, 46} ; QLLogic: QLA2200F-EMC ²⁰ QLA2202F-EMC ²⁰ QLA2300F-E-SP ^{13, 14, 15} QLA2310F-E-SP ^{13, 14, 19} QLA2340-E-SP ^{13, 14, 19} QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
12	Proliant DL580 ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} , LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 25} , LP850-EMC ^{16, 17, 32} , LP9002-E (LP9002L-E) ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 26, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 26, 39, 40} ; HPQ: A7298A (LP982) ^{16, 40, 46} DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} FCA2101 (LP952) ^{16, 51, 52} FCA2214 (QLA2340) ^{14, 19} FCA2214DC (QLA2342) ^{14, 19} FCA2384 (LP9802) ^{16, 40, 50} FCA2404 (LP9802) ^{16, 40, 46} FCA2404DC (LP9802DC) ^{16, 40, 46} FCA2408 (LP982) ^{16, 40, 46} ; QLLogic: QLA2200F-EMC ²⁰ QLA2202F-EMC ²⁰ QLA2300F-E-SP ^{13, 14, 15} QLA2310F-E-SP ^{13, 14, 19} QLA2340-E-SP ^{13, 14, 19} QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
13	Proliant ML370(G2)	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} , LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 18, 25} , LP850-EMC ^{16, 17, 18} , LP9002-E (LP9002L-E) ^{13, 16, 17, 18} , LP9002DC-E ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 39, 40} ; HPQ: A7298A (LP982) ^{16, 40, 46} DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} FCA2101 (LP952) ^{16, 51, 52} FCA2214 (QLA2340) ^{14, 19} FCA2214DC (QLA2342) ^{14, 19} FCA2384 (LP9802) ^{16, 40, 50} FCA2404 (LP9802) ^{16, 40, 46} FCA2404DC (LP9802DC) ^{16, 40, 46} FCA2408 (LP982) ^{16, 40, 46} ; QLLogic: QLA2200F-EMC ²⁰ QLA2202F-EMC ²⁰ QLA2300F-E-SP ^{13, 14, 15} QLA2310F-E-SP ^{13, 14, 19} QLA2340-E-SP ^{13, 14, 19} QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
14	Proliant ML370(G3)	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} , LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 18, 25} , LP850-EMC ^{16, 17, 18} , LP9002-E (LP9002L-E) ^{13, 16, 17, 18} , LP9002DC-E ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 39, 40} ; HPQ: A7298A (LP982) ^{16, 40, 46} DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} FCA2101 (LP952) ^{16, 51, 52} FCA2214 (QLA2340) ^{14, 19} FCA2214DC (QLA2342) ^{14, 19} FCA2384 (LP9802) ^{16, 40, 50} FCA2404 (LP9802) ^{16, 40, 46} FCA2404DC (LP9802DC) ^{16, 40, 46} FCA2408 (LP982) ^{16, 40, 46} ; QLLogic: QLA2300F-E-SP ^{13, 14, 15} QLA2310F-E-SP ^{13, 14, 19} QLA2340-E-SP ^{13, 14, 19} QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
15	Proliant: ML350(G2) ^{7, 28} , ML350 ^{7, 28}	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} , LP9002-E (LP9002L-E) ^{13, 16, 17, 18} , LP9002DC-E ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 26, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 26, 39, 40} ; HPQ: A7298A (LP982) ^{16, 40, 46} FCA2101 (LP952) ^{16, 51, 52} FCA2214 (QLA2340) ^{14, 19} FCA2214DC (QLA2342) ^{14, 19} FCA2384 (LP9802) ^{16, 40, 50} FCA2404 (LP9802) ^{16, 40, 46} FCA2404DC (LP9802DC) ^{16, 40, 46} FCA2408 (LP982) ^{16, 40, 46} ; QLLogic: QLA2202F-EMC ²⁰ QLA2300F-E-SP ^{13, 14, 15} QLA2310F-E-SP ^{13, 14, 19} QLA2340-E-SP ^{13, 14, 19} QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
16	Proliant 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} , LP9002-E (LP9002L-E) ^{13, 16, 17, 18} , LP9002DC-E ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 26, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 26, 39, 40} ; QLLogic: QLA2202F-EMC ²⁰ QLA2300F-E-SP ^{13, 14, 15} QLA2310F-E-SP ^{13, 14, 19} QLA2340-E-SP ^{13, 14, 19} QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
17	Proliant DL580(G2) ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} , LP9002-E (LP9002L-E) ^{13, 16, 17} , LP9002DC-E ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 26, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 26, 39, 40} ; HPQ: A7298A (LP982) ^{16, 40, 46} , FCA2101 (LP952) ^{16, 51, 52} , FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19} , FCA2384 (LP9802) ^{16, 40, 50} , FCA2404 (LP9802) ^{16, 40, 46} , FCA2404DC (LP9802DC) ^{16, 40, 46} , FCA2408 (LP982) ^{16, 40, 46} ; QLogic: QLA2200F-EMC ²⁰ , QLA2202F-EMC ²⁰ , QLA2300F-E-SP ^{13, 14, 15} , QLA2310F-E-SP ^{13, 14, 19} , QLA2340-E-SP ^{13, 14, 19} , QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
18	Proliant 5500 ^{7, 12}	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 17, 18, 25} , LP8000-EMC ^{16, 25} , LP850-EMC ^{16, 17, 32} , LP9002-E (LP9002L-E) ^{13, 16, 17, 18} ; HPQ: DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} , FCA2101 (LP952) ^{16, 51, 52} , FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19} ; QLogic: QLA2200F-EMC ²⁰ , QLA2202F-EMC ²⁰ , QLA2300F-E-SP ^{13, 14, 15} , QLA2310F-E-SP ^{13, 14, 19} , QLA2340-E-SP ^{13, 14, 19} , QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
19	Netserver LH III	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 18, 25, 33} , LP850-EMC ^{16, 17, 32} ; HPQ: DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} , FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19} ; QLogic: QLA2200F-EMC ³³ , QLA2202F-EMC ^{20, 33} , QLA2300F-E-SP ^{13, 14, 15, 33} , QLA2310F-E-SP ^{13, 14, 19, 33} , QLA2340-E-SP ^{13, 14, 19, 33} , QLA2342-E-SP ^{13, 14, 19, 33}	FC-AL, FC-SW	Y
20	Netserver LH: 3000, 6000; Netserver LXR: 8000, 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 25, 33} , LP850-EMC ^{16, 17, 32} ; HPQ: DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} , FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19} , FCA2384 (LP9802) ^{16, 40, 50} , FCA2404 (LP9802) ^{16, 40, 46} ; QLogic: QLA2200F-EMC ³³ , QLA2202F-EMC ^{20, 33} , QLA2300F-E-SP ^{13, 14, 15, 33} , QLA2310F-E-SP ^{13, 14, 19, 33} , QLA2340-E-SP ^{13, 14, 19, 33} , QLA2342-E-SP ^{13, 14, 19, 33}	FC-AL, FC-SW	Y
21	Netserver LH: 3, 4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 25, 33} , LP850-EMC ^{16, 17, 32} ; HPQ: DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} , FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19} ; QLogic: QLA2200F-EMC ³³ , QLA2202F-EMC ^{20, 33} , QLA2300F-E-SP ^{13, 14, 15, 33} , QLA2310F-E-SP ^{13, 14, 19, 33} , QLA2340-E-SP ^{13, 14, 19, 33} , QLA2342-E-SP ^{13, 14, 19, 33}	FC-AL, FC-SW	Y
22	Proliant: 1600 ^{7, 8} , 1850 ⁷ , 2500 ⁷ , 5000 ⁷ , 6000 ^{7, 12} , 6500 ^{7, 12} , 8000 ^{7, 12} , 850 ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 25} , LP850-EMC ^{16, 17, 32} ; HPQ: DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} , FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19} ; QLogic: QLA2200F-EMC ²⁰ , QLA2202F-EMC ²⁰ , QLA2300F-E-SP ^{13, 14, 15} , QLA2310F-E-SP ^{13, 14, 19} , QLA2340-E-SP ^{13, 14, 19} , QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
23	Proliant: ML350(G2) ⁷ , ML350 ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 25} , LP850-EMC ^{16, 17, 32} ; HPQ: DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} ; QLogic: QLA2200F-EMC ²⁰	FC-AL, FC-SW	Y
24	Proliant: 3000 ⁷ , 7000 ^{7, 12}	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 25} , LP850-EMC ^{16, 17, 32} , LP9002-E (LP9002L-E) ^{13, 16, 17, 18} ; HPQ: DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} , FCA2101 (LP952) ^{16, 51, 52} , FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19} ; QLogic: QLA2200F-EMC ²⁰ , QLA2202F-EMC ²⁰ , QLA2300F-E-SP ^{13, 14, 15} , QLA2310F-E-SP ^{13, 14, 19} , QLA2340-E-SP ^{13, 14, 19} , QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
25	Proliant DL360(G2) ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 25} , LP850-EMC ^{16, 17, 32} , LP9002-E (LP9002L-E) ^{13, 16, 17} , LP9002DC-E ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 26, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 26, 39, 40} ; HPQ: A7298A (LP982) ^{16, 40, 46} , DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} , FCA2101 (LP952) ^{16, 51, 52} , FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19} , FCA2384 (LP9802) ^{16, 40, 50} , FCA2404 (LP9802) ^{16, 40, 46} , FCA2404DC (LP9802DC) ^{16, 40, 46} , FCA2408 (LP982) ^{16, 40, 46} ; QLogic: QLA2200F-EMC ²⁰ , QLA2202F-EMC ²⁰ , QLA2300F-E-SP ^{13, 14, 15} , QLA2310F-E-SP ^{13, 14, 19} , QLA2340-E-SP ^{13, 14, 19} , QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
26	NetsERVER LX PRO	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{21, 22, 23, 24} , LP8000-EMC ^{16, 18, 25} , LP850-EMC ^{16, 17, 18} ; HPQ: DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} ; QLogic: QLA2200F-EMC, QLA2202F-EMC ^{20, 43}	FC-AL, FC-SW	Y
27	Proliant 850R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{21, 22, 23, 24} , LP8000-EMC ^{16, 25} , LP850-EMC ^{16, 17} ; QLogic: QLA2200F-EMC, QLA2202F-EMC ²⁰ , QLA2300F-E-SP ^{13, 14, 15} , QLA2310F-E-SP ^{13, 14, 19} , QLA2340-E-SP ^{13, 14, 19} , QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
28	Proliant: 6400R Pro, 8500 8-way Xeon 550 ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP9002-E (LP9002L-E) ^{13, 16, 17, 18} , LP9002DC-E ^{13, 16, 17, 18, 26, 27} ; QLogic: QLA2202F-EMC ²⁰ , QLA2300F-E-SP ^{13, 14, 15} , QLA2310F-E-SP ^{13, 14, 19} , QLA2340-E-SP ^{13, 14, 19} , QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
29	NetsERVER LC: 2000 U3, 2000r; NetsERVER LH: 3, 3000, 4, 6000, II, III; NetsERVER LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500, LXR PRO8	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: D8602A (Agilent HHBA-5101B) ^{1, 36, 37, 38} , D8602B (Agilent HHBA-5101C) ^{1, 34, 35, 36, 37}	FC-AL, FC-SW	N
30	Proliant 8000: Pro, Xeon	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic: QLA2202F-EMC ²⁰ , QLA2300F-E-SP ^{13, 14, 15} , QLA2310F-E-SP ^{13, 14, 19} , QLA2340-E-SP ^{13, 14, 19} , QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
31	Proliant 8000 Pro	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC ^{20, 41}	FC-AL, FC-SW	Y
32	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{13, 16, 17, 18} ; QLogic: QLA2310F-E-SP ^{13, 14, 19} , QLA2340-E-SP ^{13, 14, 19} , QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
33	Proliant 8500 ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP7000E-EMC ^{21, 22, 23, 24, 32} , LP850-EMC ^{16, 17, 32} ; QLogic QLA2202F-EMC ²⁰	FC-AL, FC-SW	Y
34	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49}	FC-AL, FC-SW	Y
35	Proliant 8000 Pro	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{16, 17, 25, 46}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
36	Proliant DL580 ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{13, 16, 17}	FC-AL, FC-SW	Y
37	Proliant DL360(G2) ^{7, 48}	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49}	FC-AL, FC-SW	Y
38	Proliant ML370(G3)	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	QLogic: QLA2200F-EMC ²⁰ , QLA2202F-EMC ²⁰	FC-AL, FC-SW	Y
39	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP9802-E ^{16, 26, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 26, 39, 40} ; HPQ: A7298A (LP982) ^{16, 40, 46} , FCA2384 (LP9802) ^{16, 40, 50} , FCA2404 (LP9802) ^{16, 40, 46} , FCA2404DC (LP9802DC) ^{16, 40, 46} , FCA2408 (LP982) ^{16, 40, 46}	FC-AL, FC-SW	Y
40	Proliant 8500	PCI	Microsoft Windows 2000 Datacenter SP3 ¹	QLogic QLA2342-E-SP ^{14, 19}	FC-AL, FC-SW	Y
41	Proliant 8500	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	Emulex LP9002-E (LP9002L-E) ^{16, 17} ; QLogic QLA2310F-E-SP ^{14, 19}	FC-AL, FC-SW	Y
42	Proliant 8500	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{16, 25} ; HPQ: DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} ; QLogic QLA2200F-EMC	FC-AL, FC-SW	Y
43	Proliant 8500 ⁷	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Datacenter SP4 ¹ , Server SP2 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49}	FC-AL, FC-SW	Y
44	Proliant 8500 ⁷	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹	Emulex: LP9802-E ^{16, 26, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 26, 39, 40} ; HPQ: A7298A (LP982) ^{16, 40, 46} , FCA2384 (LP9802) ^{16, 40, 50} , FCA2404 (LP9802) ^{16, 40, 46} , FCA2404DC (LP9802DC) ^{16, 40, 46} , FCA2408 (LP982) ^{16, 40, 46}	FC-AL, FC-SW	Y
45	Proliant ML370(G3)	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹	QLogic: QLA2200F-EMC ^{20, 41, 42} , QLA2202F-EMC ^{20, 41, 42}	FC-AL, FC-SW	Y
46	Proliant DL560	PCI-X	Microsoft Windows 2000 Advanced Server SP2 ¹	Emulex LP9002-E (LP9002L-E) ^{13, 16, 17, 18}	FC-AL, FC-SW	Y
47	Proliant: DL760 (G2), DL760 ⁷	PCI-X	Microsoft Windows 2000 Advanced Server SP2 ¹	QLogic QLA2310F-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
48	Proliant: DL760 (G2), DL760 ⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} , LP7000E-EMC ^{21, 22, 23, 24} , LP8000-EMC ^{16, 18, 25} , LP850-EMC ^{16, 17, 18} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 26, 39, 40} ; HPQ: A7298A (LP982) ^{16, 40, 46} , DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} , FCA2101 (LP952) ^{16, 51, 52} , FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19} , FCA2384 (LP9802) ^{16, 40, 50} , FCA2404 (LP9802) ^{16, 40, 46} , FCA2404DC (LP9802DC) ^{16, 40, 46} , FCA2408 (LP982) ^{16, 40, 46} ; QLogic: QLA2200F-EMC ²⁰ , QLA2202F-EMC ²⁰ , QLA2300F-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
49	Proliant: DL760 (G2), DL760 ⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP9002DC-E ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 26, 39, 40}	FC-AL, FC-SW	Y
50	Proliant: DL760 (G2), DL760 ⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{13, 16, 17, 18, 26, 29} , QLogic: QLA2340-E-SP ^{13, 14, 19} , QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
51	Proliant: DL360(G3), ML570(G2)	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} , LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 25} , LP850-EMC ^{16, 17, 32} , LP9002-E (LP9002L-E) ^{13, 16, 17} , LP9002DC-E ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 26, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 26, 39, 40} , HPQ: A7298A (LP982) ^{16, 40, 46} , DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} , FCA2101 (LP952) ^{16, 51, 52} , FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19} , FCA2384 (LP9802) ^{16, 40, 50} , FCA2404 (LP9802) ^{16, 40, 46} , FCA2404DC (LP9802DC) ^{16, 40, 46} , FCA2408 (LP982) ^{16, 40, 46} , QLogic: QLA2200F-EMC ²⁰ , QLA2202F-EMC ²⁰ , QLA2300F-E-SP ^{13, 14, 15} , QLA2310F-E-SP ^{13, 14, 19} , QLA2340-E-SP ^{13, 14, 19} , QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
52	Proliant DL560	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} , LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 25} , LP850-EMC ^{16, 17, 32} , LP9002DC-E ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 26, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 26, 39, 40} , HPQ: A7298A (LP982) ^{16, 40, 46} , DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} , FCA2101 (LP952) ^{16, 51, 52} , FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19} , FCA2384 (LP9802) ^{16, 40, 50} , FCA2404 (LP9802) ^{16, 40, 46} , FCA2404DC (LP9802DC) ^{16, 40, 46} , FCA2408 (LP982) ^{16, 40, 46} , QLogic: QLA2200F-EMC ²⁰ , QLA2202F-EMC ²⁰ , QLA2300F-E-SP ^{13, 14, 15} , QLA2310F-E-SP ^{13, 14, 19} , QLA2340-E-SP ^{13, 14, 19} , QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
53	Proliant DL740	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} , LP8000-EMC ^{16, 18, 25} , LP850-EMC ^{16, 17, 18} , LP9002-E (LP9002L-E) ^{13, 16, 17, 18} , LP9002DC-E ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 26, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 26, 39, 40} , HPQ: A7298A (LP982) ^{16, 40, 46} , DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} , FCA2101 (LP952) ^{16, 51, 52} , FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19} , FCA2384 (LP9802) ^{16, 40, 50} , FCA2404 (LP9802) ^{16, 40, 46} , FCA2404DC (LP9802DC) ^{16, 40, 46} , FCA2408 (LP982) ^{16, 40, 46} , QLogic: QLA2200F-EMC ²⁰ , QLA2202F-EMC ²⁰ , QLA2310F-E-SP ^{13, 14, 19} , QLA2340-E-SP ^{13, 14, 19} , QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
54	Proliant BL40p	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} , LP8000-EMC ^{16, 18, 25} , LP9002-E (LP9002L-E) ^{13, 16, 17, 18, 26, 29} , LP9002DC-E ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 26, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 26, 39, 40} , HPQ: A7298A (LP982) ^{16, 40, 46} , DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} , FCA2101 (LP952) ^{16, 51, 52} , FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19} , FCA2384 (LP9802) ^{16, 40, 50} , FCA2404 (LP9802) ^{16, 40, 46} , FCA2404DC (LP9802DC) ^{16, 40, 46} , FCA2408 (LP982) ^{16, 40, 46} , QLogic: QLA2200F-EMC ²⁰ , QLA2310F-E-SP ^{13, 14, 19} , QLA2340-E-SP ^{13, 14, 19} , QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
55	Proliant: DL760 (G2), DL760 ⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{16, 17, 25}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
56	Proliant DL560	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{13, 16, 17}	FC-AL, FC-SW	Y
57	Proliant: DL760 (G2), DL760 ⁷	PCI-X	Microsoft Windows 2000 Datacenter SP2 ¹	Emulex: LP9002DC-E ^{16, 17} , LP9802-E ^{16, 39, 40}	FC-AL, FC-SW	Y
58	Proliant: DL760 (G2), DL760 ⁷	PCI-X	Microsoft Windows 2000 Datacenter; SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{16, 17} ; QLogic: QLA2340-E-SP ^{14, 19} , QLA2342-E-SP ^{14, 19}	FC-AL, FC-SW	Y
59	Proliant: DL760 (G2), DL760 ⁷	PCI-X	Microsoft Windows 2000 Datacenter; SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} ; HPQ D8602A (Agilent HHBA-5101B) ^{1, 38}	FC-AL, FC-SW	N
60	Proliant BL20p (G2)	PCI-X ⁴	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ Dual-port mezzanine controller card ^{19, 44}	FC-AL, FC-SW	Y
61	Proliant: DL580(G2) ⁷ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} , LP7000E-EMC ^{21, 22, 23, 24, 32} , LP8000-EMC ^{16, 25} , LP850-EMC ^{16, 17, 32} , LP9002-E (LP9002L-E) ^{13, 16, 17, 18} , LP9002DC-E ^{13, 16, 17, 18, 26, 27} , LP9802-E ^{16, 26, 39, 40} , LP9802DC-E ^{13, 16, 39, 40} , LP982-E ^{16, 26, 39, 40} ; HPQ: A7298A (LP982) ^{16, 40, 46} , DS-KGPSA-CA (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CB (LP8000) ^{16, 17, 39, 46} , DS-KGPSA-CY (LP8000) ^{16, 17, 39, 46} , FCA2101 (LP952) ^{16, 51, 52} , FCA2214 (QLA2340) ^{14, 19} , FCA2214DC (QLA2342) ^{14, 19} , FCA2384 (LP9802) ^{16, 40, 50} , FCA2404 (LP9802) ^{16, 40, 46} , FCA2404DC (LP9802DC) ^{16, 40, 46} , FCA2408 (LP982) ^{16, 40, 46} ; QLogic: QLA2200F-EMC ²⁰ , QLA2202F-EMC ²⁰ , QLA2300F-E-SP ^{13, 14, 15} , QLA2310F-E-SP ^{13, 14, 19} , QLA2340-E-SP ^{13, 14, 19} , QLA2342-E-SP ^{13, 14, 19}	FC-AL, FC-SW	Y
62	Proliant DL760 ⁷	PCI, PCI-X	Microsoft Windows 2000 Datacenter; SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{16, 46, 47} , LP10000DC-E ^{16, 46, 47} , LP1050-E ^{16, 47, 49} , LP1050DC-E ^{16, 47, 49} ; QLogic QLA2300F-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
63	Proliant: DL760 (G2), DL760 ⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2310F-E-SP ^{13, 14, 19}	FC-AL ³⁰ , FC-SW	Y
64	Proliant: DL760 (G2), DL760 ⁷	PCI-X	Microsoft Windows 2000 Datacenter; SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2310F-E-SP ^{14, 19}	FC-AL ³⁰ , FC-SW	Y
65	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: FCA2354 (LP9002) ^{13, 16, 18, 26, 27} , FCA2355 (LP9002DC) ^{13, 16, 18, 26, 27}	FC-SW	Y
66	Proliant: 6400R ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: FCA2354 (LP9002) ^{16, 17} , FCA2355 (LP9002DC) ^{16, 17}	FC-SW	Y
67	Proliant DL760 ⁷	PCI-X	Microsoft Windows 2000 Advanced Server SP2 ¹	HPQ: FCA2354 (LP9002) ^{16, 17} , FCA2355 (LP9002DC) ^{16, 17}	FC-SW	Y
68	Proliant: BL40p, DL360(G3), DL560, DL740, ML570(G2)	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: FCA2354 (LP9002) ^{16, 17} , FCA2355 (LP9002DC) ^{16, 17}	FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
69	Proliant: DL760 (G2), DL760 ⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: FCA2354 (LP9002) ^{13, 16, 17, 18, 26, 27} , FCA2355 (LP9002DC) ^{13, 16, 17, 18, 26, 27}	FC-SW	Y
70	Proliant: DL580(G2) ⁷ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: FCA2354 (LP9002) ^{16, 17} , FCA2355 (LP9002DC) ^{16, 17}	FC-SW	Y
71	Netserver LC: 2000 U3, 2000R; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{7, 8} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7, 12} , 6000 ^{7, 12} , 6400R ⁷ , 6500 ^{7, 12} , 7000 ^{7, 12} , 8000 ^{7, 12} , 850 ⁷ , DL320 ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530 ⁷ , ML570 ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec: ASC-29160 ^{9, 10, 11} , ASC-39160 ^{9, 10, 11}	U2 LVD	Y
72	Proliant 8500 ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Adaptec: ASC-29160 ^{9, 10, 11} , ASC-39160 ^{9, 10, 11}	U2 LVD	Y
73	Proliant DL560	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec: ASC-29160 ^{9, 10, 11} , ASC-39160 ^{9, 10, 11}	U2 LVD	Y
74	Proliant: DL580(G2) ⁷ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec: ASC-29160 ^{9, 10, 11} , ASC-39160 ^{9, 10, 11}	U2 LVD	Y
75	Netserver LC: 2000 U3, 2000R; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LT 6000R, LXR 8000, LXR 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec AHA-2944UW ^{2, 3, 4, 5} ; HPQ: A5252A ^{3, 5, 6} , A5252B ^{3, 5, 6}	UWD	Y
76	Proliant: 1600 ^{7, 8} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7, 12} , 6000 ^{7, 12} , 6400R ⁷ , 6500 ^{7, 12} , 7000 ^{7, 12} , 8000 ^{7, 12} , 850 ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec AHA-2944UW ^{3, 4, 5}	UWD	Y
77	Proliant 8500 ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Adaptec AHA-2944UW ^{3, 4, 5}	UWD	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.

2. Adaptec AHA-2944UW has been OEM'ed by HP as A5252A and A5252B.

3. HBA BIOS is 2.20.

4. Requires Legacy PCI slot (not available on most new servers.)

5. Driver Version 2.12s4.

6. (Adaptec AHA-2944UW)

7. Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.

8. This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.

9. Driver Version 4.10.4002 set v1.02. (Native on Windows 2000 Installation CD-ROM)
10. Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3-U2SD4L).
11. HBA BIOS is 3.10.0.
12. Includes both Pentium PRO and XEON models
13. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
14. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
15. Driver Version 8.2.1.20.
16. Driver Version 2.21a7.
17. Firmware Version 3.90a7.
18. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
19. Driver Version 8.2.3.21.
20. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
21. SNIA API Supported.
22. Driver/Firmware available at <http://www.emulex.com>
23. Driver Version 2.13a4.
24. Firmware Version 3.30a7.
25. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
26. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
27. Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.

28. HPQ Proliant ML350 (1GHz) : D04,F04 (11/13/2000) , HPQ Proliant ML350(600,733,800,866,933 MHz) : D02, F04 (11/13/2000).
29. The LP9002-E now ships with the LP9002L-E low profile adapter.
30. **Supported by direct attach only**
31. HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
32. Not supported with the HP NetServer LC-2000.
33. When used with the HP NetServer LC2000: 32 device maximum.
34. Requires manual intervention on bootstrap to clear "new hardware found" message box at boot time.
35. The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
36. Does not support Connectrix DS-16M, DS-32M, or McData ED-5000
37. Driver Version 2.0.25.44. Driver available at http://h20004.www2.hp.com/keeper_rnotes/bsdmatrix/matrix213991.html
38. (HHBA-5101BK-01)
39. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
40. Firmware Version 1.01a2.
41. Driver Version 8.1.5.20.
42. Driver/BIOS are available at <http://www.qlogic.com>
43. Dual port fibre Channel controller.
44. Supports BIOS 1.34. Supports SNIA HBA API. Driver and BIOS available at <http://www.qlogic.com>.
45. Dual port PCI-X fibre channel mezzanine card option is embedded. No PCI/PCI-X slots available.
46. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
47. Firmware Version 1.80a3.
48. **Requires minimum BIOS v4.01 rev A (5/17/2002) for use with Emulex HBAs.**
49. **Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**
50. **Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. Supports SNIA HBA API.**
51. **EMC does not support the Emulex equivalent of the FCA2101 (LP952.) Use EMC supported driver for LP9002 from <http://www.emulex.com>.**
52. Firmware Version 3.90a7. Contact HPQ for supported firmware versions for this HBA.

IBM

IBM - Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	xSeries x255 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2310F-E-SP ³ , 10, 31	FC-AL	Y	
2	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic: QLA2200F-EMC ²⁷ , QLA2310F-E-SP ³ , 10, 31	FC-AL	Y	
3	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	QLogic QLA2310F-E-SP ³ , 10, 31	FC-AL	Y	
4	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	QLogic: QLA2200F-EMC ²⁷ , QLA2310F-E-SP ³ , 10, 31	FC-AL	Y	
5	xSeries x255 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC ²⁷	FC-AL	Y	
6	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	QLogic QLA2200F-EMC ²⁷	FC-AL	Y	
7	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	Emulex: LP9802-E ² , 18, 33, 39, 40, LP982-E ² , 18, 33, 39, 40, QLogic QLA2310F-E-SP ² , 3, 10	FC-AL, FC-SW	Y	
8	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	IBM 24P0960(QLA2340) ³ , 10, 36, 38, QLogic: QLA2202F-EMC ²⁷ , QLA2310F-E-SP ² , 3, 10	FC-AL, FC-SW	Y	
9	xSeries x370 ⁶	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	QLogic QLA2310F-E-SP ² , 3, 10	FC-AL, FC-SW	Y	
10	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ¹⁹ , 21, 22, 23, 24, LP8000-EMC ¹⁸ , 20, 30, LP850-EMC ¹⁷ , 18, 19, 30; IBM: 00N6881 (QLA2200) ²⁵ , 26, 27, 28, 19K1246(QLA2310) ³ , 10, 35, 36; QLogic: QLA2200F-EMC ²⁷ , QLA2204F ²⁷ , 28, QLA2300F-E-SP ² , 3, 4, QLA2340-E-SP ² , 3, 10, QLA2342-E-SP ² , 3, 10	FC-AL, FC-SW	Y	

IBM – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
11	xSeries x360 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{21, 22, 23, 24} , LP8000-EMC ^{18, 20, 30} , LP850-EMC ^{17, 18, 30} , QLLogic QLA2202F-EMC ²⁷	FC-AL, FC-SW	Y	
12	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: D8602A (Agilent HHBA-5101B) ^{1, 44, 45, 46} , D8602B (Agilent HHBA-5101C) ^{1, 42, 43, 44, 45}	FC-AL, FC-SW	N	
13	xSeries x345 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLLogic QLA2202F-EMC ²⁷	FC-AL, FC-SW	Y	
14	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	Emulex LP850-EMC ^{17, 18, 19, 30}	FC-AL, FC-SW	Y	
15	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	Emulex: LP8000-EMC ^{18, 20, 30} , LP850-EMC ^{17, 18, 19, 30} , LP9002-E (LP9002L-E) ^{2, 17, 18, 30, 32, 33} ; QLLogic: QLA2200F-EMC ²⁷ , QLA2204F ^{27, 28}	FC-AL, FC-SW	Y	
16	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	HPQ: D8602A (Agilent HHBA-5101B) ^{1, 44, 45, 46} , D8602B (Agilent HHBA-5101C) ^{1, 42, 43, 44, 45}	FC-AL, FC-SW	N	
17	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	QLLogic QLA2300F-E-SP ^{2, 3, 4}	FC-AL, FC-SW	Y	
18	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58} , LP9002DC-E ^{2, 17, 18, 30, 33, 34} , LP9802DC-E ^{2, 18, 39, 40} ; IBM 24P0960(QLA2340) ^{3, 10, 36, 38} ; QLLogic QLA2300F-E-SP ^{2, 3, 4}	FC-AL, FC-SW	Y	
19	xSeries x370 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58} ; QLLogic: QLA2200F-EMC, QLA2300F-E-SP ^{2, 3, 4}	FC-AL, FC-SW	Y	
20	xSeries x255 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58} , LP7000E-EMC ^{19, 21, 22, 23, 24} , LP8000-EMC ^{18, 20, 30} , LP850-EMC ^{17, 18, 19, 30} , LP9002-E (LP9002L-E) ^{2, 17, 18, 30, 32, 33} , LP9002DC-E ^{2, 17, 18, 30, 33, 34} , LP9802-E ^{2, 18, 33, 39, 40} , LP9802DC-E ^{2, 18, 39, 40} , LP982-E ^{2, 18, 33, 39, 40} ; IBM: 00N6881 (QLA2200) ^{25, 26, 27, 28} , 19K1246(QLA2310) ^{3, 10, 35, 36} , 24P0960(QLA2340) ^{3, 10, 36, 38} ; QLLogic: QLA2200F-EMC ²⁷ , QLA2202F-EMC ²⁷ , QLA2204F ^{27, 28} , QLA2300F-E-SP ^{2, 3, 4} , QLA2310F-E-SP ^{2, 3, 10} , QLA2340-E-SP ^{2, 3, 10} , QLA2342-E-SP ^{2, 3, 10}	FC-AL, FC-SW	Y	
21	xSeries X342 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58} , LP7000E-EMC ^{19, 21, 22, 23, 24} , LP8000-EMC ^{18, 20, 30, 33, 34} , LP850-EMC ^{17, 18, 19} , LP9002-E (LP9002L-E) ^{2, 17, 18} , LP9002DC-E ^{2, 17, 18, 30, 33, 34} , LP9802-E ^{18, 33, 39, 40} , LP9802DC-E ^{2, 18, 39, 40} , LP982-E ^{18, 33, 39, 40} ; IBM: 00N6881 (QLA2200) ^{25, 26, 27, 28} , 19K1246(QLA2310) ^{3, 10, 35} , 24P0960(QLA2340) ^{3, 10, 36, 38} ; QLLogic: QLA2200F-EMC, QLA2202F-EMC ²⁷ , QLA2300F-E-SP ^{2, 3, 4} , QLA2310F-E-SP ^{2, 3, 10} , QLA2340-E-SP ^{2, 3, 10, 31} , QLA2342-E-SP ^{2, 3, 10, 31}	FC-AL, FC-SW	Y	
22	xSeries: X330 ⁶ , X335, X340 (4500R) ⁶ , x230, x232 ⁶ , x240 ⁶ , x250 ⁶ , x350 (6000R) ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58} , LP7000E-EMC ^{19, 21, 22, 23, 24} , LP8000-EMC ^{18, 20, 30, 33, 34} , LP850-EMC ^{17, 18, 19} , LP9002-E (LP9002L-E) ^{2, 17, 18} , LP9002DC-E ^{2, 17, 18, 30, 33, 34} , LP9802-E ^{18, 33, 39, 40} , LP9802DC-E ^{2, 18, 39, 40} , LP982-E ^{18, 33, 39, 40} ; IBM: 00N6881 (QLA2200) ^{25, 26, 27, 28} , 19K1246(QLA2310) ^{3, 10, 35} , 24P0960(QLA2340) ^{3, 10, 36, 38} ; QLLogic: QLA2200F-EMC, QLA2202F-EMC ²⁷ , QLA2300F-E-SP ^{2, 3, 4} , QLA2310F-E-SP ^{2, 3, 10} , QLA2340-E-SP ^{2, 3, 10} , QLA2342-E-SP ^{2, 3, 10}	FC-AL, FC-SW	Y	
23	xSeries x345 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58} , LP7000E-EMC ^{19, 21, 22, 23, 24} , LP9802-E ^{18, 33, 39, 40} , LP9802DC-E ^{2, 18, 39, 40} , LP982-E ^{18, 33, 39, 40} ; IBM: 19K1246(QLA2310) ^{3, 10, 35} , 24P0960(QLA2340) ^{3, 10, 38}	FC-AL, FC-SW	Y	
24	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁵ , 7100, 7600	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{19, 21, 22, 23, 24} , LP8000-EMC ^{18, 20} , LP850-EMC ^{17, 18, 19} ; IBM: 00N6881 (QLA2200) ^{25, 26, 27, 28} , 19K1246(QLA2310) ^{3, 10, 35} , 24P0960(QLA2340) ^{3, 10, 36, 38} ; QLLogic: QLA2200F-EMC, QLA2202F-EMC ²⁷ , QLA2300F-E-SP ^{2, 3, 4} , QLA2310F-E-SP ^{2, 3, 10} , QLA2340-E-SP ^{2, 3, 10} , QLA2342-E-SP ^{2, 3, 10}	FC-AL, FC-SW	Y	

IBM – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
25	xSeries x255 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: D8602A (Agilent HHBA-5101B) ^{1, 44, 45, 46} , D8602B (Agilent HHBA-5101C) ^{1, 42, 43, 44, 45}	FC-AL, FC-SW	N	
26	xSeries x370 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	IBM 19K1246(QLA2310) ^{3, 10, 35}	FC-AL, FC-SW	Y	
27	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC ²⁷	FC-AL, FC-SW	Y	
28	xSeries x360 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2310F-E-SP ^{3, 10}	FC-AL, FC-SW	Y	
29	xSeries x370 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	IBM 24P0960(QLA2340) ^{3, 10, 36, 38}	FC-AL, FC-SW	Y	
30	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP7000E-EMC ^{19, 21, 22, 23, 24} , LP8000-EMC ^{18, 20, 30} , LP9002-E (LP9002L-E) ^{2, 17, 18, 30, 32, 33} , LP9802-E ^{2, 18, 33, 39, 40} , LP982-E ^{2, 18, 33, 39, 40} , IBM: 00N6881 (QLA2200) ^{25, 26, 27, 28} , 19K1246(QLA2310) ^{3, 10, 35, 36} ; QLogic: QLA2204F ^{27, 28} , QLA2340-E-SP ^{2, 3, 10} , QLA2342-E-SP ^{2, 3, 10}	FC-AL, FC-SW	Y	
31	xSeries x370 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP7000E-EMC ^{19, 21, 22, 23, 24} , LP8000-EMC ^{18, 20} , LP850-EMC ^{17, 18, 19} , LP9002-E (LP9002L-E) ^{2, 17, 18} , LP9002DC-E ^{2, 17, 18, 30, 33, 34} , LP9802-E ^{18, 33, 39, 40} , LP9802DC-E ^{2, 18, 39, 40} , LP982-E ^{18, 33, 39, 40} ; IBM 00N6881 (QLA2200) ^{25, 26, 27, 28} ; QLogic: QLA2202F-EMC ²⁷ , QLA2340-E-SP ^{2, 3, 10} , QLA2342-E-SP ^{2, 3, 10}	FC-AL, FC-SW	Y	
32	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP7000E-EMC ^{19, 21, 22, 23, 24} , LP9002DC-E ^{2, 17, 18, 30, 33, 34} , LP9802DC-E ^{2, 18, 39, 40} ; IBM: 00N6881 (QLA2200) ^{25, 26, 27, 28} , 19K1246(QLA2310) ^{3, 10, 35, 36} , 24P0960(QLA2340) ^{3, 10, 36, 38} ; QLogic: QLA2340-E-SP ^{2, 3, 10} , QLA2342-E-SP ^{2, 3, 10}	FC-AL, FC-SW	Y	
33	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	HPQ: D8602A (Agilent HHBA-5101B) ^{1, 44, 45, 46} , D8602B (Agilent HHBA-5101C) ^{1, 42, 43, 44, 45}	FC-AL, FC-SW	N	
34	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	IBM 24P0960(QLA2340) ^{3, 10, 36, 38, 48}	FC-AL, FC-SW	Y	
35	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	QLogic QLA2202F-EMC ²⁷	FC-AL, FC-SW	Y	See ³⁷
36	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58} , LP9802-E ^{2, 18, 33, 39, 40} , LP982-E ^{2, 18, 33, 39, 40} ; QLogic: QLA2202F-EMC ²⁷ , QLA2310F-E-SP ^{2, 3, 10}	FC-AL, FC-SW	Y	See ³⁷
37	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	QLogic: QLA2202F-EMC ²⁷ , QLA2310F-E-SP ^{2, 3, 10}	FC-AL, FC-SW	Y	See ³⁷
38	xSeries x370	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{17, 18, 20}	FC-AL, FC-SW	Y	
39	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{17, 18, 20}	FC-AL, FC-SW	Y	
40	xSeries x370 ⁶	PCI	Microsoft Windows 2000 Datacenter SP2 ¹	IBM 00N6881 (QLA2200) ^{26, 27, 28}	FC-AL, FC-SW	Y	
41	Netfinity 8500R	PCI	Microsoft Windows 2000 Datacenter SP2 ¹	IBM 00N6881 (QLA2200) ^{26, 27, 28} ; QLogic QLA2340-E-SP ^{3, 10}	FC-AL, FC-SW	Y	

IBM – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
42	xSeries x370	PCI	Microsoft Windows 2000 Datacenter SP2 ¹	QLogic QLA2342-E-SP ¹⁰	FC-AL, FC-SW	Y	
43	Netfinity 8500R; xSeries x370 ⁶	PCI	Microsoft Windows 2000 Datacenter SP3 ¹	IBM 00N6881 (QLA2200) ^{26, 28}	FC-AL, FC-SW	Y	
44	xSeries x370	PCI	Microsoft Windows 2000 Datacenter SP3 ¹	QLogic QLA2342-E-SP ^{3, 10}	FC-AL, FC-SW	Y	
45	Netfinity 8500	PCI	Microsoft Windows 2000 Datacenter SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58}	FC-AL, FC-SW	N	
46	Netfinity 8500R	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	Emulex: LP8000-EMC ^{18, 20} , LP9002-E (LP9002L-E) ^{17, 18} , LP9802-E ^{18, 39, 40} , LP982-E ^{18, 33, 40} ; IBM 19K1246(QLA2310) ^{3, 10, 35} ; QLogic QLA2310F-E-SP ^{3, 10}	FC-AL, FC-SW	Y	
47	xSeries x370	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	Emulex: LP9002-E (LP9002L-E) ^{17, 18} , LP9002DC-E ^{2, 17, 18, 30, 33, 34} , LP9802-E ^{18, 39, 40} , LP9802DC-E ^{2, 18, 39, 40} , LP982-E ^{18, 33, 39, 40} ; QLogic QLA2340-E-SP ¹⁰	FC-AL, FC-SW	Y	
48	Netfinity 8500R	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	HPQ D8602B (Agilent HHBA-5101C) ^{1, 43}	FC-AL, FC-SW	N	
49	Netfinity 8500R	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58}	FC-AL, FC-SW	N	
50	xSeries x370 ⁶	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	IBM 19K1246(QLA2310) ^{3, 10, 35, 36}	FC-AL, FC-SW	Y	
51	Netfinity 8500R	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC	FC-AL, FC-SW	Y	
52	xSeries x370 ⁶	PCI	Microsoft Windows 2000 Datacenter: SP3 ¹ , SP4 ¹	IBM 24P0960(QLA2340) ^{3, 10, 36, 38, 48}	FC-AL, FC-SW	Y	
53	Netfinity 6000R	PCI	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{18, 20} ; IBM: 19K1246(QLA2310) ^{10, 35} , 24P0960(QLA2340) ^{10, 38, 48} ; QLogic: QLA2340-E-SP ^{2, 10} , QLA2342-E-SP ^{2, 10}	FC-AL, FC-SW	Y	
54	Netfinity 8500R	PCI	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP850-EMC ^{17, 18, 19, 29, 30} ; QLogic QLA2200F-EMC ^{27, 28}	FC-AL, FC-SW	Y	
55	Netfinity 8500	PCI	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{18, 20} , LP850-EMC ^{17, 18, 19, 29} , LP9002-E (LP9002L-E) ^{2, 17, 18} , LP9802-E ^{18, 33, 39, 40} , LP982-E ^{18, 33, 39, 40} ; QLogic: QLA2200F-EMC, QLA2200F-EMC ^{27, 28} , QLA2300F-E-SP ^{3, 4} , QLA2310F-E-SP ^{3, 10}	FC-AL, FC-SW	Y	
56	xSeries x345 ^{6, 49}	PCI	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{18, 20} , LP850-EMC ^{17, 18} ; QLogic: QLA2200F-EMC, QLA2202F-EMC ²⁷	FC-AL, FC-SW	Y	
57	xSeries x360 ⁶	PCI	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC	FC-AL, FC-SW	Y	
58	Netfinity 8500	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Datacenter SP2 ¹ , Datacenter SP3 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58}	FC-AL, FC-SW	Y	
59	xSeries x345 ⁶	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP9002-E (LP9002L-E) ^{2, 17, 18} , LP9002DC-E ^{2, 17, 18, 30, 33, 34} ; QLogic: QLA2300F-E-SP ^{2, 3, 4} , QLA2310F-E-SP ^{2, 3, 10} , QLA2340-E-SP ^{2, 3, 10} , QLA2342-E-SP ^{2, 3, 10}	FC-AL, FC-SW	Y	
60	Netfinity 8500	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	QLogic QLA2202F-EMC ²⁷	FC-AL, FC-SW	Y	
61	Netfinity 8500R	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	QLogic: QLA2202F-EMC ²⁷ , QLA2310F-E-SP ^{2, 3, 10}	FC-AL, FC-SW	Y	
62	xSeries x235	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC ²⁷	FC-AL, FC-SW	Y	
63	xSeries x440 ⁶	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58} , LP7000E-EMC ^{21, 22, 23, 24} , LP850-EMC ^{17, 18, 30} , LP9002DC-E ^{2, 17, 18, 30, 33, 34} ; IBM: 00N6881 (QLA2200) ^{26, 27, 28} , 19K1246(QLA2310) ^{3, 10, 35} , 24P0960(QLA2340) ^{3, 10, 38} ; QLogic QLA2300F-E-SP ^{2, 3, 4}	FC-AL, FC-SW	Y	
64	xSeries x440	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58}	FC-AL, FC-SW	Y	
65	xSeries x360 ⁶	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58} , LP7000E-EMC ^{21, 22, 23, 24} , LP8000-EMC ^{18, 20, 30} , LP850-EMC ^{17, 18, 30} , LP9002-E (LP9002L-E) ^{2, 17, 18} , LP9002DC-E ^{2, 17, 18, 30, 33, 34} , LP9802-E ^{18, 33, 39, 40} , LP9802DC-E ^{2, 18, 39, 40} , LP982-E ^{18, 33, 39, 40} ; IBM: 00N6881 (QLA2200) ^{26, 27, 28} , 19K1246(QLA2310) ^{3, 10, 35} , 24P0960(QLA2340) ^{3, 10, 38} ; QLogic QLA2202F-EMC ²⁷	FC-AL, FC-SW	Y	

IBM – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
66	xSeries x235 ⁶	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58} , LP7000E-EMC ^{21, 22, 23, 24} , LP8000-EMC ^{18, 20, 30} , LP850-EMC ^{17, 18, 30} , LP9002DC-E ^{2, 17, 18, 30, 33, 34} , LP9802-E ^{18, 33, 39, 40} , LP9802DC-E ^{2, 18, 39, 40} , LP982-E ^{18, 33, 39, 40} ; IBM: 00N6881 (QLA2200) ^{26, 27, 28} , 19K1246(QLA2310) ^{3, 10, 35} , 24P0960(QLA2340) ^{3, 10, 38} ; QLogic QLA2202F-EMC ²⁷	FC-AL, FC-SW	Y	
67	eServer BladeCenter HS20 (Model: 8678) ⁵⁴ , 8832) ⁵⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{56, 57}	FC-AL, FC-SW	Y	
68	xSeries x360	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic: QLA2200F-EMC ²⁷ , QLA2310F-E-SP ^{3, 10} , QLA2340-E-SP ^{2, 3, 10, 31} , QLA2342-E-SP ^{2, 3, 10, 31}	FC-AL, FC-SW	Y	
69	xSeries x440 ⁶	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP8000-EMC ^{18, 20, 30} , LP9002-E (LP9002L-E) ^{2, 17, 18} , LP9802-E ^{18, 33, 39, 40} , LP9802DC-E ^{2, 18, 39, 40} , LP982-E ^{18, 33, 39, 40} ; QLogic: QLA2202F-EMC ²⁷ , QLA2310F-E-SP ^{2, 3, 10} , QLA2340-E-SP ^{2, 3, 10} , QLA2342-E-SP ^{2, 3, 10}	FC-AL, FC-SW	Y	
70	xSeries x440	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	QLogic QLA2200F-EMC ²⁷	FC-AL, FC-SW	Y	
71	xSeries x235 ⁶	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{17, 18, 30, 32, 33}	FC-AL, FC-SW	Y	
72	xSeries x235	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	QLogic: QLA2300F-E-SP ^{2, 3, 4} , QLA2310F-E-SP ^{2, 3, 10} , QLA2340-E-SP ^{2, 3, 10} , QLA2342-E-SP ^{2, 3, 10}	FC-AL, FC-SW	Y	
73	xSeries x440 ⁶	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	Emulex LP9002-E (LP9002L-E) ^{17, 18} ; QLogic QLA2310F-E-SP ^{3, 10}	FC-AL, FC-SW	Y	
74	xSeries x440	PCI-X	Microsoft Windows 2000 Datacenter: SP3 ¹ , SP4 ¹	QLogic QLA2342-E-SP ^{3, 10}	FC-AL, FC-SW	Y	
75	xSeries x235 ⁶	PCI-X	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC ²⁷	FC-AL, FC-SW	Y	
76	xSeries x235 ⁶	PCI-X	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{2, 17, 18} ; QLogic: QLA2300F-E-SP ^{2, 3, 4} , QLA2310F-E-SP ^{2, 3, 10} , QLA2340-E-SP ^{2, 3, 10} , QLA2342-E-SP ^{2, 3, 10}	FC-AL, FC-SW	Y	
77	xSeries x445	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC ²⁷	FC-AL, FC-SW	Y	
78	xSeries x445	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58} , LP7000E-EMC ^{21, 22, 23, 24} , LP8000-EMC ^{18, 20, 30} , LP850-EMC ^{17, 18, 30} , LP9002-E (LP9002L-E) ^{2, 17, 18} , LP9002DC-E ^{2, 17, 18, 30, 33, 34} , LP9802-E ^{18, 33, 39, 40} , LP9802DC-E ^{2, 18, 39, 40} , LP982-E ^{18, 33, 39, 40} ; IBM: 00N6881 (QLA2200) ^{26, 27, 28} , 19K1246(QLA2310) ^{3, 10, 35} , 24P0960(QLA2340) ^{3, 10, 38} ; QLogic: QLA2202F-EMC ²⁷ , QLA2300F-E-SP ^{2, 3, 4} , QLA2310F-E-SP ^{2, 3, 10} , QLA2340-E-SP ^{2, 3, 10} , QLA2342-E-SP ^{2, 3, 10}	FC-AL, FC-SW	Y	
79	xSeries x360 ⁶	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58} , LP7000E-EMC ^{21, 22, 23, 24} , LP8000-EMC ^{18, 20, 30} , LP850-EMC ^{17, 18, 30} , LP9802-E ^{18, 33, 39, 40} , LP9802DC-E ^{2, 18, 39, 40} , LP982-E ^{18, 33, 39, 40} ; QLogic: QLA2202F-EMC ²⁷ , QLA2300F-E-SP ^{2, 3, 4} , QLA2310F-E-SP ^{2, 3, 10} , QLA2340-E-SP ^{2, 3, 10} , QLA2342-E-SP ^{2, 3, 10}	FC-AL, FC-SW	Y	
80	xSeries x345 ⁶	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{21, 22, 23, 24} , LP8000-EMC ^{18, 20, 30} , LP850-EMC ^{17, 18, 30} ; IBM 00N6881 (QLA2200) ^{26, 27, 28} ; QLogic QLA2202F-EMC ²⁷	FC-AL, FC-SW	Y	
81	xSeries x345	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC ²⁷	FC-AL, FC-SW	Y	
82	xSeries x345 ⁶	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	Emulex: LP9002-E (LP9002L-E) ^{17, 18, 30, 32, 33} , LP9002DC-E ^{2, 17, 18, 30, 33, 34}	FC-AL, FC-SW	Y	
83	xSeries x345	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	QLogic: QLA2300F-E-SP ^{2, 3, 4} , QLA2310F-E-SP ^{2, 3, 10} , QLA2340-E-SP ^{2, 3, 10} , QLA2342-E-SP ^{2, 3, 10}	FC-AL, FC-SW	Y	
84	xSeries x345 ⁶	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58}	FC-AL, FC-SW	Y	
85	xSeries x440 ⁶	PCI, PCI-X	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{18, 29, 55} , LP10000DC-E ^{18, 29, 55} , LP1050-E ^{18, 55, 58} , LP1050DC-E ^{18, 55, 58} ; QLogic QLA2300F-E-SP ^{2, 3, 4}	FC-AL, FC-SW	Y	

IBM – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
86	xSeries x440 ⁶	PCI, PCI-X	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{18, 20} , QLLogic: QLA2200F-EMC, QLA2202F-EMC ²⁷	FC-AL, FC-SW	Y	
87	xSeries x445	PCI, PCI-X	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLLogic QLA2200F-EMC	FC-AL, FC-SW	Y	
88	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	QLLogic QLA2310F-E-SP2, 3, 10	FC-AL ¹¹ FC-SW	Y	See ³⁷
89	xSeries x370 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	QLLogic QLA2310F-E-SP2, 3, 10	FC-AL ¹¹ FC-SW	Y	
90	xSeries x370	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	QLLogic QLA2310F-E-SP10	FC-AL ¹¹ FC-SW	Y	
91	Netfinity 6000R	PCI	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLLogic QLA2310F-E-SP2, 10	FC-AL ¹¹ FC-SW	Y	
92	eServer BladeCenter HS20 (Model: 8678) ⁵⁴ , 8832) ⁵⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{51, 52} , 02R9080 ^{10, 50, 51, 52, 53}	FC-SW	Y	
93	xSeries x345 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec ASC-29160 ^{7, 8, 9}	U2 LVD	Y	
94	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec: ASC-29160 ^{7, 8, 9} , ASC-39160 ^{7, 8, 9}	U2 LVD	Y	
95	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	Adaptec: ASC-29160 ^{7, 8, 9} , ASC-39160 ^{7, 8, 9}	U2 LVD	Y	
96	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁵ , 7100, 7600; xSeries: X330 ⁶ , X335, X340 (4500R) ⁶ , X342 ⁶ , x230, x240 ⁶ , x250 ⁶ , x255 ⁶ , x350 (6000R) ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec: ASC-29160 ^{7, 8, 9} , ASC-39160 ^{7, 8, 9}	U2 LVD	Y	
97	Netfinity 8500R; xSeries x370 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Adaptec: ASC-29160 ^{7, 8, 9} , ASC-39160 ^{7, 8, 9}	U2 LVD	Y	
98	xSeries x345 ^{6, 49}	PCI	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec ASC-29160 ^{7, 8, 9}	U2 LVD	Y	
99	xSeries: x235 ⁶ , x360	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec: ASC-29160 ^{7, 8, 9} , ASC-39160 ^{7, 8, 9}	U2 LVD	Y	
100	xSeries x440 ⁶	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Adaptec ASC-29160 ^{7, 8, 9}	U2 LVD	Y	
101	xSeries x440	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Adaptec: ASC-29160 ^{7, 8, 9} , ASC-39160 ^{7, 8, 9}	U2 LVD	Y	
102	xSeries x360 ⁶	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec ASC-29160 ^{7, 8, 9}	U2 LVD	Y	
103	xSeries: x345, x445	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec: ASC-29160 ^{7, 8, 9} , ASC-39160 ^{7, 8, 9}	U2 LVD	Y	
104	xSeries x440 ⁶	PCI, PCI-X	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec ASC-29160 ^{7, 8, 9}	U2 LVD	Y	
105	Netfinity: 6000R, 8500	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	Adaptec AHA-3944AUWD ^{12, 16, 47}	UWD	Y	
106	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec AHA-2944UW ^{12, 13, 14, 15, 16} , HPQ: A5252A ^{12, 14, 41} , A5252B ^{12, 14, 41}	UWD	Y	

IBM – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
107	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	Adaptec AHA-2944UW ^{12, 13, 14, 15, 16} ; HPQ: A5252A ^{12, 14, 41} , A5252B ^{12, 14, 41}	UWD	Y	
108	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁵ , 7100, 7600; xSeries: X330 ⁶ , X335, X340 (4500R) ⁶ , X342 ⁶ , x230, x240 ⁶ , x250 ⁶ , x350 (6000R) ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec AHA-2944UW ^{12, 13, 14}	UWD	Y	
109	xSeries x255 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: A5252A ^{12, 14, 41} , A5252B ^{12, 14, 41}	UWD	Y	
110	xSeries x370 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Adaptec AHA-2944UW ^{12, 13, 14}	UWD	Y	
111	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Adaptec AHA-2944UW ^{12, 13, 14, 15, 16} ; HPQ: A5252A ^{12, 14, 41} , A5252B ^{12, 14, 41}	UWD	Y	
112	Netfinity 6000R; xSeries x255 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	Adaptec AHA-3944AUWD ^{12, 16}	UWD	Y	See ³⁷
113	Netfinity: 8500, 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	Adaptec AHA-3944AUWD ^{12, 16}	UWD	Y	See ³⁷
114	Netfinity 8500R; xSeries x255 ⁶	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Adaptec AHA-3944AUWD ^{12, 16, 47}	UWD	Y	
115	xSeries x235 ⁶	PCI-X	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Adaptec AHA-2944UW ^{12, 13, 14}	UWD	Y	

- EMC recommends that HBAs of different vendors not be used in the same host server.
 - QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
 - Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
 - Driver Version 8.2.1.20.
 - This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
 - For IBM xSeries Servers running Windows NT and Windows 2000 with IBM ServerRaid controller 4M, the ServerRaid Driver must be 6.00 or above for use with EMC PowerPath 3.0 and above. IBM driver can be downloaded at: <http://www-3.ibm.com/pc/support/site.wss/document.do?lnocid=MIGR-39723>
 - Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3-U2SD4L).
 - HBA BIOS is 3.10.0.
 - Driver Version 4.10.4002 set v1.02. (Native on Windows 2000 Installation CD-ROM)
 - Driver Version 8.2.3.21.
 - Supported by direct attach only
 - HBA BIOS is 2.20.
 - Requires Legacy PCI slot (not available on most new servers.)**
 - Driver Version 2.12s4.
 - Adaptec AHA-2944UW has been OEM'ed by HP as A5252A and A5252B.**
 - Driver Version 2.20b. (Native on Windows 2000 Installation CD-ROM)
 - Firmware Version 3.90a7.
 - Driver Version 2.21a7.
 - Not supported with the HP NetServer LC-2000.
 - The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
 - SNIA API Supported.
 - Driver/Firmware available at <http://www.emulex.com>
 - Driver Version 2.13a4.
 - Firmware Version 3.30a7.
 - For IBM Netfinity and xSeries Intel servers only.
 - (QLA2200) For IBM xSeries and Netfinity servers only.
 - Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
 - Driver Version 8.1.5.20.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
 - Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
 - Qlogic SANSurfer/SANBlade Manager is not supported.
 - The LP9002-E now ships with the LP9002L-E low profile adapter.
 - The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
 - Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.
- NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.
- This HBA is equivalent to the qLogic QLA2310.
 - Host must be offline for interfamily Symmetrix microcode upgrade.
 - EMC requires and supports only one port of the dual-channel adapter.
 - This HBA is equivalent to the qLogic QLA2340.
 - Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
 - Firmware Version 1.01a2.
 - (Adaptec AHA-2944UW)
 - Requires manual intervention on bootup to clear "new hardware found" message box at boot time.
 - The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
 - Does not support Connectrix DS-16M, DS-32M, or McData ED-5000

45. Driver Version 2.0.25.44. Driver available at http://h20004.www2.hp.com/keeper_notes/bsdmatrix/matrix213991.html
 46. (HHBA-5101BK-01)
 47. Supported via RPQ and only one of the two ports can be used.
 48. PowerPath supported. ATF/CDE not supported.
 49. It is recommended that the QLogic QLA2340 is not installed in Slot 1.
 50. Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.
 51. **Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
 52. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
 53. Due to the HS20's embedded FC-SW design, EMC Volume Logix is required to assign LUNS to each individual blade server.
 54. EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
 55. Firmware Version 1.80a3.
 56. **Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)**
 57. **Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.**
 58. **Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

NCR

NCR – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Worldmark: 4300, 4380, 4400, 47XX, 48XX, 52XX, S50	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC	FC-AL	Y
2	Worldmark 45xx	MCA	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 31, 32} , LP10000DC-E ^{10, 31, 32} , LP1050-E ^{10, 32, 34} , LP1050DC-E ^{10, 32, 34} , LP8000-EMC ^{9, 10} , LP9002-E (LP9002L-E) ¹⁰ , LP9002DC-E ^{10, 11, 15, 28, 29, 30} , LP9802-E ^{10, 26, 27} , LP9802DC-E ^{10, 15, 26, 27} , LP982-E ^{10, 26, 27, 28} ; QLogic: QLA2340-E-SP ¹⁷ , QLA2342-E-SP ¹⁷	FC-AL, FC-SW	Y
3	Worldmark 4475	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 22} , SP3 ¹ , SP4 ¹	LSI ITI7004G2 ^{23, 24} , QLogic QLA2204F ^{13, 25}	FC-AL, FC-SW	Y
4	Worldmark 4480	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	LSI ITI7004G2 ^{23, 33}	FC-AL, FC-SW	Y
5	Worldmark: 47XX, 48XX, 52XX, S50	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 31, 32} , LP10000DC-E ^{10, 31, 32} , LP1050-E ^{10, 32, 34} , LP1050DC-E ^{10, 32, 34} , LP7000E-EMC ^{5, 6, 7, 8} , LP8000-EMC ^{9, 10} , LP850-EMC ^{10, 11} , LP9002-E (LP9002L-E) ¹⁰ , LP9002DC-E ^{10, 11, 15, 28, 29, 30} , LP9802-E ^{10, 26, 27} , LP9802DC-E ^{10, 15, 26, 27} , LP982-E ^{10, 26, 27, 28} ; QLogic: QLA2202F-EMC ¹² , QLA2300F-E-SP ^{14, 15, 16} , QLA2340-E-SP ^{15, 16, 17} , QLA2342-E-SP ^{15, 16, 17}	FC-AL, FC-SW	Y
6	Worldmark: 4500, 4700, 4850, 4900, 4950, 5100 Series, 5150, 5250, 5300, 5350, 8550	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{10, 31, 32} , LP10000DC-E ^{10, 31, 32} , LP1050-E ^{10, 32, 34} , LP1050DC-E ^{10, 32, 34} , LP8000-EMC ^{9, 10} , LP9002-E (LP9002L-E) ¹⁰ , LP9002DC-E ^{10, 11, 15, 28, 29, 30} , LP9802-E ^{10, 26, 27} , LP9802DC-E ^{10, 15, 26, 27} , LP982-E ^{10, 26, 27, 28} ; QLogic: QLA2340-E-SP ¹⁷ , QLA2342-E-SP ¹⁷	FC-AL, FC-SW	Y
7	Worldmark: 4300, 4380, 4400	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{5, 6, 7, 8} , LP8000-EMC ^{9, 10} , LP850-EMC ^{10, 11} ; QLogic: QLA2202F-EMC ¹² , QLA2300F-E-SP ^{14, 15, 16} , QLA2310F-E-SP ^{15, 16, 17} , QLA2340-E-SP ^{15, 16, 17} , QLA2342-E-SP ^{15, 16, 17}	FC-AL, FC-SW	Y
8	Worldmark 4455	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic: QLA2202F-EMC ¹² , QLA2204F ^{12, 13}	FC-AL, FC-SW	Y
9	Worldmark 45xx	MCA	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2310F-E-SP ¹⁷	FC-AL ¹⁸ , FC-SW	Y
10	Worldmark: 47XX, 48XX, 52XX, S50	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2310F-E-SP ^{15, 16, 17}	FC-AL ¹⁸ , FC-SW	Y
11	Worldmark: 4500, 4700, 4850, 4900, 4950, 5100 Series, 5150, 5250, 5300, 5350, 8550	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2310F-E-SP ¹⁷	FC-AL ¹⁸ , FC-SW	Y

NCR – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
12	Worldmark: 4300, 4380, 4400, 47XX, 48XX, 52XX, S50	PCI	Microsoft Windows 2000 Advanced Server: SP2¹, 2², SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Adaptec ASC–29160 ^{19, 20, 21}	U2 LVD	Y
13	Worldmark: 4300, 4380, 4400, 47XX, 48XX, 52XX, S50	PCI	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Adaptec ASC–39160 ^{19, 20, 21}	U2 LVD	Y
14	Worldmark: 4300, 4380, 4400, 47XX, 48XX, 52XX, S50	PCI	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Adaptec AHA–2944UW ^{2, 3, 4}	UWD	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- HBA BIOS is 2.20.
- Requires Legacy PCI slot (not available on most new servers.)**
- Driver Version 2.12s4.
- SNIA API Supported.
- Driver/Firmware available at <http://www.emulex.com>
- Driver Version 2.13a4.
- Firmware Version 3.30a7.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- Driver Version 2.21a7.
- Firmware Version 3.90a7.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Driver Version 8.1.5.20.
- Driver Version 8.2.1.20.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.3.21.
- Supported by direct attach only
- Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3–U2SD4L).
- HBA BIOS is 3.10.0.
- Driver Version 4.10.4002 set v1.02. (Native on Windows 2000 Installation CD–ROM)
- Symmetrix 8000 Series & 66/67 support at MPRAS 3.02, Windows 2000 SP2.
- Requires package PSCSI302 Ver.02.10.10.09 or higher available from NCR.
- Driver Version 1.8.30.
- NCR recommended driver version is 8.0.8.1
- Firmware Version 1.01a2.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without –EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.

- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 1.80a3.
- Driver version 1.8.30
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

NE

NE – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	P7000	PCI	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Emulex: LP8000–EMC ^{14, 15, 16} , LP850–EMC ^{15, 16, 17} ; QLogic: QLA2200F–EMC ⁶ , QLA2202F–EMC ⁶ , QLA2300F–E–SP ^{10, 11, 13} , QLA2310F–E–SP ^{10, 11, 12} , QLA2340–E–SP ^{10, 11, 12} , QLA2342–E–SP ^{10, 11, 12}	FC–AL, FC–SW	Y
2	P7000	PCI	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Adaptec: ASC–29160 ^{7, 8, 9} , ASC–39160 ^{7, 8, 9}	U2 LVD	Y
3	P7000	PCI	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Adaptec AHA–2944UW ^{2, 3, 4, 5}	UWD	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- HBA BIOS is 2.20.
- Requires Legacy PCI slot (not available on most new servers.)**
- Driver Version 2.20b. (Native on Windows 2000 Installation CD–ROM)
- Driver Version 2.12s4.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3–U2SD4L).
- HBA BIOS is 3.10.0.
- Driver Version 4.10.4002 set v1.02. (Native on Windows 2000 Installation CD–ROM)
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.3.21.
- Driver Version 8.2.1.20.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Driver Version 2.21a7.
- Firmware Version 3.90a7.

NEC – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2310F-E-SP7, 9, 19	FC-AL	Y
2	Express 5800: 140Ma, 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC ⁵	FC-AL	Y
3	Express 5800 320Mc-R	PCI	Microsoft Windows 2000 Advanced Server SP3 ¹ , 32	QLogic QLA2310F-E-SP7, 9, 19	FC-AL, FC-SW	N
4	Express 5800: 320La-R ²⁰ , 320La ²⁰ , 320Lb-R ²⁰ , 320Lb ²⁰ , 330Ma-R ²⁰ , 330Mb-R ²⁰ , 340Ha-R ²⁰	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹	QLogic QLA2310F-E-SP7, 9, 19	FC-AL, FC-SW	N
5	Express 5800 320Mc-R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , 32, SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8803-031 (QLA2310F) ^{7, 19, 33}	FC-AL, FC-SW	N
6	Express 5800 140Ma	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP850-EMC ^{11, 12}	FC-AL, FC-SW	Y
7	Express 5800: 120Rd-2, 140Rb-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8190-105 ^{6, 11, 12, 13, 21}	FC-AL, FC-SW	Y
8	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC: N8190-105 ^{11, 12, 13} , N8190-105 ^{6, 11, 12, 13, 21} , N8503-200 ^{11, 12}	FC-AL, FC-SW	Y
9	Express 5800 120Md	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{11, 13, 30} , LP10000DC-E ^{11, 13, 30} , LP1050-E ^{11, 30, 31} , LP1050DC-E ^{11, 30, 31} , LP7000E-EMC ^{15, 16, 17, 18} , LP8000-EMC ^{11, 14, 24} , LP850-EMC ^{11, 12, 24} , LP9002-E (LP9002L-E) ^{6, 11, 12} , LP9002DC-E ^{6, 10, 11, 12, 21, 24} , LP9802-E ^{11, 21, 22, 23} , LP9802DC-E ^{6, 11, 22, 23} , LP982-E ^{11, 21, 22, 23} ; NEC: N8103-200 ^{11, 12, 13} , N8190-105 ^{6, 11, 12, 13, 21} , N8503-200 ^{10, 11, 12} ; QLogic: QLA2200F-EMC ⁵ , QLA2202F-EMC ⁵ , QLA2300F-E-SP ^{6, 7, 8} , QLA2310F-E-SP ^{6, 7, 9} , QLA2340-E-SP ^{6, 7, 9} , QLA2342-E-SP ^{6, 7, 9}	FC-AL, FC-SW	Y
10	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{11, 13, 30} , LP10000DC-E ^{11, 13, 30} , LP1050-E ^{11, 30, 31} , LP1050DC-E ^{11, 30, 31} , LP7000E-EMC ^{15, 16, 17, 18} , LP8000-EMC ^{11, 14, 24} , LP850-EMC ^{11, 12, 24} , LP9002-E (LP9002L-E) ^{6, 11, 12} , LP9002DC-E ^{6, 10, 11, 12, 21, 24} , LP9802-E ^{11, 21, 22, 23} , LP9802DC-E ^{6, 11, 22, 23} , LP982-E ^{11, 21, 22, 23} ; NEC: N8190-105 ^{6, 11, 12, 13, 21} , N8503-200 ^{10, 11, 12} ; QLogic: QLA2202F-EMC ⁵ , QLA2300F-E-SP ^{6, 7, 8} , QLA2310F-E-SP ^{6, 7, 9} , QLA2340-E-SP ^{6, 7, 9} , QLA2342-E-SP ^{6, 7, 9}	FC-AL, FC-SW	Y
11	Express 5800: 120Ra-2, 120Rc-2, 140Ha, 140Hb, 140Ra-4, 140Ra-7, 180Ha	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{11, 13, 30} , LP10000DC-E ^{11, 13, 30} , LP1050-E ^{11, 30, 31} , LP1050DC-E ^{11, 30, 31} , LP7000E-EMC ^{15, 16, 17, 18} , LP8000-EMC ^{11, 14} , LP850-EMC ^{11, 12} , LP9002-E (LP9002L-E) ^{6, 11, 12} , LP9002DC-E ^{6, 10, 11, 12, 21, 24} , LP9802-E ^{11, 21, 22, 23} , LP982-E ^{11, 21, 22, 23} ; NEC: N8103-200 ^{11, 12, 13} , N8190-105 ^{6, 11, 12, 13, 21} , N8503-200 ^{10, 11, 12} ; QLogic: QLA2200F-EMC, QLA2202F-EMC ⁵ , QLA2300F-E-SP ^{6, 7, 8} , QLA2310F-E-SP ^{6, 7, 9} , QLA2340-E-SP ^{6, 7, 9} , QLA2342-E-SP ^{6, 7, 9}	FC-AL, FC-SW	Y
12	Express 5800 140Ma	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{11, 13, 30} , LP10000DC-E ^{11, 13, 30} , LP1050-E ^{11, 30, 31} , LP1050DC-E ^{11, 30, 31} , LP9002-E (LP9002L-E) ^{6, 11, 12} , LP9002DC-E ^{6, 10, 11, 12, 21, 24} , LP9802-E ^{11, 21, 22, 23} , LP9802DC-E ^{6, 11, 22, 23} , LP982-E ^{11, 21, 22, 23} ; NEC: N8103-200 ^{11, 12, 13} , N8190-105 ^{6, 11, 12, 13, 21} , N8503-200 ^{10, 11, 12} ; QLogic: QLA2202F-EMC ⁵ , QLA2300F-E-SP ^{6, 7, 8} , QLA2310F-E-SP ^{6, 7, 9} , QLA2340-E-SP ^{6, 7, 9} , QLA2342-E-SP ^{6, 7, 9}	FC-AL, FC-SW	Y
13	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{15, 16, 17, 18} , LP8000-EMC ^{11, 14} , LP850-EMC ^{11, 12} ; NEC: N8103-200 ^{11, 12, 13} , N8103-200 ^{10, 11, 12, 13} , N8503-200 ^{10, 11, 12} ; QLogic: QLA2200F-EMC, QLA2202F-EMC ⁵	FC-AL, FC-SW	Y
14	Express 5800 180Rb-7	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{15, 16, 17, 18} , LP8000-EMC ^{11, 14} , LP850-EMC ^{11, 12} ; NEC: N8103-200 ^{11, 12, 13} , N8190-105 ^{6, 11, 12, 13, 21} , N8503-200 ^{10, 11, 12} ; QLogic: QLA2200F-EMC, QLA2202F-EMC ⁵	FC-AL, FC-SW	Y
15	Express 5800: 120Rd-2, 140Rb-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{15, 16, 17, 18} , LP8000-EMC ^{11, 14} , LP850-EMC ^{11, 12} ; NEC: N8103-200 ^{10, 11, 12, 13} , N8503-200 ^{10, 11, 12} ; QLogic: QLA2200F-EMC, QLA2202F-EMC ⁵	FC-AL, FC-SW	Y
16	Express 5800: 320La-R ²⁰ , 320La ²⁰ , 320Lb-R ²⁰ , 320Lb ²⁰ , 330Ma-R ²⁰ , 330Mb-R ²⁰ , 340Ha-R ²⁰	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8803-031 (QLA2310F) ^{6, 7, 9, 19, 28}	FC-AL, FC-SW	N
17	Express 5800: 120Rd-1, 120Rf-2, 140Hd	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP4 ¹	Emulex: LP10000-E ^{11, 13, 30} , LP10000DC-E ^{11, 13, 30} , LP1050-E ^{11, 30, 31} , LP1050DC-E ^{11, 30, 31} , LP9002-E (LP9002L-E) ^{6, 11, 12, 13, 21, 24, 29} , LP9002DC-E ^{6, 10, 11, 12, 13, 21, 24} , LP9802-E ^{11, 13, 23} , LP9802DC-E ^{11, 13, 23} , LP982-E ^{11, 13, 22, 23} ; QLogic: QLA2310F-E-SP ^{7, 9} , QLA2340-E-SP ^{7, 9} , QLA2342-E-SP ^{7, 9}	FC-AL, FC-SW	Y
18	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	NEC N8103-200 ^{11, 12, 13}	FC-AL, FC-SW	Y

NEC – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
19	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC ⁵	FC-AL, FC-SW	Y
20	Express 5800 180Rc-4	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹	QLogic QLA2200F-EMC	FC-AL, FC-SW	Y
21	Express 5800 180Rc-4	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	NEC N8103-200 ^{10, 11, 12, 13}	FC-AL, FC-SW	Y
22	Express 5800: 120Md, 120Rc-2, 140Hb, 140Ra-4, 140Ra-7, 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec: ASC-29160 ^{25, 26, 27} , ASC-39160 ^{25, 26, 27}	U2 LVD	Y
23	Express 5800: 120Md, 120Ra-2, 120Rc-2, 140Ha, 140Hb, 140Ma, 140Ra-4, 140Ra-7, 180Ha, 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec AHA-2944UW ^{2, 3, 4}	UWD	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- HBA BIOS is 2.20.
- Requires Legacy PCI slot (not available on most new servers.)
- Driver Version 2.12s4.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.1.20.
- Driver Version 8.2.3.21.
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.

- Driver Version 2.21a7.
- Firmware Version 3.90a7.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- SNIA API Supported.
- Driver/Firmware available at <http://www.emulex.com>
- Driver Version 2.13a4.
- Firmware Version 3.30a7.
- Qlogic SANSurfer/SANBlade Manager is not supported.
- Bus Enumeration Issue Causes Problems using SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.

By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.

The workaround is to perform "symcfg discover" after rebooting.

- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3-U2SD4L).
- HBA BIOS is 3.10.0.
- Driver Version 4.10.4002 set v1.02. (Native on Windows 2000 Installation CD-ROM)
- Qlogic SanBlade Manager is not supported.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Firmware Version 1.80a3.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
- Refer to the Stratus, Bull or NEC documentation for hardware, software and non-storage related setup and configuration.
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.

SUPERMICRO

SUPERMICRO – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Super: P3TDL3, S2DL3	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	Emulex: LP10000-E ^{8, 23, 24} , LP10000DC-E ^{8, 23, 24} , LP1050-E ^{8, 23, 25} , LP1050DC-E ^{8, 23, 25}	FC-AL, FC-SW	Y
2	Super P3TDL3 ⁵	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2300F-E-SP2, 3, 6	FC-AL, FC-SW	Y
3	Super S2DL3 ⁵	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{13, 14, 15, 16} , LP8000-EMC ^{7, 8, 17} , LP850-EMC ^{7, 8, 9} , LP9002-E (LP9002L-E) ^{2, 7, 8, 9} , LP9002DC-E ^{2, 7, 8, 9, 10, 11} ; QLogic: QLA2200F-EMC ¹² , QLA2202F-EMC ¹² , QLA2300F-E-SP2, 3, 6, QLA2310F-E-SP2, 3, 4, QLA2340-E-SP2, 3, 4, QLA2342-E-SP2, 3, 4	FC-AL, FC-SW	Y
4	Super P3TDL3 ⁵	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{13, 14, 15, 16} , LP8000-EMC ^{7, 8, 17} , LP850-EMC ^{7, 8, 9} , LP9002-E (LP9002L-E) ^{2, 7, 8, 9} , LP9002DC-E ^{2, 7, 8, 9, 10, 11} ; QLogic: QLA2200F-EMC ¹² , QLA2202F-EMC ¹² , QLA2310F-E-SP2, 3, 4, QLA2340-E-SP2, 3, 4, QLA2342-E-SP2, 3, 4	FC-AL, FC-SW	Y
5	Super: P3TDL3, S2DL3	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP9802-E ^{8, 21, 22} , LP9802DC-E ^{2, 8, 21, 22} , LP982-E ^{8, 10, 21}	FC-AL, FC-SW	Y
6	Super: P3TDL3 ⁵ , S2DL3 ⁵	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{8, 23, 24} , LP10000DC-E ^{8, 23, 24} , LP1050-E ^{8, 23, 25} , LP1050DC-E ^{8, 23, 25}	FC-AL, FC-SW	Y
7	Super P3TDL3	PCI	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2300F-E-SP2, 3, 6	FC-AL, FC-SW	Y

SUPERMICRO – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
8	Super: P3TDL3, S2DL3	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Adaptec: ASC-29160 ^{18, 19, 20} , ASC-39160 ^{18, 19, 20}	U2 LVD	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.3.21.
- 64-bit slots for 3.3v HBAs only.
- Driver Version 8.2.1.20.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Driver Version 2.21a7.
- Firmware Version 3.90a7.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

- NOTE: LP8000/850 HBAs without –EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
 - SNIA API Supported.
 - Driver/Firmware available at <http://www.emulex.com>
 - Driver Version 2.13a4.
 - Firmware Version 3.30a7.
 - The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
 - Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3–U2SD4L).
 - HBA BIOS is 3.10.0.
 - Driver Version 4.10.4002 set v1.02. (Native on Windows 2000 Installation CD–ROM)
 - Firmware Version 1.01a2.
 - Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
 - Firmware Version 1.80a3.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.

Stratus

Stratus – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	ftServer 6500 ^{4, 5, 8, 18, 19, 20}	PCI	Microsoft Windows 2000 Advanced Server SP3 ^{1, 17}	QLogic QLA2310F–E–SP2, 3, 10	FC–AL, FC–SW	N
2	ftServer: 3210 ^{4, 5, 6, 7, 8, 9} , 3220 ^{4, 5, 6, 7, 8, 9} , 3300 ^{4, 8, 14, 15, 16} , 5200 ^{4, 5, 11, 12, 13}	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ^{1, 17} , SP4 ¹	QLogic QLA2310F–E–SP2, 3, 10	FC–AL, FC–SW	N
3	ftServer: 5240 ^{4, 5, 8, 18, 19, 20} , 5600 ^{8, 21} , 6600 ^{8, 21}	PCI	Microsoft Windows 2000 Advanced Server: SP3 ^{1, 17} , SP4 ¹	QLogic QLA2310F–E–SP2, 3, 10	FC–AL, FC–SW	N

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Supports SANSurfer/SANBlade Manager is not supported.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Bus Enumeration Issue Causes Problems using SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.
By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.
The workaround is to perform "symcfg discover" after rebooting.

- Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
- Supports Stratus OS 1.2.2.X through 2.1.X.
 - Requires Stratus ftServer OS 1.4.x or greater.
 - ftServer OS 2.1.x requires PowerPath 3.0.5 or greater.
 - ftServer OS 1.4.x requires PowerPath 3.0.2.
 - Driver Version 8.2.3.21.
 - Supports Stratus OS 1.2.2.X through 1.4.X.
 - Requires Stratus ftServer OS 1.4.x.
 - Requires PowerPath 3.0.2.
 - Supports Stratus OS 2.0.X through 2.1.X.
 - Requires Stratus ftServer OS 2.0.x or greater.
 - ftServer OS 2.0.x requires PowerPath 3.0.2.
 - Refer to the Stratus, Bull or NEC documentation for hardware, software and non–storage related setup and configuration.
 - Supports Stratus OS 1.3.X through 2.1.X.
 - ftServer OS 1.4 requires PowerPath 3.0.2.
 - Requires Stratus ftServer OS 1.4.x or 2.1.x.
 - Requires Stratus ftServer OS 2.1.x.

Unisys

Unisys – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Libra Model 180 ^{12, 13}	Mainframe Bus, PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2202F–EMC ¹⁸ ; Unisys: FCH720111–P64 (LP8000–D1) ^{5, 6} , FCH720113–P64 (LP8000–EMC, LP8000–F1) ^{5, 6}	FC–AL, FC–SW	Y
2	Libra Model 185	Mainframe Bus, PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys: FCH720111–P64 (LP8000–D1) ^{5, 6} , FCH720113–P64 (LP8000–EMC, LP8000–F1) ^{5, 6}	FC–AL, FC–SW	Y
3	Libra Model 185	Mainframe Bus, PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2202F–EMC ¹⁸	FC–AL, FC–SW	Y
4	Libra Model 185	Mainframe Bus, PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP9002–E (LP9002L–E) ^{5, 6} , LP9002DC–E ^{5, 6} , 7, 14, 17, 24	FC–AL, FC–SW	Y
5	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	Emulex LP9002–E (LP9002L–E) ^{5, 6, 7}	FC–AL, FC–SW	Y
6	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	Emulex: LP9802–E ^{6, 14, 16} , LP982–E ^{6, 14, 16, 17}	FC–AL, FC–SW	Y

Unisys – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
7	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000–E ^{6, 10, 25} , LP10000DC–E ^{6, 10, 25} , LP1050–E ^{6, 25, 27} , LP1050DC–E ^{6, 25, 27}	FC–AL, FC–SW	Y
8	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000–E ^{6, 10, 25} , LP10000DC–E ^{6, 10, 25} , LP1050–E ^{6, 25, 27} , LP1050DC–E ^{6, 25, 27} , LP9802DC–E ^{6, 14, 15, 16} ; Unisys FCH732213–P64 (LP9002L–F2) ^{6, 7}	FC–AL, FC–SW	Y
9	ES7000/100; ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000–E ^{6, 10, 25} , LP10000DC–E ^{6, 10, 25} , LP1050–E ^{6, 25, 27} , LP1050DC–E ^{6, 25, 27} ; Unisys FCH732213–P64 (LP9002L–F2) ^{6, 7}	FC–AL, FC–SW	Y
10	ES7000/550	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys FCH732213–P64 (LP9002L–F2) ^{6, 7}	FC–AL, FC–SW	Y
11	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server SP2¹	Emulex LP9002DC–E ^{5, 6, 7, 14, 17, 24}	FC–AL, FC–SW	Y
12	CS7101 ¹²	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000–EMC ^{5, 11} , LP850–EMC ^{5, 6} , LP9002–E (LP9002L–E) ^{5, 6} , LP9002DC–E ^{5, 6} , LP982–E ^{6, 16} ; QLogic: QLA2202F–EMC, QLA2340–E–SP ^{22, 23}	FC–AL, FC–SW	Y
13	ES2023; ES2024; ES2025; ES2043; ES2044; ES2045; ES2085; ES5024; ES5043; ES5044; ES5045; ES5085	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys: FCH720111–P64 (LP8000–D1) ^{5, 6} , FCH720113–P64 (LP8000–EMC, LP8000–F1) ^{5, 6, 7}	FC–AL, FC–SW	Y
14	ES7000/100; ES7000/200; ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	QLogic QLA2202F–EMC ¹⁸	FC–AL, FC–SW	Y
15	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Unisys FCH732213–P64 (LP9002L–F2) ^{6, 7}	FC–AL, FC–SW	Y
16	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	Emulex LP9002–E (LP9002L–E) ^{5, 6, 9}	FC–AL, FC–SW	Y
17	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000–EMC ^{5, 6, 11} , LP9002–E (LP9002L–E) ^{5, 6, 9} , LP9002DC–E ^{5, 6, 7, 14, 17, 24} ; QLogic QLA2340–E–SP ^{14, 23} ; Unisys FCH732213–P64 (LP9002L–F2) ^{6, 7}	FC–AL, FC–SW	Y
18	ES7000/200; ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP9802–E ^{6, 15, 16} , LP9802DC–E ^{6, 14, 15, 16} , LP982–E ^{6, 15, 16, 17} ; Unisys FCH732213–P64 (LP9002L–F2) ^{6, 7}	FC–AL, FC–SW	Y
19	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server SP2 ¹	Emulex LP8000–EMC ^{5, 6, 11} ; QLogic: QLA2340–E–SP ^{14, 23} , QLA2342–E–SP ^{14, 23}	FC–AL, FC–SW	Y
20	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server SP2 ¹	Emulex: LP8000–EMC ^{5, 6, 11} , LP9002–E (LP9002L–E) ^{5, 6, 9} , LP9002DC–E ^{5, 6, 7, 14, 17, 24} ; QLogic: QLA2340–E–SP ^{14, 23} , QLA2342–E–SP ^{14, 23}	FC–AL, FC–SW	Y
21	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	QLogic QLA2342–E–SP ^{14, 23}	FC–AL, FC–SW	Y
22	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP9802–E ^{6, 14, 15, 16} , LP982–E ^{6, 14, 15, 16, 17}	FC–AL, FC–SW	Y
23	ES7000/230	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	Emulex: LP9802–E ^{6, 15, 16} , LP982–E ^{6, 15, 16, 17}	FC–AL, FC–SW	Y
24	ES7000/230	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000–EMC ^{6, 7, 11} ; QLogic QLA2200F–EMC ¹⁸	FC–AL, FC–SW	Y
25	CS7211	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000–E ^{6, 10, 25} , LP10000DC–E ^{6, 10, 25} , LP1050–E ^{6, 25, 27} , LP1050DC–E ^{6, 25, 27} ; Unisys: FCH720111–P64 (LP8000–D1) ^{5, 6} , FCH720113–P64 (LP8000–EMC, LP8000–F1) ^{5, 6} , FCH732213–P64 (LP9002L–F2) ⁶	FC–AL, FC–SW	Y
26	ES7000/200	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000–EMC ^{6, 7, 11} , LP9002–E (LP9002L–E) ^{5, 6, 9, 10} ; QLogic QLA2200F–EMC ¹⁸	FC–AL, FC–SW	Y
27	ES7000/100	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000–EMC ^{6, 7, 11} , LP9002–E (LP9002L–E) ^{5, 6, 10}	FC–AL, FC–SW	Y
28	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	Emulex: LP8000–EMC ^{5, 6, 10, 11} , LP9002–E (LP9002L–E) ^{5, 6, 9, 10} , LP9002DC–E ^{5, 6, 7, 10, 14, 17, 24} ; QLogic: QLA2340–E–SP ^{14, 22, 23} , QLA2342–E–SP ^{14, 22, 23}	FC–AL, FC–SW	Y
29	ES7000/100	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	Emulex: LP8000–EMC ^{5, 6, 10, 11} , LP9002DC–E ^{5, 6, 7, 10, 14, 17, 24} ; QLogic: QLA2310F–E–SP ^{22, 23} , QLA2340–E–SP ^{22, 23} , QLA2342–E–SP ^{22, 23}	FC–AL, FC–SW	Y

Unisys – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
30	ES7000/200	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{5, 6, 10, 11} , LP9002DC-E ^{5, 6, 7, 10, 14, 17, 24} ; QLogic: QLA2340-E-SP ^{14, 22, 23} , QLA2342-E-SP ^{14, 22, 23}	FC-AL, FC-SW	Y
31	ES7000/230	PCI	Microsoft Windows 2000 Datacenter: SP3 ¹ , SP4 ¹	QLogic QLA2342-E-SP ^{14, 22, 23}	FC-AL, FC-SW	Y
32	ES7000/200	PCI	Microsoft Windows 2000 Server SP2 ¹	Emulex LP9002-E (LP9002L-E) ^{5, 6, 7, 9}	FC-AL, FC-SW	Y
33	ES7000/200	PCI	Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{5, 6, 7, 9, 10}	FC-AL, FC-SW	Y
34	ES7000/100	PCI	Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{5, 6, 7, 10}	FC-AL, FC-SW	Y
35	CS7211	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Datacenter SP2 ¹ , Datacenter SP3 ¹ , Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP9002-E (LP9002L-E) ^{5, 6} , LP9002DC-E ^{5, 6, 7, 14, 17, 24} ; QLogic QLA2202F-EMC ¹⁸	FC-AL, FC-SW	Y
36	ES7000/100	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹	Emulex: LP9002-E (LP9002L-E) ^{5, 6, 7} , LP9002DC-E ^{5, 6, 7, 14, 17, 24}	FC-AL, FC-SW	Y
37	CS7201 ¹² ; LX7100; Libra Model 180 ^{12, 13}	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP9002-E (LP9002L-E) ^{5, 6} , LP9002DC-E ^{5, 6, 7, 14, 17, 24} ; QLogic QLA2202F-EMC ¹⁸	FC-AL, FC-SW	Y
38	ES3000	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Professional: SP1 ¹ , SP2 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys: FCH732213-P64 (LP9002L-F2) ^{5, 6} , FCH742313-P64 (LP9802) ^{16, 26}	FC-AL, FC-SW	Y
39	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys FCH720111-P64 (LP8000-D1) ^{5, 6}	FC-AL ⁸ , FC-SW	Y
40	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{5, 6, 7}	FC-AL ⁸ , FC-SW	Y
41	ES7000/100; ES7000/200; ES7000/550	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys: FCH720111-P64 (LP8000-D1) ^{5, 6} , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{5, 6, 7}	FC-AL ⁸ , FC-SW	Y
42	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2310F-E-SP ^{14, 23}	FC-AL ⁸ , FC-SW	Y
43	ES7000/200; ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server SP2 ¹	QLogic QLA2310F-E-SP ^{14, 23}	FC-AL ⁸ , FC-SW	Y
44	ES7000/200; ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	QLogic QLA2310F-E-SP ^{14, 22, 23}	FC-AL ⁸ , FC-SW	Y
45	ES7000/230	PCI	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys FCH720111-P64 (LP8000-D1) ^{5, 6, 7}	FC-AL ⁸ , FC-SW	Y
46	ES7000/100; ES7000/200; ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Adaptec: ASC-29160 ^{19, 20, 21} , ASC-39160 ^{19, 20, 21}	U2 LVD	Y
47	ES7000/100; ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Unisys PCI 400-2UD ^{2, 3, 4}	UWD	Y
48	ES7000/100; ES7000/200	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Adaptec AHA-3944AUWD ^{2, 3, 4}	UWD	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- HBA BIOS is 1.31.
- Supported via RPQ and only one of the two ports can be used.
- Driver Version 2.20b. (Native on Windows 2000 Installation CD-ROM)
- Firmware Version 3.90a7.
- Driver Version 2.21a7.
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.

- Supported by direct attach only
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Hardware and adapters similar to Unisys ES7000-100, ES7000-200.
- The Libra 18x includes native MCP, and Virtual Machine for MCP (Windows MCPvm) partitions
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3-U2SD4L).
- HBA BIOS is 3.10.0.
- Driver Version 4.10.4002 set v1.02. (Native on Windows 2000 Installation CD-ROM)
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.3.21.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Firmware Version 1.80a3.
- Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.

Microsoft Windows 2003

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiON non-disruptive upgrades for Windows systems booting from CLARiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

Bull

Bull – Microsoft Windows 2003						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800: 320Lb, 320Lb-R, 330Mb-R ^{6, 7} , 340Ha-R	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	QLogic QLA2310F-E-SP ^{2, 3, 4, 5}	FC-AL, FC-SW	N
2	NovaScale: 4020 (Itanium2), 4040 (Itanium2), 5080 (Itanium2), 5160 (Itanium2)	PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex LP9802-E ^{8, 9, 10, 11, 12, 13}	FC-AL, FC-SW	N

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
3. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
4. Qlogic SANSurfer/SANBlade Manager is not supported.
5. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
6. Supports Stratus OS 1.3.X through 2.1.X.
7. Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
8. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
9. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
10. Emulex driver and BIOS available from <http://www.emulex.com>.
11. PowerPath requires driver 1.01x1 with Firmware 1.01A2 and StorPORT fix Q823728
12. Driver Version Emulex SCSI port driver v2.21a7.
13. Driver Version Emulex StorPORT driver v1.01x1.

Dell

Dell – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge: 1550, 2450, 2500, 2550 ⁹ , 6400, 6450, 8450; PowerVault: 770N, 775N	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 5, 10} , LP10000DC-E ^{3, 5, 10} , LP1050-E ^{3, 5, 10} , LP1050DC-E ^{3, 5, 10} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9002DC-E ^{3, 4, 5} , LP9802-E ^{3, 5, 6} , LP9802DC-E ^{3, 5, 6} , LP982-E ^{3, 5, 6} , QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y	
2	PowerEdge 3250 (Itanium 2)	PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP10000-E ^{10, 12} , LP10000DC-E ^{10, 12} , LP1050-E ^{10, 12} , LP1050DC-E ^{10, 12} , LP9802-E ^{6, 12} , LP9802DC-E ^{6, 12} , LP982-E ^{6, 12} ; QLogic: QLA2340-E-SP ⁷ , QLA2342-E-SP ⁷	FC-AL, FC-SW	N	See ¹¹
3	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6600, 6650	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 5, 10} , LP10000DC-E ^{3, 5, 10} , LP1050-E ^{3, 5, 10} , LP1050DC-E ^{3, 5, 10} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9002DC-E ^{3, 4, 5} , LP9802-E ^{3, 5, 6} , LP9802DC-E ^{3, 5, 6} , LP982-E ^{3, 5, 6} , QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y	

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
3. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
4. Firmware Version 3.90a7.
5. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
6. Firmware Version 1.01a2.
7. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
8. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
9. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
10. Firmware Version 1.80a3.
11. No EMC Layered Applications supported on IA64 server platforms
12. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

Fujitsu Siemens

Fujitsu Siemens – Microsoft Windows 2003						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450, RX100, T850	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9802-E ^{3, 5, 6}	FC-AL, FC-SW	Y
2	Primergy: F250 ⁷ , H250 ⁷ , H450, N800, RX200, RX300, TX200, TX300	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9802-E ^{3, 5, 6}	FC-AL, FC-SW	Y
3	Primergy: RX600, RX800, TX600	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9802-E ^{3, 5, 6}	FC-AL, FC-SW	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
3. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
4. Firmware Version 3.90a7.
5. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
6. Firmware Version 1.01a2.

7. Must use standard PCI 32bit/33MHz slot for SCSI

HPQ

HPQ – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Proliant 7000 ^{3, 12}	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex LP9002-E (LP9002L-E) ^{4, 5, 6} , HPQ FCA2101 (LP952) ^{5, 13, 14, 15}	FC-AL, FC-SW	Y	
2	Proliant: 8500, DL320 ³ , DL360(G2) ³ , DL360 ³ , DL380(G2) ³ , DL380(G3), DL380 ³ , DL580 ³ , ML350(G2) ³ , ML350(G3), ML350 ³ , ML370(G2), ML370(G3), ML370 ³ , ML530(G2) ³ , ML530 ³ , ML570 ³ , ML750 ³	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{4, 5, 11} , LP10000DC-E ^{4, 5, 11} , LP1050-E ^{4, 5, 11} , LP1050DC-E ^{4, 5, 11} , LP8000-EMC ^{2, 4, 5, 6} , LP9002-E (LP9002L-E) ^{4, 5, 6} , LP9002DC-E ^{4, 5, 6} , LP9802-E ^{4, 5, 7} , LP9802DC-E ^{4, 5, 7} , LP982-E ^{4, 5, 7} , HPQ: A7298A (LP982) ^{4, 5, 7} , DS-KGPSA-CA (LP8000) ^{4, 5, 6} , DS-KGPSA-CB (LP8000) ^{4, 5, 6} , DS-KGPSA-CY (LP8000) ^{4, 5, 6} , FCA2101 (LP952) ^{5, 13, 14, 15} , FCA2214 (QLA2340) ^{8, 9} , FCA2214DC (QLA2342) ^{8, 9} , FCA2384 (LP9802) ^{4, 5, 7} , FCA2404 (LP9802) ^{4, 5, 7} , FCA2404DC (LP9802DC) ^{4, 5, 7} , FCA2408 (LP982) ^{4, 5, 7} , QLLogic: QLA2310F-E-SP ^{8, 9} , QLA2340-E-SP ^{8, 9} , QLA2342-E-SP ^{8, 9}	FC-AL, FC-SW	Y	
3	Proliant 3000 ³	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP8000-EMC ^{2, 4, 5, 6} , LP9002-E (LP9002L-E) ^{4, 5, 6} , HPQ: DS-KGPSA-CA (LP8000) ^{4, 5, 6} , DS-KGPSA-CB (LP8000) ^{4, 5, 6} , DS-KGPSA-CY (LP8000) ^{4, 5, 6} , FCA2101 (LP952) ^{5, 13, 14, 15}	FC-AL, FC-SW	Y	
4	Proliant 6500 ^{3, 12}	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP8000-EMC ^{2, 4, 5, 6} , LP9002-E (LP9002L-E) ^{4, 5, 6} , LP9002DC-E ^{4, 5, 6} , HPQ: DS-KGPSA-CA (LP8000) ^{4, 5, 6} , DS-KGPSA-CB (LP8000) ^{4, 5, 6} , DS-KGPSA-CY (LP8000) ^{4, 5, 6} , FCA2101 (LP952) ^{5, 13, 14, 15} , FCA2214 (QLA2340) ^{8, 9} , FCA2214DC (QLA2342) ^{8, 9} , QLLogic: QLA2310F-E-SP ^{8, 9} , QLA2340-E-SP ^{8, 9} , QLA2342-E-SP ^{8, 9}	FC-AL, FC-SW	Y	
5	Proliant: BL40p, DL360(G3), DL560, DL740, DL760 (G2), DL760 ³ , ML570(G2)	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{4, 5, 11} , LP10000DC-E ^{4, 5, 11} , LP1050-E ^{4, 5, 11} , LP1050DC-E ^{4, 5, 11} , LP8000-EMC ^{2, 4, 5, 6} , LP9002-E (LP9002L-E) ^{4, 5, 6} , LP9002DC-E ^{4, 5, 6} , LP9802-E ^{4, 5, 7} , LP9802DC-E ^{4, 5, 7} , LP982-E ^{4, 5, 7} , HPQ: A7298A (LP982) ^{4, 5, 7} , DS-KGPSA-CA (LP8000) ^{4, 5, 6} , DS-KGPSA-CB (LP8000) ^{4, 5, 6} , DS-KGPSA-CY (LP8000) ^{4, 5, 6} , FCA2101 (LP952) ^{5, 13, 14, 15} , FCA2214 (QLA2340) ^{8, 9} , FCA2214DC (QLA2342) ^{8, 9} , FCA2384 (LP9802) ^{4, 5, 7} , FCA2404 (LP9802) ^{4, 5, 7} , FCA2404DC (LP9802DC) ^{4, 5, 7} , FCA2408 (LP982) ^{4, 5, 7} , QLLogic: QLA2310F-E-SP ^{8, 9} , QLA2340-E-SP ^{8, 9} , QLA2342-E-SP ^{8, 9}	FC-AL, FC-SW	Y	
6	Proliant BL20p (G2)	PCI-X ¹⁰	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	HPQ Dual-port mezzanine controller card ^{8, 9}	FC-AL, FC-SW	Y	
7	Integrity: RX2600 (Itanium2), RX5670 (Itanium2)	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP10000-E ¹⁷ , LP10000DC-E ¹⁷ , LP1050-E ¹⁷ , LP1050DC-E ¹⁷ , LP8000-EMC ^{2, 6, 17} , LP9002-E (LP9002L-E) ^{6, 17} , LP9002DC-E ^{6, 17} , LP9802-E ¹⁷ , LP9802DC-E ¹⁷ , LP982-E ¹⁷ , HPQ AB232A (LP9802) ^{7, 17} , QLLogic: QLA2310F-E-SP ⁸ , QLA2340-E-SP ⁸ , QLA2342-E-SP ⁸	FC-AL, FC-SW	N	See ¹⁶
8	Proliant: DL380(G2) ³ , DL380(G3), DL380 ³ , DL580(G2) ³ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{4, 5, 11} , LP10000DC-E ^{4, 5, 11} , LP1050-E ^{4, 5, 11} , LP1050DC-E ^{4, 5, 11} , LP8000-EMC ^{2, 4, 5, 6} , LP9002-E (LP9002L-E) ^{4, 5, 6} , LP9002DC-E ^{4, 5, 6} , LP9802-E ^{4, 5, 7} , LP9802DC-E ^{4, 5, 7} , LP982-E ^{4, 5, 7} , HPQ: A7298A (LP982) ^{4, 5, 7} , DS-KGPSA-CA (LP8000) ^{4, 5, 6} , DS-KGPSA-CB (LP8000) ^{4, 5, 6} , DS-KGPSA-CY (LP8000) ^{4, 5, 6} , FCA2101 (LP952) ^{5, 13, 14, 15} , FCA2214 (QLA2340) ^{8, 9} , FCA2214DC (QLA2342) ^{8, 9} , FCA2384 (LP9802) ^{4, 5, 7} , FCA2404 (LP9802) ^{4, 5, 7} , FCA2404DC (LP9802DC) ^{4, 5, 7} , FCA2408 (LP982) ^{4, 5, 7} , QLLogic: QLA2310F-E-SP ^{8, 9} , QLA2340-E-SP ^{8, 9} , QLA2342-E-SP ^{8, 9}	FC-AL, FC-SW	Y	
9	Proliant: 6500 ^{3, 12} , 8500, DL320 ³ , DL360(G2) ³ , DL360 ³ , DL380(G2) ³ , DL380(G3), DL380 ³ , DL580 ³ , ML350(G2) ³ , ML350(G3), ML350 ³ , ML370(G2), ML370(G3), ML370 ³ , ML530(G2) ³ , ML530 ³ , ML570 ³ , ML750 ³	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	HPQ: FCA2354 (LP9002) ^{4, 5, 6} , FCA2355 (LP9002DC) ^{4, 5, 6}	FC-SW	Y	
10	Proliant: BL40p, DL360(G3), DL560, DL740, DL760 (G2), DL760 ³ , ML570(G2)	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	HPQ: FCA2354 (LP9002) ^{4, 5, 6} , FCA2355 (LP9002DC) ^{4, 5, 6}	FC-SW	Y	
11	Proliant: DL380(G2) ³ , DL380(G3), DL380 ³ , DL580(G2) ³ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	HPQ: FCA2354 (LP9002) ^{4, 5, 6} , FCA2355 (LP9002DC) ^{4, 5, 6}	FC-SW	Y	

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Firmware Version 3.90a7.
- Firmware Version 1.01a2.
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Dual port PCI-X fibre channel mezzanine card option is embedded. No PCI/PCI-X slots available.

11. Firmware Version 1.80a3.
12. Includes both Pentium PRO and XEON models
13. **Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.**
14. Driver Version 2.21a7. EMC does not support the Emulex equivalent of the FCA2101 (LP952.) Use EMC supported driver for LP9002 from <http://www.emulex.com>.
15. Firmware Version 3.90a7. Contact HPQ for supported firmware versions for this HBA.
16. **No EMC Layered Applications supported on IA64 server platforms**
17. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

IBM

IBM – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x350 (6000R), x370	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 5, 18} , LP10000DC-E ^{3, 5, 18} , LP1050-E ^{3, 5, 18} , LP1050DC-E ^{3, 5, 18} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9002DC-E ^{3, 4, 5} , LP9802-E ^{3, 5, 6} , LP9802DC-E ^{3, 5, 6} , LP982-E ^{3, 5, 6} ; IBM: 19K1246(QLA2310) ^{7, 8, 10} , 24P0960(QLA2340) ^{7, 8, 9} ; QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y	
2	xSeries: x235, x255, x360, x440	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 5, 18} , LP10000DC-E ^{3, 5, 18} , LP1050-E ^{3, 5, 18} , LP1050DC-E ^{3, 5, 18} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9002DC-E ^{3, 4, 5} , LP9802-E ^{3, 5, 6} , LP9802DC-E ^{3, 5, 6} , LP982-E ^{3, 5, 6} ; IBM: 19K1246(QLA2310) ^{7, 8, 10} , 24P0960(QLA2340) ^{7, 8, 9} ; QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y	
3	eServer BladeCenter HS20 (Model: 8678) ¹¹ , 8832 ¹¹	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{19, 20}	FC-AL, FC-SW	Y	
4	xSeries x450	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP10000-E ^{18, 22} , LP10000DC-E ^{18, 22} , LP1050-E ^{18, 22} , LP1050DC-E ^{18, 22} , LP9802-E ^{6, 22} , LP9802DC-E ^{6, 22} , LP982-E ^{6, 22} ; QLogic: QLA2340-E-SP ⁷ , QLA2342-E-SP ⁷	FC-AL, FC-SW	N	See ²¹
5	xSeries: x345, x445	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 5, 18} , LP10000DC-E ^{3, 5, 18} , LP1050-E ^{3, 5, 18} , LP1050DC-E ^{3, 5, 18} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9002DC-E ^{3, 4, 5} , LP9802-E ^{3, 5, 6} , LP9802DC-E ^{3, 5, 6} , LP982-E ^{3, 5, 6} ; IBM: 19K1246(QLA2310) ^{7, 8, 10} , 24P0960(QLA2340) ^{7, 8, 9} ; QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y	
6	eServer BladeCenter HS20 (Model: 8678) ¹¹ , 8832 ¹¹	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{12, 13, 14, 15, 16, 17} , 02R9080 ^{15, 17}	FC-SW	Y	

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
3. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
4. Firmware Version 3.90a7.
5. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
6. Firmware Version 1.01a2.
7. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
8. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
9. This HBA is equivalent to the QLogic QLA2340.
10. This HBA is equivalent to the QLogic QLA2310.
11. EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
12. Driver Version 8.2.3.21.
13. Driver Version 8.2.3.27. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
14. **Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.**
15. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

16. Due to the HS20's embedded FC-SW design, EMC Volume Logix is required to assign LUNS to each individual blade server.
17. **Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
18. Firmware Version 1.80a3.
19. **Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)**
20. **Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.**
21. **No EMC Layered Applications supported on IA64 server platforms**
22. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

NCR

NCR – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Worldmark 45xx	MCA	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 4, 9} , LP10000DC-E ^{3, 4, 9} , LP1050-E ^{3, 4, 9} , LP1050DC-E ^{3, 4, 9} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9002DC-E ^{3, 4, 5} , LP9802-E ^{3, 4, 6} , LP9802DC-E ^{3, 4, 6} , LP982-E ^{3, 4, 6} ; QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y	
2	Worldmark: 4500, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 4, 9} , LP10000DC-E ^{3, 4, 9} , LP1050-E ^{3, 4, 9} , LP1050DC-E ^{3, 4, 9} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9002DC-E ^{3, 4, 5} , LP9802-E ^{3, 4, 6} , LP9802DC-E ^{3, 4, 6} , LP982-E ^{3, 4, 6} ; QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y	

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
3. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
4. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
5. Firmware Version 3.90a7.
6. Firmware Version 1.01a2.

7. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
 8. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
 9. Firmware Version 1.80a3.

NEC

NEC – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800 320Mc–R	PCI	Microsoft Windows 2003 Enterprise Edition (Advanced Server) ¹	NEC N8803–031 (QLA2310F) ^{7, 8, 11, 19} ; QLogic QLA2310F–E–SP ^{7, 8, 11, 19}	FC–AL, FC–SW	N	
2	Express 5800: 120Rd–1, 120Rf–2, 140Hd, 140Rc–4, 180Rc–4	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP1000–E ^{3, 5, 13} , LP1000DC–E ^{3, 5, 13} , LP1050–E ^{3, 5, 13} , LP1050DC–E ^{3, 5, 13} , LP8000–EMC ^{2, 3, 4, 5} , LP9002–E (LP9002L–E) ^{3, 4, 5} , LP9002DC–E ^{3, 4, 5} , LP9802–E ^{3, 5, 6} , LP9802DC–E ^{3, 5, 6} , LP982–E ^{3, 5, 6} , NEC N8190–105 ^{3, 4, 5, 22} ; QLogic: QLA2310F–E–SP ^{7, 8} , QLA2340–E–SP ^{7, 8} , QLA2342–E–SP ^{7, 8}	FC–AL, FC–SW	Y	
3	Express 5800: 120Md, 120Ra–2, 120Rc–2, 120Rd–2, 140Ha, 140Hb, 140Ma, 140Ra–4, 140Ra–7, 140Rb–4, 180Ha, 180Rb–7	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	NEC N8190–105 ^{3, 4, 5, 22}	FC–AL, FC–SW	Y	
4	Express 5800: 330Ma–R ⁹ , 330Mb–R ⁹ , 340Ha–R ⁹	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	NEC N8803–031 (QLA2310F) ^{7, 8, 10, 11, 12}	FC–AL, FC–SW	N	
5	Express 5800: 320La–R ⁹ , 320La ⁹ , 320Lb–R ⁹ , 320Lb ⁹	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	NEC N8803–031: (QLA2310F) ^{7, 8} , (QLA2310F) ^{7, 8, 10, 11, 12}	FC–AL, FC–SW	N	
6	Express 5800: 320Lb, 320Lb–R, 330Mb–R ^{20, 21} , 340Ha–R	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	QLogic QLA2310F–E–SP ^{7, 8, 11, 19}	FC–AL, FC–SW	N	
7	Express 5800: 1080Xd, 1160Xd, 1320Xd	PCI, PCI–X	Microsoft Windows 2003 64–Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	NEC: NT2007A–A001 ^{6, 16, 17, 18} , NT2010A–A001 ^{7, 15}	FC–AL, FC–SW	N	See ¹⁴
8	Express 5800: 1020Xd, 1040Xd	PCI, PCI–X	Microsoft Windows 2003 64–Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	NEC NTAB232A (LP9802) ^{6, 18}	FC–AL, FC–SW	N	See ¹⁴

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Firmware Version 3.90a7.
- Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 1.01a2.
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Bus Enumeration Issue Causes Problems using SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.
 By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.
 The workaround is to perform "symcfg discover" after rebooting.

- Qlogic SanBlade Manager is not supported.
- Qlogic SANSurfer/SANBlade Manager is not supported.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Firmware Version 1.80a3.
- No EMC Layered Applications supported on IA64 server platforms**
- This HBA is equivalent to the QLogic QLA2340.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- This HBA is equivalent to the Emulex LP982.
- Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Supports Stratus OS 1.3.X through 2.1.X.
- Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
- EMC does not support the Emulex equivalent of N8190–105. Check with NEC on where to download the latest supported firmware and boot BIOS for this adapter.**

Samsung

Samsung – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ES470; ES570	PCI, PCI–X	Microsoft Windows 2003 64–Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex LP982–E ^{2, 3} ; QLogic QLA2340–E–SP ⁴	FC–AL, FC–SW	N	See ¹

- No EMC Layered Applications supported on IA64 server platforms**
- Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Firmware Version 1.01a2.
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

Stratus

Stratus – Microsoft Windows 2003						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	ftServer: 3300 ^{4, 5, 6, 7, 8} , 5240 ^{7, 11, 12, 13, 14} , 5600 ^{7, 15} , 6500 ^{4, 7, 11, 12, 13, 14}	PCI	Microsoft Windows 2003 Enterprise Edition (Advanced Server) ¹	QLogic QLA2310F-E-SP ^{2, 3, 9, 10}	FC-AL, FC-SW	N

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Bus Enumeration Issue Causes Problems using SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.

By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.

The workaround is to perform "symcfg discover" after rebooting.

- Requires Stratus ftServer OS 2.0.x or greater.
- ftServer OS 2.0.x requires PowerPath 3.0.2.
- ftServer OS 2.1.x requires PowerPath 3.0.5 or greater.
- Supports Stratus OS 2.0.X through 2.1.X.
- Qlogic SANSurfer/SANBlade Manager is not supported.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Requires Stratus ftServer OS 1.4.x or 2.1.x.
- ftServer OS 1.4 requires PowerPath 3.0.2.
- Supports Stratus OS 1.3.X through 2.1.X.
- Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
- Requires Stratus ftServer OS 2.1.x.

Unisys

Unisys – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ES7000/100; ES7000/200; ES7000/230	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 5, 9} , LP10000DC-E ^{3, 5, 9} , LP1050-E ^{3, 5, 9} , LP1050DC-E ^{3, 5, 9} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9002DC-E ^{3, 4, 5} , LP9802-E ^{3, 5, 6} , LP9802DC-E ^{3, 5, 6} , LP982-E ^{3, 5, 6} , QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8} , Unisys: FCH720111-P64 (LP8000-D1) ^{3, 4, 5} , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{3, 4, 5} , FCH732213-P64 (LP9002L-F2) ^{3, 4, 5}	FC-AL, FC-SW	Y	
2	ES7000/550	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Unisys FCH732213-P64 (LP9002L-F2) ^{3, 4, 5}	FC-AL, FC-SW	Y	
3	ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Unisys FCH742313-P64 (LP9802) ^{3, 5, 6}	FC-AL, FC-SW	Y	
4	ES7000/130; ES7000/410; ES7000/420; ES7000/430	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP9802-E ^{6, 11} , LP9802DC-E ^{6, 11} , LP982-E ^{6, 11} , QLogic: QLA2340-E-SP ⁷ , QLA2342-E-SP ⁷ , Unisys FCH742313-P64 (LP9802) ^{6, 11}	FC-AL, FC-SW	N	See ¹⁰
5	ES3000	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Unisys: FCH732213-P64 (LP9002L-F2) ^{3, 4, 5} , FCH742313-P64 (LP9802) ^{3, 5, 6}	FC-AL, FC-SW	Y	

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Firmware Version 3.90a7.
- Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 1.01a2.
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 1.80a3.
- No EMC Layered Applications supported on IA64 server platforms
- Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

Microsoft Windows NT

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN. NOTE: Windows NT installation will fail immediately after installing Network Services for hosts that use an Intel Network Interface Card (NIC).

Bull

Bull – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800: 140Hb, 140Ra4, HV8600, HX4600, MH4500	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{6, 7, 8} , LP850-EMC ^{6, 7} , QLogic: QLA2200F-EMC ^{9, 10} , QLA2202F-EMC ^{9, 10}	FC-AL, FC-SW	Y

Bull – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
2	Express 5800: HV8600, HX4600, MH4500	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{2, 3, 4, 5}	FWD	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- HBA BIOS is 2.20.
- Driver for Adaptec available at: <http://www.adaptec.com/worldwide/support/supplyproduct.html?cat=Technology/SCSI+Host+Adapters&fromPage=driverindex>
- Requires Legacy PCI slot (not available on most new servers.)**
- Driver Version 2.12s4.
- Firmware Version 3.90a7.
- Driver Version 2.20a12.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Driver Version 8.1.5.20.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.

DG

DG – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	AViiON AV8950 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2200F-EMC ^{16, 17}	FC-AL	Y
2	AViiON AV8950	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP7000E-EMC; QLogic: QLA2340-E-SP ^{26, 27, 28, 29, 30, 31} , QLA2342-E-SP ^{26, 27, 28, 29, 30, 31}	FC-AL, FC-SW	Y
3	AViiON AV3704	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP850-EMC ^{18, 19} ; QLogic: QLA2300F-E-SP ^{26, 27, 28, 29} , QLA2310F-E-SP ^{26, 27, 28, 29} , QLA2340-E-SP ^{26, 27, 28, 29} , QLA2342-E-SP ^{26, 27, 28, 29}	FC-AL, FC-SW	Y
4	AViiON: AV2300, AV2700, AV3600, AV3700, AV8700	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP850-EMC ^{18, 19} ; QLogic: QLA2340-E-SP ^{26, 27, 28, 29, 30, 31} , QLA2342-E-SP ^{26, 27, 28, 29, 30, 31}	FC-AL, FC-SW	Y
5	AViiON: AV8900, AV8950R	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{18, 19, 20, 21} , LP850-EMC ^{18, 19} , LP9002-E (LP9002L-E) ^{18, 19, 32, 33} ; QLogic: QLA2200F-EMC ^{16, 17} , QLA2202F-EMC ^{15, 16, 17} , QLA2300F-E-SP ^{26, 27, 28, 29} , QLA2310F-E-SP ^{26, 27, 28, 29} , QLA2340-E-SP ^{26, 27, 28, 29} , QLA2342-E-SP ^{26, 27, 28, 29}	FC-AL, FC-SW	Y
6	AViiON: AV1400, AV2800, AV3704R, AV3800	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{18, 19, 20, 21} , LP850-EMC ^{18, 19} ; QLogic: QLA2200F-EMC ^{16, 17} , QLA2202F-EMC ^{15, 16, 17} , QLA2300F-E-SP ^{26, 27, 28, 29} , QLA2310F-E-SP ^{26, 27, 28, 29} , QLA2340-E-SP ^{26, 27, 28, 29} , QLA2342-E-SP ^{26, 27, 28, 29}	FC-AL, FC-SW	Y
7	AViiON AV3704 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{18, 19, 20, 21} ; QLogic: QLA2200F-EMC ^{16, 17} , QLA2202F-EMC ^{15, 16, 17}	FC-AL, FC-SW	Y
8	AViiON: AV2300 ⁴ , AV2700 ⁴ , AV3600 ⁴ , AV3700 ⁴ , AV8700 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{18, 19, 20, 21} ; QLogic: QLA2200F-EMC ^{16, 17} , QLA2202F-EMC ^{15, 16, 17} , QLA2300F-E-SP ^{26, 27, 28, 29} , QLA2310F-E-SP ^{26, 28, 29}	FC-AL, FC-SW	Y
9	AViiON AV8600	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC ^{22, 23, 24, 25} , LP8000-EMC ^{18, 19, 20} , LP850-EMC ^{18, 19} ; QLogic: QLA2200F-EMC ^{16, 17} , QLA2202F-EMC ^{15, 16, 17} , QLA2300F-E-SP ^{26, 27, 28, 29} , QLA2310F-E-SP ^{26, 27, 28, 29} , QLA2340-E-SP ^{26, 27, 28, 29, 30, 31} , QLA2342-E-SP ^{26, 27, 28, 29, 30, 31}	FC-AL, FC-SW	Y
10	AViiON AV8950 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{18, 19, 20, 21} , LP850-EMC ^{18, 19} ; QLogic: QLA2202F-EMC ^{16, 17} , QLA2300F-E-SP ^{26, 27, 28, 29} , QLA2310F-E-SP ^{26, 28, 29}	FC-AL, FC-SW	Y
11	AViiON: AV4900, AV5900	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2202F-EMC ^{16, 17}	FC-AL, FC-SW	Y
12	AViiON: AV2300 ⁴ , AV2700 ⁴ , AV2800 ⁴ , AV3600 ⁴ , AV3700 ⁴ , AV3704 ⁴ , AV8600 ⁴ , AV8900 ⁴ , AV8950 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944W ^{6, 7, 9, 10}	FWD	Y
13	AViiON: AV2800, AV4900, AV5900	PCI	Microsoft Windows NT 4.0 SP6A ¹	DG 7444 (Symbios C825)	FWD	Y
14	AViiON: AV2300 ⁴ , AV2700 ⁴ , AV2800 ⁴ , AV3600 ⁴ , AV3700 ⁴ , AV3704 ⁴ , AV8600 ⁴ , AV8900 ⁴ , AV8950 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{6, 7, 8, 9} ; BusLogic BT958D ^{2, 3, 5} ; QLogic: QLA1041 ^{11, 12} , QLA1240D ^{13, 14} ; Symbios SYM22802	UWD	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- HBA BIOS is 5.96F.
- BusLogic Driver available at: <http://www.mylex.com/support/productgd/index.html>
- Data General servers that are rack-mountable (designated with an "R") are supported.
- Driver Version 5.01.
- HBA BIOS is 2.20.
- Driver for Adaptec available at: <http://www.adaptec.com/worldwide/support/supplyproduct.html?cat=Technology/SCSI+Host+Adapters&fromPage=driverindex>
- Requires Legacy PCI slot (not available on most new servers.)**
- Driver Version 2.12s4.
- AHA-2944W is no longer available in distribution channels.**
- HBA BIOS is 6.26.
- Driver Version 2.36.
- HBA BIOS is 1.26.
- Driver Version 1.3.00.
- Dual port fibre Channel controller.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Driver Version 8.1.5.20.
- Firmware Version 3.90a7.
- Driver Version 2.20a12.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- SNIA API Supported.
- Driver/Firmware available at <http://www.emulex.com>
- Firmware Version 3.30a7.
- Driver Version 2.13a4.

26. HBA BIOS is 1.34.
27. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
28. Driver/BIOS are available at <http://www.qlogic.com>
29. Driver Version 8.1.5.21.
30. Qlogic SanBlade Manager is not supported.
31. Qlogic SANSurfer/SANBlade Manager is not supported.
32. The LP9002-E now ships with the LP9002L-E low profile adapter.
33. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.

Dell

Dell – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	PowerEdge: 1550, 1650, 2300, 2400, 2500, 2550 ⁵ , 6100, 6300, 6350, 6400, 6450, 8450	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2100F-EMC ^{26, 37, 38}	FC-AL	Y
2	PowerEdge: 1750, 2600, 2650, 6600, 6650	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2100F-EMC ^{26, 37, 38}	FC-AL	Y
3	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2500, 4300, 4400, 6100, 6400, 6450, 8450	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP850-EMC ^{22, 23}	FC-AL, FC-SW	Y
4	PowerEdge 4350	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{20, 21, 22, 23} , LP850-EMC ^{22, 23} , QLogic: QLA2200F-EMC ^{18, 19} , QLA2202F-EMC ^{17, 18, 19} , QLA2300F-E-SP ^{24, 25, 26, 27} , QLA2310F-E-SP ^{24, 25, 26, 27} , QLA2340-E-SP ^{24, 25, 26, 27} , QLA2342-E-SP ^{24, 25, 26, 27}	FC-AL, FC-SW	Y
5	PowerEdge: 1550 ¹⁶ , 2400 ¹⁶ , 2450 ¹⁶ , 2500 ¹⁶ , 4400 ¹⁶ , 6400 ¹⁶ , 6450 ¹⁶ , 8450 ¹⁶	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{20, 21, 22, 23} , LP9002-E (LP9002L-E) ^{22, 23, 25} , LP9002DC-E ^{21, 22, 23, 25, 28} , LP9802-E ^{22, 28, 29, 30} , LP9802DC-E ^{22, 28, 29, 30} , LP982-E ^{22, 28, 29, 30} , QLogic: QLA2200F-EMC ^{18, 19} , QLA2202F-EMC ^{17, 18, 19} , QLA2300F-E-SP ^{24, 25, 26, 27} , QLA2310F-E-SP ^{24, 25, 26, 27} , QLA2340-E-SP ^{24, 25, 26, 27} , QLA2342-E-SP ^{24, 25, 26, 27}	FC-AL, FC-SW	Y
6	PowerEdge 1650 ¹⁶	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{20, 21, 22, 23} , LP9002-E (LP9002L-E) ^{22, 23, 25} , LP9802-E ^{22, 28, 29, 30} , LP9802DC-E ^{22, 28, 29, 30} , LP982-E ^{22, 28, 29, 30} , QLogic: QLA2200F-EMC ^{18, 19} , QLA2202F-EMC ^{17, 18, 19} , QLA2300F-E-SP ^{24, 25, 26, 27} , QLA2310F-E-SP ^{24, 25, 26, 27} , QLA2340-E-SP ^{24, 25, 26, 27} , QLA2342-E-SP ^{24, 25, 26, 27}	FC-AL, FC-SW	Y
7	PowerEdge: 2300 ¹⁶ , 6100 ¹⁶ , 6300 ¹⁶ , 6350 ¹⁶	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{20, 21, 22, 23} , LP9002DC-E ^{21, 22, 23, 25, 28} , QLogic: QLA2200F-EMC ^{18, 19} , QLA2202F-EMC ^{17, 18, 19} , QLA2300F-E-SP ^{24, 25, 26, 27} , QLA2310F-E-SP ^{24, 25, 26, 27} , QLA2340-E-SP ^{24, 25, 26, 27} , QLA2342-E-SP ^{24, 25, 26, 27}	FC-AL, FC-SW	Y
8	PowerEdge 4300 ¹⁶	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{20, 21, 22, 23} , QLogic: QLA2200F-EMC ^{18, 19} , QLA2202F-EMC ^{17, 18, 19} , QLA2300F-E-SP ^{24, 25, 26, 27} , QLA2310F-E-SP ^{24, 25, 26, 27} , QLA2340-E-SP ^{24, 25, 26, 27} , QLA2342-E-SP ^{24, 25, 26, 27}	FC-AL, FC-SW	Y
9	PowerEdge 2550 ^{5, 6, 16}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{20, 22, 23} , LP9002-E (LP9002L-E) ^{22, 23, 25} , LP9002DC-E ^{21, 22, 23, 25, 28} , LP9802-E ^{22, 28, 29, 30} , LP9802DC-E ^{22, 28, 29, 30} , LP982-E ^{22, 28, 29, 30} , QLogic: QLA2200F-EMC ^{18, 19} , QLA2202F-EMC ^{17, 18, 19} , QLA2300F-E-SP ^{24, 25, 26, 27} , QLA2310F-E-SP ^{24, 25, 26, 27} , QLA2340-E-SP ^{24, 25, 26, 27} , QLA2342-E-SP ^{24, 25, 26, 27}	FC-AL, FC-SW	Y
10	PowerEdge 2550 ^{5, 6}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{20, 21, 22, 23} , LP850-EMC ^{22, 23}	FC-AL, FC-SW	Y
11	PowerEdge 2650 ¹⁶	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{20, 21, 22, 23} , LP9002-E (LP9002L-E) ^{22, 23, 25} , LP9002DC-E ^{21, 22, 23, 25, 28} , LP9802-E ^{22, 28, 29, 30} , LP9802DC-E ^{22, 28, 29, 30} , LP982-E ^{22, 28, 29, 30} , QLogic QLA2202F-EMC ^{18, 19}	FC-AL, FC-SW	Y
12	PowerEdge: 6300, 6350	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP850-EMC ^{22, 23} , LP9002-E (LP9002L-E) ^{22, 23, 28, 36}	FC-AL, FC-SW	Y
13	PowerEdge: 4600 ¹⁶ , 6600 ¹⁶ , 6650 ¹⁶	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP9002-E (LP9002L-E) ^{22, 23, 25} , LP9002DC-E ^{21, 22, 23, 25, 28} , LP9802-E ^{22, 28, 29, 30} , LP9802DC-E ^{22, 28, 29, 30} , LP982-E ^{22, 28, 29, 30} , QLogic QLA2202F-EMC ^{18, 19}	FC-AL, FC-SW	Y
14	PowerEdge 2600 ¹⁶	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP9002-E (LP9002L-E) ^{22, 23, 25} , LP9802-E ^{22, 28, 29, 30} , LP9802DC-E ^{22, 28, 29, 30} , LP982-E ^{22, 28, 29, 30} , QLogic QLA2202F-EMC ^{18, 19}	FC-AL, FC-SW	Y
15	PowerEdge: 1550, 1650, 2300, 2400, 2500, 2550 ⁵ , 6100, 6300, 6350, 6400, 6450, 8450	PCI	Microsoft Windows NT 4.0 SP6A ¹	HPQ: A5246A (Agilent HHBA-5000A) ^{1, 31} , D8602A (Agilent HHBA-5101B) ^{1, 32, 33} , D8602B (Agilent HHBA-5101C) ^{1, 33, 34, 35}	FC-AL, FC-SW	N
16	PowerEdge 2550 ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2202F-EMC ^{18, 19}	FC-AL, FC-SW	Y
17	PowerEdge: 2600, 2650	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{20, 21, 22, 23} , QLogic QLA2202F-EMC ^{18, 19}	FC-AL, FC-SW	Y
18	PowerEdge 2600 ¹⁶	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP9002DC-E ^{21, 22, 23, 25, 28}	FC-AL, FC-SW	Y
19	PowerEdge 1750	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{20, 21, 22, 23} , LP850-EMC ^{22, 23} , LP9002-E (LP9002L-E) ^{22, 23, 25} , LP9802-E ^{22, 28, 29, 30} , LP9802DC-E ^{22, 28, 29, 30} , LP982-E ^{22, 28, 29, 30} , QLogic: QLA2200F-EMC ^{18, 19} , QLA2202F-EMC ^{17, 18, 19} , QLA2300F-E-SP ^{24, 25, 26, 27} , QLA2310F-E-SP ^{24, 25, 26, 27} , QLA2340-E-SP ^{24, 25, 26, 27} , QLA2342-E-SP ^{24, 25, 26, 27}	FC-AL, FC-SW	Y
20	PowerEdge: 4600, 6600, 6650	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{20, 21, 22, 23} , LP850-EMC ^{22, 23} , LP9002DC-E ^{21, 22, 23, 25, 28} , QLogic QLA2202F-EMC ^{18, 19}	FC-AL, FC-SW	Y
21	PowerEdge: 1750, 2600, 2650, 6600, 6650	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	HPQ: A5246A (Agilent HHBA-5000A) ^{1, 31} , D8602A (Agilent HHBA-5101B) ^{1, 32, 33} , D8602B (Agilent HHBA-5101C) ^{1, 33, 34, 35}	FC-AL, FC-SW	N

Dell – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
22	PowerEdge 2600 ¹⁶	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{20, 22, 23} , LP850-EMC ^{22, 23} , QLLogic: QLA2200F-EMC ^{18, 19} , QLA2202F-EMC ^{17, 18, 19} , QLA2300F-E-SP ^{24, 25, 26, 27} , QLA2310F-E-SP ^{24, 25, 26, 27} , QLA2340-E-SP ^{24, 25, 26, 27} , QLA2342-E-SP ^{24, 25, 26, 27}	FC-AL, FC-SW	Y
23	PowerEdge: 4600 ¹⁶ , 6600 ¹⁶ , 6650 ¹⁶	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{20, 22, 23} , LP9002DC-E ^{21, 22, 23, 25, 28} , QLLogic: QLA2200F-EMC ^{18, 19} , QLA2202F-EMC ^{17, 18, 19} , QLA2300F-E-SP ^{24, 25, 26, 27} , QLA2310F-E-SP ^{24, 25, 26, 27} , QLA2340-E-SP ^{24, 25, 26, 27} , QLA2342-E-SP ^{24, 25, 26, 27}	FC-AL, FC-SW	Y
24	PowerEdge 2650 ¹⁶	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{20, 21, 22, 23} , LP9002DC-E ^{21, 22, 23, 25, 28} , QLLogic: QLA2200F-EMC ^{18, 19} , QLA2202F-EMC ^{17, 18, 19} , QLA2300F-E-SP ^{24, 25, 26, 27} , QLA2310F-E-SP ^{24, 25, 26, 27} , QLA2340-E-SP ^{24, 25, 26, 27} , QLA2342-E-SP ^{24, 25, 26, 27}	FC-AL, FC-SW	Y
25	PowerEdge: 2300, 2400, 2450, 2550 ^{5, 6} , 4300, 4350, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944W ^{7, 8, 10, 11}	FWD	Y
26	PowerEdge: 2600, 4600, 6600, 6650	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944W ^{7, 8, 10, 11}	FWD	Y
27	PowerEdge: 2300, 2400, 2450, 2550 ^{5, 6} , 4300, 4350, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{7, 8, 9, 10} , BusLogic BT958D ^{2, 3, 4} , QLLogic: QLA1041 ^{12, 13} , QLA1240D ^{14, 15} , Symbios SYM22802	UWD	Y
28	PowerEdge: 2600, 4600, 6600, 6650	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{7, 8, 9, 10} , BusLogic BT958D ^{2, 3, 4} , QLLogic: QLA1041 ^{12, 13} , QLA1240D ^{14, 15} , Symbios SYM22802	UWD	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- HBA BIOS is 5.96F.
- BusLogic Driver available at: <http://www.mylex.com/support/productgd/index.html>
- Driver Version 5.01.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- Dell PowerEdge supports a maximum of 2 Emulex HBAs at one time and the total power cannot exceed 20 Watts.
- HBA BIOS is 2.20.
- Driver for Adaptec available at: <http://www.adaptec.com/worldwide/support/suppyproduct.html?cat=/Technology/SCSI+Host+Adapters&fromPage=driverindex>
- Requires Legacy PCI slot (not available on most new servers.)**
- Driver Version 2.12s4.
- AHA-2944W is no longer available in distribution channels.**
- HBA BIOS is 6.26.
- Driver Version 2.36.
- HBA BIOS is 1.26.
- Driver Version 1.3.00.
- If using Dell PERC Controller, requires PERC 3 with OpenManager 3.0 and Array Manager 3.1. The afamgt.sys must be version 2.6.0.3486 (or above)..
- Dual port fibre Channel controller.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Driver Version 8.1.5.20.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Driver Version 2.20a12.
- Firmware Version 3.90a7.
- HBA BIOS is 1.34.
- QLLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Driver/BIOS are available at <http://www.qlogic.com>
- Driver Version 8.1.5.21.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- Driver Version 2.09D.
- (HHBA-5101BK-01)
- Driver Version 2.0.25.44. Driver available at http://h20004.www2.hp.com/keeper_rnotes/bsdmatrix/matrix213991.html
- Requires manual intervention on bootup to clear "new hardware found" message box at boot time.
- The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- HBA BIOS is 1.37.
- Driver Version 6.16.

Fuji Serv (ICL)

Fuji Serv (ICL) – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	DL; P2000; Trimetra Nova	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLLogic QLA2100F-EMC ^{2, 3, 4}	FC-AL	Y
2	Trimetra Nova	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{12, 13, 14} , QLLogic QLA2202F-EMC ^{5, 6}	FC-AL, FC-SW	Y
3	DL; P2000 ⁷	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLLogic QLA2202F-EMC ^{5, 6}	FC-AL, FC-SW	Y
4	XtraSERVER P1000 ⁷	PCI	Microsoft Windows NT 4.0 SP6A ^{1, 15}	QLLogic QLA2202F-EMC ^{5, 6}	FC-AL, FC-SW	Y
5	P2000	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLLogic QLA2200F-EMC ^{5, 6}	FC-SW	Y
6	Trimetra Nova	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-3944AUWD ^{9, 10, 11}	UWD	Y
7	P2000 ⁷	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLLogic QLA1041D ⁸	UWD	Y
8	XtraSERVER P1000 ⁷	PCI	Microsoft Windows NT 4.0: SP3 ¹⁵ , SP4 ¹⁵ , SP5A ¹⁵ , SP5 ¹⁵ , SP6A ^{1, 15} , SP6 ¹⁵	Adaptec AHA-2944UW ^{9, 10, 16, 17}	UWD	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- HBA BIOS is 1.37.
- Driver/BIOS are available at <http://www.qlogic.com>
- Driver Version 6.16.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.

6. Driver Version 8.1.5.20.
7. Requires Fujitsu Services (ICL) BN550/260 to connect the Fujitsu Services (ICL) Management Control Station to the Symmetrix for ECC use.
8. Driver Version 2.36.
9. HBA BIOS is 2.20.
10. Driver for Adaptec available at: <http://www.adaptec.com/worldwide/support/suppyproduct.html?cat=/Technology/SCSI+Host+Adapters&fromPage=driverindex>
11. Driver Version 2.21.
12. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
13. Firmware Version 3.90a7.
14. Driver Version 2.20a12.
15. Trimetra XtraSERVER Windows NT Additions package BN553205
16. **Requires Legacy PCI slot (not available on most new servers.)**
17. Driver Version 2.12s4.

Fujitsu Siemens

Fujitsu Siemens – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Primergy: B210, E200, N200	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{15, 16, 17} ; QLogic QLA2202F-EMC ^{22, 23}	FC-AL, FC-SW	Y
2	Primergy: F200, H200, H400, K400, L200, N400, P200, P250, RX100	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{15, 16, 17} , LP9002-E (LP9002L-E) ^{16, 17, 18} , LP9802-E ^{17, 19, 20, 21} , LP9802DC-E ^{17, 19, 20, 21} , LP982-E ^{17, 19, 20, 21} ; QLogic QLA2202F-EMC ^{22, 23}	FC-AL, FC-SW	Y
3	Primergy C200	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{15, 16, 17} , LP9002-E (LP9002L-E) ^{16, 17, 18} , LP9802-E ^{17, 20, 21} , LP9802DC-E ^{17, 20, 21} , LP982-E ^{17, 20, 21} ; QLogic QLA2202F-EMC ^{22, 23}	FC-AL, FC-SW	Y
4	Primergy R450	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP9802-E ^{17, 19, 20, 21} , LP9802DC-E ^{17, 19, 20, 21} , LP982-E ^{17, 19, 20, 21} ; QLogic QLA2202F-EMC ^{22, 23}	FC-AL, FC-SW	Y
5	GranPower 5000 380	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2202F-EMC ^{22, 23}	FC-AL, FC-SW	Y
6	Primergy: RX200, RX300, TX200, TX300	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{15, 16, 17} , LP850-EMC ^{16, 17, 18, 19, 24} , LP9002-E (LP9002L-E) ^{16, 17, 18} , LP9002DC-E ^{16, 17, 18, 19, 24} , LP9802-E ^{17, 19, 20, 21} , LP9802DC-E ^{17, 19, 20, 21} , LP982-E ^{17, 19, 20, 21} ; QLogic QLA2202F-EMC ^{22, 23}	FC-AL, FC-SW	Y
7	Primergy: F250 ¹⁴ , H250 ¹⁴ , H450, N800	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{15, 16, 17} , LP9002-E (LP9002L-E) ^{16, 17, 18} , LP9802-E ^{17, 19, 20, 21} , LP9802DC-E ^{17, 19, 20, 21} , LP982-E ^{17, 19, 20, 21} ; QLogic QLA2202F-EMC ^{22, 23}	FC-AL, FC-SW	Y
8	Primergy: RX600, RX800, TX600	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{15, 16, 17} , LP850-EMC ^{16, 17, 18, 19, 24} , LP9002-E (LP9002L-E) ^{16, 17, 18} , LP9002DC-E ^{16, 17, 18, 19, 24} , LP9802-E ^{17, 19, 20, 21} , LP9802DC-E ^{17, 19, 20, 21} , LP982-E ^{17, 19, 20, 21} ; QLogic QLA2202F-EMC ^{22, 23}	FC-AL, FC-SW	Y
9	Primergy R450	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{15, 16, 17} , LP9002-E (LP9002L-E) ^{16, 17, 18} ; QLogic QLA2202F-EMC ^{22, 23}	FC-AL, FC-SW	Y
10	GranPower 5000 380	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{5, 6, 7, 8}	FWD	Y
11	Primergy: H400, K400, N400	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944W ^{5, 7, 8, 9}	FWD	Y
12	Primergy: H400, K400, N400	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{5, 6, 7, 8} ; BusLogic BT958D ^{2, 3, 4} ; QLogic: QLA1041 ^{10, 11} , QLA1240D ^{12, 13} ; Symbios SYM22802	UWD	Y
13	Primergy H250 ¹⁴	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{5, 6, 7, 8}	UWD	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. HBA BIOS is 5.96F.
3. BusLogic Driver available at: <http://www.mylex.com/support/productgd/index.html>
4. Driver Version 5.01.
5. HBA BIOS is 2.20.
6. **Requires Legacy PCI slot (not available on most new servers.)**
7. Driver for Adaptec available at: <http://www.adaptec.com/worldwide/support/suppyproduct.html?cat=/Technology/SCSI+Host+Adapters&fromPage=driverindex>
8. Driver Version 2.12s4.
9. **AHA-2944W is no longer available in distribution channels.**
10. HBA BIOS is 6.26.
11. Driver Version 2.36.
12. HBA BIOS is 1.26.
13. Driver Version 1.3.00.
14. Must use standard PCI 32bit/33MHz slot for SCSI
15. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
16. Firmware Version 3.90a7.
17. Driver Version 2.20a12.
18. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
19. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
20. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
21. Firmware Version 1.01a2.
22. Driver Version 8.1.5.20.
23. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
24. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.

HPQ

HPQ – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Proliant 850R ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	HPQ 223180-B21 ⁴⁵	FC-AL	Y
2	Proliant: 1600 ^{5,7} , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,6} , 6000 ^{5,6} , 6500 ^{5,6} , 7000 ^{5,6}	PCI	Microsoft Windows NT 4.0 SP6A ¹	HPQ 223180-B21 ⁴⁵ , QLogic QLA2100F-EMC ^{19, 20, 21}	FC-AL	Y
3	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LPR, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1850 ⁵ , 2500 ⁵ , 6400R ⁵ , 8000 ^{5,6} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580 ⁵ , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2100F-EMC ^{19, 20, 21}	FC-AL	Y
4	Proliant: DL360(G3), DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2100F-EMC ^{19, 20, 21}	FC-AL	Y
5	Proliant: DL580(G2) ⁵ , DL580(G3)	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2100F-EMC ^{19, 20, 21}	FC-AL	Y
6	Netserver LH PRO; Proliant DL360(G2) ^{5, 34}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{29, 30, 31, 32}	FC-AL, FC-SW	Y
7	Proliant 8000: Pro, Xeon	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{29, 30, 31, 32} , QLogic QLA2202F-EMC ^{26, 28}	FC-AL, FC-SW	Y
8	Netserver LH: 3000, 6000; Netserver LXR: 8000, 8500	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{29, 30, 31, 32} , LP850-EMC ^{29, 30} , HPQ FCA2404 (LP9802) ^{30, 42, 46} , QLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
9	Proliant 6400R ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{29, 30, 31, 32} , LP850-EMC ^{29, 30} , HPQ: 176479-B21 ^{29, 30, 31} , DS-KGPSA-CB (LP8000) ^{29, 30, 31} , DS-KGPSA-CY (LP8000) ^{29, 30, 31} , FCA2404 (LP9802) ^{30, 42, 46} , QLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
10	Proliant 8500 ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{29, 30, 31, 32} , LP850-EMC ^{29, 30} , HPQ: 176479-B21 ^{29, 30, 31} , DS-KGPSA-CB (LP8000) ^{29, 30, 31} , DS-KGPSA-CY (LP8000) ^{29, 30, 31} , QLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33}	FC-AL, FC-SW	Y
11	Proliant: 1600 ^{5,7} , 1850 ⁵ , 2500 ⁵ , 5000 ⁵ , 6000 ^{5,6} , 6500 ^{5,6} , 8000 ^{5,6}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{29, 30, 31, 32} , LP850-EMC ^{29, 30} , HPQ: 176479-B21 ^{29, 30, 31} , DS-KGPSA-CB (LP8000) ^{29, 30, 31} , DS-KGPSA-CY (LP8000) ^{29, 30, 31} , QLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
12	Proliant 850 ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{29, 30, 31, 32} , LP850-EMC ^{29, 30} , HPQ: 176479-B21 ^{29, 30, 31} , DS-KGPSA-CB (LP8000) ^{29, 30, 31} , DS-KGPSA-CY (LP8000) ^{29, 30, 31} , QLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2310F-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
13	Proliant: 3000 ⁵ , 5500 ^{5,6} , 7000 ^{5,6}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{29, 30, 31, 32} , LP850-EMC ^{29, 30} , LP9002-E (LP9002L-E) ^{29, 30, 40} , HPQ: 176479-B21 ^{29, 30, 31} , DS-KGPSA-CB (LP8000) ^{29, 30, 31} , DS-KGPSA-CY (LP8000) ^{29, 30, 31} , QLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
14	Netserver LC: 2000 U3, 2000r; Netserver: LPR, LT 6000R	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{29, 30, 31, 32} , LP850-EMC ^{29, 30} , LP9002-E (LP9002L-E) ^{29, 30, 40} , LP9802-E ^{30, 42, 43, 44} , LP9802DC-E ^{30, 42, 43, 44} , LP982-E ^{30, 42, 43, 44} , HPQ FCA2404 (LP9802) ^{30, 42, 46} , QLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
15	Proliant: DL320 ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ²⁷	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{29, 30, 31, 32} , LP850-EMC ^{29, 30} , LP9002-E (LP9002L-E) ^{29, 30, 40} , LP9802-E ^{30, 42, 43, 44} , LP9802DC-E ^{30, 42, 43, 44} , LP982-E ^{30, 42, 43, 44} , HPQ: 176479-B21 ^{29, 30, 31} , DS-KGPSA-CB (LP8000) ^{29, 30, 31} , DS-KGPSA-CY (LP8000) ^{29, 30, 31} , FCA2404 (LP9802) ^{30, 42, 46} , QLLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
16	Netserver LH: 3, 4	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{29, 30, 31, 32} , LP850-EMC ^{29, 30} , QLLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
17	Netserver: LH II, LXR PRO, LXR PRO8	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{29, 30, 31, 32} , LP850-EMC ^{29, 30} , QLLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2310F-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
18	Netserver LP 2000r	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{29, 30, 32} , LP850-EMC ^{29, 30} , LP9002-E (LP9002L-E) ^{29, 30, 40} , LP9802-E ^{30, 42, 43, 44} , LP9802DC-E ^{30, 42, 43, 44} , LP982-E ^{30, 42, 43, 44} , HPQ: FCA2404 (LP9802) ^{30, 42, 46} , QLLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
19	Netserver LH (LH Pro)	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{29, 30, 32} , LP850-EMC ^{29, 30} , QLLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2310F-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
20	Proliant DL360(G2) ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP850-EMC ^{29, 30} , LP9002-E (LP9002L-E) ^{29, 30, 40} , LP9802-E ^{30, 42, 43, 44} , LP9802DC-E ^{30, 42, 43, 44} , LP982-E ^{30, 42, 43, 44} , HPQ: 176479-B21 ^{29, 30, 31} , DS-KGPSA-CB (LP8000) ^{29, 30, 31} , DS-KGPSA-CY (LP8000) ^{29, 30, 31} , FCA2404 (LP9802) ^{30, 42, 46} , QLLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
21	Netserver LX PRO	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC ^{35, 36, 37, 38} , LP8000-EMC ^{29, 30, 31, 32} , LP850-EMC ^{29, 30, 31} , QLLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2310F-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
22	Netserver LH III	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC ^{35, 36, 37, 38} , LP8000-EMC ^{29, 30, 31, 32} , LP850-EMC ^{29, 30} , QLLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
23	Proliant 8500	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP9002-E (LP9002L-E) ^{29, 30, 40} , LP9802-E ^{30, 42, 43, 44} , LP9802DC-E ^{30, 42, 43, 44} , LP982-E ^{30, 42, 43, 44} , HPQ: FCA2404 (LP9802) ^{30, 42, 46} , QLLogic: QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
24	Proliant DL580(G2) ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP9002-E (LP9002L-E) ^{29, 30, 40} , LP9802-E ^{30, 42, 43, 44} , LP9802DC-E ^{30, 42, 43, 44} , LP982-E ^{30, 42, 43, 44} , HPQ: 176479-B21 ^{29, 30, 31} , DS-KGPSA-CB (LP8000) ^{29, 30, 31} , DS-KGPSA-CY (LP8000) ^{29, 30, 31} , FCA2404 (LP9802) ^{30, 42, 46} , QLLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
25	Proliant 1600 ^{5, 7}	PCI	Microsoft Windows NT 4.0 SP6A ¹	HPQ: A5246A (Agilent HHBA-5000A) ^{1, 18} , D8602A (Agilent HHBA-5101B) ^{1, 22, 23, 24, 25}	FC-AL, FC-SW	N
26	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LPR, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5, 6} , 6000 ^{5, 6} , 6400R ⁵ , 6500 ^{5, 6} , 7000 ^{5, 6} , 8000 ^{5, 6} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380 ⁵ , DL580 ⁵ , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	HPQ: A5246A (Agilent HHBA-5000A) ^{1, 18} , D8602A (Agilent HHBA-5101B) ^{1, 24, 25} , D8602B (Agilent HHBA-5101C) ^{1, 22, 23, 24}	FC-AL, FC-SW	N
27	Proliant: 850R ⁵ , ML750 ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLLogic QLA2202F-EMC ^{26, 28}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
28	Proliant: DL360(G3), DL760 (G2), ML570(G2)	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{29, 30, 31, 32} , LP850-EMC ^{29, 30} , LP9002-E (LP9002L-E) ^{29, 30, 40} , LP9802-E ^{30, 42, 43, 44} , LP9802DC-E ^{30, 42, 43, 44} , LP982-E ^{30, 42, 43, 44} ; HPQ: 176479-B21 ^{29, 30, 31} , DS-KGPSA-CB (LP8000) ^{29, 30, 31} , DS-KGPSA-CY (LP8000) ^{29, 30, 31} , FCA2404 (LP9802) ^{30, 42, 46} ; QLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
29	Proliant DL740	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{29, 30, 31, 32} , LP850-EMC ^{29, 30} , LP9002-E (LP9002L-E) ^{29, 30, 40} , LP9802-E ^{30, 42, 43, 44} , LP9802DC-E ^{30, 42, 43, 44} , LP982-E ^{30, 42, 43, 44} ; HPQ FCA2404 (LP9802) ^{30, 42, 46} ; QLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
30	Proliant DL560	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{29, 30, 31, 32} , LP850-EMC ^{29, 30} , LP9002-E (LP9002L-E) ^{29, 30, 40} , LP9802-E ^{30, 42, 43, 44} , LP9802DC-E ^{30, 42, 43, 44} , LP982-E ^{30, 42, 43, 44} ; HPQ FCA2404 (LP9802) ^{30, 42, 46} ; QLogic: QLA2200F-EMC ^{26, 28} , QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
31	Proliant DL760 ⁵	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{29, 30, 31, 32} , LP9002-E (LP9002L-E) ^{29, 30, 40} , LP9802-E ^{30, 42, 43, 44} , LP9802DC-E ^{30, 42, 43, 44} , LP982-E ^{30, 42, 43, 44} ; HPQ FCA2404 (LP9802) ^{30, 42, 46} ; QLogic: QLA2200F-EMC ^{26, 28}	FC-AL, FC-SW	Y
32	Proliant: DL360(G3), DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	HPQ: A5246A (Agilent HHBA-5000A) ^{1, 18} , D8602A (Agilent HHBA-5101B) ^{1, 24, 25} , D8602B (Agilent HHBA-5101C) ^{1, 22, 23, 24}	FC-AL, FC-SW	N
33	Proliant: DL580(G2) ⁵ , DL580(G3)	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{29, 30, 31, 32} , LP850-EMC ^{29, 30} , LP9002-E (LP9002L-E) ^{29, 30, 40} , LP9802-E ^{30, 42, 43, 44} , LP9802DC-E ^{30, 42, 43, 44} , LP982-E ^{30, 42, 43, 44} ; HPQ: 176479-B21 ^{29, 30, 31} , DS-KGPSA-CB (LP8000) ^{29, 30, 31} , DS-KGPSA-CY (LP8000) ^{29, 30, 31} , FCA2404 (LP9802) ^{30, 42, 46} ; QLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
34	Proliant DL760 ⁵	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{29, 30, 32} , LP850-EMC ^{29, 30} ; HPQ: 176479-B21 ^{29, 30, 31} , DS-KGPSA-CB (LP8000) ^{29, 30, 31} , DS-KGPSA-CY (LP8000) ^{29, 30, 31} ; QLogic: QLA2200F-EMC ^{26, 28} , QLA2202F-EMC ^{26, 28, 33} , QLA2300F-E-SP ^{20, 39, 40, 41} , QLA2310F-E-SP ^{20, 39, 40, 41} , QLA2340-E-SP ^{20, 39, 40, 41} , QLA2342-E-SP ^{20, 39, 40, 41}	FC-AL, FC-SW	Y
35	Proliant: DL580(G2) ⁵ , DL580(G3)	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	HPQ: A5246A (Agilent HHBA-5000A) ^{1, 18} , D8602A (Agilent HHBA-5101B) ^{1, 24, 25} , D8602B (Agilent HHBA-5101C) ^{1, 22, 23, 24}	FC-AL, FC-SW	N
36	Proliant: 1600 ^{5, 7} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5, 6} , 6000 ^{5, 6} , 6400R ⁵ , 6500 ^{5, 6} , 7000 ^{5, 6} , 8000 ^{5, 6} , 8500 ^{5, 6} , 850 ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944W ^{8, 9, 11, 12}	FWD	Y
37	Proliant: 1600 ^{5, 7} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5, 6} , 6000 ^{5, 6} , 6400R ⁵ , 6500 ^{5, 6} , 7000 ^{5, 6} , 8000 ^{5, 6} , 8500 ^{5, 6} , 850 ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{8, 9, 10, 11} ; BusLogic BT958D ^{2, 3, 4} ; QLogic: QLA1041 ^{13, 14} , QLA1240D ^{15, 16} ; Symbios SYM22802	UWD	Y
38	Netserver LH: (LH Pro), 3, 3000, 4, 6000, II; Netserver: LT 6000R, LX PRO, LXR 8000, LXR PRO, LXR PRO8	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{8, 9, 10, 11} ; HPQ: A5252A ¹⁷ , A5252B ¹⁷	UWD	Y
39	Netserver LH III	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{8, 9, 10, 11} ; HPQ: A5252A ^{8, 11, 17} , A5252B ^{8, 11, 17}	UWD	Y
40	Proliant 8000: Pro, Xeon	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{8, 10, 11}	UWD	Y
41	Proliant: DL320 ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350 ⁵ , ML370(G2) ⁵ , ML370(G3), ML370 ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	BusLogic BT958D ^{2, 3, 4} ; QLogic: QLA1041 ^{13, 14} , QLA1240D ^{15, 16} ; Symbios SYM22802	UWD	Y
42	Proliant: DL760 (G2), DL760 ⁵	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	BusLogic BT958D ^{2, 3, 4} ; QLogic: QLA1041 ^{13, 14} , QLA1240D ^{15, 16} ; Symbios SYM22802	UWD	Y
43	Proliant: DL580(G2) ⁵ , DL580(G3)	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	BusLogic BT958D ^{2, 3, 4} ; QLogic: QLA1041 ^{13, 14} , QLA1240D ^{15, 16} ; Symbios SYM22802	UWD	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.

2. HBA BIOS is 5.96F.

3. BusLogic Driver available at: <http://www.mylex.com/support/productgd/index.html>

4. Driver Version 5.01.
5. Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
6. Includes both Pentium PRO and XEON models
7. This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
8. HBA BIOS is 2.20.
9. Driver for Adaptec available at: <http://www.adaptec.com/worldwide/support/suppbyproduct.html?cat=/Technology/SCSI+Host+Adapters&fromPage=driverindex>
10. **Requires Legacy PCI slot (not available on most new servers.)**
11. Driver Version 2.12s4.
12. **AHA-2944W is no longer available in distribution channels.**
13. HBA BIOS is 6.26.
14. Driver Version 2.36.
15. HBA BIOS is 1.26.
16. Driver Version 1.3.00.
17. (Adaptec AHA-2944UW)
18. Driver Version 2.09D.
19. HBA BIOS is 1.37.
20. Driver/BIOS are available at <http://www.qlogic.com>
21. Driver Version 6.16.
22. Requires manual intervention on bootup to clear "new hardware found" message box at boot time.
23. The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
24. Driver Version 2.0.25.44. Driver available at http://h20004.www2.hp.com/keeper_notes/bsdmatrix/matrix213991.html
25. (HHBA-5101BK-01)
26. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
27. HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
28. Driver Version 8.1.5.20.
29. Firmware Version 3.90a7.
30. Driver Version 2.20a12.
31. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
32. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
33. Dual port fibre Channel controller.
34. Requires BIOS v4.01 rev A (5/17/2002) for use with Emulex HBAs.
35. SNIA API Supported.
36. Driver/Firmware available at <http://www.emulex.com>
37. Firmware Version 3.30a7.
38. Driver Version 2.13a4.
39. HBA BIOS is 1.34.
40. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
41. Driver Version 8.1.5.21.
42. Firmware Version 1.01a2.
43. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
44. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
45. Driver Version 4.04.
46. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.

IBM

IBM – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Netfinity 8500R; xSeries x255 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2100F-EMC ^{33, 46, 47}	FC-AL	Y
2	Netfinity 8500	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP9002-E (LP9002L-E) ^{23, 24, 38, 55} , IBM: 00N6881 (QLA2200) ^{19, 20, 25, 26} , 19K1246(QLA2310) ^{31, 32, 33, 34, 41} , 24P0960(QLA2340) ^{31, 32, 33, 34, 43} , QLogic: QLA2202F-EMC ^{19, 20} , QLA2310F-E-SP ^{31, 32, 33, 34}	FC-AL, FC-SW	Y
3	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ⁶ , 7100, 7600	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{21, 22, 23, 24} , LP850-EMC ^{23, 24} , IBM: 00N6881 (QLA2200) ^{19, 20, 25, 26} , 19K1246(QLA2310) ^{31, 33, 34, 41, 42} , 24P0960(QLA2340) ^{31, 33, 34, 42, 43} , QLogic: QLA2200F-EMC ^{19, 20} , QLA2202F-EMC ^{18, 19, 20} , QLA2300F-E-SP ^{31, 32, 33, 34} , QLA2310F-E-SP ^{31, 32, 33, 34} , QLA2340-E-SP ^{31, 32, 33, 34} , QLA2342-E-SP ^{31, 32, 33, 34}	FC-AL, FC-SW	Y
4	xSeries x255 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{21, 22, 23, 24} , LP850-EMC ^{23, 24} , LP9002-E (LP9002L-E) ^{23, 24, 32} , LP9002DC-E ^{22, 23, 24, 32, 38} , LP9802-E ^{24, 37, 38, 39} , LP9802DC-E ^{24, 37, 38, 39} , LP982-E ^{24, 37, 38, 39} , IBM: 00N6881 (QLA2200) ^{19, 20, 25, 26} , 19K1246(QLA2310) ^{31, 33, 34, 41, 42} , 24P0960(QLA2340) ^{31, 33, 34, 42, 43} , QLogic: QLA2200F-EMC ^{19, 20} , QLA2202F-EMC ^{18, 19, 20} , QLA2300F-E-SP ^{31, 32, 33, 34} , QLA2310F-E-SP ^{31, 32, 33, 34} , QLA2340-E-SP ^{31, 32, 33, 34} , QLA2342-E-SP ^{31, 32, 33, 34}	FC-AL, FC-SW	Y
5	Netfinity 8500R	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{21, 22, 23, 24} , LP850-EMC ^{23, 24} , LP9002-E (LP9002L-E) ^{23, 24, 32} , LP9002DC-E ^{22, 23, 24, 32, 38} , LP9802-E ^{24, 37, 38, 39} , LP9802DC-E ^{24, 37, 38, 39} , LP982-E ^{24, 37, 38, 39} , IBM: 00N6881 (QLA2200) ^{19, 20, 25, 26} , 19K1246(QLA2310) ^{31, 33, 34, 41, 42} , 24P0960(QLA2340) ^{31, 33, 34, 42, 43} , QLogic: QLA2200F-EMC ^{19, 20} , QLA2300F-E-SP ^{31, 32, 33, 34} , QLA2340-E-SP ^{31, 32, 33, 34} , QLA2342-E-SP ^{31, 32, 33, 34}	FC-AL, FC-SW	Y
6	xSeries X342 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{21, 22, 23, 24} , LP850-EMC ^{23, 24} , LP9002-E (LP9002L-E) ^{23, 24, 32} , LP9802-E ^{24, 37, 38, 39} , LP9802DC-E ^{24, 37, 38, 39} , LP982-E ^{24, 37, 38, 39} , IBM: 00N6881 (QLA2200) ^{19, 20, 25, 26} , 19K1246(QLA2310) ^{31, 33, 34, 41, 42} , 24P0960(QLA2340) ^{31, 33, 34, 42, 43} , QLogic: QLA2200F-EMC ^{19, 20} , QLA2202F-EMC ^{18, 19, 20} , QLA2300F-E-SP ^{31, 32, 33, 34} , QLA2310F-E-SP ^{31, 32, 33, 34} , QLA2340-E-SP ^{31, 32, 33, 34, 35, 36} , QLA2342-E-SP ^{31, 32, 33, 34, 35, 36}	FC-AL, FC-SW	Y
7	xSeries: X330 ⁴ , X335, X340 (4500R) ⁴ , x230, x232 ⁴ , x240 ⁴ , x250 ⁴ , x350 (6000R) ⁴ , x370 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{21, 22, 23, 24} , LP850-EMC ^{23, 24} , LP9002-E (LP9002L-E) ^{23, 24, 32} , LP9802-E ^{24, 37, 38, 39} , LP9802DC-E ^{24, 37, 38, 39} , LP982-E ^{24, 37, 38, 39} , IBM: 00N6881 (QLA2200) ^{19, 20, 25, 26} , 19K1246(QLA2310) ^{31, 33, 34, 41, 42} , 24P0960(QLA2340) ^{31, 33, 34, 42, 43} , QLogic: QLA2200F-EMC ^{19, 20} , QLA2202F-EMC ^{18, 19, 20} , QLA2300F-E-SP ^{31, 32, 33, 34} , QLA2310F-E-SP ^{31, 32, 33, 34} , QLA2340-E-SP ^{31, 32, 33, 34} , QLA2342-E-SP ^{31, 32, 33, 34}	FC-AL, FC-SW	Y

IBM – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
8	xSeries x360 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC ^{27, 28, 29, 30} , LP8000-EMC ^{21, 23, 24} , LP850-EMC ^{22, 23, 24} , IBM: 00N6881 (QLA2200) ^{19, 20, 25, 26} , 19K1246(QLA2310) ^{31, 33, 34, 41, 42} , 24P0960(QLA2340) ^{31, 33, 34, 42, 43} ; QLogic: QLA2200F-EMC ^{19, 20} , QLA2202F-EMC ^{18, 19, 20} , QLA2300F-E-SP ^{31, 32, 33, 34} , QLA2310F-E-SP ^{31, 33, 34}	FC-AL, FC-SW	Y
9	xSeries x345 ^{4, 40}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC ^{27, 28, 29, 30} , LP8000-EMC ^{21, 23, 24} , LP850-EMC ^{23, 24} , LP9002-E (LP9002L-E) ^{23, 24, 32} , LP9802-E ^{24, 37, 38, 39} , LP9802DC-E ^{24, 37, 38, 39} , LP982-E ^{24, 37, 38, 39} ; IBM 00N6881 (QLA2200) ^{19, 20, 25, 26} ; QLogic: QLA2200F-EMC ^{19, 20} , QLA2202F-EMC ^{18, 19, 20} , QLA2300F-E-SP ^{31, 32, 33, 34} , QLA2310F-E-SP ^{31, 32, 33, 34} , QLA2340-E-SP ^{31, 32, 33, 34} , QLA2342-E-SP ^{31, 32, 33, 34}	FC-AL, FC-SW	Y
10	Netfinity 8500R; xSeries x255 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	HPQ: A5246A (Agilent HHBA-5000A) ^{1, 45} , D8602A (Agilent HHBA-5101B) ^{1, 50, 51} , D8602B (Agilent HHBA-5101C) ^{1, 48, 49, 50}	FC-AL, FC-SW	N
11	Netfinity 8500R	PCI	Microsoft Windows NT 4.0 SP6A ^{1, 12}	QLogic: QLA2202F-EMC ^{18, 19, 20} , QLA2310F-E-SP ^{31, 32, 33, 34}	FC-AL, FC-SW	Y
12	xSeries x360 ⁴	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC ^{27, 28, 29, 30} , LP8000-EMC ^{21, 22, 23, 24} , LP850-EMC ^{22, 23, 24} , LP9002-E (LP9002L-E) ^{23, 24, 32} , LP9802-E ^{24, 37, 38, 39} , LP9802DC-E ^{24, 37, 38, 39} , LP982-E ^{24, 37, 38, 39} ; QLogic: QLA2202F-EMC ^{19, 20} , QLA2300F-E-SP ^{31, 32, 33, 34} , QLA2310F-E-SP ^{31, 32, 33, 34} , QLA2340-E-SP ^{31, 32, 33, 34, 35, 36} , QLA2342-E-SP ^{31, 32, 33, 34, 35, 36}	FC-AL, FC-SW	Y
13	xSeries x440 ⁴	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC ^{27, 28, 29, 30} , LP8000-EMC ^{21, 22, 23, 24} , LP850-EMC ^{22, 23, 24} , LP9002-E (LP9002L-E) ^{23, 24, 32} , LP9802-E ^{24, 37, 38, 39} , LP9802DC-E ^{24, 37, 38, 39} , LP982-E ^{24, 37, 38, 39} ; QLogic: QLA2202F-EMC ^{19, 20} , QLA2300F-E-SP ^{31, 32, 33, 34} , QLA2310F-E-SP ^{31, 32, 33, 34} , QLA2340-E-SP ^{31, 32, 33, 34} , QLA2342-E-SP ^{31, 32, 33, 34}	FC-AL, FC-SW	Y
14	xSeries x235 ⁴	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC ^{27, 28, 29, 30} , LP8000-EMC ^{21, 22, 23, 24} , LP850-EMC ^{23, 24} , LP9002-E (LP9002L-E) ^{23, 24, 32} , LP9802-E ^{24, 37, 38, 39} , LP9802DC-E ^{24, 37, 38, 39} , LP982-E ^{24, 37, 38, 39} ; IBM: 00N6881 (QLA2200) ^{19, 20, 25, 26} , 19K1246(QLA2310) ^{31, 33, 34, 41, 42} , 24P0960(QLA2340) ^{31, 33, 34, 43} ; QLogic: QLA2200F-EMC ^{19, 20} , QLA2202F-EMC ^{18, 19, 20} , QLA2300F-E-SP ^{31, 32, 33, 34} , QLA2310F-E-SP ^{31, 32, 33, 34} , QLA2340-E-SP ^{31, 32, 33, 34} , QLA2342-E-SP ^{31, 32, 33, 34}	FC-AL, FC-SW	Y
15	xSeries x345 ⁴	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC ^{27, 28, 29, 30} , LP8000-EMC ^{21, 22, 23, 24} , IBM: 19K1246(QLA2310) ^{31, 33, 34, 41, 42} , 24P0960(QLA2340) ^{31, 33, 34, 43} ; QLogic QLA2202F-EMC ^{19, 20}	FC-AL, FC-SW	Y
16	xSeries x445	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC ^{27, 28, 29, 30} , LP8000-EMC ^{21, 22, 23, 24} , LP850-EMC ^{22, 23, 24} , LP9002-E (LP9002L-E) ^{23, 24, 32} , LP9802-E ^{24, 37, 38, 39} , LP9802DC-E ^{24, 37, 38, 39} , LP982-E ^{24, 37, 38, 39} ; IBM: 00N6881 (QLA2200) ^{19, 20, 25, 26} , 19K1246(QLA2310) ^{31, 33, 34, 41, 42} , 24P0960(QLA2340) ^{31, 33, 34, 42, 43} ; QLogic: QLA2200F-EMC ^{19, 20} , QLA2202F-EMC ^{18, 19, 20} , QLA2300F-E-SP ^{31, 32, 33, 34} , QLA2310F-E-SP ^{31, 32, 33, 34} , QLA2340-E-SP ^{31, 32, 33, 34} , QLA2342-E-SP ^{31, 32, 33, 34}	FC-AL, FC-SW	Y
17	xSeries x440 ⁴	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC ^{27, 28, 29, 30} , LP8000-EMC ^{21, 23, 24} , LP850-EMC ^{22, 23, 24} , IBM: 00N6881 (QLA2200) ^{19, 20, 25, 26} , 19K1246(QLA2310) ^{31, 33, 34, 41, 42} , 24P0960(QLA2340) ^{31, 33, 34, 42, 43} ; QLogic: QLA2200F-EMC ^{19, 20} , QLA2202F-EMC ^{18, 19, 20} , QLA2300F-E-SP ^{31, 32, 33, 34}	FC-AL, FC-SW	Y
18	Netfinity 8500R; xSeries x255 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2200F-EMC ^{19, 20}	FC-SW	Y
19	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ⁶ , 7100, 7600; xSeries: X330 ⁴ , X335, X340 (4500R) ⁴ , X342 ⁴ , x230, x240 ⁴ , x250 ⁴ , x350 (6000R) ⁴ , x370 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944W ^{7, 8, 9, 11, 13}	FWD	Y
20	xSeries x255 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944W ^{7, 8, 9, 11, 13} , DG 7444 (Symbios C825); NCR 53C720-Q720	FWD	Y
21	Netfinity 8500R	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec: AHA-2944UW ^{7, 9, 10, 11} , AHA-2944W ^{7, 8, 9, 11, 13} , DG 7444 (Symbios C825); NCR 53C720-Q720	FWD	Y
22	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ⁶ , 7100, 7600; xSeries: X330 ⁴ , X335, X340 (4500R) ⁴ , X342 ⁴ , x230, x240 ⁴ , x250 ⁴ , x350 (6000R) ⁴ , x370 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{7, 8, 9, 10, 11} , BusLogic BT958D2, 3, 5; QLogic: QLA1041 ^{14, 15} , QLA1240D ^{16, 17} ; Symbios SYM22802	UWD	Y
23	Netfinity 8500R; xSeries x255 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-3944AUWD ^{7, 9, 54} , BusLogic BT958D2, 3, 5; HPQ: A5252A ⁴⁴ , A5252B ⁴⁴ , NCR PQS2, 152, 53; QLogic: QLA1041D ¹⁵ , QLA1041 ^{14, 15} , QLA1240D ^{16, 17} ; Symbios SYM22802	UWD	Y
24	Netfinity 8500R	PCI	Microsoft Windows NT 4.0 SP6A ^{1, 12}	Adaptec AHA-2944UW ^{7, 8, 9, 10, 11}	UWD	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.

2. HBA BIOS is 5.96F.

3. BusLogic Driver available at: <http://www.mylex.com/support/productgd/index.html>

4. For IBM xSeries Servers running Windows NT and Windows 2000 with IBM ServerRaid controller 4M, the ServerRaid Driver must be 6.00 or above for use with EMC PowerPath 3.0 and above. IBM driver can be downloaded at: <http://www-3.ibm.com/pc/support/site.wss/document.do?indocid=MIGR-39723>

5. Driver Version 5.01.
6. This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
7. HBA BIOS is 2.20.
8. Driver V2.12S1 is required for Adaptec AHA-2944UW to work in IBM Netfinity 5000 and 7000-M10.
9. Driver for Adaptec available at: <http://www.adaptec.com/worldwide/support/suppyproduct.html?cat=/Technology/SCSI+Host+Adapters&fromPage=driverindex>
10. **Requires Legacy PCI slot (not available on most new servers.)**
11. Driver Version 2.12s4.
12. Trimetra XtraSERVER Windows NT Additions package BN553205
13. **AHA-2944W is no longer available in distribution channels.**
14. HBA BIOS is 6.26.
15. Driver Version 2.36.
16. HBA BIOS is 1.26.
17. Driver Version 1.3.00.
18. Dual port fibre Channel controller.
19. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
20. Driver Version 8.1.5.20.
21. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
22. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
23. Firmware Version 3.90a7.
24. Driver Version 2.20a12.
25. For IBM Netfinity and xSeries Intel servers only.
26. (QLA2200) For IBM xSeries and Netfinity servers only.
27. SNIA API Supported.
28. Driver/Firmware available at <http://www.emulex.com>
29. Driver Version 2.13a4.
30. Firmware Version 3.30a7.
31. HBA BIOS is 1.34.
32. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
33. Driver/BIOS are available at <http://www.qlogic.com>
34. Driver Version 8.1.5.21.
35. Qlogic SanBlade Manager is not supported.
36. Qlogic SANSurfer/SANBlade Manager is not supported.
37. Firmware Version 1.01a2.
38. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
39. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
40. It is recommended that the QLogic QLA2340 is not installed in Slot 1.
41. This HBA is equivalent to the qLogic QLA2310.
42. Host must be offline for interfamily Symmetrix microcode upgrade.
43. This HBA is equivalent to the qLogic QLA2340.
44. (Adaptec AHA-2944UW)
45. Driver Version 2.09D.
46. HBA BIOS is 1.37.
47. Driver Version 6.16.
48. Requires manual intervention on bootup to clear "new hardware found" message box at boot time.
49. The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
50. Driver Version 2.0.25.44. Driver available at http://h20004.www2.hp.com/keeper_r/notes/bsdmatrix/matrix213991.html
51. (HHBA-5101BK-01)
52. Requires NCR WorldMark Server.
53. Driver Version 4.15 or higher.
54. Driver Version 2.21.
55. The LP9002-E now ships with the LP9002L-E low profile adapter.

NCR

NCR – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Worldmark: 4300, 4380, 4400	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2100F-EMC ^{16, 24, 25}	FC-AL	Y
2	Worldmark: 4300, 4380, 4400, 47XX, 48XX, 52XX, S50	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{10, 11, 12} , LP850-EMC ^{10, 11} ; QLogic: QLA2200F-EMC ^{8, 9} , QLA2202F-EMC ^{8, 9, 13} , QLA2300F-E-SP ^{14, 15, 16, 17} , QLA2310F-E-SP ^{14, 15, 16, 17} , QLA2340-E-SP ^{14, 15, 16, 17} , QLA2342-E-SP ^{14, 15, 16, 17}	FC-AL, FC-SW	Y
3	Worldmark: 4300, 4380, 4400	PCI	Microsoft Windows NT 4.0 SP6A ¹	HPQ: A5246A (Agilent HHBA-5000A) ^{1, 19} , D8602A (Agilent HHBA-5101B) ^{1, 20, 21} , D8602B (Agilent HHBA-5101C) ^{1, 21, 22, 23}	FC-AL, FC-SW	N
4	Worldmark: 3400, 8550	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2202F-EMC ^{8, 9}	FC-AL, FC-SW	Y
5	Worldmark: 4300, 4380, 4400, 47XX, 48XX, 52XX, S50	PCI	Microsoft Windows NT 4.0 SP6A ¹	NCR 53C720-Q720	FWD	Y
6	Worldmark 3400	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{2, 3, 4, 5} ; HPQ A5252B ¹⁸	UWD	Y
7	Worldmark: 4300, 4380, 4400, 47XX, 48XX, 52XX	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{2, 3, 4, 5} ; HPQ A5252B ¹⁸ ; NCR PQS2.1 ^{6, 7}	UWD	Y
8	Worldmark S50	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{2, 3, 4, 5} ; NCR PQS2.1 ^{6, 7}	UWD	Y
9	Worldmark 8550	PCI	Microsoft Windows NT 4.0 SP6A ¹	HPQ A5252B ¹⁸	UWD	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. HBA BIOS is 2.20.
3. Driver for Adaptec available at: <http://www.adaptec.com/worldwide/support/suppyproduct.html?cat=/Technology/SCSI+Host+Adapters&fromPage=driverindex>
4. **Requires Legacy PCI slot (not available on most new servers.)**
5. Driver Version 2.12s4.
6. Requires NCR WorldMark Server.
7. Driver Version 4.15 or higher.
8. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
9. Driver Version 8.1.5.20.
10. Firmware Version 3.90a7.
11. Driver Version 2.20a12.
12. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
13. Dual port fibre Channel controller.
14. HBA BIOS is 1.34.
15. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
16. Driver/BIOS are available at <http://www.qlogic.com>

17. Driver Version 8.1.5.21.
18. (Adaptec AHA-2944UW)
19. Driver Version 2.09D.
20. (HHBA-5101BK-01)
21. Driver Version 2.0.25.44. Driver available at http://h20004.www2.hp.com/keeper_nnotes/bsdmatrix/matrix213991.html
22. Requires manual intervention on bootup to clear "new hardware found" message box at boot time.
23. The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
24. Driver Version 6.16.
25. HBA BIOS is 1.37.

NE

NE – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	P7000	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2202F-EMC ^{6,7}	FC-AL, FC-SW	Y
2	P7000	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{2,3,4,5}	UWD	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. HBA BIOS is 2.20.
3. Driver for Adaptec available at: <http://www.adaptec.com/worldwide/support/suppyproduct.html?cat=/Technology/SCSI+Host+Adapters&fromPage=driverindex>
4. **Requires Legacy PCI slot (not available on most new servers.)**
5. Driver Version 2.12s4.
6. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
7. Driver Version 8.1.5.20.

NEC

NEC – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-2, 140Ra-7, 140Rb-4, 180Rb-7, 180Rc-4	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP850-EMC ^{16,17} ; NEC: N8103-200 ^{16,17,28} , N8190-105 ^{16,17} , N8503-200 ^{16,17,27}	FC-AL, FC-SW	Y
2	Express 5800: 140Ha, 140Hb, 140Ma, 140Ra-4, 180Ha	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{16,17,18} , LP850-EMC ^{16,17} , LP9002-E (LP9002L-E) ^{16,17,21} , LP9802-E ^{17,24,25,26} , LP9802DC-E ^{17,24,25,26} , LP982-E ^{17,24,25,26} ; NEC: N8103-200 ^{16,17,28} , N8190-105 ^{16,17,21,24} , N8503-200 ^{16,17,27} ; QLogic: QLA2200F-EMC ^{14,15} , QLA2202F-EMC ^{14,15,19} , QLA2300F-E-SP ^{20,21,22,23} , QLA2310F-E-SP ^{20,21,22,23} , QLA2340-E-SP ^{20,21,22,23} , QLA2342-E-SP ^{20,21,22,23}	FC-AL, FC-SW	Y
3	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ^{16,17,18} , LP850-EMC ^{16,17} , LP9002-E (LP9002L-E) ^{16,17,21} , LP9802-E ^{17,24,25,26} , LP9802DC-E ^{17,24,25,26} , LP982-E ^{17,24,25,26} ; NEC: N8103-200 ^{16,17,28} , N8190-105 ^{16,17} , N8190-105 ^{16,17,21,24} , N8503-200 ^{16,17,27} ; QLogic: QLA2200F-EMC ^{14,15} , QLA2202F-EMC ^{14,15,19} , QLA2300F-E-SP ^{20,21,22,23} , QLA2310F-E-SP ^{20,21,22,23} , QLA2340-E-SP ^{20,21,22,23} , QLA2342-E-SP ^{20,21,22,23}	FC-AL, FC-SW	Y
4	Express 5800: 120Rd-1, 120Rf-2, 140Ha, 140Hd, 140Ma, 140Rc-4, 180Ha	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944W ^{5,6,8,9}	FWD	Y
5	Express 5800: 120Rd-1, 120Rf-2, 140Ha, 140Hd, 140Ma, 140Rc-4, 180Ha	PCI	Microsoft Windows NT 4.0 SP6A ¹	Adaptec AHA-2944UW ^{5,6,7,8} ; BusLogic BT958D ^{2,3,4} ; QLogic: QLA1041 ^{10,11} , QLA1240D ^{12,13} ; Symbios SYM22802	UWD	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. HBA BIOS is 5.96F.
3. BusLogic Driver available at: <http://www.mylex.com/support/productgd/index.html>
4. Driver Version 5.01.
5. HBA BIOS is 2.20.
6. Driver for Adaptec available at: <http://www.adaptec.com/worldwide/support/suppyproduct.html?cat=/Technology/SCSI+Host+Adapters&fromPage=driverindex>
7. **Requires Legacy PCI slot (not available on most new servers.)**
8. Driver Version 2.12s4.
9. **AHA-2944W is no longer available in distribution channels.**
10. HBA BIOS is 6.26.
11. Driver Version 2.36.
12. Driver Version 1.3.00.
13. HBA BIOS is 1.26.
14. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
15. Driver Version 8.1.5.20.
16. Firmware Version 3.90a7.
17. Driver Version 2.20a12.
18. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
19. Dual port fibre Channel controller.
20. HBA BIOS is 1.34.
21. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
22. Driver/BIOS are available at <http://www.qlogic.com>
23. Driver Version 8.1.5.21.
24. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
25. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
26. Firmware Version 1.01a2.
27. Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. Supports SNIA HBA API.
28. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.

Unisy

Unisys – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	HR/6 ⁸ ; HS/6; QR/6; QS/6 ⁸ ; SMP6400 ⁵ ; XR/6 ⁸ ; XS/6	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2202F–EMC ^{13, 14}	FC–AL, FC–SW	Y
2	ES7000/100; ES7000/200; ES7000/230	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2202F–EMC ^{13, 14} ; Unisys: FCH720111–P64 (LP8000–D1) ^{10, 11, 12} , FCH720113–P64 (LP8000–EMC, LP8000–F1) ^{10, 11, 12}	FC–AL, FC–SW	Y
3	DR/2; DS/2; QR/2; QS/2	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2202F–EMC ^{13, 14} ; Unisys: FCH720111–P64 (LP8000–D1) ^{10, 11, 12} , FCH720113–P64 (LP8000–EMC, LP8000–F1) ^{10, 11, 12} , PCI 1100–FC (QLA2100) ⁹ , PCI 1120–FC (QLA2100–EMC, QLA2100F) ⁹	FC–AL, FC–SW	Y
4	ES2023; ES2024; ES2025; ES2043; ES2045; ES2085; ES5024; ES5043; ES5044; ES5045; ES5085	PCI	Microsoft Windows NT 4.0 SP6A ¹	Unisys: FCH720111–P64 (LP8000–D1) ^{10, 11, 12} , FCH720113–P64 (LP8000–EMC, LP8000–F1) ^{10, 11, 12}	FC–AL, FC–SW	Y
5	DR/2; DS/2; ES2023; ES2024; ES2025; ES2043; ES2044; ES2045; ES2085; ES5000; ES5024; ES5043; ES5044; ES5045; ES5085	PCI	Microsoft Windows NT 4.0 SP6A ¹	Unisys PCI 400–1UD (AHA2944UW) ^{2, 3, 4}	UWD	Y
6	XR/6 ⁸ ; XS/6	PCI	Microsoft Windows NT 4.0 SP6A ¹	Unisys: OSR2944–HBA (AHA–2944DW) ^{2, 3, 4, 6} , PCI 400–1UD (AHA2944UW) ^{2, 3, 4} , PCI 400–4UD (AHA4944UW) ⁶ , SFA 1001–QDW (Adaptec AHA4944) ⁶ , SFA 10201–SDW (Symbios 8751D) ⁶	UWD	Y
7	SMP6400 ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Unisys: OSR2944–HBA (AHA–2944DW) ^{2, 3, 4, 6} , PCI 400–1UD (AHA2944UW) ^{2, 3, 4} , SFA 1001–QDW (Adaptec AHA4944) ⁶ , SFA 1001–SDW (Symbios 825A) ⁶ , SFA 10201–SDW (Symbios 8751D) ⁷	UWD	Y
8	QR/2; QR/6; QS/2; QS/6 ⁸	PCI	Microsoft Windows NT 4.0 SP6A ¹	Unisys: PCI 400–1UD (AHA2944UW) ^{2, 3, 4} , SFA 1001–QDW (Adaptec AHA4944) ⁶ , SFA 10201–SDW (Symbios 8751D) ⁶	UWD	Y
9	HR/6 ⁸ ; HS/6	PCI	Microsoft Windows NT 4.0 SP6A ¹	Unisys: PCI 400–1UD (AHA2944UW) ^{2, 3, 4} , SFA 10201–SDW (Symbios 8751D) ⁶	UWD	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- HBA BIOS is 2.20.
- Driver for Adaptec available at: <http://www.adaptec.com/worldwide/support/supplyproduct.html?cat=/Technology/SCSI+Host+Adapters&fromPage=driverindex>
- Driver Version 2.12s4.
- Servers are not supported on Symmetrix 5.0.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Supported by Unisys only.
- Used in clustered environments only.
- Driver Version 6.16.
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without –EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.

- Driver Version 2.20a12.
- Firmware Version 3.90a7.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Driver Version 8.1.5.20.

NCR UNIX SVR4 MPRAS NCR

NCR – NCR UNIX SVR4 MPRAS							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Worldmark 4470	PCI	NCR UNIX SVR4 MPRAS 3.02	QLogic QLA2204F ⁷	FC–AL	Y	See ⁶
2	Worldmark: 4455, 4470, 4475	PCI	NCR UNIX SVR4 MPRAS 3.02	LSI ITI7004G2 ^{7, 8} ; QLogic QLA2204F ⁷	FC–AL, FC–SW	Y	
3	Worldmark 4480	PCI	NCR UNIX SVR4 MPRAS 3.02	LSI ITI7004G2 ⁸	FC–AL, FC–SW	Y	
4	Worldmark: 3600AP, 41xx, 45xx	MCA	NCR UNIX SVR4 MPRAS: 3.01 ^{2, 3} , 3.02 ²	NCR 53C700–Q720	FWD	Y	See ¹
5	Worldmark 3600	MCA	NCR UNIX SVR4 MPRAS: 3.01 ^{2, 3} , 3.02 ²	NCR 53C720–Q720	FWD	Y	See ¹
6	Worldmark: 34xx, 35xx	MCA	NCR UNIX SVR4 MPRAS: 3.01 ^{2, 3} , 3.02 ²	NCR: 53C700–Q720, 53C720–Q720	FWD	Y	See ¹
7	Worldmark 4500	PCI	NCR UNIX SVR4 MPRAS 3.01 ^{2, 3}	NCR HP–PQS	U2 LVD	Y	See ⁴
8	Worldmark: 4300, 4380, 4500	PCI	NCR UNIX SVR4 MPRAS 3.02 ²	NCR HP–PQS	U2 LVD	Y	
9	Worldmark 4400	PCI	NCR UNIX SVR4 MPRAS: 3.01 ^{2, 3} , 3.02 ²	NCR HP–PQS	U2 LVD	Y	See ⁴
10	Worldmark: 48XX, S50	PCI	NCR UNIX SVR4 MPRAS: 3.01 ^{2, 3} , 3.02 ²	NCR HP–PQS	U2 LVD	Y	See ^{4, 5}
11	Worldmark: 4300, 4380	PCI	NCR UNIX SVR4 MPRAS 3.02 ²	NCR PQS2.1	UWD	Y	See ⁴

NCR – NCR UNIX SVR4 MPRAS							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
12	Worldmark: 4300, 4400, 4455, 4500, 48XX, 52XX, S50	PCI	NCR UNIX SVR4 MPRAS 3.02 ²	NCR: 4400–F280, 4400–F282	UWD	Y	See ⁵
13	Worldmark: 4400, 4500	PCI	NCR UNIX SVR4 MPRAS: 3.01 ^{2,3} , 3.02 ²	NCR PQS2.1	UWD	Y	See ⁴

- Limited support available from NCR – requires RPQ
- Symmetrix 8000 Series & 66/67 support at MPRAS 3.02, Windows 2000 SP2.
- Limited support available for MPRAS 3.01.
- Dual-port SCSI is not offered on the 4700
- Qualified by NCR.
- Requires package: PKERN302, PS MBAS302
- Driver Version 1.08. BIOS version 1.76, available at <http://www.qlogic.com>
- Requires package PSCSI302 Ver.02.10.10.09 or higher available from NCR.

NEC UX4800 NEC

NEC – NEC UX4800							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	UP4800: 660, 710, 740, 740AD, 760, 760AD, 760EX, 760R, 760RAD, 760REX, 780, 790, 860, 860AD, 860EX, 860R, 860RAD, 860REX, 880, 880AD, 890, 890AD	PCI	NEC UX4800: R13.5 ^{1,2} , R13.6 ^{1,2} , R14.1 Rev A ^{1,2}	NEC N4209–54	UWD	N	

- Limited support is available for R13.5 and R13.6; requires an RPQ and a patch from NEC.
- Symmetrix 8000 Series & 66/67 support at UX4800 R14.1.

Novell Netware Dell

Dell – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge: 1550, 2500, 2550 ²⁶	PCI	Novell Netware 5.00 SP6A ^{4,11,36,37}	QLogic QLA2100F–EMC ⁵	FC–AL	Y ^{1,2,28}	
2	PowerEdge: 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.00 SP6A ^{4,11,36,37}	QLogic QLA2100F–EMC ⁵	FC–AL	Y ^{1,2}	
3	PowerEdge: 2300, 6400, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.00 SP6A ^{4,11,36,37}	QLogic QLA2200F–EMC ^{8,9}	FC–AL	N	
4	PowerEdge: 2450, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.00 SP6A ^{4,11,36,37}	QLogic QLA2200F–EMC ^{8,9}	FC–AL	Y ^{2,6,7}	
5	PowerEdge: 2450, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP2A ^{4,11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4,36,38} , SP2 ^{4,36} , SP3 ³⁶	QLogic QLA2100F–EMC ⁵	FC–AL	Y ^{1,2,3}	
6	PowerEdge: 2450, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP2A ^{4,11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4,36,38} , SP2 ^{4,36} , SP3 ³⁶	QLogic QLA2200F–EMC ^{8,9,10}	FC–AL	Y ^{2,3,6,7}	
7	PowerEdge: 2300, 6400, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.10: SP2A ^{4,11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4,36,38} , SP2 ^{4,36} , SP3 ³⁶ ; Novell Netware 6.5 ^{36,40}	QLogic QLA2200F–EMC ^{8,9,10}	FC–AL	N	
8	PowerEdge: 1550, 2500, 2550 ²⁶	PCI	Novell Netware 5.10: SP5 ⁴ , SP6	QLogic QLA2100F–EMC ⁵	FC–AL	Y ^{1,2,3,28}	See ¹⁵
9	PowerEdge: 2400, 4300	PCI	Novell Netware 5.10: SP5 ⁴ , SP6	QLogic QLA2100F–EMC ⁵	FC–AL	Y ^{1,2,3}	See ¹⁵
10	PowerEdge: 1550, 2500, 2550 ²⁶	PCI	Novell Netware 5.10: SP5 ⁴ , SP6	QLogic QLA2200F–EMC ^{8,9,10}	FC–AL	Y ^{2,3,6,7,28,29}	
11	PowerEdge: 1550, 2400, 2500, 2550 ²⁶ , 4300	PCI	Novell Netware 6.5 ^{36,40}	QLogic QLA2100F–EMC ⁵	FC–AL	N	
12	PowerEdge: 2450, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 6.5 ^{36,40}	QLogic: QLA2100F–EMC ⁵ , QLA2200F–EMC ^{8,9,10}	FC–AL	N	
13	PowerEdge: 2300, 6400, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Netware: 5.00 SP6A ^{4,11,36,37} , 5.10 SP2A ^{4,11} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4,36,38} , 6.0 SP2 ^{4,36} , 6.0 SP3 ³⁶ , 6.5 ^{36,40}	QLogic QLA2100F–EMC ⁵	FC–AL	N	
14	PowerEdge: 2400, 4300	PCI	Novell Netware: 5.00 SP6A ^{4,11,36,37} , 5.10 SP2A ^{4,11} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4,36,38} , 6.0 SP2 ^{4,36} , 6.0 SP3 ³⁶ , 6.5 ^{36,40}	QLogic QLA2100F ^{5,13}	FC–AL	N	
15	PowerEdge: 1550, 2500, 2550 ²⁶	PCI	Novell Netware: 5.10 SP2A ^{4,11} , 6.0 SP1 ^{4,36} , 6.0 SP2 ^{4,36} , 6.0 SP3 ³⁶	QLogic QLA2100F–EMC ⁵	FC–AL	Y ^{1,2,3,28}	
16	PowerEdge: 2400, 4300	PCI	Novell Netware: 5.10 SP2A ^{4,11} , 6.0 SP1 ^{4,36} , 6.0 SP2 ^{4,36} , 6.0 SP3 ³⁶	QLogic QLA2100F–EMC ⁵	FC–AL	Y ^{1,2,3}	
17	PowerEdge 4600	PCI–X	Novell Netware 5.00 SP6A ^{4,11,36,37}	QLogic QLA2100F–EMC ⁵	FC–AL	Y ^{1,2}	See ¹⁵
18	PowerEdge: 2600, 2650	PCI–X	Novell Netware 5.00 SP6A ^{4,11,36,37}	QLogic QLA2100F–EMC ⁵	FC–AL	Y ^{1,2,28}	
19	PowerEdge: 6600, 6650	PCI–X	Novell Netware 5.00 SP6A ^{4,11,36,37}	QLogic QLA2100F–EMC ⁵	FC–AL	Y ^{1,2}	
20	PowerEdge 2650	PCI–X	Novell Netware 5.00 SP6A ^{4,11,36,37}	QLogic QLA2200F–EMC ^{8,9}	FC–AL	Y ^{2,6,7,28,29}	
21	PowerEdge: 6600, 6650	PCI–X	Novell Netware 5.00 SP6A ^{4,11,36,37}	QLogic QLA2200F–EMC ^{8,9}	FC–AL	Y ^{2,6,7}	
22	PowerEdge 2650	PCI–X	Novell Netware 5.10: SP2A ^{4,11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4,36,38} , SP2 ^{4,36} , SP3 ³⁶	QLogic QLA2100F–EMC ⁵	FC–AL	Y ^{1,2,3,28}	
23	PowerEdge 2650	PCI–X	Novell Netware 5.10: SP2A ^{4,11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4,36,38} , SP2 ^{4,36} , SP3 ³⁶	QLogic QLA2200F–EMC ^{8,9,10}	FC–AL	Y ^{2,3,6,7,28,29}	
24	PowerEdge 4600	PCI–X	Novell Netware 5.10: SP2A ^{4,11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4,36} , SP2 ^{4,36} , SP3 ³⁶	QLogic QLA2100F–EMC ⁵	FC–AL	Y ^{1,2,3}	See ¹⁵

Dell – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
25	PowerEdge: 6600, 6650	PCI-X	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36} , SP2 ^{4, 36} , SP3 ³⁶	QLogic QLA2100F-EMC ⁵	FC-AL	Y1, 2, 3	
26	PowerEdge: 6600, 6650	PCI-X	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36} , SP2 ^{4, 36} , SP3 ³⁶	QLogic QLA2200F-EMC ^{8, 9, 10}	FC-AL	Y2, 3, 6, 7	
27	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP5 ⁴ , SP6	QLogic QLA2100F-EMC ⁵	FC-AL	Y1, 2, 3, 28	See ¹⁵
28	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP5 ⁴ , SP6	QLogic QLA2200F-EMC ^{8, 9, 10}	FC-AL	Y2, 3, 6, 7, 28, 29	
29	PowerEdge 2600	PCI-X	Novell Netware 6.5 ^{36, 40}	QLogic QLA2100F-EMC ⁵	FC-AL	N	
30	PowerEdge 4600	PCI-X	Novell Netware 6.5 ^{36, 40}	QLogic QLA2100F-EMC ⁵	FC-AL	N	See ¹⁵
31	PowerEdge: 2650, 6600, 6650	PCI-X	Novell Netware 6.5 ^{36, 40}	QLogic: QLA2100F-EMC ⁵ , QLA2200F-EMC ^{8, 9, 10}	FC-AL	N	
32	PowerEdge 4600	PCI-X	Novell Netware: 5.00 SP6A ^{4, 11, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 36, 38} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	QLogic QLA2100F ^{5, 13}	FC-AL	N	
33	PowerEdge 2600	PCI-X	Novell Netware: 5.10 SP2A ^{4, 11} , 6.0 SP1 ^{4, 36} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶	QLogic QLA2100F-EMC ⁵	FC-AL	Y1, 2, 3, 28	
34	PowerEdge: 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.00 SP6A ^{4, 11, 16, 36, 37}	QLogic QLA2202F-EMC ^{5, 8, 9}	FC-AL, FC-SW	Y2, 6, 7	
35	PowerEdge: 2500, 2550 ²⁶	PCI	Novell Netware 5.00 SP6A ^{4, 11, 16, 36, 37}	QLogic QLA2202F-EMC ^{5, 8, 9}	FC-AL, FC-SW	Y2, 6, 7, 28, 29	
36	PowerEdge: 2500, 2550 ²⁶	PCI	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	QLogic QLA2200F-EMC ^{8, 9}	FC-AL, FC-SW	Y2, 6, 7, 28, 29	
37	PowerEdge 1650	PCI	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	QLogic QLA2300F-E-SP ^{8, 12}	FC-AL, FC-SW	N	See ¹⁵
38	PowerEdge: 1550, 2400, 2450, 2500, 2550 ²⁶ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	QLogic QLA2300F-E-SP ^{8, 12}	FC-AL, FC-SW	N	
39	PowerEdge 1550	PCI	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	QLogic: QLA2200F-EMC ^{8, 9} , QLA2202F-EMC ^{5, 8, 9}	FC-AL, FC-SW	Y2, 6, 7, 28, 29	
40	PowerEdge 1650	PCI	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	QLogic: QLA2200F-EMC ^{8, 9} , QLA2202F-EMC ^{5, 8, 9} , QLA2310F-E-SP ^{8, 12, 14} , QLA2340-E-SP ^{8, 12, 14} , QLA2342-E-SP ^{8, 12, 14}	FC-AL, FC-SW	Y2, 6, 7	See ¹⁵
41	PowerEdge: 2300, 6400, 8450	PCI	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	QLogic: QLA2200F-EMC ^{8, 9} , QLA2300F-E-SP ^{8, 12} , QLA2310F-E-SP ^{8, 12, 14} , QLA2340-E-SP ^{8, 12, 14} , QLA2342-E-SP ^{8, 12, 14}	FC-AL, FC-SW	N	
42	PowerEdge: 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	QLogic: QLA2200F-EMC ^{8, 9} , QLA2310F-E-SP ^{8, 12, 14} , QLA2340-E-SP ^{8, 12, 14} , QLA2342-E-SP ^{8, 12, 14}	FC-AL, FC-SW	Y2, 6, 7	
43	PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	QLogic: QLA2300F-E-SP ^{8, 12} , QLA2310F-E-SP ^{8, 12, 14} , QLA2340-E-SP ^{8, 12, 14} , QLA2342-E-SP ^{8, 12, 14}	FC-AL, FC-SW	N	
44	PowerEdge: 1550, 2500, 2550 ²⁶	PCI	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	QLogic: QLA2310F-E-SP ^{8, 12, 14} , QLA2340-E-SP ^{8, 12, 14} , QLA2342-E-SP ^{8, 12, 14}	FC-AL, FC-SW	Y2, 6, 7, 28	
45	PowerEdge: 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ^{4, 11} , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	QLogic QLA2202F-EMC ^{5, 8, 9}	FC-AL, FC-SW	Y2, 3, 6, 7	
46	PowerEdge: 2500, 2550 ²⁶	PCI	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ^{4, 11} , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	QLogic QLA2202F-EMC ^{5, 8, 9}	FC-AL, FC-SW	Y2, 3, 6, 7, 28, 29	
47	PowerEdge 2300	PCI	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ^{4, 11} , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	QLogic: QLA2310F-E-SP ^{8, 10, 12, 14} , QLA2340-E-SP ^{8, 10, 12, 14} , QLA2342-E-SP ^{8, 10, 12, 14}	FC-AL, FC-SW	N	
48	PowerEdge: 1550, 2500, 2550 ²⁶	PCI	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ^{4, 39} , SP6; Novell Netware 6.0: SP1 ^{4, 36} , SP2 ^{4, 36} , SP3 ³⁶	QLogic QLA2310F-E-SP ^{8, 10, 12, 14}	FC-AL, FC-SW	Y2, 3, 6, 7, 28	
49	PowerEdge 1550	PCI	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	QLogic QLA2202F-EMC ^{5, 8, 9}	FC-AL, FC-SW	Y2, 3, 6, 7, 28, 29	
50	PowerEdge 1650	PCI	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	QLogic: QLA2200F-EMC ^{8, 9, 10} , QLA2202F-EMC ^{5, 8, 9} , QLA2310F-E-SP ^{8, 10, 12, 14} , QLA2340-E-SP ^{8, 10, 12, 14} , QLA2342-E-SP ^{8, 10, 12, 14}	FC-AL, FC-SW	Y2, 3, 6, 7	See ¹⁵
51	PowerEdge: 2400, 4300	PCI	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	QLogic: QLA2200F-EMC ^{8, 9, 10} , QLA2310F-E-SP ^{8, 10, 12, 14} , QLA2340-E-SP ^{8, 10, 12, 14} , QLA2342-E-SP ^{8, 10, 12, 14}	FC-AL, FC-SW	Y2, 3, 6, 7	
52	PowerEdge: 2450, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	QLogic: QLA2310F-E-SP ^{8, 10, 12, 14} , QLA2340-E-SP ^{8, 10, 12, 14} , QLA2342-E-SP ^{8, 10, 12, 14}	FC-AL, FC-SW	Y2, 3, 6, 7	
53	PowerEdge: 6400, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	QLogic: QLA2310F-E-SP ^{8, 10, 12, 14} , QLA2340-E-SP ^{8, 10, 12, 14} , QLA2342-E-SP ^{8, 10, 12, 14}	FC-AL, FC-SW	N	
54	PowerEdge 1650	PCI	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶ ; Novell Netware 6.5 ^{36, 40}	QLogic QLA2300F-E-SP ^{8, 10, 12}	FC-AL, FC-SW	N	See ¹⁵
55	PowerEdge: 2300, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶ ; Novell Netware 6.5 ^{36, 40}	QLogic QLA2300F-E-SP ^{8, 10, 12}	FC-AL, FC-SW	N	

Dell – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
56	PowerEdge: 1550, 2500, 2550 ²⁶	PCI	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36} , SP2 ^{4, 36} , SP3 ³⁶	QLogic: QLA2340-E-SP ^{8, 10, 12, 14} , QLA2342-E-SP ^{8, 10, 12, 14}	FC-AL, FC-SW	Y2, 3, 6, 7, 28	
57	PowerEdge 1650	PCI	Novell Netware 6.5 ^{36, 40}	QLogic: QLA2200F-EMC ^{8, 9, 10} , QLA2202F-EMC ^{5, 8, 9} , QLA2310F-E-SP ^{8, 10, 12, 14, 41} , QLA2340-E-SP ^{10, 14, 41} , QLA2342-E-SP ^{10, 14, 41}	FC-AL, FC-SW	N	See ¹⁵
58	PowerEdge: 1550, 2400, 2450, 2500, 2550 ²⁶ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 6.5 ^{36, 40}	QLogic: QLA2200F-EMC ^{8, 9, 10} , QLA2202F-EMC ^{5, 8, 9} , QLA2310F-E-SP ^{8, 10, 12, 14, 41} , QLA2340-E-SP ^{10, 14, 41} , QLA2342-E-SP ^{10, 14, 41}	FC-AL, FC-SW	N	
59	PowerEdge: 2300, 6400, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Netware 6.5 ^{36, 40}	QLogic: QLA2310F-E-SP ^{8, 10, 12, 14, 41} , QLA2340-E-SP ^{10, 14, 41} , QLA2342-E-SP ^{10, 14, 41}	FC-AL, FC-SW	N	
60	PowerEdge: 2300, 8450	PCI	Novell Netware: 5.00 SP6A ^{4, 11, 16, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ^{4, 11} , 5.10 SP6, 6.0 SP1 ^{4, 36, 38} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	QLogic QLA2202F-EMC ^{5, 8, 9}	FC-AL, FC-SW	N	
61	PowerVault: 750N, 755N, 775N	PCI	Novell Netware: 5.00 SP6A ^{4, 11, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ^{4, 11, 16} , 5.10 SP6, 6.0 SP1 ^{4, 36, 38} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	QLogic QLA2202F-EMC ^{5, 8, 9}	FC-AL, FC-SW	N	
62	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2550 ²⁶ , 4300, 4400, 6100, 6300, 6350, 6450, 8450	PCI	Novell Netware: 5.00 SP6A ^{4, 11, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 36, 38} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	Emulex LP9002-E (LP9002L-E) ^{24, 25, 27}	FC-AL, FC-SW	N	
63	PowerEdge 6400	PCI	Novell Netware: 5.00 SP6A ^{4, 11, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 36, 38} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	Emulex LP9002-E (LP9002L-E) ^{24, 25, 27} ; QLogic QLA2202F-EMC ^{5, 8, 9}	FC-AL, FC-SW	N	
64	PowerEdge 2500	PCI	Novell Netware: 5.00 SP6A ^{4, 11, 36, 37} , 5.10 SP2A ^{4, 11} , 6.0 SP1 ^{4, 36} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	Emulex LP9002-E (LP9002L-E) ^{25, 27}	FC-AL, FC-SW	N	
65	PowerEdge: 1550, 2500, 2550 ²⁶	PCI	Novell Netware: 5.10 SP2A ^{4, 11} , 6.0 SP1 ^{4, 36} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶	QLogic QLA2200F-EMC ^{8, 9, 10}	FC-AL, FC-SW	Y2, 3, 6, 7, 28, 29	
66	PowerEdge: 2450, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware: 5.10 SP2A ^{4, 11} , 6.0 SP1 ^{4, 36} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶	QLogic QLA2200F-EMC ^{8, 9, 10}	FC-AL, FC-SW	Y2, 3, 6, 7	
67	PowerEdge: 2300, 6400, 8450	PCI	Novell Netware: 5.10 SP2A ^{4, 11} , 6.0 SP1 ^{4, 36} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	QLogic QLA2200F-EMC ^{8, 9, 10}	FC-AL, FC-SW	N	
68	PowerEdge: 1550, 2500, 2550 ²⁶	PCI	Novell Netware: 5.10 SP2A ^{4, 11} , 6.0 SP1 ^{4, 36} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	QLogic QLA2300F-E-SP ^{8, 10, 12}	FC-AL, FC-SW	N	
69	PowerEdge: 1750, 4600	PCI-X	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	QLogic QLA2300F-E-SP ^{8, 12}	FC-AL, FC-SW	N	See ¹⁵
70	PowerEdge: 2600, 2650, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	QLogic QLA2300F-E-SP ^{8, 12}	FC-AL, FC-SW	N	
71	PowerEdge: 2600, 2650	PCI-X	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	QLogic: QLA2200F-EMC ^{8, 9} , QLA2202F-EMC ^{5, 8, 9}	FC-AL, FC-SW	Y2, 6, 7, 28, 29	
72	PowerEdge: 1750, 4600	PCI-X	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	QLogic: QLA2200F-EMC ^{8, 9} , QLA2202F-EMC ^{5, 8, 9} , QLA2310F-E-SP ^{8, 12, 14} , QLA2340-E-SP ^{8, 12, 14} , QLA2342-E-SP ^{8, 12, 14}	FC-AL, FC-SW	Y2, 6, 7	See ¹⁵
73	PowerEdge: 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	QLogic: QLA2200F-EMC ^{8, 9} , QLA2202F-EMC ^{5, 8, 9} , QLA2310F-E-SP ^{8, 12, 14} , QLA2340-E-SP ^{8, 12, 14} , QLA2342-E-SP ^{8, 12, 14}	FC-AL, FC-SW	Y2, 6, 7	
74	PowerEdge: 2600, 2650	PCI-X	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	QLogic: QLA2310F-E-SP ^{8, 12, 14} , QLA2340-E-SP ^{8, 12, 14} , QLA2342-E-SP ^{8, 12, 14}	FC-AL, FC-SW	Y2, 6, 7, 28	
75	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ^{4, 39} , SP6; Novell Netware 6.0: SP1 ^{4, 36} , SP2 ^{4, 36} , SP3 ³⁶	QLogic QLA2310F-E-SP ^{8, 10, 12, 14}	FC-AL, FC-SW	Y2, 3, 6, 7, 28	
76	PowerEdge 2650	PCI-X	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	QLogic QLA2202F-EMC ^{5, 8, 9}	FC-AL, FC-SW	Y2, 3, 6, 7, 28, 29	
77	PowerEdge 1750	PCI-X	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	QLogic: QLA2200F-EMC ^{8, 9, 10} , QLA2202F-EMC ^{5, 8, 9} , QLA2310F-E-SP ^{8, 10, 12, 14} , QLA2340-E-SP ^{8, 10, 12, 14} , QLA2342-E-SP ^{8, 10, 12, 14}	FC-AL, FC-SW	Y2, 3, 6, 7	See ¹⁵
78	PowerEdge 4600	PCI-X	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	QLogic: QLA2202F-EMC ^{5, 8, 9} , QLA2310F-E-SP ^{8, 10, 12, 14} , QLA2340-E-SP ^{8, 10, 12, 14} , QLA2342-E-SP ^{8, 10, 12, 14}	FC-AL, FC-SW	Y2, 3, 6, 7	See ¹⁵
79	PowerEdge 2650	PCI-X	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	QLogic: QLA2310F-E-SP ^{8, 10, 12, 14} , QLA2340-E-SP ^{8, 10, 12, 14} , QLA2342-E-SP ^{8, 10, 12, 14}	FC-AL, FC-SW	Y2, 3, 6, 7, 28	
80	PowerEdge 2650	PCI-X	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶ , Novell Netware 6.5 ^{36, 40}	QLogic QLA2300F-E-SP ^{8, 10, 12}	FC-AL, FC-SW	N	
81	PowerEdge: 1750, 4600	PCI-X	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶ , Novell Netware 6.5 ^{36, 40}	QLogic QLA2300F-E-SP ^{8, 10, 12}	FC-AL, FC-SW	N	See ¹⁵
82	PowerEdge 4600	PCI-X	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36} , SP2 ^{4, 36} , SP3 ³⁶	QLogic QLA2200F-EMC ^{8, 9, 10}	FC-AL, FC-SW	Y2, 3, 6, 7	See ¹⁵
83	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36} , SP2 ^{4, 36} , SP3 ³⁶	QLogic QLA2202F-EMC ^{5, 8, 9}	FC-AL, FC-SW	Y2, 3, 6, 7, 28, 29	
84	PowerEdge: 6600, 6650	PCI-X	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36} , SP2 ^{4, 36} , SP3 ³⁶	QLogic: QLA2202F-EMC ^{5, 8, 9} , QLA2310F-E-SP ^{8, 10, 12, 14} , QLA2340-E-SP ^{8, 10, 12, 14} , QLA2342-E-SP ^{8, 10, 12, 14}	FC-AL, FC-SW	Y2, 3, 6, 7	

Dell – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
85	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36} , SP2 ^{4, 36} , SP3 ³⁶	QLogic: QLA2340-E-SP ^{8, 10, 12, 14} , QLA2342-E-SP ^{8, 10, 12, 14}	FC-AL, FC-SW	Y2, 3, 6, 7, 28	
86	PowerEdge: 6600, 6650	PCI-X	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36} , SP2 ^{4, 36} , SP3 ³⁶ , Novell Netware 6.5 ^{36, 40}	QLogic QLA2300F-E-SP ^{8, 10, 12}	FC-AL, FC-SW	N	
87	PowerEdge: 1750, 4600	PCI-X	Novell Netware 6.5 ^{36, 40}	QLogic: QLA2200F-EMC ^{8, 9, 10} , QLA2202F-EMC ^{5, 8, 9} , QLA2310F-E-SP ^{8, 10, 12} , 14, 41, QLA2340-E-SP ^{10, 14, 41} , QLA2342-E-SP ^{10, 14, 41}	FC-AL, FC-SW	N	See ¹⁵
88	PowerEdge: 2600, 2650, 6600, 6650	PCI-X	Novell Netware 6.5 ^{36, 40}	QLogic: QLA2200F-EMC ^{8, 9, 10} , QLA2202F-EMC ^{5, 8, 9} , QLA2310F-E-SP ^{8, 10, 12} , 14, 41, QLA2340-E-SP ^{10, 14, 41} , QLA2342-E-SP ^{10, 14, 41}	FC-AL, FC-SW	N	
89	PowerEdge: 1750, 2600, 2650, 4600, 6600, 6650	PCI-X	Novell Netware: 5.00 SP6A ^{4, 11, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 36} , 38, 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	Emulex LP9002-E (LP9002L-E) ^{24, 25, 27}	FC-AL, FC-SW	N	
90	PowerEdge: 2600, 2650	PCI-X	Novell Netware: 5.10 SP2A ^{4, 11} , 6.0 SP1 ^{4, 36} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶	QLogic QLA2200F-EMC ^{8, 9, 10}	FC-AL, FC-SW	Y2, 3, 6, 7, 28, 29	
91	PowerEdge: 6600, 6650	PCI-X	Novell Netware: 5.10 SP2A ^{4, 11} , 6.0 SP1 ^{4, 36} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶	QLogic QLA2200F-EMC ^{8, 9, 10}	FC-AL, FC-SW	Y2, 3, 6, 7	
92	PowerEdge 2600	PCI-X	Novell Netware: 5.10 SP2A ^{4, 11} , 6.0 SP1 ^{4, 36} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	QLogic QLA2300F-E-SP ^{8, 10, 12}	FC-AL, FC-SW	N	
93	PowerEdge: 2300, 2400, 2450, 2550 ²⁶ , 4300, 4400, 6100, 6300, 6350, 6450, 8450	PCI	Novell Netware: 5.00 SP6A ^{4, 11, 16, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ^{4, 11, 16} , 5.10 SP6, 6.0 SP1 ^{4, 36} , 38, 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	Adaptec AHA-2944W ^{20, 23}	FWD	N	
94	PowerVault: 750N, 755N, 775N	PCI	Novell Netware: 5.00 SP6A ^{4, 11, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ^{4, 11, 16} , 5.10 SP6, 6.0 SP1 ^{4, 36} , 38, 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	Adaptec AHA-2944W ²³	FWD	N	
95	PowerEdge: 1550, 1650, 6400	PCI	Novell Netware: 5.00 SP6A ^{4, 11, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 36} , 38, 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	Adaptec AHA-2944W	FWD	N	
96	PowerEdge: 1750, 2600, 4600, 6600, 6650	PCI-X	Novell Netware: 5.00 SP6A ^{4, 11, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 36} , 38, 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	Adaptec AHA-2944W	FWD	N	
97	PowerEdge: 2400, 2450, 2500, 2550 ²⁶ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.00 SP6A ^{4, 11, 16, 36, 37}	Adaptec AHA-2944UW ^{19, 20, 21, 22, 35}	UWD	Y2, 28, 30, 31, 32, 33, 34	
98	PowerEdge 1550	PCI	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	Adaptec AHA-2944UW ^{19, 20, 21, 22, 35}	UWD	Y2, 16, 28, 30, 31, 32, 33, 34	
99	PowerEdge 1650	PCI	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	Adaptec AHA-2944UW ^{19, 20, 21, 22, 35}	UWD	Y2, 16, 28, 30, 31, 32, 33, 34	See ¹⁵
100	PowerEdge: 2400, 2450, 2500, 2550 ²⁶ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ^{4, 11} , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	Adaptec AHA-2944UW ^{19, 20, 21, 22, 35}	UWD	Y2, 3, 16, 28, 30, 31, 32, 33, 34	
101	PowerEdge 1550	PCI	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	Adaptec AHA-2944UW ^{19, 20, 21, 22, 35}	UWD	Y2, 3, 16, 28, 30, 31, 32, 33, 34	
102	PowerEdge 1650	PCI	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	Adaptec AHA-2944UW ^{19, 20, 21, 22, 35}	UWD	Y2, 3, 16, 28, 30, 31, 32, 33, 34	See ¹⁵
103	PowerEdge: 2400, 4300	PCI	Novell Netware 5.10: SP5 ^{4, 11} , SP6	QLogic QLA1041D	UWD	N	
104	PowerEdge 1650	PCI	Novell Netware 6.5 ^{36, 40}	Adaptec AHA-2944UW ^{19, 20, 21, 22, 35}	UWD	N	See ¹⁵
105	PowerEdge: 1550, 2400, 2450, 2500, 2550 ²⁶ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 6.5 ^{36, 40}	Adaptec AHA-2944UW ^{19, 20, 21, 22, 35}	UWD	N	
106	PowerEdge: 2300, 8450	PCI	Novell Netware: 5.00 SP6A ^{4, 11, 16, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ^{4, 11} , 5.10 SP6, 6.0 SP1 ^{4, 36} , 38, 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	Adaptec AHA-2944UW ^{19, 20, 21, 22, 35} , QLogic QLA1041D ^{17, 18}	UWD	N	
107	PowerEdge: 2450, 2500, 2550 ²⁶ , 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware: 5.00 SP6A ^{4, 11, 16, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ^{4, 11} , 5.10 SP6, 6.0 SP1 ^{4, 36} , 38, 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	QLogic QLA1041D ^{17, 18}	UWD	N	
108	PowerEdge: 2400, 4300	PCI	Novell Netware: 5.00 SP6A ^{4, 11, 16, 36, 37} , 5.10 SP2A ^{4, 11} , 6.0 SP1 ^{4, 36, 38} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	QLogic QLA1041D ^{17, 18}	UWD	N	
109	PowerVault: 750N, 755N, 775N	PCI	Novell Netware: 5.00 SP6A ^{4, 11, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ^{4, 11, 16} , 5.10 SP6, 6.0 SP1 ^{4, 36, 38} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	Adaptec AHA-2944UW ^{19, 20, 21, 22} , QLogic QLA1041D ^{17, 18}	UWD	N	
110	PowerEdge 6400	PCI	Novell Netware: 5.00 SP6A ^{4, 11, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 36} , 38, 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	Adaptec AHA-2944UW ^{19, 20, 21, 22, 35} , QLogic QLA1041D	UWD	N	
111	PowerEdge 1550	PCI	Novell Netware: 5.00 SP6A ^{4, 11, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 36} , 38, 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	QLogic QLA1041D	UWD	N	
112	PowerEdge 1650	PCI	Novell Netware: 5.00 SP6A ^{4, 11, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 36} , 38, 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	QLogic QLA1041D	UWD	N	See ¹⁵
113	PowerEdge: 1750, 4600	PCI-X	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	Adaptec AHA-2944UW ^{19, 20, 21, 22, 35}	UWD	Y2, 16, 28, 30, 31, 32, 33, 34	See ¹⁵
114	PowerEdge: 2600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{4, 11, 36, 37}	Adaptec AHA-2944UW ^{19, 20, 21, 22, 35}	UWD	Y2, 16, 28, 30, 31, 32, 33, 34	
115	PowerEdge: 1750, 4600	PCI-X	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	Adaptec AHA-2944UW ^{19, 20, 21, 22, 35}	UWD	Y2, 3, 16, 28, 30, 31, 32, 33, 34	See ¹⁵

Dell – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
116	PowerEdge: 2600, 6600, 6650	PCI-X	Novell Netware 5.10: SP2A ^{4, 11} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 36, 38} , SP2 ^{4, 36} , SP3 ³⁶	Adaptec AHA-2944UW ^{19, 20, 21, 22, 35}	UWD	Y ^{2, 3, 16, 28, 30, 31, 32, 33, 34}	
117	PowerEdge: 1750, 4600	PCI-X	Novell Netware 6.5 ^{36, 40}	Adaptec AHA-2944UW ^{19, 20, 21, 22, 35}	UWD	N	See ¹⁵
118	PowerEdge: 2600, 6600, 6650	PCI-X	Novell Netware 6.5 ^{36, 40}	Adaptec AHA-2944UW ^{19, 20, 21, 22, 35}	UWD	N	
119	PowerEdge 2650	PCI-X	Novell Netware: 5.00 SP6A ^{4, 11, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 36, 38} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	Adaptec AHA-2944UW ^{20, 21} ; QLogic QLA1041D	UWD	N	
120	PowerEdge: 1750, 4600	PCI-X	Novell Netware: 5.00 SP6A ^{4, 11, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 36, 38} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	QLogic QLA1041D	UWD	N	See ¹⁵
121	PowerEdge: 2600, 6600, 6650	PCI-X	Novell Netware: 5.00 SP6A ^{4, 11, 36, 37} , 5.10 SP2A ^{4, 11} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 36, 38} , 6.0 SP2 ^{4, 36} , 6.0 SP3 ³⁶ , 6.5 ^{36, 40}	QLogic QLA1041D	UWD	N	

- Supports FC-AL point-to-point only.
- When installing NetWare for fabric boot (when operating system is not installed in the local host) on the Symmetrix, create only one LUN and then perform the install. To install a second server that will be fabric boot, repeat the process by creating one additional LUN and then loading the operating system to it. Continue this process until the desired number of fabric boot servers have been reached. Conditions exist where several LUNs are initially created and you perform your first install, NetWare will sometimes acquire and stripe the operating system across several of the newly created LUNs.
- NetWare boot support is contingent on migration of the DOS boot partition to an NSS partition. NetWare will warn you of the possibility of data corruption if you convert the DOS boot partition to an NSS partition. The risk of data corruption is during I/O to the C: drive while in the NetWare debugger, or while writing reboot log files during an "Auto Restart After Abend". When you load DOSFAT, please set "Auto Restart After Abend" to 0 to avoid the possibility of data corruption.
- Maximum number of NWFS volumes that can be mounted is 64.
- Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.**
- Edit config.sys with the following: Files=100 Buffers=99
- To enable failover with fabric boot DOSFAT.NSS must be loaded from the autoexec.ncf. In a failed condition the c:\ partition will not failover correctly but the DOSFAT_C: partition will.
- Driver installation with NetWare 5.0 SP6A: Do not load cpmpmk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.
- Driver Version 6.51a.
- Symmetrix 8000 Series: 66/67 support at NetWare 4.11, 5.x, 5568 support at Netware 5.1.
- Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Driver Version v6.51a.
- Symmetrix 8000 Series: 66/67 support at NetWare 5.x, 5568 support at Netware 5.1.
- Novell 5.00 OS only supports the Host Adapter Module (HAM) driver.
- Requires BIOS rev 6.26, available at <http://www.qlogic.com>
- Driver Version 1.27.
- Requires BIOS v2.20.
- Driver for Adaptec available at: <http://www.adaptec.com/worldwide/support/suppyproduct.html?cat=/Technology/SCSI+Host+Adapters&fromPage=driverindex>
- Requires Legacy PCI slot (not available on most new servers.)**
- Driver Version v8.1 or higher.
- AHA-2944W is no longer available in distribution channels.**
- PowerPath not currently supported.
- Requires BIOS version 2.02e.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- Driver Version 3.90a7.
- DOS boot device maximum accessible capacity is 2GB. Network SYS volume must be in LUN 0.
- Supports FC-AL point-to-point and Fabric switch configurations.
- Requires HAM driver and BIOS 2.20. The driver is available on the EMC intranet (<http://iqweb.lss.emc.com>).
- EMC engineering recommends that customers do not combine or share a Network SYS volume and data volumes on the same Symmetrix logical device.
- Consult the EMC customer support center for a detailed Netware Symmetrix boot installation procedure.
- Requires SP4 on Netware 5.1.
- Requires "SCAN ALL LUNS" in AUTOEXEC.NCF just before the "Mount All" statement.
- Netware 5.1 SP4 and 6.0 SP1 require BIOS 2.20. Requires "SCAN ALL LUNS" in AUTOEXEC.NCF just before the Mount All statement.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- Requires NWPA.NLM V.3.07A update from Novell website.
- PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
- Firmware Version 1.34.

Fujitsu Siemens

Fujitsu Siemens – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Primergy: B210, C200, E200, F200, L200, N200, P200, R450	PCI	Novell Netware 5.00 SP6A ^{3, 4, 34, 36}	QLogic QLA2100F-EMC ²⁸	FC-AL	N	
2	Primergy: H400, K400, N400, P250	PCI	Novell Netware 5.00 SP6A ^{3, 4, 34, 36}	QLogic QLA2100F-EMC ²⁸	FC-AL	Y ^{16, 37}	
3	Primergy 700	PCI	Novell Netware 5.00 SP6A ^{4, 36}	QLogic QLA2100F-EMC ²⁸	FC-AL	N	See ¹
4	Primergy: H400, K400, N400, P250	PCI	Novell Netware 5.10: SP2A ^{3, 4, 34, 36} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 34, 35} , SP2 ^{4, 34} , SP3 ³⁴	QLogic QLA2100F-EMC ²⁸	FC-AL	Y ^{16, 18, 37}	
5	Primergy: H400, K400, N400, P250	PCI	Novell Netware 6.5 ^{34, 39}	QLogic QLA2100F-EMC ²⁸	FC-AL	N	
6	Primergy R450	PCI-X	Novell Netware 5.00 SP6A ^{3, 4, 34, 36}	QLogic QLA2100F-EMC ²⁸	FC-AL	N	
7	Primergy: H250 ¹⁹ , N800	PCI-X	Novell Netware 5.00 SP6A ^{3, 4, 34, 36}	QLogic QLA2100F-EMC ²⁸	FC-AL	Y ^{16, 37}	
8	Primergy H450	PCI-X	Novell Netware 5.00 SP6A ^{4, 36}	QLogic QLA2100F-EMC ²⁸	FC-AL	N	See ¹
9	Primergy H250 ¹⁹	PCI-X	Novell Netware 5.10 SP2A ^{3, 4, 34, 36}	QLogic QLA2100F-EMC ^{28, 38}	FC-AL	Y ^{16, 18, 37}	See ¹
10	Primergy N800	PCI-X	Novell Netware 5.10: SP2A ^{3, 4, 34, 36} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 34, 35} , SP2 ^{4, 34} , SP3 ³⁴	QLogic QLA2100F-EMC ²⁸	FC-AL	Y ^{16, 18, 37}	

Fujitsu Siemens – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
11	Primergy H250 ¹⁹	PCI-X	Novell Netware 5.10: SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ⁴ , 34, 35, SP2 ⁴ , 34, SP3 ³⁴	QLogic QLA2100F-EMC ²⁸	FC-AL	Y ¹⁶ , 18, 37	
12	Primergy: H250 ¹⁹ , N800	PCI-X	Novell Netware 6.5 ³⁴ , 39	QLogic QLA2100F-EMC ²⁸	FC-AL	N	
13	Primergy F250 ¹⁹	PCI-X	Novell Netware: 5.00 SP6A ³ , 4, 34, 36, 5.10 SP2A ³ , 4, 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ⁴ , 34, 35, 6.0 SP2 ⁴ , 34, 6.0 SP3 ³⁴ , 6.5 ³⁴ , 39	QLogic QLA2100F-EMC ²⁸	FC-AL	N	
14	Primergy H400	PCI	Novell Netware 5.00 SP6A ² , 3, 4, 34, 36	QLogic QLA2202F-EMC ¹² , 13, 28	FC-AL, FC-SW	Y ¹⁵ , 16, 17	See ¹
15	Primergy: K400, N400	PCI	Novell Netware 5.00 SP6A ² , 3, 4, 34, 36	QLogic QLA2202F-EMC ¹² , 13, 28	FC-AL, FC-SW	Y ¹⁵ , 16, 17	
16	Primergy: 700, E200, F200, L200, N200, P200	PCI	Novell Netware 5.00 SP6A ³ , 4, 34, 36	QLogic QLA2200F-EMC ¹² , 13	FC-AL, FC-SW	N	See ¹
17	Primergy: B210, C200, R450	PCI	Novell Netware 5.00 SP6A ³ , 4, 34, 36	QLogic QLA2200F-EMC ¹² , 13	FC-AL, FC-SW	N	
18	Primergy P250	PCI	Novell Netware 5.00 SP6A ³ , 4, 34, 36	QLogic: QLA2200F-EMC ¹² , 13, QLA2202F-EMC ¹² , 13, 28, QLA2310F-E-SP ¹² , 29, 30, QLA2340-E-SP ¹² , 29, 30, QLA2342-E-SP ¹² , 29, 30	FC-AL, FC-SW	Y ¹⁵ , 16, 17	
19	Primergy: H400, K400, N400	PCI	Novell Netware 5.00 SP6A ³ , 4, 34, 36	QLogic: QLA2200F-EMC ¹² , 13, QLA2310F-E-SP ¹² , 29, 30	FC-AL, FC-SW	Y ¹⁵ , 16, 17	See ¹
20	Primergy: H400, K400, N400	PCI	Novell Netware 5.00 SP6A ³ , 4, 34, 36	QLogic: QLA2340-E-SP ²⁹ , 30, QLA2342-E-SP ¹² , 29, 30	FC-AL, FC-SW	Y ¹⁵ , 16, 17	
21	Primergy P250	PCI	Novell Netware 5.10 SP2A ³ , 4, 34, 36	QLogic QLA2340-E-SP ¹² , 14, 29, 30	FC-AL, FC-SW	Y ¹⁵ , 16, 17, 18	
22	Primergy: H400, K400, N400, P250	PCI	Novell Netware 5.10: SP2A ³ , 4, 34, 36, SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ⁴ , 34, 35, SP2 ⁴ , 34, SP3 ³⁴	QLogic QLA2342-E-SP ¹² , 14, 29, 30	FC-AL, FC-SW	Y ¹⁵ , 16, 17, 18	
23	Primergy: H400, K400, N400	PCI	Novell Netware 5.10: SP2A ³ , 4, SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ⁴ , 34, 35, SP2 ⁴ , 34, SP3 ³⁴	QLogic QLA2200F-EMC ¹² , 13, 14	FC-AL, FC-SW	Y ¹⁵ , 16, 17, 18	See ¹
24	Primergy P250	PCI	Novell Netware 5.10: SP2A ³ , 4, SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ⁴ , 34, 35, SP2 ⁴ , 34, SP3 ³⁴	QLogic: QLA2200F-EMC ¹² , 13, 14, QLA2202F-EMC ¹² , 13, 28	FC-AL, FC-SW	Y ¹⁵ , 16, 17, 18	
25	Primergy R450	PCI	Novell Netware 5.10: SP2A ³ , 4, SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ⁴ , 34, 35, SP2 ⁴ , 34, SP3 ³⁴ ; Novell Netware 6.5 ³⁴ , 39	QLogic QLA2200F-EMC ¹² , 13, 14	FC-AL, FC-SW	N	
26	Primergy: 700, E200, F200, L200, N200, P200	PCI	Novell Netware 5.10: SP2A ³ , 4, SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ⁴ , 34, 35, SP2 ⁴ , 34, SP3 ³⁴ ; Novell Netware 6.5 ³⁴ , 39	QLogic QLA2200F-EMC ¹² , 13, 14	FC-AL, FC-SW	N	See ¹
27	Primergy 700	PCI	Novell Netware 5.10: SP5 ² , 3, 4, SP6; Novell Netware 6.0 SP1 ⁴ , 34, 35	QLogic QLA2202F-EMC ¹² , 13, 28	FC-AL, FC-SW	N	See ¹
28	Primergy H400	PCI	Novell Netware 5.10: SP5 ³ , 4, SP6	QLogic QLA2202F-EMC ¹² , 13, 28	FC-AL, FC-SW	Y ¹⁵ , 16, 17, 18	
29	Primergy: K400, N400	PCI	Novell Netware 5.10: SP5 ³ , 4, SP6; Novell Netware 6.0: SP2 ⁴ , 34, SP3 ³⁴	QLogic QLA2202F-EMC ¹² , 13, 28	FC-AL, FC-SW	Y ¹⁵ , 16, 17, 18	
30	Primergy P250	PCI	Novell Netware 5.10: SP5 ⁴ , SP6	QLogic QLA2310F-E-SP ¹⁴ , 29, 30	FC-AL, FC-SW	Y ¹⁵ , 16, 17, 18	
31	Primergy: H400, K400, N400	PCI	Novell Netware 5.10: SP5 ⁴ , SP6	QLogic: QLA2310F-E-SP ¹⁴ , 29, 30, QLA2340-E-SP ¹⁴ , 29, 30	FC-AL, FC-SW	Y ¹⁵ , 16, 17, 18	
32	Primergy P250	PCI	Novell Netware 5.10: SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ⁴ , 34, 35, SP2 ⁴ , 34, SP3 ³⁴	QLogic QLA2340-E-SP ¹⁴ , 29, 30	FC-AL, FC-SW	Y ¹⁵ , 16, 17, 18	
33	Primergy: B210, C200, E200, F200, L200, N200, P200, R450	PCI	Novell Netware 6.0 SP1 ⁴ , 34, 35	QLogic QLA2310F-E-SP ¹² , 14, 29, 30	FC-AL, FC-SW	N	
34	Primergy 700	PCI	Novell Netware 6.0: SP1 ⁴ , 34, 35, SP2 ⁴ , 34, SP3 ³⁴	QLogic: QLA2310F-E-SP ¹² , 14, 29, 30, QLA2340-E-SP ¹² , 14, 29, 30, QLA2342-E-SP ¹² , 14, 29, 30	FC-AL, FC-SW	N	
35	Primergy: K400, N400	PCI	Novell Netware 6.5 ³⁴ , 39	QLogic QLA2200F-EMC ¹² , 13, 14	FC-AL, FC-SW	N	See ¹
36	Primergy H400	PCI	Novell Netware 6.5 ³⁴ , 39	QLogic: QLA2200F-EMC ¹² , 13, 14, QLA2202F-EMC ¹² , 13, 28	FC-AL, FC-SW	N	See ¹
37	Primergy P250	PCI	Novell Netware 6.5 ³⁴ , 39	QLogic: QLA2200F-EMC ¹² , 13, 14, QLA2202F-EMC ¹² , 13, 28, QLA2310F-E-SP ¹² , 14, 29, 30, 40, QLA2340-E-SP ¹⁴ , 30, 40, QLA2342-E-SP ¹⁴ , 30, 40	FC-AL, FC-SW	N	
38	Primergy: K400, N400	PCI	Novell Netware 6.5 ³⁴ , 39	QLogic: QLA2202F-EMC ¹² , 13, 28, QLA2310F-E-SP ¹² , 14, 29, 30, 40, QLA2340-E-SP ¹⁴ , 30, 40, QLA2342-E-SP ¹⁴ , 30, 40	FC-AL, FC-SW	N	
39	Primergy: 700, H400	PCI	Novell Netware 6.5 ³⁴ , 39	QLogic: QLA2310F-E-SP ¹² , 14, 29, 30, 40, QLA2340-E-SP ¹⁴ , 30, 40, QLA2342-E-SP ¹⁴ , 30, 40	FC-AL, FC-SW	N	
40	Primergy R450	PCI	Novell Netware: 5.00 SP6A ³ , 4, 34, 36, 5.10 SP2A ³ , 4, 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ⁴ , 34, 35, 6.0 SP2 ⁴ , 34, 6.0 SP3 ³⁴ , 6.5 ³⁴ , 39	QLogic QLA2202F-EMC ¹² , 13, 28	FC-AL, FC-SW	N	
41	Primergy: E200, F200, L200, N200, P200	PCI	Novell Netware: 5.00 SP6A ³ , 4, 34, 36, 5.10 SP2A ³ , 4, 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ⁴ , 34, 35, 6.0 SP2 ⁴ , 34, 6.0 SP3 ³⁴ , 6.5 ³⁴ , 39	QLogic QLA2202F-EMC ¹² , 13, 28	FC-AL, FC-SW	N	See ¹

Fujitsu Siemens – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
42	Primergy: B210, C200	PCI	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 6.0 SP1 ^{4, 34} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	QLogic QLA2202F-EMC ^{12, 13, 28}	FC-AL, FC-SW	N	
43	Primergy 700	PCI	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	QLogic QLA2202F-EMC ^{12, 13, 28}	FC-AL, FC-SW	N	
44	Primergy P250	PCI	Novell Netware: 5.10 SP2A ^{3, 4, 34, 36} , 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴	QLogic QLA2310F-E-SP ^{12, 14, 29, 30}	FC-AL, FC-SW	Y ^{15, 16, 17, 18}	
45	Primergy: H400, K400, N400	PCI	Novell Netware: 5.10 SP2A ^{3, 4, 34, 36} , 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴	QLogic: QLA2310F-E-SP ^{12, 14, 29, 30} , QLA2340-E-SP ^{12, 14, 29, 30}	FC-AL, FC-SW	Y ^{15, 16, 17, 18}	
46	Primergy: K400, N400	PCI	Novell Netware: 5.10 SP2A ^{3, 4} , 6.0 SP1 ^{4, 34, 35}	QLogic QLA2202F-EMC ^{12, 13, 28}	FC-AL, FC-SW	Y ^{15, 16, 17, 18}	See ¹
47	Primergy H400	PCI	Novell Netware: 5.10 SP2A ^{3, 4} , 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴	QLogic QLA2202F-EMC ^{12, 13, 28}	FC-AL, FC-SW	Y ^{15, 16, 17, 18}	See ¹
48	Primergy: B210, C200	PCI	Novell Netware: 5.10 SP2A ^{3, 4} , 6.0 SP1 ^{4, 34} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	QLogic QLA2200F-EMC ^{12, 13, 14}	FC-AL, FC-SW	N	
49	Primergy N800	PCI-X	Novell Netware 5.00 SP6A ^{2, 3, 4, 34, 36}	QLogic QLA2202F-EMC ^{12, 13, 28}	FC-AL, FC-SW	Y ^{15, 16, 17}	See ¹
50	Primergy R450	PCI-X	Novell Netware 5.00 SP6A ^{3, 4, 34, 36}	QLogic QLA2200F-EMC ^{12, 13}	FC-AL, FC-SW	N	
51	Primergy: H450, RX200, RX300, TX200, TX300	PCI-X	Novell Netware 5.00 SP6A ^{3, 4, 34, 36}	QLogic QLA2200F-EMC ^{12, 13}	FC-AL, FC-SW	N	See ¹
52	Primergy H250 ¹⁹	PCI-X	Novell Netware 5.00 SP6A ^{3, 4, 34, 36}	QLogic: QLA2200F-EMC ^{12, 13} , QLA2202F-EMC ^{12, 13, 28}	FC-AL, FC-SW	Y ^{15, 16, 17}	See ¹
53	Primergy F250 ¹⁹	PCI-X	Novell Netware 5.00 SP6A ^{3, 4, 34, 36}	QLogic: QLA2200F-EMC ^{12, 13} , QLA2300F-E-SP ^{12, 29} , QLA2310F-E-SP ^{12, 29, 30} , QLA2340-E-SP ^{12, 29, 30} , QLA2342-E-SP ^{12, 29, 30}	FC-AL, FC-SW	N	
54	Primergy N800	PCI-X	Novell Netware 5.00 SP6A ^{3, 4, 34, 36}	QLogic: QLA2200F-EMC ^{12, 13} , QLA2310F-E-SP ^{12, 29, 30}	FC-AL, FC-SW	Y ^{15, 16, 17}	See ¹
55	Primergy H250 ¹⁹	PCI-X	Novell Netware 5.00 SP6A ^{3, 4, 34, 36}	QLogic: QLA2310F-E-SP ^{12, 29, 30} , QLA2340-E-SP ^{12, 29, 30} , QLA2342-E-SP ^{12, 29, 30}	FC-AL, FC-SW	Y ^{15, 16, 17}	
56	Primergy N800	PCI-X	Novell Netware 5.00 SP6A ^{3, 4, 34, 36}	QLogic: QLA2340-E-SP ^{29, 30} , QLA2342-E-SP ^{12, 29, 30}	FC-AL, FC-SW	Y ^{15, 16, 17}	
57	Primergy: RX200, RX300, TX200, TX300	PCI-X	Novell Netware 5.00 SP6A ^{3, 4, 34, 36}	QLogic: QLA2340-E-SP ^{29, 30} , QLA2342-E-SP ^{12, 29, 30}	FC-AL, FC-SW	N	
58	Primergy: H250 ¹⁹ , N800	PCI-X	Novell Netware 5.10: SP2A ^{3, 4, 34, 36} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 34, 35} , SP2 ^{4, 34} , SP3 ³⁴	QLogic QLA2342-E-SP ^{12, 14, 29, 30}	FC-AL, FC-SW	Y ^{15, 16, 17, 18}	
59	Primergy: RX200, RX300, TX200, TX300	PCI-X	Novell Netware 5.10: SP2A ^{3, 4, 34, 36} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 34, 35} , SP2 ^{4, 34} , SP3 ³⁴	QLogic QLA2342-E-SP ^{12, 14, 29, 30}	FC-AL, FC-SW	N	
60	Primergy N800	PCI-X	Novell Netware 5.10: SP2A ^{3, 4} , SP5 ^{3, 4} , SP6; Novell Netware 6.0: SP1 ^{4, 34, 35} , SP2 ^{4, 34} , SP3 ³⁴	QLogic QLA2202F-EMC ^{12, 13, 28}	FC-AL, FC-SW	Y ^{15, 16, 17, 18}	See ¹
61	Primergy N800	PCI-X	Novell Netware 5.10: SP2A ^{3, 4} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 34, 35} , SP2 ^{4, 34} , SP3 ³⁴	QLogic QLA2200F-EMC ^{12, 13, 14}	FC-AL, FC-SW	Y ^{15, 16, 17, 18}	See ¹
62	Primergy H250 ¹⁹	PCI-X	Novell Netware 5.10: SP2A ^{3, 4} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 34, 35} , SP2 ^{4, 34} , SP3 ³⁴	QLogic: QLA2200F-EMC ^{12, 13, 14} , QLA2202F-EMC ^{12, 13, 28}	FC-AL, FC-SW	Y ^{15, 16, 17, 18}	See ¹
63	Primergy F250 ¹⁹	PCI-X	Novell Netware 5.10: SP2A ^{3, 4} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 34, 35} , SP2 ^{4, 34} , SP3 ³⁴	QLogic: QLA2310F-E-SP ^{12, 14, 29, 30} , QLA2340-E-SP ^{12, 14, 29, 30} , QLA2342-E-SP ^{12, 14, 29, 30}	FC-AL, FC-SW	N	
64	Primergy: H450, RX200, RX300, TX200, TX300	PCI-X	Novell Netware 5.10: SP2A ^{3, 4} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 34, 35} , SP2 ^{4, 34} , SP3 ³⁴ , Novell Netware 6.5 ^{34, 39}	QLogic QLA2200F-EMC ^{12, 13, 14}	FC-AL, FC-SW	N	See ¹
65	Primergy F250 ¹⁹	PCI-X	Novell Netware 5.10: SP2A ^{3, 4} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 34, 35} , SP2 ^{4, 34} , SP3 ³⁴ , Novell Netware 6.5 ^{34, 39}	QLogic: QLA2200F-EMC ^{12, 13, 14} , QLA2300F-E-SP ^{12, 14, 29}	FC-AL, FC-SW	N	
66	Primergy: H250 ¹⁹ , N800	PCI-X	Novell Netware 5.10: SP5 ⁴ , SP6	QLogic: QLA2310F-E-SP ^{14, 29, 30} , QLA2340-E-SP ^{14, 29, 30}	FC-AL, FC-SW	Y ^{15, 16, 17, 18}	
67	Primergy: RX200, RX300, TX200, TX300	PCI-X	Novell Netware 5.10: SP5 ⁴ , SP6	QLogic: QLA2310F-E-SP ^{14, 29, 30} , QLA2340-E-SP ^{14, 29, 30}	FC-AL, FC-SW	N	
68	Primergy: H250 ¹⁹ , N800	PCI-X	Novell Netware 6.5 ^{34, 39}	QLogic: QLA2200F-EMC ^{12, 13, 14} , QLA2202F-EMC ^{12, 13, 28}	FC-AL, FC-SW	N	See ¹
69	Primergy: F250 ¹⁹ , H250 ¹⁹ , N800, RX200, RX300, TX200, TX300	PCI-X	Novell Netware 6.5 ^{34, 39}	QLogic: QLA2310F-E-SP ^{12, 14, 29, 30, 40} , QLA2340-E-SP ^{14, 30, 40} , QLA2342-E-SP ^{14, 30, 40}	FC-AL, FC-SW	N	
70	Primergy: RX200, RX300, TX200, TX300	PCI-X	Novell Netware: 5.00 SP6A ^{2, 3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 5.10 SP5 ^{3, 4} , 5.10 SP6, 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	QLogic QLA2202F-EMC ^{12, 13, 28}	FC-AL, FC-SW	N	See ¹
71	Primergy F250 ¹⁹	PCI-X	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	QLogic QLA2202F-EMC ^{12, 13, 28}	FC-AL, FC-SW	N	
72	Primergy H450	PCI-X	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	QLogic QLA2202F-EMC ^{12, 13, 28}	FC-AL, FC-SW	N	See ¹
73	Primergy R450	PCI-X	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 6.0 SP1 ^{4, 34} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	QLogic QLA2202F-EMC ^{12, 13, 28}	FC-AL, FC-SW	N	

Fujitsu Siemens – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
74	Primergy: H250 ¹⁹ , N800	PCI-X	Novell Netware: 5.10 SP2A ^{3, 4, 34, 36} , 6.0 SP1 ⁴ , 34, 35, 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴	QLLogic: QLA2310F-E-SP ^{12, 14, 29, 30} , QLA2340-E-SP ^{12, 14, 29, 30}	FC-AL, FC-SW	Y ^{15, 16, 17, 18}	
75	Primergy: RX200, RX300, TX200, TX300	PCI-X	Novell Netware: 5.10 SP2A ^{3, 4, 34, 36} , 6.0 SP1 ⁴ , 34, 35, 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴	QLLogic: QLA2310F-E-SP ^{12, 14, 29, 30} , QLA2340-E-SP ^{12, 14, 29, 30}	FC-AL, FC-SW	N	
76	Primergy R450	PCI-X	Novell Netware: 5.10 SP2A ^{3, 4} , 6.0 SP1 ^{4, 34} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	QLLogic QLA2200F-EMC ^{12, 13, 14}	FC-AL, FC-SW	N	
77	Primergy F250 ¹⁹	PCI-X	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	Emulex LP9002-E (LP9002L-E) ^{31, 32, 33}	FC-SW	N	
78	Primergy: H400, K400, N400	PCI	Novell Netware: 5.00 SP6A ^{2, 3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 5.10 SP5 ^{3, 4} , 5.10 SP6, 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	Adaptec AHA-2944W ^{8, 11}	FWD	N	
79	Primergy 700	PCI	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 5.10 SP5 ^{2, 3, 4} , 5.10 SP6, 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	Adaptec AHA-2944W ¹	FWD	N	
80	Primergy: H250 ¹⁹ , H450	PCI-X	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	Adaptec AHA-2944W; HPQ A5252A ^{7, 8, 9, 10, 20, 27}	FWD	N	
81	Primergy: H400, K400, N400	PCI	Novell Netware 5.00 SP6A ^{2, 3, 4, 34, 36}	Adaptec AHA-2944UW ^{7, 8, 9, 10, 20}	UWD	Y ^{16, 21, 22, 23, 24, 25, 26}	See ¹
82	Primergy P250	PCI	Novell Netware 5.00 SP6A ^{3, 4, 34, 36}	Adaptec AHA-2944UW ^{8, 9, 10}	UWD	Y ^{2, 16, 21, 22, 23, 24, 25, 26}	
83	Primergy P250	PCI	Novell Netware 5.10: SP2A ^{3, 4} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 34, 35} , SP2 ^{4, 34} , SP3 ³⁴	Adaptec AHA-2944UW ^{8, 9, 10}	UWD	Y ^{2, 16, 18, 21, 22, 23, 24, 25, 26}	
84	Primergy 700	PCI	Novell Netware 5.10: SP5 ^{2, 3, 4} , SP6	Adaptec AHA-2944UW ^{7, 8, 9, 10}	UWD	N	See ¹
85	Primergy: H400, K400, N400	PCI	Novell Netware 5.10: SP5 ^{3, 4} , SP6	Adaptec AHA-2944UW ^{7, 8, 9, 10, 20}	UWD	Y ^{2, 16, 18, 21, 22, 23, 24, 25, 26}	
86	Primergy: K400, N400	PCI	Novell Netware 5.10: SP5 ^{3, 4} , SP6	QLLogic QLA1041D ^{5, 6}	UWD	N	
87	Primergy: H400, K400, N400	PCI	Novell Netware 6.5 ^{34, 39}	Adaptec AHA-2944UW ^{7, 8, 9, 10, 20}	UWD	N	See ¹
88	Primergy P250	PCI	Novell Netware 6.5 ^{34, 39}	Adaptec AHA-2944UW ^{8, 9, 10}	UWD	N	
89	Primergy H400	PCI	Novell Netware: 5.00 SP6A ^{2, 3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 5.10 SP5 ^{3, 4} , 5.10 SP6, 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	QLLogic QLA1041D ^{5, 6}	UWD	N	
90	Primergy: K400, N400	PCI	Novell Netware: 5.00 SP6A ^{2, 3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	QLLogic QLA1041D ^{5, 6}	UWD	N	See ¹
91	Primergy 700	PCI	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 5.10 SP5 ^{2, 3, 4} , 5.10 SP6, 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	QLLogic QLA1041D ^{5, 6}	UWD	N	See ¹
92	Primergy R450	PCI	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	Adaptec AHA-2944UW ^{8, 9} ; QLLogic QLA1041D	UWD	N	
93	Primergy: E200, F200, L200, N200, P200	PCI	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	Adaptec AHA-2944UW ^{8, 9} ; QLLogic QLA1041D	UWD	N	See ¹
94	Primergy P250	PCI	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	QLLogic QLA1041D	UWD	N	
95	Primergy 700	PCI	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	Adaptec AHA-2944UW ^{7, 8, 9, 10}	UWD	N	
96	Primergy: B210, C200	PCI	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 6.0 SP1 ^{4, 34} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	Adaptec AHA-2944UW ^{8, 9} ; QLLogic QLA1041D	UWD	N	
97	Primergy: H400, K400, N400	PCI	Novell Netware: 5.10 SP2A ^{3, 4} , 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴	Adaptec AHA-2944UW ^{7, 8, 9, 10, 20}	UWD	Y ^{2, 16, 18, 21, 22, 23, 24, 25, 26}	See ¹
98	Primergy N800	PCI-X	Novell Netware 5.00 SP6A ^{2, 3, 4, 34, 36}	Adaptec AHA-2944UW ^{8, 9, 10}	UWD	Y ^{16, 21, 22, 23, 24, 25, 26}	See ¹
99	Primergy H250 ¹⁹	PCI-X	Novell Netware 5.00 SP6A ^{3, 4, 34, 36}	Adaptec AHA-2944UW ^{7, 8, 9, 10, 20}	UWD	Y ^{2, 16, 21, 22, 23, 24, 25, 26}	See ¹
100	Primergy N800	PCI-X	Novell Netware 5.10: SP2A ^{3, 4} , SP5 ^{3, 4} , SP6; Novell Netware 6.0: SP1 ^{4, 34, 35} , SP2 ^{4, 34} , SP3 ³⁴	Adaptec AHA-2944UW ^{8, 9, 10}	UWD	Y ^{2, 16, 18, 21, 22, 23, 24, 25, 26}	See ¹
101	Primergy H250 ¹⁹	PCI-X	Novell Netware 5.10: SP2A ^{3, 4} , SP5 ⁴ , SP6; Novell Netware 6.0: SP1 ^{4, 34, 35} , SP2 ^{4, 34} , SP3 ³⁴	Adaptec AHA-2944UW ^{7, 8, 9, 10, 20}	UWD	Y ^{2, 16, 18, 21, 22, 23, 24, 25, 26}	See ¹
102	Primergy H250 ¹⁹	PCI-X	Novell Netware 6.5 ^{34, 39}	Adaptec AHA-2944UW ^{7, 8, 9, 10, 20}	UWD	N	See ¹
103	Primergy N800	PCI-X	Novell Netware 6.5 ^{34, 39}	Adaptec AHA-2944UW ^{8, 9, 10}	UWD	N	See ¹
104	Primergy N800	PCI-X	Novell Netware: 5.00 SP6A ^{2, 3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 5.10 SP5 ^{3, 4} , 5.10 SP6, 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	QLLogic QLA1041D ^{5, 6}	UWD	N	See ¹
105	Primergy H450	PCI-X	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	Adaptec AHA-2944UW ^{7, 8, 9, 10, 20} ; QLLogic QLA1041D	UWD	N	See ¹
106	Primergy F250 ¹⁹	PCI-X	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	Adaptec AHA-2944UW ^{8, 9} ; QLLogic QLA1041D	UWD	N	
107	Primergy H250 ¹⁹	PCI-X	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 5.10 SP5 ⁴ , 5.10 SP6, 6.0 SP1 ^{4, 34, 35} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ³⁴ , 6.5 ^{34, 39}	QLLogic QLA1041D	UWD	N	See ¹

Fujitsu Siemens – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
108	Primergy R450	PCI-X	Novell Netware: 5.00 SP6A ^{3, 4, 34, 36} , 5.10 SP2A ^{3, 4} , 6.0 SP1 ^{4, 34} , 6.0 SP2 ^{4, 34} , 6.0 SP3 ^{34, 6, 534, 39}	Adaptec AHA-2944UW ^{8, 9} ; QLogic QLA1041D	UWD	N	

- Symmetrix 8000 Series: 66/67 support at NetWare 5.x, 5568 support at Netware 5.1.
- Novell 5.00 OS only supports the Host Adapter Module (HAM) driver.
- Symmetrix 8000 Series: 66/67 support at NetWare 4.11, 5.x, 5568 support at Netware 5.1.
- Maximum number of NWFS volumes that can be mounted is 64.
- Requires BIOS rev 6.26, available at <http://www.qlogic.com>
- Driver Version 1.27.
- Requires BIOS v2.20.
- Driver for Adaptec available at: <http://www.adaptec.com/worldwide/support/suppyproduct.html?cat=/Technology/SCSI+Host+Adapters&fromPage=driverindex>
- Requires Legacy PCI slot (not available on most new servers.)**
- Driver Version v8.1 or higher.
- AHA-2944W is no longer available in distribution channels.**
- Driver installation with NetWare 5.0 SP6A: Do not load cpmpmk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.
- Driver Version 6.51a.
- Edit config.sys with the following: Files=100 Buffers=99
- When installing NetWare for fabric boot (when operating system is not installed in the local host) on the Symmetrix, create only one LUN and then perform the install. To install a second server that will be fabric boot, repeat the process by creating one additional LUN and then loading the operating system to it. Continue this process until the desired number of fabric boot servers have been reached. Conditions exist where several LUNs are initially created and you perform your first install, NetWare will sometimes acquire and stripe the operating system across several of the newly created LUNs.
- To enable failover with fabric boot DOSFAT.NSS must be loaded from the autoexec.ncf. In a failed condition the c:\ partition will not failover correctly but the DOSFAT_C: partition will.
- NetWare boot support is contingent on migration of the DOS boot partition to an NSS partition. NetWare will warn you of the possibility of data corruption if you convert the DOS boot partition to an NSS partition. The risk of data corruption is during I/O to the C: drive while in the NetWare debugger, or while writing reboot log files during an "Auto Restart After Abend". When you load DOSFAT, please set "Auto Restart After Abend" to 0 to avoid the possibility of data corruption.
- Must use standard PCI 32bit/33MHz slot for SCSI
- Netware 5.1 SP4 and 6.0 SP1 require BIOS 2.20. Requires "SCAN ALL LUNS" in AUTOEXEC.NCF just before the Mount All statement.
- DOS boot device maximum accessible capacity is 2GB. Netware SYS volume must be in LUN 0.
- Requires HAM driver and BIOS 2.20. The driver is available on the EMC intranet (<http://iqweb.lss.emc.com>).
- EMC engineering recommends that customers do not combine or share a Netware SYS volume and data volumes on the same Symmetrix logical device.
- Consult the EMC customer support center for a detailed Netware Symmetrix boot installation procedure.
- Requires SP4 on Netware 5.1.
- Requires "SCAN ALL LUNS" in AUTOEXEC.NCF just before the "Mount All" statement.
- (Adaptec AHA-2944UW)
- Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.**
- Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
- Driver Version v6.51a.
- PowerPath not currently supported.
- Requires BIOS version 2.02e.
- Driver Version 3.90a7.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.
- Requires NWPA.NLM V.3.07A update from Novell website.
- Supports FC-AL point-to-point only.
- Requires HBA firmware revision 1.83, available at <http://www.qlogic.com>**
- Requires SP4 or higher for NetWare 5.00.**
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
- Firmware Version 1.34.

HPQ

HPQ – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Proliant DL320 ¹⁷	PCI	Novell Netware 5.00 SP6A ^{1, 2, 3, 42, 43}	QLogic QLA2100F-EMC ¹⁶	FC-AL	Y ^{13, 14}	See ²⁵
2	Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ^{17, 19} , 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 7000 ^{17, 19} , 850 ¹⁷ , DL360 ¹⁷ , DL380(G2) ¹⁷ , DL380 ¹⁷ , DL580(G2) ¹⁷ , DL580 ¹⁷ , ML350 ¹⁷ , ML370 ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware 5.00 SP6A ^{1, 2, 3, 42, 43}	QLogic QLA2100F-EMC ¹⁶	FC-AL	Y ^{13, 14}	
3	Netserver LH: (LH Pro), 4, II, III; Netserver: LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: DL360(G2) ¹⁷ , ML350(G2) ¹⁷ , ML350(G3), ML530(G2) ¹⁷	PCI	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic QLA2100F-EMC ¹⁶	FC-AL	Y ^{13, 14}	
4	Proliant ML370(G3)	PCI	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic QLA2100F-EMC ¹⁶	FC-AL	N	
5	Proliant: ML370(G2), ML370(G3), ML750 ³²	PCI	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic QLA2100F-EMC ¹⁶	FC-AL	Y ^{13, 14}	See ²⁵
6	Netserver LC: 2000 U3, 2000R; Netserver LH: 3, 3000, 6000, PRO; Proliant 8000 ^{17, 19}	PCI	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic QLA2200F-EMC ^{22, 23}	FC-AL	N	
7	Netserver LH: 4, II; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ^{17, 19} , 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 850 ¹⁷ , DL360(G2) ¹⁷ , DL360 ¹⁷ , DL380(G2) ¹⁷ , DL380(G3), DL380 ¹⁷ , DL580(G2) ¹⁷ , DL580 ¹⁷ , ML350 ¹⁷ , ML370 ¹⁷ , ML530(G2) ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic QLA2200F-EMC ^{22, 23}	FC-AL	Y ^{14, 20, 21}	
8	Proliant DL380(G3)	PCI	Novell Netware 5.00: SP6A ^{1, 2, 3, 42, 43} , SP6A ^{2, 3, 42, 43}	QLogic QLA2100F-EMC ¹⁶	FC-AL	Y ^{13, 14}	
9	Netserver LH: 4, II, III; Netserver: LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ^{17, 19} , 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 850 ¹⁷ , DL360(G2) ¹⁷ , DL360 ¹⁷ , DL380(G2) ¹⁷ , DL380(G3), DL380 ¹⁷ , DL580(G2) ¹⁷ , DL580 ¹⁷ , ML350(G2) ¹⁷ , ML350(G3), ML350 ¹⁷ , ML370 ¹⁷ , ML530(G2) ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware 5.10: SP2A ^{2, 3, SP5³, SP6;} Novell Netware 6.0: SP1 ^{3, 42, 44} , SP2 ^{3, 42} , SP3 ⁴²	QLogic QLA2100F-EMC ¹⁶	FC-AL	Y ^{13, 14, 15}	
10	Proliant: DL320 ¹⁷ , ML370(G2), ML370(G3), ML750 ³²	PCI	Novell Netware 5.10: SP2A ^{2, 3, SP5³, SP6;} Novell Netware 6.0: SP1 ^{3, 42, 44} , SP2 ^{3, 42} , SP3 ⁴²	QLogic QLA2100F-EMC ¹⁶	FC-AL	Y ^{13, 14, 15}	See ²⁵

HPQ – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
11	Netserver LH: 4, II; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ¹⁷ , 19, 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 850 ¹⁷ , DL360(G2) ¹⁷ , DL360 ¹⁷ , DL380(G2) ¹⁷ , DL380(G3), DL380 ¹⁷ , DL580(G2) ¹⁷ , DL580 ¹⁷ , ML350 ¹⁷ , ML370 ¹⁷ , ML530(G2) ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , 44, SP2 ^{3, 42} , SP3 ⁴²	QLogic QLA2200F-EMC ^{22, 23, 24}	FC-AL	Y14, 15, 20, 21	
12	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 6000, PRO; Proliant 8000 ^{17, 19}	PCI	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , 44, SP2 ^{3, 42} , SP3 ⁴² ; Novell Netware 6.5 ^{42, 46}	QLogic QLA2200F-EMC ^{22, 23, 24}	FC-AL	N	
13	Netserver LH (LH Pro)	PCI	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , SP2 ^{3, 42} , SP3 ⁴²	QLogic QLA2100F-EMC ¹⁶	FC-AL	Y13, 14, 15	
14	Proliant 7000 ^{17, 19}	PCI	Novell Netware 5.10: SP5 ³ , SP6	QLogic QLA2100F-EMC ¹⁶	FC-AL	Y13, 14, 15	See ²⁵
15	Proliant 8500	PCI	Novell Netware 5.10: SP5 ³ , SP6	QLogic QLA2100F-EMC ¹⁶	FC-AL	N	See ²⁵
16	Netserver LH (LH Pro); Proliant 7000 ^{17, 19}	PCI	Novell Netware 5.10: SP5 ³ , SP6	QLogic QLA2200F-EMC ^{22, 23, 24}	FC-AL	Y14, 15, 20, 21	
17	Proliant 8500	PCI	Novell Netware 5.10: SP5 ³ , SP6	QLogic QLA2200F-EMC ^{22, 23, 24}	FC-AL	N	
18	Netserver LH: (LH Pro), III; Netserver LP 2000r; Proliant: 7000 ^{17, 19} , ML350(G2) ¹⁷ , ML350(G3)	PCI	Novell Netware 6.5 ^{42, 46}	QLogic QLA2100F-EMC ¹⁶	FC-AL	N	
19	Proliant: DL320 ¹⁷ , ML370(G2), ML370(G3), ML750 ³²	PCI	Novell Netware 6.5 ^{42, 46}	QLogic QLA2100F-EMC ¹⁶	FC-AL	N	See ²⁵
20	Netserver LH: 4, II; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ¹⁷ , 19, 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 850 ¹⁷ , DL360(G2) ¹⁷ , DL360 ¹⁷ , DL380(G2) ¹⁷ , DL380(G3), DL380 ¹⁷ , DL580(G2) ¹⁷ , DL580 ¹⁷ , ML350 ¹⁷ , ML370 ¹⁷ , ML530(G2) ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware 6.5 ^{42, 46}	QLogic: QLA2100F-EMC ¹⁶ , QLA2200F-EMC ^{22, 23, 24}	FC-AL	N	
21	Netserver LC 2000r; Proliant 8000 ^{17, 19}	PCI	Novell Netware: 5.00 SP6A ^{1, 2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ³ , 5.10 SP6, 6.0 SP1 ^{3, 42} , 44, 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴² , 6.5 ^{42, 46}	QLogic QLA2100F-EMC ¹⁶	FC-AL	N	
22	Proliant 8500	PCI	Novell Netware: 5.00 SP6A ^{1, 2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 6.0 SP1 ^{3, 42} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴² , 6.5 ^{42, 46}	QLogic QLA2100F-EMC ¹⁶	FC-AL	N	
23	Netserver LH: 4, II, III; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware: 5.00 SP6A ^{2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ³ , 5.10 SP6, 6.0 SP1 ^{3, 42} , 44, 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴² , 6.5 ^{42, 46}	HPQ D8602A (Agilent HHBA-5101B) ^{26, 27, 28}	FC-AL	N	
24	Netserver: LC 2000 U3, LT 6000R	PCI	Novell Netware: 5.00 SP6A ^{2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ³ , 5.10 SP6, 6.0 SP1 ^{3, 42} , 44, 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴² , 6.5 ^{42, 46}	HPQ D8602A (Agilent HHBA-5101B) ^{26, 27, 28}	FC-AL	N	See ²⁵
25	Netserver LH PRO	PCI	Novell Netware: 5.00 SP6A ^{2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ³ , 5.10 SP6, 6.0 SP1 ^{3, 42} , 44, 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴² , 6.5 ^{42, 46}	HPQ D8602A (Agilent HHBA-5101B) ^{26, 27, 28} QLogic QLA2100F-EMC ¹⁶	FC-AL	N	
26	Netserver: LC 2000 U3, LH 3, LH 3000, LH 6000	PCI	Novell Netware: 5.00 SP6A ^{2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ³ , 5.10 SP6, 6.0 SP1 ^{3, 42} , 44, 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴² , 6.5 ^{42, 46}	QLogic QLA2100F-EMC ¹⁶	FC-AL	N	
27	Proliant ML750 ³²	PCI	Novell Netware: 5.00 SP6A ^{2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ³ , 5.10 SP6, 6.0 SP1 ^{3, 42} , 44, 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴² , 6.5 ^{42, 46}	QLogic QLA2100F ^{16, 27}	FC-AL	N	
28	Netserver LH (LH Pro)	PCI	Novell Netware: 5.00 SP6A ^{2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 6.0 SP1 ^{3, 42} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴² , 6.5 ^{42, 46}	HPQ D8602A (Agilent HHBA-5101B) ^{26, 27, 28}	FC-AL	N	
29	Proliant 7000 ^{17, 19}	PCI	Novell Netware: 5.10 SP2A ^{2, 3} , 6.0 SP1 ^{3, 42} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴²	QLogic QLA2100F-EMC ¹⁶	FC-AL	Y13, 14, 15	
30	Proliant: DL560, DL760 (G2), DL760 ¹⁷ , ML570(G2)	PCI-X	Novell Netware 5.00 SP6A ^{1, 2, 3, 42, 43}	QLogic QLA2100F-EMC ¹⁶	FC-AL	Y13, 14	
31	Proliant DL360(G3)	PCI-X	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic QLA2100F-EMC ¹⁶	FC-AL	Y13, 14	
32	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic QLA2200F-EMC ^{22, 23}	FC-AL	Y14, 20, 21	
33	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ¹⁷ , ML570(G2)	PCI-X	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , 44, SP2 ^{3, 42} , SP3 ⁴²	QLogic QLA2100F-EMC ¹⁶	FC-AL	Y13, 14, 15	
34	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , 44, SP2 ^{3, 42} , SP3 ⁴²	QLogic QLA2200F-EMC ^{22, 23, 24}	FC-AL	Y14, 15, 20, 21	
35	Proliant: DL760 (G2), DL760 ¹⁷	PCI-X	Novell Netware 6.5 ^{42, 46}	QLogic QLA2100F-EMC ¹⁶	FC-AL	N	

HPQ – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
36	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 6.5 ^{42, 46}	QLogic: QLA2100F-EMC ¹⁶ , QLA2200F-EMC ^{22, 23, 24}	FC-AL	N	
37	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ^{1, 2, 3, 42, 43}	QLogic QLA2100F-EMC ¹⁶	FC-AL	Y ^{13, 14}	
38	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic QLA2200F-EMC ^{22, 23}	FC-AL	Y ^{14, 20, 21}	
39	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP2A ^{2, 3, 5} , SP ^{5, 6} ; Novell Netware 6.0: SP ^{1, 3, 42, 44} , SP ^{2, 3, 42, 43}	QLogic QLA2100F-EMC ¹⁶	FC-AL	Y ^{13, 14, 15}	
40	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP2A ^{2, 3, 5} , SP ^{5, 6} ; Novell Netware 6.0: SP ^{1, 3, 42, 44} , SP ^{2, 3, 42, 43}	QLogic QLA2200F-EMC ^{22, 23, 24}	FC-AL	Y ^{14, 15, 20, 21}	
41	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.5 ^{42, 46}	QLogic: QLA2100F-EMC ¹⁶ , QLA2200F-EMC ^{22, 23, 24}	FC-AL	N	
42	Netserver LH: (LH Pro), 4, II, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ^{17, 19} , 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 7000 ^{17, 19} , 850 ¹⁷ , DL360 ¹⁷ , DL380(G2) ¹⁷ , DL380(G3), DL580(G2) ¹⁷ , DL580(G3), ML350(G2) ¹⁷ , ML350(G3), ML350 ¹⁷ , ML370 ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware 5.00 SP6A ^{1, 2, 3, 42, 43}	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	Y ^{14, 20, 21}	
43	Proliant: DL320 ¹⁷ , ML370(G2), ML370(G3)	PCI	Novell Netware 5.00 SP6A ^{1, 2, 3, 42, 43}	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	Y ^{14, 20, 21}	See ²⁵
44	Netserver LH: (LH Pro), 4, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ^{17, 19} , 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 7000 ^{17, 19} , 850 ¹⁷ , DL360(G2) ¹⁷ , DL360(G3), DL380(G2) ¹⁷ , DL380(G3), DL380 ¹⁷ , DL580(G2) ¹⁷ , DL580(G3), ML350(G2) ¹⁷ , ML350(G3), ML350 ¹⁷ , ML370 ¹⁷ , ML530(G2) ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic QLA2300F-E-SP ^{22, 29}	FC-AL, FC-SW	N	
45	Proliant: DL320 ¹⁷ , ML370(G2), ML370(G3), ML750 ³²	PCI	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic QLA2300F-E-SP ^{22, 29}	FC-AL, FC-SW	N	See ²⁵
46	Netserver LP 2000r; Proliant: DL360(G2) ¹⁷ , ML350(G2) ¹⁷ , ML350(G3), ML530(G2) ¹⁷	PCI	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic: QLA2200F-EMC ^{22, 23} , QLA2202F-EMC ^{16, 22, 23} , QLA2310F-E-SP ^{22, 29, 30} , QLA2340-E-SP ^{22, 29, 30} , QLA2342-E-SP ^{22, 29, 30}	FC-AL, FC-SW	Y ^{14, 20, 21}	
47	Proliant ML750 ³²	PCI	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic: QLA2200F-EMC ^{22, 23} , QLA2202F-EMC ^{16, 22, 23} , QLA2310F-E-SP ^{22, 29, 30} , QLA2340-E-SP ^{22, 29, 30} , QLA2342-E-SP ^{22, 29, 30}	FC-AL, FC-SW	Y ^{14, 20, 21}	See ²⁵
48	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 6000, PRO; Proliant: 8000 ^{17, 19} , 8500	PCI	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic: QLA2200F-EMC ^{22, 23} , QLA2300F-E-SP ^{22, 29} , QLA2310F-E-SP ^{22, 29, 30} , QLA2340-E-SP ^{22, 29, 30} , QLA2342-E-SP ^{22, 29, 30}	FC-AL, FC-SW	N	
49	Netserver LH: (LH Pro), 4, II, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ^{17, 19} , 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 7000 ^{17, 19} , 850 ¹⁷ , DL360 ¹⁷ , DL380(G2) ¹⁷ , DL380(G3), DL580(G2) ¹⁷ , DL580(G3), ML350(G2) ¹⁷ , ML350(G3), ML350 ¹⁷ , ML370 ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic: QLA2200F-EMC ^{22, 23} , QLA2310F-E-SP ^{22, 29, 30} , QLA2340-E-SP ^{22, 29, 30} , QLA2342-E-SP ^{22, 29, 30}	FC-AL, FC-SW	Y ^{14, 20, 21}	
50	Proliant: DL320 ¹⁷ , ML370(G2), ML370(G3)	PCI	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic: QLA2200F-EMC ^{22, 23} , QLA2310F-E-SP ^{22, 29, 30} , QLA2340-E-SP ^{22, 29, 30} , QLA2342-E-SP ^{22, 29, 30}	FC-AL, FC-SW	Y ^{14, 20, 21}	See ²⁵
51	Proliant DL380(G3)	PCI	Novell Netware 5.00: SP6A ^{1, 2, 3, 42, 43} , SP6A ^{2, 3, 42, 43}	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	Y ^{14, 20, 21}	
52	Proliant DL380(G3)	PCI	Novell Netware 5.10: SP2A ^{2, 3, 5} , SP ^{5, 6} ; Novell Netware 6.0: SP ^{1, 3, 42, 44} , SP ^{2, 3, 42, 43}	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	Y ^{14, 15, 20, 21}	
53	Netserver LH: (LH Pro), 4, II, III; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ^{17, 19} , 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 7000 ^{17, 19} , 850 ¹⁷ , DL360 ¹⁷ , DL380(G2) ¹⁷ , DL380(G3), DL580(G2) ¹⁷ , DL580(G3), ML350(G2) ¹⁷ , ML350(G3), ML350 ¹⁷ , ML370 ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware 5.10: SP2A ^{2, 3, 5} , SP ^{5, 6} ; Novell Netware 6.0: SP ^{1, 3, 42, 44} , SP ^{2, 3, 42, 43}	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	Y ^{14, 15, 20, 21}	
54	Proliant: DL320 ¹⁷ , ML370(G2), ML370(G3)	PCI	Novell Netware 5.10: SP2A ^{2, 3, 5} , SP ^{5, 6} ; Novell Netware 6.0: SP ^{1, 3, 42, 44} , SP ^{2, 3, 42, 43}	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	Y ^{14, 15, 20, 21}	See ²⁵
55	Proliant: ML350(G2) ¹⁷ , ML350(G3)	PCI	Novell Netware 5.10: SP2A ^{2, 3, 5} , SP ^{5, 6} ; Novell Netware 6.0: SP ^{1, 3, 42, 44} , SP ^{2, 3, 42, 43}	QLogic QLA2310F-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y ^{14, 15, 20, 21}	
56	Proliant: ML370(G2), ML370(G3)	PCI	Novell Netware 5.10: SP2A ^{2, 3, 5} , SP ^{5, 6} ; Novell Netware 6.0: SP ^{1, 3, 42, 44} , SP ^{2, 3, 42, 43}	QLogic QLA2310F-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y ^{14, 15, 20, 21}	See ²⁵
57	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 6000; Proliant: 8000 ^{17, 19} , 8500	PCI	Novell Netware 5.10: SP2A ^{2, 3, 5} , SP ^{5, 6} ; Novell Netware 6.0: SP ^{1, 3, 42, 44} , SP ^{2, 3, 42, 43}	QLogic QLA2310F-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	N	

HPQ – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
58	Netserver LH: (LH Pro), 4, II, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ¹⁷ , 19, 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 7000 ^{17, 19} , 850 ¹⁷ , DL360(G2) ¹⁷ , DL360 ¹⁷ , DL380(G2) ¹⁷ , DL380(G3), DL380 ¹⁷ , DL580 ¹⁷ , ML350 ¹⁷ , ML370 ¹⁷ , ML530(G2) ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ^{3, 31} , SP6; Novell Netware 6.0: SP1 ^{3, 42} , SP2 ^{3, 42} , SP3 ⁴²	QLogic QLA2310F-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y14, 15, 20, 21	
59	Netserver LH III	PCI	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , SP2 ^{3, 42} , SP3 ⁴²	QLogic QLA2200F-EMC ^{22, 23, 24}	FC-AL, FC-SW	Y14, 15, 20, 21	
60	Proliant: DL360(G2) ¹⁷ , ML530(G2) ¹⁷	PCI	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , SP2 ^{3, 42} , SP3 ⁴²	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	Y14, 15, 20, 21	
61	Netserver LP 2000r	PCI	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , SP2 ^{3, 42} , SP3 ⁴²	QLogic: QLA2200F-EMC ^{22, 23, 24} , QLA2202F-EMC ^{16, 22, 23} , QLA2310F-E-SP ^{22, 24, 29, 30} , QLA2340-E-SP ^{22, 24, 29, 30} , QLA2342-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y14, 15, 20, 21	
62	Proliant ML750 ³²	PCI	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , SP2 ^{3, 42} , SP3 ⁴²	QLogic: QLA2200F-EMC ^{22, 23, 24} , QLA2202F-EMC ^{16, 22, 23} , QLA2310F-E-SP ^{22, 24, 29, 30} , QLA2340-E-SP ^{22, 24, 29, 30} , QLA2342-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y14, 15, 20, 21	See ²⁵
63	Proliant: ML350(G2) ¹⁷ , ML350(G3)	PCI	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , SP2 ^{3, 42} , SP3 ⁴²	QLogic: QLA2200F-EMC ^{22, 23, 24} , QLA2202F-EMC ^{16, 22, 23} , QLA2340-E-SP ^{22, 24, 29, 30} , QLA2342-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y14, 15, 20, 21	
64	Proliant DL320 ¹⁷	PCI	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , SP2 ^{3, 42} , SP3 ⁴²	QLogic: QLA2200F-EMC ^{22, 23, 24} , QLA2310F-E-SP ^{22, 24, 29, 30} , QLA2340-E-SP ^{22, 24, 29, 30} , QLA2342-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y14, 15, 20, 21	See ²⁵
65	Proliant: ML370(G2), ML370(G3)	PCI	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , SP2 ^{3, 42} , SP3 ⁴²	QLogic: QLA2200F-EMC ^{22, 23, 24} , QLA2340-E-SP ^{22, 24, 29, 30} , QLA2342-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y14, 15, 20, 21	See ²⁵
66	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ¹⁷ , 19, 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 8000 ^{17, 19} , 850 ¹⁷ , DL360(G2) ¹⁷ , DL360 ¹⁷ , DL380(G2) ¹⁷ , DL380(G3), DL380 ¹⁷ , DL580(G2) ¹⁷ , DL580 ¹⁷ , ML350(G2) ¹⁷ , ML350(G3), ML350 ¹⁷ , ML370 ¹⁷ , ML530(G2) ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , SP2 ^{3, 42} , SP3 ⁴² ; Novell Netware 6.5 ^{42, 46}	QLogic QLA2300F-E-SP ^{22, 24, 29}	FC-AL, FC-SW	N	
67	Proliant: DL320 ¹⁷ , ML370(G2), ML370(G3), ML750 ³²	PCI	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , SP2 ^{3, 42} , SP3 ⁴² ; Novell Netware 6.5 ^{42, 46}	QLogic QLA2300F-E-SP ^{22, 24, 29}	FC-AL, FC-SW	N	See ²⁵
68	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 6000, PRO; Proliant: 8000 ^{17, 19} , 8500	PCI	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , SP2 ^{3, 42} , SP3 ⁴²	QLogic: QLA2340-E-SP ^{22, 24, 29, 30} , QLA2342-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	N	
69	Netserver LH: (LH Pro), 4, II, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ¹⁷ , 19, 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 7000 ^{17, 19} , 850 ¹⁷ , DL360(G2) ¹⁷ , DL360 ¹⁷ , DL380(G2) ¹⁷ , DL380(G3), DL380 ¹⁷ , DL580 ¹⁷ , ML350 ¹⁷ , ML370 ¹⁷ , ML530(G2) ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , SP2 ^{3, 42} , SP3 ⁴²	QLogic: QLA2340-E-SP ^{22, 24, 29, 30} , QLA2342-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y14, 15, 20, 21	
70	Netserver LC 2000 U3	PCI	Novell Netware 5.10: SP5 ^{2, 3} , SP6	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	N	See ²⁵
71	Netserver LT 6000R	PCI	Novell Netware 5.10: SP5 ^{2, 3} , SP6	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	Y14, 15, 20, 21	See ²⁵
72	Proliant ML750 ¹⁷	PCI	Novell Netware 5.10: SP5 ^{3, 31} , SP6	QLogic QLA2310F-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y14, 15, 20, 21, 32	
73	Netserver LH (LH Pro)	PCI	Novell Netware 5.10: SP5 ³ , SP6	HPQ D8602A (Agilent HHBA-5101B) ^{26, 27, 28}	FC-AL, FC-SW	N	
74	Proliant ML750 ¹⁷	PCI	Novell Netware 5.10: SP5 ³ , SP6	QLogic: QLA2340-E-SP ^{22, 24, 29, 30} , QLA2342-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y14, 15, 20, 21, 32	
75	Netserver LH: (LH Pro), 4, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ¹⁷ , 19, 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 7000 ^{17, 19} , 850 ¹⁷ , DL360(G2) ¹⁷ , DL360 ¹⁷ , DL380(G2) ¹⁷ , DL380(G3), DL380 ¹⁷ , DL580(G2) ¹⁷ , DL580 ¹⁷ , ML350(G2) ¹⁷ , ML350(G3), ML350 ¹⁷ , ML370 ¹⁷ , ML530(G2) ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware 6.5 ^{42, 46}	QLogic: QLA2200F-EMC ^{22, 23, 24} , QLA2202F-EMC ^{16, 22, 23} , QLA2310F-E-SP ^{22, 24, 29, 30, 47} , QLA2340-E-SP ^{24, 30, 47} , QLA2342-E-SP ^{24, 30, 47}	FC-AL, FC-SW	N	
76	Proliant: DL320 ¹⁷ , ML370(G2), ML370(G3), ML750 ³²	PCI	Novell Netware 6.5 ^{42, 46}	QLogic: QLA2200F-EMC ^{22, 23, 24} , QLA2202F-EMC ^{16, 22, 23} , QLA2310F-E-SP ^{22, 24, 29, 30, 47} , QLA2340-E-SP ^{24, 30, 47} , QLA2342-E-SP ^{24, 30, 47}	FC-AL, FC-SW	N	See ²⁵
77	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 6000, PRO; Proliant: 8000 ^{17, 19} , 8500	PCI	Novell Netware 6.5 ^{42, 46}	QLogic: QLA2310F-E-SP ^{22, 24, 29, 30, 47} , QLA2340-E-SP ^{24, 30, 47} , QLA2342-E-SP ^{24, 30, 47}	FC-AL, FC-SW	N	

HPQ – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
78	Netserver LH 3	PCI	Novell Netware: 5.00 SP6A1, 2, 3, 42, 43, 5.10 SP2A2, 3, 5.10 SP51, 2, 3, 5.10 SP6, 6.0 SP1 ³ , 42, 44, 6.0 SP2 ³ , 42, 6.0 SP3 ⁴² , 6.542, 46	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	N	
79	Netserver: LC 2000r, LH 3000, LH 6000; Proliant: 8000 ^{17, 19} , 8500	PCI	Novell Netware: 5.00 SP6A1, 2, 3, 42, 43, 5.10 SP2A2, 3, 5.10 SP52, 3, 5.10 SP6, 6.0 SP1 ³ , 42, 44, 6.0 SP2 ³ , 42, 6.0 SP3 ⁴² , 6.542, 46	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	N	
80	Netserver LC 2000 U3	PCI	Novell Netware: 5.00 SP6A1, 2, 3, 42, 43, 5.10 SP2A2, 3, 6.0 SP1 ³ , 42, 44, 6.0 SP2 ³ , 42, 6.0 SP3 ⁴² , 6.542, 46	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	N	
81	Netserver LH PRO	PCI	Novell Netware: 5.00 SP6A2, 3, 42, 43, 5.10 SP2A2, 3, 5.10 SP51, 2, 3, 5.10 SP6, 6.0 SP1 ³ , 42, 44, 6.0 SP2 ³ , 42, 6.0 SP3 ⁴² , 6.542, 46	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	N	
82	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ¹⁷ , DL320 ¹⁷ , DL360(G2) ¹⁷ , DL360 ¹⁷ , DL380(G2) ¹⁷ , DL380(G3), DL380 ¹⁷ , DL580(G2) ¹⁷ , DL580 ¹⁷ , ML350(G2) ¹⁷ , ML350(G3), ML350 ¹⁷ , ML370(G2), ML370(G3), ML370 ¹⁷ , ML530(G2) ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷ , ML750 ³²	PCI	Novell Netware: 5.00 SP6A2, 3, 42, 43, 5.10 SP2A2, 3, 5.10 SP53, 5.10 SP6, 6.0 SP1 ³ , 42, 44, 6.0 SP2 ³ , 42, 6.0 SP3 ⁴² , 6.542, 46	Emulex LP9002-E (LP9002L-E) ^{33, 34, 35}	FC-AL, FC-SW	N	
83	Proliant 8500	PCI	Novell Netware: 5.00 SP6A2, 3, 42, 43, 5.10 SP2A2, 3, 6.0 SP1 ³ , 42, 6.0 SP2 ³ , 42, 6.0 SP3 ⁴² , 6.542, 46	Emulex LP9002-E (LP9002L-E) ^{34, 35}	FC-AL, FC-SW	N	
84	Netserver LT 6000R	PCI	Novell Netware: 5.10 SP2A2, 3, 6.0 SP1 ³ , 42, 44, 6.0 SP2 ³ , 42, 6.0 SP3 ⁴²	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	Y14, 15, 20, 21	
85	Netserver LH: (LH Pro), 4, II; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ¹⁷ , 19, 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 7000 ^{17, 19} , 850 ¹⁷ , DL360(G2) ¹⁷ , DL360 ¹⁷ , DL380(G2) ¹⁷ , DL380(G3), DL380 ¹⁷ , DL580 ¹⁷ , ML350 ¹⁷ , ML370 ¹⁷ , ML530(G2) ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware: 5.10 SP2A2, 3, 6.0 SP1 ³ , 42, 6.0 SP2 ³ , 42, 6.0 SP3 ⁴²	QLogic QLA2200F-EMC ^{22, 23, 24}	FC-AL, FC-SW	Y14, 15, 20, 21	
86	Netserver LH PRO	PCI	Novell Netware: 5.10 SP2A2, 3, 6.0 SP1 ³ , 42, 6.0 SP2 ³ , 42, 6.0 SP3 ⁴²	QLogic QLA2310F-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	N	
87	Proliant DL580(G2) ¹⁷	PCI	Novell Netware: 5.10 SP2A2, 3, 6.0 SP1 ³ , 42, 6.0 SP2 ³ , 42, 6.0 SP3 ⁴²	QLogic: QLA2200F-EMC ^{22, 23, 24} , QLA2310F-E-SP ^{22, 24, 29, 30} , QLA2340-E-SP ^{22, 24, 29, 30} , QLA2342-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y14, 15, 20, 21	
88	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 6000, PRO; Proliant 8000 ^{17, 19}	PCI	Novell Netware: 5.10 SP2A2, 3, 6.0 SP1 ³ , 42, 6.0 SP2 ³ , 42, 6.0 SP3 ⁴² , 6.542, 46	QLogic QLA2200F-EMC ^{22, 23, 24}	FC-AL, FC-SW	N	
89	Netserver LH (LH Pro); Proliant 7000 ^{17, 19}	PCI	Novell Netware: 5.10 SP2A2, 3, 6.0 SP1 ³ , 42, 6.0 SP2 ³ , 42, 6.0 SP3 ⁴² , 6.542, 46	QLogic QLA2300F-E-SP ^{22, 24, 29}	FC-AL, FC-SW	N	
90	Proliant 8500	PCI	Novell Netware: 5.10 SP2A2, 3, 6.0 SP1 ³ , 42, 6.0 SP2 ³ , 42, 6.0 SP3 ⁴² , 6.542, 46	QLogic: QLA2200F-EMC ^{22, 23, 24} , QLA2300F-E-SP ^{22, 24, 29}	FC-AL, FC-SW	N	
91	Proliant: DL560, DL760 (G2), DL760 ¹⁷ , ML570(G2)	PCI-X	Novell Netware 5.00 SP6A1, 2, 3, 42, 43	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	Y14, 20, 21	
92	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ¹⁷ , ML570(G2)	PCI-X	Novell Netware 5.00 SP6A2, 3, 42, 43	QLogic QLA2300F-E-SP ^{22, 29}	FC-AL, FC-SW	N	
93	Proliant DL360(G3)	PCI-X	Novell Netware 5.00 SP6A2, 3, 42, 43	QLogic: QLA2200F-EMC ^{22, 23} , QLA2202F-EMC ^{16, 22, 23} , QLA2310F-E-SP ^{22, 29, 30} , QLA2340-E-SP ^{22, 29, 30} , QLA2342-E-SP ^{22, 29, 30}	FC-AL, FC-SW	Y14, 20, 21	
94	Proliant: DL560, DL760 (G2), DL760 ¹⁷ , ML570(G2)	PCI-X	Novell Netware 5.00 SP6A2, 3, 42, 43	QLogic: QLA2200F-EMC ^{22, 23} , QLA2310F-E-SP ^{22, 29, 30} , QLA2340-E-SP ^{22, 29, 30} , QLA2342-E-SP ^{22, 29, 30}	FC-AL, FC-SW	Y14, 20, 21	
95	Proliant: DL560, DL740, DL760 (G2), DL760 ¹⁷ , ML570(G2)	PCI-X	Novell Netware 5.10: SP2A2, 3, SP52, 3, SP6; Novell Netware 6.0: SP1 ³ , 42, 44, SP2 ³ , 42, SP3 ⁴²	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	Y14, 15, 20, 21	
96	Proliant: DL740, DL760 (G2), DL760 ¹⁷	PCI-X	Novell Netware 5.10: SP2A2, 3, SP53, 31, SP6; Novell Netware 6.0: SP1 ³ , 42, 44, SP2 ³ , 42, SP3 ⁴²	QLogic QLA2310F-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y14, 15, 20, 21	
97	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 5.10: SP2A2, 3, SP53, 31, SP6; Novell Netware 6.0: SP1 ³ , 42, SP2 ³ , 42, SP3 ⁴²	QLogic QLA2310F-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y14, 15, 20, 21	
98	Proliant DL360(G3)	PCI-X	Novell Netware 5.10: SP2A2, 3, SP53, SP6; Novell Netware 6.0: SP1 ³ , 42, 44, SP2 ³ , 42, SP3 ⁴²	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	Y14, 15, 20, 21	
99	Proliant: DL740, DL760 (G2), DL760 ¹⁷	PCI-X	Novell Netware 5.10: SP2A2, 3, SP53, SP6; Novell Netware 6.0: SP1 ³ , 42, 44, SP2 ³ , 42, SP3 ⁴²	QLogic: QLA2200F-EMC ^{22, 23, 24} , QLA2340-E-SP ^{22, 24, 29, 30} , QLA2342-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y14, 15, 20, 21	

HPQ – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
100	Proliant DL740	PCI-X	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42, 44} , SP2 ^{3, 42} , SP3 ⁴² ; Novell Netware 6.5 ^{42, 46}	Emulex LP9002-E (LP9002L-E) ^{33, 34, 35}	FC-AL, FC-SW	N	
101	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ¹⁷ , ML570(G2)	PCI-X	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42, 44} , SP2 ^{3, 42} , SP3 ⁴² ; Novell Netware 6.5 ^{42, 46}	QLogic QLA2300F-E-SP ^{22, 24, 29}	FC-AL, FC-SW	N	
102	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , SP2 ^{3, 42} , SP3 ⁴²	QLogic: QLA2340-E-SP ^{22, 24, 29, 30} , QLA2342-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y ^{14, 15, 20, 21}	
103	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ¹⁷ , ML570(G2)	PCI-X	Novell Netware 6.5 ^{42, 46}	QLogic: QLA2200F-EMC ^{22, 23, 24} , QLA2202F-EMC ^{16, 22, 23} , QLA2310F-E-SP ^{22, 24, 29, 30, 47} , QLA2340-E-SP ^{24, 30, 47} , QLA2342-E-SP ^{24, 30, 47}	FC-AL, FC-SW	N	
104	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ¹⁷ , ML570(G2)	PCI-X	Novell Netware: 5.00 SP6A ^{2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ³ , 5.10 SP6, 6.0 SP1 ^{3, 42, 44} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴² , 6.5 ^{42, 46}	Emulex LP9002-E (LP9002L-E) ^{33, 34, 35}	FC-AL, FC-SW	N	
105	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware: 5.10 SP2A ^{2, 3} , 6.0 SP1 ^{3, 42} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴²	QLogic QLA2200F-EMC ^{22, 23, 24}	FC-AL, FC-SW	Y ^{14, 15, 20, 21}	
106	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ^{1, 2, 3, 42, 43}	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	Y ^{14, 20, 21}	
107	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic QLA2300F-E-SP ^{22, 29}	FC-AL, FC-SW	N	
108	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	QLogic: QLA2200F-EMC ^{22, 23} , QLA2310F-E-SP ^{22, 29, 30} , QLA2340-E-SP ^{22, 29, 30} , QLA2342-E-SP ^{22, 29, 30}	FC-AL, FC-SW	Y ^{14, 20, 21}	
109	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ^{2, 3} , SP6; Novell Netware 6.0: SP1 ^{3, 42, 44} , SP2 ^{3, 42} , SP3 ⁴²	QLogic QLA2202F-EMC ^{16, 22, 23}	FC-AL, FC-SW	Y ^{14, 15, 20, 21}	
110	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ^{3, 31} , SP6; Novell Netware 6.0: SP1 ^{3, 42} , SP2 ^{3, 42} , SP3 ⁴²	QLogic QLA2310F-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y ^{14, 15, 20, 21}	
111	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42, 44} , SP2 ^{3, 42} , SP3 ⁴² ; Novell Netware 6.5 ^{42, 46}	QLogic QLA2300F-E-SP ^{22, 24, 29}	FC-AL, FC-SW	N	
112	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42} , SP2 ^{3, 42} , SP3 ⁴²	QLogic: QLA2340-E-SP ^{22, 24, 29, 30} , QLA2342-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y ^{14, 15, 20, 21}	
113	Proliant DL580(G2) ¹⁷	PCI, PCI-X	Novell Netware 5.10: SP5 ^{3, 31} , SP6	QLogic QLA2310F-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y ^{14, 15, 20, 21}	
114	Proliant DL580(G2) ¹⁷	PCI, PCI-X	Novell Netware 5.10: SP5 ³ , SP6	QLogic: QLA2340-E-SP ^{22, 24, 29, 30} , QLA2342-E-SP ^{22, 24, 29, 30}	FC-AL, FC-SW	Y ^{14, 15, 20, 21}	
115	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.5 ^{42, 46}	QLogic: QLA2200F-EMC ^{22, 23, 24} , QLA2202F-EMC ^{16, 22, 23} , QLA2310F-E-SP ^{22, 24, 29, 30, 47} , QLA2340-E-SP ^{24, 30, 47} , QLA2342-E-SP ^{24, 30, 47}	FC-AL, FC-SW	N	
116	Proliant DL580(G3)	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ³ , 5.10 SP6, 6.0 SP1 ^{3, 42, 44} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴² , 6.5 ^{42, 46}	Emulex LP9002-E (LP9002L-E) ^{33, 34, 35}	FC-AL, FC-SW	N	
117	Proliant DL580(G3)	PCI, PCI-X	Novell Netware: 5.10 SP2A ^{2, 3} , 6.0 SP1 ^{3, 42} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴²	QLogic QLA2200F-EMC ^{22, 23, 24}	FC-AL, FC-SW	Y ^{14, 15, 20, 21}	
118	Netserver LC: 2000 U3 ⁴⁵ , 2000r ⁴⁵ ; Netserver LH: 3, 3000, 6000; Netserver LT 6000R; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ¹⁷ , 19, 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 7000 ^{17, 19} , 8000 ^{17, 19} , 8500, 850 ¹⁷ , DL320 ¹⁷ , DL360 ¹⁷ , DL380(G2) ¹⁷ , DL380 ¹⁷ , DL580(G2) ¹⁷ , DL580 ¹⁷ , ML350 ¹⁷ , ML370(G2), ML370(G3), ML370 ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware: 5.00 SP6A ^{1, 2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ^{2, 3} , 5.10 SP6, 6.0 SP1 ^{3, 42, 44} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴² , 6.5 ^{42, 46}	Adaptec AHA-2944W ^{5, 10}	FWD	N	
119	Netserver LH: (LH Pro), 4, II, III; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware: 5.00 SP6A ^{1, 2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ^{2, 3} , 5.10 SP6, 6.0 SP1 ^{3, 42, 44} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴² , 6.5 ^{42, 46}	Adaptec AHA-2944W ^{5, 10} ; HPQ A5252A ^{4, 5, 6, 7, 8, 9}	FWD	N	
120	Netserver LH PRO	PCI	Novell Netware: 5.00 SP6A ^{2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ^{1, 2, 3} , 5.10 SP6, 6.0 SP1 ^{3, 42, 44} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴² , 6.5 ^{42, 46}	Adaptec AHA-2944W ¹⁰ ; HPQ A5252A ^{4, 5, 6, 7, 8, 9}	FWD	N	

HPQ – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
121	Netserver LH 3	PCI	Novell Netware: 5.00 SP6A ^{2, 3, 42, 43} , 5.10 SP2A ^{2, 3, 5, 10} , SP5 ^{1, 2, 3} , 5.10 SP6, 6.0 SP1 ^{3, 42, 44} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ^{42, 6, 5, 42, 46}	HPQ A5252A ^{4, 5, 6, 7, 8, 9}	FWD	N	
122	Netserver LP 2000R; Proliant: ML350(G2) ¹⁷ , ML350(G3) , ML530(G2) ¹⁷ , ML750 ³²	PCI	Novell Netware: 5.00 SP6A ^{2, 3, 42, 43} , 5.10 SP2A ^{2, 3, 5, 10} , SP5 ³ , 5.10 SP6, 6.0 SP1 ^{3, 42, 44} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ^{42, 6, 5, 42, 46}	Adaptec AHA-2944W	FWD	N	
123	Proliant: DL760 (G2), DL760 ¹⁷ , ML570(G2)	PCI-X	Novell Netware: 5.00 SP6A ^{1, 2, 3, 42, 43} , 5.10 SP2A ^{2, 3, 5, 10} , SP5 ^{2, 3} , 5.10 SP6, 6.0 SP1 ^{3, 42, 44} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ^{42, 6, 5, 42, 46}	Adaptec AHA-2944W ^{5, 10}	FWD	N	
124	Proliant DL580(G3)	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{1, 2, 3, 42, 43} , 5.10 SP2A ^{2, 3, 5, 10} , SP5 ^{2, 3} , 5.10 SP6, 6.0 SP1 ^{3, 42, 44} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ^{42, 6, 5, 42, 46}	Adaptec AHA-2944W ^{5, 10}	FWD	N	
125	Netserver LH: (LH Pro), 4, II, III; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ^{17, 19} , 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 7000 ^{17, 19} , 850 ¹⁷ , DL360 ¹⁷ , DL380 ¹⁷ , DL580(G2) ¹⁷ , DL580 ¹⁷ , ML350 ¹⁷ , ML370 ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware 5.00 SP6A ^{1, 2, 3, 42, 43}	Adaptec AHA-2944UW ^{4, 5, 6, 7, 9}	UWD	Y ^{14, 36, 37, 38, 39, 40, 41}	
126	Netserver LT 6000R; Proliant: DL320 ¹⁷ , ML370(G2), ML370(G3)	PCI	Novell Netware 5.00 SP6A ^{1, 2, 3, 42, 43}	Adaptec AHA-2944UW ^{4, 5, 6, 7, 9}	UWD	Y ^{14, 36, 37, 38, 39, 40, 41}	See ²⁵
127	Proliant DL380(G2) ¹⁷	PCI	Novell Netware 5.00 SP6A ^{1, 2, 3, 42, 43}	Adaptec AHA-2944UW ^{5, 6, 7}	UWD	Y ^{14, 36, 37, 38, 39, 40, 41}	
128	Netserver LP 2000R; Proliant: ML350(G2) ¹⁷ , ML350(G3) , ML530(G2) ¹⁷	PCI	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	Adaptec AHA-2944UW ^{4, 5, 6, 7, 9}	UWD	Y ^{1, 14, 36, 37, 38, 39, 40, 41}	
129	Proliant ML750 ³²	PCI	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	Adaptec AHA-2944UW ^{4, 5, 6, 7, 9}	UWD	Y ^{1, 14, 36, 37, 38, 39, 40, 41}	See ²⁵
130	Proliant DL360(G2) ¹⁷	PCI	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	Adaptec AHA-2944UW ^{5, 6, 7}	UWD	Y ^{1, 14, 36, 37, 38, 39, 40, 41}	
131	Netserver LH: (LH Pro), 4, II, III; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ^{17, 19} , 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 7000 ^{17, 19} , 850 ¹⁷ , DL360 ¹⁷ , DL380 ¹⁷ , DL580 ¹⁷ , ML350 ¹⁷ , ML370 ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware 5.10: SP2A ^{2, 3, 5, 10} , SP5 ^{2, 3} , SP6; Novell Netware 6.0: SP1 ^{3, 42, 44} , SP2 ^{3, 42} , SP3 ⁴²	Adaptec AHA-2944UW ^{4, 5, 6, 7, 9}	UWD	Y ^{1, 14, 15, 36, 37, 38, 39, 40, 41}	
132	Proliant DL380(G2) ¹⁷	PCI	Novell Netware 5.10: SP2A ^{2, 3, 5, 10} , SP5 ^{2, 3} , SP6; Novell Netware 6.0: SP1 ^{3, 42, 44} , SP2 ^{3, 42} , SP3 ⁴²	Adaptec AHA-2944UW ^{5, 6, 7}	UWD	Y ^{1, 14, 15, 36, 37, 38, 39, 40, 41}	
133	Netserver LP 2000R; Proliant: ML350(G2) ¹⁷ , ML350(G3) , ML530(G2) ¹⁷	PCI	Novell Netware 5.10: SP2A ^{2, 3, 5, 10} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42, 44} , SP2 ^{3, 42} , SP3 ⁴²	Adaptec AHA-2944UW ^{4, 5, 6, 7, 9}	UWD	Y ^{1, 14, 15, 36, 37, 38, 39, 40, 41}	
134	Proliant ML750 ³²	PCI	Novell Netware 5.10: SP2A ^{2, 3, 5, 10} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42, 44} , SP2 ^{3, 42} , SP3 ⁴²	Adaptec AHA-2944UW ^{4, 5, 6, 7, 9}	UWD	Y ^{1, 14, 15, 36, 37, 38, 39, 40, 41}	See ²⁵
135	Proliant DL360(G2) ¹⁷	PCI	Novell Netware 5.10: SP2A ^{2, 3, 5, 10} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{3, 42, 44} , SP2 ^{3, 42} , SP3 ⁴²	Adaptec AHA-2944UW ^{5, 6, 7}	UWD	Y ^{1, 14, 15, 36, 37, 38, 39, 40, 41}	
136	Netserver LT 6000R; Proliant: DL320 ¹⁷ , ML370(G2), ML370(G3)	PCI	Novell Netware 5.10: SP5 ^{2, 3} , SP6	Adaptec AHA-2944UW ^{4, 5, 6, 7, 9}	UWD	Y ^{1, 14, 15, 36, 37, 38, 39, 40, 41}	
137	Netserver LC 2000 U3	PCI	Novell Netware 5.10: SP5 ^{2, 3} , SP6	Adaptec AHA-2944UW ^{4, 5, 6, 7, 9} , QLogic QLA1041D ^{11, 12}	UWD	N	
138	Proliant DL580(G2) ¹⁷	PCI	Novell Netware 5.10: SP5 ^{2, 3} , SP6	Adaptec AHA-2944UW ^{5, 6, 7}	UWD	Y ^{1, 14, 15, 36, 37, 38, 39, 40, 41}	
139	Netserver LT 6000R	PCI	Novell Netware 5.10: SP5 ^{2, 3} , SP6	QLogic QLA1041D ^{11, 12}	UWD	N	
140	Netserver LH: (LH Pro), 4, II, III; Netserver: LP 2000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ^{17, 19} , 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 7000 ^{17, 19} , 850 ¹⁷ , DL360 ¹⁷ , DL380 ¹⁷ , DL580(G2) ¹⁷ , DL580 ¹⁷ , ML350(G2) ¹⁷ , ML350(G3) , ML350 ¹⁷ , ML370 ¹⁷ , ML530(G2) ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware 6.5 ^{42, 46}	Adaptec AHA-2944UW ^{4, 5, 6, 7, 9}	UWD	N	
141	Netserver LT 6000R; Proliant: DL320 ¹⁷ , ML370(G2), ML370(G3), ML750 ³²	PCI	Novell Netware 6.5 ^{42, 46}	Adaptec AHA-2944UW ^{4, 5, 6, 7, 9}	UWD	N	See ²⁵
142	Proliant: DL360(G2) ¹⁷ , DL380(G2) ¹⁷	PCI	Novell Netware 6.5 ^{42, 46}	Adaptec AHA-2944UW ^{5, 6, 7}	UWD	N	
143	Netserver LH 3	PCI	Novell Netware: 5.00 SP6A ^{1, 2, 3, 42, 43} , 5.10 SP2A ^{2, 3, 5, 10} , SP5 ^{1, 2, 3} , 5.10 SP6, 6.0 SP1 ^{3, 42, 44} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ^{42, 6, 5, 42, 46}	Adaptec AHA-2944UW ^{4, 5, 6, 7, 9} , QLogic QLA1041D ^{11, 12}	UWD	N	

HPQ – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
144	Proliant 8000 ^{17, 19}	PCI	Novell Netware: 5.00 SP6A ^{1, 2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ^{2, 3} , 5.10 SP6, 6.0 SP ^{1, 3, 42, 44} , 6.0 SP ^{2, 3, 42} , 6.0 SP ^{3, 42} , 6.5 ^{42, 46}	Adaptec AHA–2944UW ^{4, 5, 6, 7, 9} ; QLogic QLA1041D	UWD	N	
145	Netserver: LC 2000r, LH 3000, LH 6000; Proliant 8500	PCI	Novell Netware: 5.00 SP6A ^{1, 2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ^{2, 3} , 5.10 SP6, 6.0 SP ^{1, 3, 42, 44} , 6.0 SP ^{2, 3, 42} , 6.0 SP ^{3, 42} , 6.5 ^{42, 46}	Adaptec AHA–2944UW ^{4, 5, 6, 7, 9} ; QLogic QLA1041D ^{11, 12}	UWD	N	
146	Proliant ML370(G3)	PCI	Novell Netware: 5.00 SP6A ^{1, 2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ^{2, 3} , 5.10 SP6, 6.0 SP ^{1, 3, 42, 44} , 6.0 SP ^{2, 3, 42} , 6.0 SP ^{3, 42} , 6.5 ^{42, 46}	QLogic QLA1041D	UWD	N	See ²⁵
147	Netserver LH: (LH Pro), 4, II, III; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{17, 18} , 1850 ¹⁷ , 2500 ¹⁷ , 3000 ¹⁷ , 5000 ¹⁷ , 5500 ^{17, 19} , 6000 ^{17, 19} , 6400R ¹⁷ , 6500 ^{17, 19} , 7000 ^{17, 19} , 8501 ¹⁷ , DL320 ¹⁷ , DL360 ¹⁷ , DL380(G2) ¹⁷ , DL380 ¹⁷ , DL580(G2) ¹⁷ , DL580 ¹⁷ , ML350 ¹⁷ , ML370(G2), ML370 ¹⁷ , ML530 ¹⁷ , ML570 ¹⁷	PCI	Novell Netware: 5.00 SP6A ^{1, 2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ^{2, 3} , 5.10 SP6, 6.0 SP ^{1, 3, 42, 44} , 6.0 SP ^{2, 3, 42} , 6.0 SP ^{3, 42} , 6.5 ^{42, 46}	QLogic QLA1041D ^{11, 12}	UWD	N	
148	Netserver LC 2000 U3	PCI	Novell Netware: 5.00 SP6A ^{1, 2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 6.0 SP ^{1, 3, 42, 44} , 6.0 SP ^{2, 3, 42} , 6.0 SP ^{3, 42} , 6.5 ^{42, 46}	Adaptec AHA–2944UW ^{4, 5, 6, 7, 9} ; QLogic QLA1041D ^{11, 12}	UWD	N	See ²⁵
149	Netserver LT 6000R	PCI	Novell Netware: 5.00 SP6A ^{1, 2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 6.0 SP ^{1, 3, 42, 44} , 6.0 SP ^{2, 3, 42} , 6.0 SP ^{3, 42} , 6.5 ^{42, 46}	QLogic QLA1041D ^{11, 12}	UWD	N	See ²⁵
150	Netserver LH PRO	PCI	Novell Netware: 5.00 SP6A ^{2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ^{1, 2, 3} , 5.10 SP6, 6.0 SP ^{1, 3, 42, 44} , 6.0 SP ^{2, 3, 42} , 6.0 SP ^{3, 42} , 6.5 ^{42, 46}	Adaptec AHA–2944UW ^{4, 5, 6, 7} ; QLogic QLA1041D ^{11, 12}	UWD	N	
151	Proliant ML370(G3)	PCI	Novell Netware: 5.00 SP6A ^{2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ³ , 5.10 SP6, 6.0 SP ^{1, 3, 42, 44} , 6.0 SP ^{2, 3, 42} , 6.0 SP ^{3, 42} , 6.5 ^{42, 46}	Adaptec AHA–2944UW ^{5, 6}	UWD	N	See ²⁵
152	Netserver LP 2000r; Proliant: DL360(G2) ¹⁷ , DL380(G3), ML350(G2) ¹⁷ , ML350(G3), ML530(G2) ¹⁷	PCI	Novell Netware: 5.00 SP6A ^{2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ³ , 5.10 SP6, 6.0 SP ^{1, 3, 42, 44} , 6.0 SP ^{2, 3, 42} , 6.0 SP ^{3, 42} , 6.5 ^{42, 46}	QLogic QLA1041D	UWD	N	
153	Proliant ML750 ³²	PCI	Novell Netware: 5.00 SP6A ^{2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ³ , 5.10 SP6, 6.0 SP ^{1, 3, 42, 44} , 6.0 SP ^{2, 3, 42} , 6.0 SP ^{3, 42} , 6.5 ^{42, 46}	QLogic QLA1041D	UWD	N	See ²⁵
154	Netserver LT 6000R; Proliant: DL320 ¹⁷ , ML370(G2), ML370(G3)	PCI	Novell Netware: 5.10 SP2A ^{2, 3} , 6.0 SP ^{1, 3, 42, 44} , 6.0 SP ^{2, 3, 42} , 6.0 SP ^{3, 42}	Adaptec AHA–2944UW ^{4, 5, 6, 7, 9}	UWD	Y ^{1, 14} , 15, 36, 37, 38, 39, 40, 41	See ²⁵
155	Proliant DL580(G2) ¹⁷	PCI	Novell Netware: 5.10 SP2A ^{2, 3} , 6.0 SP ^{1, 3, 42, 44} , 6.0 SP ^{2, 3, 42} , 6.0 SP ^{3, 42}	Adaptec AHA–2944UW ^{4, 5, 6, 7, 9}	UWD	Y ^{1, 14} , 15, 36, 37, 38, 39, 40, 41	
156	Proliant: DL760 (G2), DL760 ¹⁷ , ML570(G2)	PCI-X	Novell Netware 5.00 SP6A ^{1, 2, 3, 42, 43}	Adaptec AHA–2944UW ^{4, 5, 6, 7, 9}	UWD	Y ^{14, 36} , 37, 38, 39, 40, 41	
157	Proliant DL360(G3)	PCI-X	Novell Netware 5.00 SP6A ^{2, 3, 42, 43}	Adaptec AHA–2944UW ^{5, 6, 7}	UWD	Y ^{1, 14} , 36, 37, 38, 39, 40, 41	
158	Proliant: DL760 (G2), DL760 ¹⁷ , ML570(G2)	PCI-X	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ^{2, 3} , SP6; Novell Netware 6.0: SP ^{1, 3, 42, 44} , SP ^{2, 3, 42} , SP ^{3, 42}	Adaptec AHA–2944UW ^{4, 5, 6, 7, 9}	UWD	Y ^{1, 14} , 15, 36, 37, 38, 39, 40, 41	
159	Proliant DL360(G3)	PCI-X	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ³ , SP6; Novell Netware 6.0: SP ^{1, 3, 42, 44} , SP ^{2, 3, 42} , SP ^{3, 42}	Adaptec AHA–2944UW ^{5, 6, 7}	UWD	Y ^{1, 14} , 15, 36, 37, 38, 39, 40, 41	
160	Proliant: DL760 (G2), DL760 ¹⁷ , ML570(G2)	PCI-X	Novell Netware 6.5 ^{42, 46}	Adaptec AHA–2944UW ^{4, 5, 6, 7, 9}	UWD	N	
161	Proliant DL360(G3)	PCI-X	Novell Netware 6.5 ^{42, 46}	Adaptec AHA–2944UW ^{5, 6, 7}	UWD	N	
162	Proliant ML570(G2)	PCI-X	Novell Netware: 5.00 SP6A ^{1, 2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ^{2, 3} , 5.10 SP6, 6.0 SP ^{1, 3, 42, 44} , 6.0 SP ^{2, 3, 42} , 6.0 SP ^{3, 42} , 6.5 ^{42, 46}	QLogic QLA1041D	UWD	N	
163	Proliant: DL760 (G2), DL760 ¹⁷	PCI-X	Novell Netware: 5.00 SP6A ^{1, 2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ^{2, 3} , 5.10 SP6, 6.0 SP ^{1, 3, 42, 44} , 6.0 SP ^{2, 3, 42} , 6.0 SP ^{3, 42} , 6.5 ^{42, 46}	QLogic QLA1041D ^{11, 12}	UWD	N	
164	Proliant DL360(G3)	PCI-X	Novell Netware: 5.00 SP6A ^{2, 3, 42, 43} , 5.10 SP2A ^{2, 3} , 5.10 SP5 ³ , 5.10 SP6, 6.0 SP ^{1, 3, 42, 44} , 6.0 SP ^{2, 3, 42} , 6.0 SP ^{3, 42} , 6.5 ^{42, 46}	QLogic QLA1041D	UWD	N	
165	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ^{1, 2, 3, 42, 43}	Adaptec AHA–2944UW ^{4, 5, 6, 7, 9}	UWD	Y ^{14, 36} , 37, 38, 39, 40, 41	
166	Proliant DL380(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ^{1, 2, 3, 42, 43}	Adaptec AHA–2944UW ^{5, 6, 7}	UWD	Y ^{14, 36} , 37, 38, 39, 40, 41	
167	Proliant DL380(G3)	PCI, PCI-X	Novell Netware 5.10: SP2A ^{2, 3} , SP5 ^{2, 3} , SP6	Adaptec AHA–2944UW ^{5, 6, 7}	UWD	Y ^{1, 14} , 15, 36, 37, 38, 39, 40, 41	

HPQ – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
168	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP5 ^{2, 3} , SP6	Adaptec AHA-2944UW ^{5, 6, 7}	UWD	Y ^{1, 14} , 15, 36, 37, 38, 39, 40, 41	
169	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.5 ^{42, 46}	Adaptec AHA-2944UW ^{4, 5, 6, 7, 9}	UWD	N	
170	Proliant DL580(G3)	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{1, 2, 3, 42, 43} , 5.10 SP2A ^{2, 3, 5, 10} , SP5 ^{2, 3} , 5.10 SP6, 6.0 SP ^{1, 3, 42, 44} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴² , 6.5 ^{42, 46}	QLogic QLA1041D ^{11, 12}	UWD	N	
171	Proliant DL580(G3)	PCI, PCI-X	Novell Netware: 5.10 SP2A ^{2, 3} , 6.0 SP ^{1, 3, 42, 44} , 6.0 SP2 ^{3, 42} , 6.0 SP3 ⁴²	Adaptec AHA-2944UW ^{4, 5, 6, 7, 9}	UWD	Y ^{1, 14} , 15, 36, 37, 38, 39, 40, 41	

- Novell 5.00 OS only supports the Host Adapter Module (HAM) driver.
- Symmetrix 8000 Series: 66/67 support at NetWare 4.11, 5.x, 5568 support at Netware 5.1.
- Maximum number of NWFS volumes that can be mounted is 64.
- Requires BIOS v2.20.
- Driver for Adaptec available at: <http://www.adaptec.com/worldwide/support/suppyproduct.html?cat=/Technology/SCSI+Host+Adapters&fromPage=driverindex>
- Requires Legacy PCI slot (not available on most new servers.)**
- Driver Version v8.1 or higher.
- (Adaptec AHA-2944UW)
- Netware 5.1 SP4 and 6.0 SP1 require BIOS 2.20. Requires "SCAN ALL LUNS" in AUTOEXEC.NCF just before the Mount All statement.
- AHA-2944W is no longer available in distribution channels.**
- Requires BIOS rev 6.26, available at <http://www.qlogic.com>
- Driver Version 1.27.
- Supports FC-AL point-to-point only.
- When installing NetWare for fabric boot (when operating system is not installed in the local host) on the Symmetrix, create only one LUN and then perform the install. To install a second server that will be fabric boot, repeat the process by creating one additional LUN and then loading the operating system to it. Continue this process until the desired number of fabric boot servers have been reached. Conditions exist where several LUNs are initially created and you perform your first install, NetWare will sometimes acquire and stripe the operating system across several of the newly created LUNs.
- NetWare boot support is contingent on migration of the DOS boot partition to an NSS partition. NetWare will warn you of the possibility of data corruption if you convert the DOS boot partition to an NSS partition. The risk of data corruption is during I/O to the C: drive while in the NetWare debugger, or while writing reboot log files during an "Auto Restart After Abend". When you load DOSFAT, please set "Auto Restart After Abend" to 0 to avoid the possibility of data corruption.
- Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.**
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- Includes both Pentium PRO and XEON models
- Edit config.sys with the following: Files=100 Buffers=99
- To enable failover with fabric boot DOSFAT.NSS must be loaded from the autoexec.ncf. In a failed condition the c:\ partition will not failover correctly but the DOSFAT_C: partition will.
- Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.
- Driver Version 6.51a.
- Symmetrix 8000 Series: 66/67 support at NetWare 5.x, 5568 support at Netware 5.1.
- (HHBA-5101BK-01)
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Driver Version 2.00E or higher. Requires NetWare 5.1 support pack 3 or higher.
- Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
- Driver Version v6.51a.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- PowerPath not currently supported.
- Requires BIOS version 2.02e.
- Driver Version 3.90a7.
- DOS boot device maximum accessible capacity is 2GB. Netware SYS volume must be in LUN 0.
- Requires HAM driver and BIOS 2.20. The driver is available on the EMC intranet (<http://iqweb.lss.emc.com>).
- EMC engineering recommends that customers do not combine or share a Netware SYS volume and data volumes on the same Symmetrix logical device.
- Consult the EMC customer support center for a detailed Netware Symmetrix boot installation procedure.
- Requires SP4 on Netware 5.1.
- Requires "SCAN ALL LUNS" in AUTOEXEC.NCF just before the "Mount All" statement.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- Requires NWPANLM V.3.07A update from Novell website.
- PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.
- HP NetServer LC2000 is only supported with two processors.Uni-Processor configurations are not supported
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
- Firmware Version 1.34.

IBM

IBM – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netfinity 8500	PCI	Novell Netware 5.00 SP6A ^{1, 23}	QLogic QLA2100F-EMC ²	FC-AL	Y	
2	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	Novell Netware 6.5 ^{20, 32}	QLogic QLA2100F-EMC ²	FC-AL	N	
3	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7} , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	QLogic QLA2100F-EMC ²	FC-AL	Y	
4	xSeries x440	PCI-X	Novell Netware 5.10: SP5 ¹ , SP6	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-AL	Y	
5	xSeries: x360, x440	PCI-X	Novell Netware 6.5 ^{20, 32}	QLogic QLA2100F-EMC ²	FC-AL	N	
6	xSeries x360	PCI-X	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7} , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	QLogic QLA2100F-EMC ²	FC-AL	Y	
7	xSeries x440	PCI-X	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7} , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	QLogic QLA2100F-EMC ²	FC-AL	Y	

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
8	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP5 ¹ , SP6	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-AL	Y
9	xSeries x445	PCI, PCI-X	Novell Netware 6.5 ^{20, 32}	QLogic QLA2100F-EMC ²	FC-AL	N
10	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 5, 10} SP5 ^{1, 5, 10} SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	QLogic QLA2100F-EMC ²	FC-AL	Y
11	Netfinity 8500R	PCI	Novell Netware 5.00 SP6A ^{1, 7, 20, 23}	QLogic: QLA2200F-EMC ^{2, 5, 6} , QLA2300F-E-SP ^{5, 9} , QLA2310F-E-SP ^{5, 9, 10} , QLA2340-E-SP ^{5, 9, 10} , QLA2342-E-SP ^{5, 9, 10}	FC-AL, FC-SW	Y
12	Netfinity 8500	PCI	Novell Netware 5.00 SP6A ^{1, 7, 20, 23}	QLogic: QLA2200F-EMC ^{2, 6} , QLA2310F-E-SP ^{5, 9, 10} , QLA2340-E-SP ^{9, 10} , QLA2342-E-SP ^{5, 9, 10}	FC-AL, FC-SW	Y
13	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware 5.00 SP6A ^{1, 7, 20, 23}	QLogic: QLA2200F-EMC ^{5, 6} , QLA2300F-E-SP ^{5, 9} , QLA2310F-E-SP ^{5, 9, 10} , QLA2340-E-SP ^{5, 9, 10} , QLA2342-E-SP ^{5, 9, 10}	FC-AL, FC-SW	Y
14	xSeries x345	PCI	Novell Netware 5.00 SP6A ^{1, 7, 20, 23}	QLogic: QLA2200F-EMC ⁶ , QLA2300F-E-SP ^{5, 9} , QLA2310F-E-SP ^{5, 9, 10} , QLA2340-E-SP ^{5, 9, 10} , QLA2342-E-SP ^{5, 9, 10}	FC-AL, FC-SW	Y
15	Netfinity 8500R	PCI	Novell Netware 5.10 SP2A ^{1, 7}	QLogic: QLA2200F-EMC ^{2, 4, 6} , QLA2340-E-SP ^{4, 9, 10}	FC-AL, FC-SW	Y
16	Netfinity 8500	PCI	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ^{1, 8} , SP6; Novell Netware 6.0: SP1 ^{1, 20, 21, 26} , SP2 ^{1, 20, 26} , SP3 ²⁰	QLogic: QLA2200F-EMC ^{2, 4, 6} , QLA2310F-E-SP ^{4, 5, 9, 10} , QLA2342-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
17	xSeries X342	PCI	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ^{1, 8} , SP6; Novell Netware 6.0: SP1 ^{1, 20, 21} , SP2 ^{1, 20} , SP3 ²⁰	QLogic QLA2310F-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
18	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600; xSeries: X330, X340 (4500R), x230, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ^{1, 8} , SP6; Novell Netware 6.0: SP1 ^{1, 20} , SP2 ^{1, 20} , SP3 ²⁰	QLogic QLA2310F-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
19	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600; xSeries: X330, X340 (4500R), x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 20, 21} , SP2 ^{1, 20} , SP3 ²⁰	QLogic QLA2300F-E-SP ^{4, 5, 9}	FC-AL, FC-SW	Y
20	xSeries X342	PCI	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 20, 21} , SP2 ^{1, 20} , SP3 ²⁰	QLogic: QLA2200F-EMC ^{4, 5, 6} , QLA2300F-E-SP ^{4, 5, 9} , QLA2340-E-SP ^{4, 5, 9, 10} , QLA2342-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
21	xSeries x345	PCI	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 20, 21} , SP2 ^{1, 20} , SP3 ²⁰	QLogic: QLA2200F-EMC ^{4, 6} , QLA2300F-E-SP ^{4, 5, 9} , QLA2310F-E-SP ^{4, 5, 9, 10} , QLA2340-E-SP ^{4, 5, 9, 10} , QLA2342-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
22	xSeries x255	PCI	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 20, 21} , SP2 ^{1, 20} , SP3 ²⁰	QLogic: QLA2300F-E-SP ^{4, 5, 9} , QLA2310F-E-SP ^{4, 5, 9, 10} , QLA2340-E-SP ^{4, 5, 9, 10} , QLA2342-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
23	Netfinity 8500R	PCI	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 20, 21} , SP2 ^{1, 20} , SP3 ²⁰	QLogic: QLA2310F-E-SP ^{4, 5, 9, 10} , QLA2342-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
24	xSeries x232	PCI	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 20} , SP2 ^{1, 20} , SP3 ²⁰	QLogic QLA2342-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
25	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600; xSeries: X330, X340 (4500R), x230, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 20} , SP2 ^{1, 20} , SP3 ²⁰	QLogic: QLA2340-E-SP ^{4, 5, 9, 10} , QLA2342-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
26	Netfinity 8500	PCI	Novell Netware 5.10: SP5 ^{1, 8} , SP6	QLogic QLA2340-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
27	Netfinity 8500R	PCI	Novell Netware 5.10: SP5 ^{1, 8} , SP6; Novell Netware 6.0: SP1 ^{1, 20, 21, 26} , SP2 ^{1, 20, 26} , SP3 ²⁰	QLogic QLA2200F-EMC ^{2, 4, 5, 6}	FC-AL, FC-SW	Y
28	xSeries X335	PCI	Novell Netware 5.10: SP5 ^{1, 8} , SP6; Novell Netware 6.0: SP1 ^{1, 20} , SP2 ^{1, 20} , SP3 ²⁰	QLogic QLA2310F-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
29	xSeries x255	PCI	Novell Netware 5.10: SP5 ¹ , SP6	QLogic QLA2200F-EMC ^{4, 6}	FC-AL, FC-SW	Y
30	xSeries x232	PCI	Novell Netware 5.10: SP5 ¹ , SP6	QLogic: QLA2310F-E-SP ^{4, 9, 10} , QLA2340-E-SP ^{4, 9, 10}	FC-AL, FC-SW	Y
31	xSeries X335	PCI	Novell Netware 5.10: SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 20, 21} , SP2 ^{1, 20} , SP3 ²⁰	IBM: 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31}	FC-AL, FC-SW	Y
32	Netfinity 8500R	PCI	Novell Netware 5.10: SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 20, 21} , SP2 ^{1, 20} , SP3 ²⁰	QLogic: QLA2300F-E-SP ^{4, 5, 9} , QLA2340-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
33	xSeries X335	PCI	Novell Netware 5.10: SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 20} , SP2 ^{1, 20} , SP3 ²⁰	QLogic: QLA2340-E-SP ^{4, 5, 9, 10} , QLA2342-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
34	Netfinity 8500R	PCI	Novell Netware 6.5 ^{20, 32}	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13} IBM: 00N6881 (QLA2200) ^{2, 5, 27} , 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31} ; QLogic: QLA2200F-EMC ^{2, 4, 5, 6} , QLA2202F-EMC ^{2, 5, 6} , QLA2300F-E-SP ^{4, 5, 9} , QLA2310F-E-SP ^{4, 5, 9, 10, 33} , QLA2340-E-SP ^{4, 10, 33} , QLA2342-E-SP ^{4, 10, 33}	FC-AL, FC-SW	N
35	xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 6.5 ^{20, 32}	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13} IBM: 00N6881 (QLA2200) ^{2, 5, 27} , 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31} ; QLogic: QLA2200F-EMC ^{4, 5, 6} , QLA2202F-EMC ^{2, 5, 6} , QLA2300F-E-SP ^{4, 5, 9} , QLA2310F-E-SP ^{4, 5, 9, 10, 33} , QLA2340-E-SP ^{4, 10, 33} , QLA2342-E-SP ^{4, 10, 33}	FC-AL, FC-SW	N
36	xSeries x255	PCI	Novell Netware 6.5 ^{20, 32}	Emulex LP9002-E (LP9002L-E) ^{12, 13} IBM: 00N6881 (QLA2200) ^{2, 5, 27} , 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31} ; QLogic: QLA2200F-EMC ^{4, 5, 6} , QLA2202F-EMC ^{2, 5, 6} , QLA2300F-E-SP ^{4, 5, 9} , QLA2310F-E-SP ^{4, 5, 9, 10, 33} , QLA2340-E-SP ^{4, 10, 33} , QLA2342-E-SP ^{4, 10, 33}	FC-AL, FC-SW	N
37	Netfinity 8500	PCI	Novell Netware 6.5 ^{20, 32}	IBM: 00N6881 (QLA2200) ^{2, 5, 27} , 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31} ; QLogic: QLA2200F-EMC ^{2, 4, 6} , QLA2202F-EMC ^{2, 5, 6} , QLA2310F-E-SP ^{4, 5, 9, 10, 33} , QLA2340-E-SP ^{4, 10, 33} , QLA2342-E-SP ^{4, 10, 33}	FC-AL, FC-SW	N
38	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600	PCI	Novell Netware 6.5 ^{20, 32}	IBM: 00N6881 (QLA2200) ^{2, 5, 27} , 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31} ; QLogic: QLA2200F-EMC ^{4, 5, 6} , QLA2202F-EMC ^{2, 5, 6} , QLA2300F-E-SP ^{4, 5, 9} , QLA2310F-E-SP ^{4, 5, 9, 10, 33} , QLA2340-E-SP ^{4, 10, 33} , QLA2342-E-SP ^{4, 10, 33}	FC-AL, FC-SW	N
39	xSeries X335	PCI	Novell Netware 6.5 ^{20, 32}	IBM: 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31} ; QLogic: QLA2310F-E-SP ^{4, 5, 9, 10, 33} , QLA2340-E-SP ^{4, 10, 33} , QLA2342-E-SP ^{4, 10, 33}	FC-AL, FC-SW	N
40	xSeries x345	PCI	Novell Netware 6.5 ^{20, 32}	QLogic: QLA2200F-EMC ^{4, 6} , QLA2202F-EMC ^{2, 5, 6} , QLA2300F-E-SP ^{4, 5, 9} , QLA2310F-E-SP ^{4, 5, 9, 10, 33} , QLA2340-E-SP ^{4, 10, 33} , QLA2342-E-SP ^{4, 10, 33}	FC-AL, FC-SW	N
41	Netfinity 8500R	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 22, 23} , 5.10 SP2A ^{1, 7, 5, 10} SP5 ^{1, 7, 8} , 5.10 SP6, 6.0 SP1 ^{1, 20, 21, 26} , 6.0 SP2 ^{1, 20, 26} , 6.0 SP3 ²⁰	QLogic QLA2202F-EMC ^{2, 5, 6}	FC-AL, FC-SW	Y
42	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x350 (6000R), x370	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 22, 23} , 5.10 SP2A ^{1, 7, 5, 10} SP5 ^{1, 7, 5, 10} SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	QLogic QLA2202F-EMC ^{2, 5, 6}	FC-AL, FC-SW	Y
43	Netfinity 8500	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 5, 10} SP5 ^{1, 8} , 5.10 SP6, 6.0 SP1 ^{1, 20, 21, 26} , 6.0 SP2 ^{1, 20, 26} , 6.0 SP3 ²⁰	IBM: 00N6881 (QLA2200) ^{2, 5, 27} , 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31} ; QLogic QLA2202F-EMC ^{2, 5, 6}	FC-AL, FC-SW	Y
44	xSeries: X330, X340 (4500R), X342, x230, x240, x250, x350 (6000R), x370	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 5, 10} SP5 ^{1, 5, 10} SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13} IBM: 00N6881 (QLA2200) ^{2, 5, 27} , 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31}	FC-AL, FC-SW	Y
45	xSeries x232	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 5, 10} SP5 ^{1, 5, 10} SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13} IBM: 00N6881 (QLA2200) ^{2, 5, 27} , 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31} ; QLogic QLA2202F-EMC ^{2, 5, 6}	FC-AL, FC-SW	Y
46	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600, 8500R	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 5, 10} SP5 ^{1, 5, 10} SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	IBM: 00N6881 (QLA2200) ^{2, 5, 27} , 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31}	FC-AL, FC-SW	Y
47	xSeries x255	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 5, 10} SP5 ^{1, 5, 10} SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	IBM: 00N6881 (QLA2200) ^{2, 5, 27} , 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31} ; QLogic QLA2202F-EMC ^{2, 5, 6}	FC-AL, FC-SW	Y
48	xSeries x345	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 5, 10} SP5 ^{1, 5, 10} SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	QLogic QLA2202F-EMC ^{2, 5, 6}	FC-AL, FC-SW	Y
49	xSeries x255	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 6.0} SP1 ^{1, 20} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	Emulex LP9002-E (LP9002L-E) ^{12, 13}	FC-AL, FC-SW	Y
50	Netfinity 8500R	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP5 ^{1, 5, 10} SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13}	FC-AL, FC-SW	Y
51	Netfinity 8500	PCI	Novell Netware: 5.10 SP2A ^{1, 7, 6.0} SP1 ^{1, 20, 21, 26} , 6.0 SP2 ^{1, 20, 26} , 6.0 SP3 ²⁰	QLogic QLA2340-E-SP ^{4, 9, 10}	FC-AL, FC-SW	Y
52	xSeries x255	PCI	Novell Netware: 5.10 SP2A ^{1, 7, 6.0} SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-AL, FC-SW	Y
53	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600; xSeries: X330, X340 (4500R), x230, x240, x250, x350 (6000R), x370	PCI	Novell Netware: 5.10 SP2A ^{1, 7, 6.0} SP1 ^{1, 20} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-AL, FC-SW	Y
54	xSeries x232	PCI	Novell Netware: 5.10 SP2A ^{1, 7, 6.0} SP1 ^{1, 20} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	QLogic: QLA2200F-EMC ^{4, 5, 6} , QLA2310F-E-SP ^{4, 5, 9, 10} , QLA2340-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
55	xSeries x360	PCI-X	Novell Netware 5.00 SP6A ^{1, 7, 20, 23}	QLogic: QLA2200F-EMC ^{5, 6} , QLA2300F-E-SP ^{5, 9} , QLA2310F-E-SP ^{5, 9, 10} , QLA2340-E-SP ^{5, 9, 10} , QLA2342-E-SP ^{5, 9, 10}	FC-AL, FC-SW	Y
56	xSeries x440	PCI-X	Novell Netware 5.00 SP6A ^{1, 7, 20, 23}	QLogic: QLA2200F-EMC ⁶ , QLA2300F-E-SP ^{5, 9} , QLA2310F-E-SP ^{5, 9, 10} , QLA2340-E-SP ^{5, 9, 10} , QLA2342-E-SP ^{5, 9, 10}	FC-AL, FC-SW	Y
57	xSeries x440	PCI-X	Novell Netware 5.10 SP2A ^{1, 7, 20, 23}	IBM: 19K1246(QLA2310) ^{5, 9, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 9, 31}	FC-AL, FC-SW	Y

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
58	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ^{1, 7, 20, 23} , SP5 ^{1, 7, 20, 23} , SP6; Novell Netware 6.0: SP1 ^{1, 20, 21} , SP2 ^{1, 20} , SP3 ²⁰	IBM 00N6881 (QLA2200) ^{2, 5, 27}	FC-AL, FC-SW	Y
59	xSeries x360	PCI-X	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ^{1, 8} , SP6; Novell Netware 6.0: SP1 ^{1, 20, 21} , SP2 ^{1, 20} , SP3 ²⁰	QLogic QLA2310F-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
60	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ^{1, 8} , SP6; Novell Netware 6.0: SP1 ^{1, 20} , SP2 ^{1, 20} , SP3 ²⁰	QLogic QLA2310F-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
61	xSeries x360	PCI-X	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 20, 21} , SP2 ^{1, 20} , SP3 ²⁰	QLogic: QLA2200F-EMC ^{4, 5, 6} , QLA2300F-E-SP ^{4, 5, 9} , QLA2340-E-SP ^{4, 5, 9, 10} , QLA2342-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
62	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 20} , SP2 ^{1, 20} , SP3 ²⁰	QLogic: QLA2340-E-SP ^{4, 5, 9, 10} , QLA2342-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
63	xSeries x360	PCI-X	Novell Netware 5.10: SP5 ¹ , SP6	IBM: 19K1246(QLA2310) ^{5, 9, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 9, 31}	FC-AL, FC-SW	Y
64	xSeries x440	PCI-X	Novell Netware 5.10: SP5 ¹ , SP6	IBM: 19K1246(QLA2310) ^{9, 28} , 24P0960(QLA2340) ^{9, 31}	FC-AL, FC-SW	Y
65	xSeries x440	PCI-X	Novell Netware 6.0: SP1 ^{1, 20, 21} , SP2 ^{1, 20} , SP3 ²⁰	IBM: 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31}	FC-AL, FC-SW	Y
66	xSeries: x360, x440	PCI-X	Novell Netware 6.5 ^{20, 32}	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13} ; IBM: 00N6881 (QLA2200) ^{2, 5, 27} , 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31} ; QLogic: QLA2200F-EMC ^{4, 5, 6} , QLA2202F-EMC ^{2, 5, 6} , QLA2300F-E-SP ^{4, 5, 9} , QLA2310F-E-SP ^{4, 5, 9, 10, 33} , QLA2340-E-SP ^{4, 10, 33} , QLA2342-E-SP ^{4, 10, 33}	FC-AL, FC-SW	N
67	xSeries x440	PCI-X	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 20, 23}	IBM: 19K1246(QLA2310) ²⁸ , 24P0960(QLA2340) ³¹	FC-AL, FC-SW	Y
68	xSeries x440	PCI-X	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 20, 23} , 5.10 SP5 ^{1, 7, 20, 23} , 5.10 SP6	IBM 00N6881 (QLA2200) ²⁷	FC-AL, FC-SW	Y
69	xSeries x360	PCI-X	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 5, 10} SP5 ^{1, 5, 10} SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13} ; IBM 00N6881 (QLA2200) ^{2, 5, 27} ; QLogic QLA2202F-EMC ^{2, 5, 6}	FC-AL, FC-SW	Y
70	xSeries x440	PCI-X	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 5, 10} SP5 ^{1, 5, 10} SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13} ; QLogic QLA2202F-EMC ^{2, 5, 6}	FC-AL, FC-SW	Y
71	xSeries x360	PCI-X	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 6, 0} SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	IBM: 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31}	FC-AL, FC-SW	Y
72	xSeries x440	PCI-X	Novell Netware: 5.10 SP2A ^{1, 7, 6, 0} SP1 ^{1, 20} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	QLogic: QLA2200F-EMC ^{4, 5, 6} , QLA2300F-E-SP ^{4, 5, 9}	FC-AL, FC-SW	Y
73	xSeries x445	PCI, PCI-X	Novell Netware 5.00 SP6A ^{1, 7, 20, 23}	IBM: 00N6881 (QLA2200) ²⁷ , 19K1246(QLA2310) ²⁸ , 24P0960(QLA2340) ³¹ ; QLogic: QLA2200F-EMC ⁶ , QLA2300F-E-SP ^{5, 9} , QLA2310F-E-SP ^{5, 9, 10} , QLA2340-E-SP ^{5, 9, 10} , QLA2342-E-SP ^{5, 9, 10}	FC-AL, FC-SW	Y
74	xSeries x445	PCI, PCI-X	Novell Netware 5.10 SP2A ^{1, 7, 20, 23}	IBM: 19K1246(QLA2310) ^{5, 9, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 9, 31}	FC-AL, FC-SW	Y
75	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP2A ^{1, 7, 20, 23} , SP5 ^{1, 7, 20, 23} , SP6; Novell Netware 6.0: SP1 ^{1, 20, 21} , SP2 ^{1, 20} , SP3 ²⁰	IBM 00N6881 (QLA2200) ^{2, 5, 27}	FC-AL, FC-SW	Y
76	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ^{1, 8} , SP6; Novell Netware 6.0: SP1 ^{1, 20} , SP2 ^{1, 20} , SP3 ²⁰	QLogic QLA2310F-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
77	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 20} , SP2 ^{1, 20} , SP3 ²⁰	QLogic: QLA2340-E-SP ^{4, 5, 9, 10} , QLA2342-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
78	xSeries x345	PCI, PCI-X	Novell Netware 5.10: SP5 ^{1, 8} , SP6	QLogic QLA2310F-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
79	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP5 ¹ , SP6	IBM: 19K1246(QLA2310) ^{9, 28} , 24P0960(QLA2340) ^{9, 31}	FC-AL, FC-SW	Y
80	xSeries x345	PCI, PCI-X	Novell Netware 5.10: SP5 ¹ , SP6	QLogic: QLA2340-E-SP ^{4, 5, 9, 10} , QLA2342-E-SP ^{4, 5, 9, 10}	FC-AL, FC-SW	Y
81	xSeries x445	PCI, PCI-X	Novell Netware 6.0: SP1 ^{1, 20, 21} , SP2 ^{1, 20} , SP3 ²⁰	IBM: 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31}	FC-AL, FC-SW	Y
82	xSeries x445	PCI, PCI-X	Novell Netware 6.5 ^{20, 32}	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13} ; IBM: 00N6881 (QLA2200) ^{2, 5, 27} , 19K1246(QLA2310) ^{5, 28, 29, 30} , 24P0960(QLA2340) ^{2, 5, 31} ; QLogic: QLA2200F-EMC ^{4, 5, 6} , QLA2202F-EMC ^{2, 5, 6} , QLA2300F-E-SP ^{4, 5, 9} , QLA2310F-E-SP ^{4, 5, 9, 10, 33} , QLA2340-E-SP ^{4, 10, 33} , QLA2342-E-SP ^{4, 10, 33}	FC-AL, FC-SW	N
83	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 5, 10} SP5 ^{1, 5, 10} SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13} ; QLogic QLA2202F-EMC ^{2, 5, 6}	FC-AL, FC-SW	Y
84	xSeries x445	PCI, PCI-X	Novell Netware: 5.10 SP2A ^{1, 7} , 6.0 SP1 ^{1, 20} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	QLogic: QLA2200F-EMC ^{4, 5, 6} , QLA2300F-E-SP ^{4, 5, 9}	FC-AL, FC-SW	Y
85	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.00 SP6A ^{1, 7, 20, 23}	QLogic QLA2200F-EMC ^{5, 6}	FC-SW	Y

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
86	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600; xSeries: X330, X340 (4500R), x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP2A ^{1, 7} , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 20, 21} , SP2 ^{1, 20} , SP3 ²⁰	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-SW	Y
87	Netfinity 8500R	PCI	Novell Netware 5.10: SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 20, 21} , SP2 ^{1, 20} , SP3 ²⁰	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-SW	Y
88	xSeries: x255, x345	PCI	Novell Netware 6.5 ^{20, 32}	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13}	FC-SW	N
89	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 6.5 ^{20, 32}	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-SW	N
90	xSeries: x255, x345	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7} , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13}	FC-SW	Y
91	xSeries x440	PCI-X	Novell Netware 6.5 ^{20, 32}	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-SW	N
92	xSeries x440	PCI-X	Novell Netware: 5.10 SP2A ^{1, 7} , 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-SW	Y
93	xSeries x445	PCI, PCI-X	Novell Netware 6.5 ^{20, 32}	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-SW	N
94	xSeries x445	PCI, PCI-X	Novell Netware: 5.10 SP2A ^{1, 7} , 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-SW	Y
95	xSeries x232	PCI	Novell Netware 6.5 ^{20, 32}	Adaptec AHA-2944W	FWD	N
96	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x350 (6000R), x370	PCI	Novell Netware 6.5 ^{20, 32}	Adaptec AHA-2944W ^{15, 19}	FWD	N
97	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x350 (6000R), x370	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 22, 23} , 5.10 SP2A ^{1, 7} , 5.10 SP5 ^{1, 7} , 5.10 SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	Adaptec AHA-2944W ^{15, 19}	FWD	Y
98	Netfinity 8500R	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 22, 23} , 5.10 SP5 ^{1, 7} , 5.10 SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	Adaptec AHA-2944W ^{15, 19}	FWD	Y
99	xSeries x232	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7} , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	Adaptec AHA-2944W	FWD	Y
100	xSeries x440	PCI-X	Novell Netware 6.0: SP2 ^{1, 20} , SP3 ²⁰	Adaptec AHA-2944W	FWD	Y
101	xSeries x440	PCI-X	Novell Netware 6.5 ^{20, 32}	Adaptec AHA-2944W	FWD	N
102	xSeries x445	PCI, PCI-X	Novell Netware 6.0: SP2 ^{1, 20} , SP3 ²⁰	Adaptec AHA-2944W	FWD	Y
103	xSeries x445	PCI, PCI-X	Novell Netware 6.5 ^{20, 32}	Adaptec AHA-2944W	FWD	N
104	Netfinity 8500R	PCI	Novell Netware 5.10 SP2A ^{1, 7}	Adaptec AHA-2944UW ^{15, 16, 18} , QLogic QLA1041D	UWD	Y
105	xSeries x232	PCI	Novell Netware 6.5 ^{20, 32}	Adaptec AHA-2944UW ^{14, 15, 16, 17, 18} , QLogic QLA1041D	UWD	N
106	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x350 (6000R), x370	PCI	Novell Netware 6.5 ^{20, 32}	Adaptec AHA-2944UW ^{14, 15, 16, 17, 18} , QLogic QLA1041D ^{24, 25}	UWD	N
107	Netfinity 8500; xSeries x345	PCI	Novell Netware 6.5 ^{20, 32}	Adaptec AHA-2944UW ^{15, 16} , QLogic QLA1041D	UWD	N
108	xSeries x255	PCI	Novell Netware 6.5 ^{20, 32}	QLogic QLA1041D	UWD	N
109	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x350 (6000R), x370	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 22, 23} , 5.10 SP2A ^{1, 7} , 5.10 SP5 ^{1, 7} , 5.10 SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	Adaptec AHA-2944UW ^{14, 15, 16, 17, 18} , QLogic QLA1041D ^{24, 25}	UWD	Y
110	Netfinity 8500R	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 22, 23} , 5.10 SP5 ^{1, 7} , 5.10 SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	Adaptec AHA-2944UW ^{14, 15, 16, 17, 18} , QLogic QLA1041D ^{24, 25}	UWD	Y
111	Netfinity 8500	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7} , 5.10 SP5 ^{1, 8} , 5.10 SP6, 6.0 SP1 ^{1, 20, 21, 26} , 6.0 SP2 ^{1, 20, 26} , 6.0 SP3 ²⁰	Adaptec AHA-2944UW ^{15, 16} , QLogic QLA1041D	UWD	Y
112	xSeries x232	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7} , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	Adaptec AHA-2944UW ^{14, 15, 16, 17, 18} , QLogic QLA1041D	UWD	Y
113	xSeries x345	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7} , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	Adaptec AHA-2944UW ^{15, 16} , QLogic QLA1041D	UWD	Y
114	xSeries x255	PCI	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7} , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ^{1, 20, 21} , 6.0 SP2 ^{1, 20} , 6.0 SP3 ²⁰	QLogic QLA1041D	UWD	Y
115	xSeries x440	PCI-X	Novell Netware 6.0: SP2 ^{1, 20} , SP3 ²⁰	Adaptec AHA-2944UW ^{14, 15, 16, 17, 18}	UWD	Y
116	xSeries x360	PCI-X	Novell Netware 6.5 ^{20, 32}	Adaptec AHA-2944UW ^{15, 16, 18} , QLogic QLA1041D	UWD	N
117	xSeries x440	PCI-X	Novell Netware 6.5 ^{20, 32}	Adaptec: AHA-2944UW ^{14, 15, 16, 17, 18} , AHA-2944UW ^{15, 16} , QLogic QLA1041D	UWD	N

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
118	xSeries x360	PCI-X	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 5, 10} SP5 ^{1, 5, 10} SP6, 6.0 SP ^{1, 20, 21} , 6.0 SP ^{2, 1, 20} , 6.0 SP ^{3, 20}	Adaptec AHA-2944UW ^{15, 16, 18} , QLogic QLA1041D	UWD	Y
119	xSeries x440	PCI-X	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 5, 10} SP5 ^{1, 5, 10} SP6, 6.0 SP ^{1, 20, 21} , 6.0 SP ^{2, 1, 20} , 6.0 SP ^{3, 20}	Adaptec AHA-2944UW ^{15, 16} , QLogic QLA1041D	UWD	Y
120	xSeries x445	PCI, PCI-X	Novell Netware 6.0: SP ^{2, 1, 20} , SP ^{3, 20}	Adaptec AHA-2944UW ^{14, 15, 16, 17, 18}	UWD	Y
121	xSeries x445	PCI, PCI-X	Novell Netware 6.5 ^{20, 32}	Adaptec AHA-2944UW ^{14, 15, 16, 17, 18} , QLogic QLA1041D	UWD	N
122	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 5, 10} SP5 ^{1, 5, 10} SP6, 6.0 SP ^{1, 20, 21}	Adaptec AHA-2944UW ^{15, 16}	UWD	Y
123	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{1, 7, 20, 23} , 5.10 SP2A ^{1, 7, 5, 10} SP5 ^{1, 5, 10} SP6, 6.0 SP ^{1, 20, 21} , 6.0 SP ^{2, 1, 20} , 6.0 SP ^{3, 20}	QLogic QLA1041D	UWD	Y

- Maximum number of NWFS volumes that can be mounted is 64.
- Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- Driver Version 6.51a.
- Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.
- Symmetrix 8000 Series: 66/67 support at NetWare 4.11, 5.x, 5568 support at Netware 5.1.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Driver Version v6.51a.
- PowerPath not currently supported.
- Requires BIOS version 2.02e.
- Driver Version 3.90a7.
- Requires BIOS v2.20.
- Driver for Adaptec available at: <http://www.adaptec.com/worldwide/support/suppyproduct.html?cat=/Technology/SCSI+Host+Adapters&fromPage=driverindex>
- Requires Legacy PCI slot (not available on most new servers.)
- Netware 5.1 SP4 and 6.0 SP1 require BIOS 2.20. Requires "SCAN ALL LUNS" in AUTOEXEC.NCF just before the Mount All statement.
- Driver Version v8.1 or higher.
- AHA-2944W is no longer available in distribution channels.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.
- Novell 5.00 OS only supports the Host Adapter Module (HAM) driver.
- Requires NWPA.NLM V.3.07A update from Novell website.
- Driver Version 1.27.
- Requires BIOS rev 6.26, available at <http://www.qlogic.com>
- HPQ Proliant servers with ATF and Powerpath requires use of SCSIHD in place of CPQSHD.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- This HBA is equivalent to the qLogic QLA2310.
- Requires BIOS 1.34 available from QLogic at <http://www.qlogic.com>.
- Driver Version 6.50v.
- This HBA is equivalent to the qLogic QLA2340.
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.
- Firmware Version 1.34.

Red Hat Linux Dell

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge 1550 ¹⁶	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 3}	QLogic QLA2200F-EMC ¹⁵	FC-AL	Y ^{8, 9, 10}	
2	PowerEdge 1550 ¹⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 13} , v2.4.9-E.12 ^{2, 13} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ¹⁵	FC-AL	N	
3	PowerEdge 1550 ¹⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 13} , v2.4.9-E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 13} , v2.4.9-e.16 ^{2, 13} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F-EMC ¹⁵	FC-AL	Y ^{9, 10}	
4	PowerEdge 1550	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{2, 13}	QLogic QLA2200F-EMC ^{4, 5, 6, 7}	FC-AL, FC-SW	N	See ¹⁸
5	PowerEdge: 2300, 2400, 2450, 2500, 2550 ¹¹ , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic QLA2200F-EMC ^{4, 5, 6, 7}	FC-AL, FC-SW	Y ^{8, 9, 10}	
6	PowerEdge 1550	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic QLA2340-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	Y ^{8, 12}	
7	PowerEdge: 2300, 2400, 2450, 2500, 2550 ¹¹ , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic: QLA2310F-E-SP ^{4, 5, 6, 7} , QLA2340-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	Y ^{8, 12}	
8	PowerEdge 1550	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{2, 13}	QLogic QLA2200F-EMC ^{4, 5, 6, 7}	FC-AL, FC-SW	Y ^{9, 10}	See ¹⁴
9	PowerEdge 2550 ¹¹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 13} , v2.4.9-E.10 ^{2, 3, 13} , v2.4.9-E.12 ^{2, 13} , v2.4.9-E.16 ^{2, 13} , v2.4.9-E.3 ^{1, 2, 3} , v2.4.9-E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 13} , v2.4.9-e.16 ^{2, 13} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
10	PowerEdge 2550 ¹¹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 13} , v2.4.9–E.12 ^{2, 13}	QLogic: QLA2200F–EMC, QLA2310F–E–SP, QLA2340–E–SP	FC–AL, FC–SW	N	
11	PowerEdge 1550	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 13} , v2.4.9–E.12 ^{2, 13}	QLogic: QLA2310F–E–SP, QLA2340–E–SP	FC–AL, FC–SW	N	
12	PowerEdge 1650	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 13} , v2.4.9–E.12 ^{2, 13} , v2.4.9–E.16 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 13} , v2.4.9–e.16 ^{2, 13}	QLogic: QLA2310F–E–SP, QLA2340–E–SP	FC–AL, FC–SW	N	
13	PowerEdge: 1550, 1650	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 13} , v2.4.9–E.12 ^{2, 13} , v2.4.9–E.16 ^{2, 13} , v2.4.9–E.31 ^{2, 3} , v2.4.9–E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 13} , v2.4.9–e.16 ^{2, 13}	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
14	PowerEdge 1650	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 13} , v2.4.9–E.12 ^{2, 13} , v2.4.9–E.16 ^{2, 13} , v2.4.9–E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 13} , v2.4.9–e.16 ^{2, 13}	QLogic QLA2200F–EMC	FC–AL, FC–SW	N	
15	PowerEdge: 2300, 2400, 2450, 2500, 2550 ¹¹ , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 3, 13} , v2.4.9–E.12 ^{2, 13} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{4, 5, 6, 7} , QLA2310F–E–SP ^{4, 5, 6, 7} , QLA2340–E–SP ^{4, 5, 6, 7}	FC–AL, FC–SW	N	
16	PowerEdge: 2300, 2400, 2450, 2500, 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 3, 13} , v2.4.9–E.12 ^{2, 13} , v2.4.9–E.16 ^{2, 13} , v2.4.9–E.31 ^{2, 3} , v2.4.9–E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 13} , v2.4.9–e.16 ^{2, 13} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
17	PowerEdge 4300	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 3, 13} , v2.4.9–E.12 ^{2, 13} , v2.4.9–E.16 ^{2, 13} , v2.4.9–E.31 ^{2, 3} , v2.4.9–E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 13} , v2.4.9–e.16 ^{2, 13} ; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{4, 5, 6, 7} , QLA2310F–E–SP ^{4, 5, 6, 7} , QLA2340–E–SP ^{4, 5, 6, 7}	FC–AL, FC–SW	N	
18	PowerEdge 1550	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{2, 13} , v2.4.9–E.31 ^{2, 3} , v2.4.9–E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 13} , v2.4.9–e.16 ^{2, 13} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2310F–E–SP ^{4, 5, 6, 7}	FC–AL, FC–SW	Y ¹²	
19	PowerEdge 2550 ¹¹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{2, 13} , v2.4.9–E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 13} , v2.4.9–e.16 ^{2, 13}	QLogic QLA2200F–EMC	FC–AL, FC–SW	Y ^{9, 10}	
20	PowerEdge 2550 ¹¹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{2, 13} , v2.4.9–E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 13} , v2.4.9–e.16 ^{2, 13}	QLogic: QLA2310F–E–SP, QLA2340–E–SP	FC–AL, FC–SW	Y ¹²	
21	PowerEdge: 2300, 2400, 2450, 2500, 2550 ¹¹ , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{2, 13} , v2.4.9–E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 13} , v2.4.9–e.16 ^{2, 13} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2200F–EMC ^{4, 5, 6, 7}	FC–AL, FC–SW	Y ^{9, 10}	
22	PowerEdge 1550	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{2, 13} , v2.4.9–E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 13} , v2.4.9–e.16 ^{2, 13} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2340–E–SP ^{4, 5, 6, 7}	FC–AL, FC–SW	Y ¹²	
23	PowerEdge: 2300, 2400, 2450, 2500, 2550 ¹¹ , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{2, 13} , v2.4.9–E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 13} , v2.4.9–e.16 ^{2, 13} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic: QLA2310F–E–SP ^{4, 5, 6, 7} , QLA2340–E–SP ^{4, 5, 6, 7}	FC–AL, FC–SW	Y ¹²	
24	PowerEdge: 1550 ¹⁹ , 1650 ¹⁹ , 2300 ¹⁹ , 2400, 2450 ¹⁹ , 2500 ¹⁹ , 2550 ^{11, 19} , 4400 ¹⁹ , 6100 ¹⁹ , 6300 ¹⁹ , 6350 ¹⁹ , 6400 ¹⁹ , 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 20} , v2.4.9–e.25 ^{2, 20} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 20} , v2.4.9–e.25 ^{2, 20} , v2.4.9–e.27	QLogic QLA2342–E–SP ^{6, 17, 21, 22, 23, 24}	FC–AL, FC–SW	N	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
25	PowerEdge 1650 ¹⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 20} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{4, 22, 33, 34, 35, 36}	FC–AL, FC–SW	Y	
26	PowerEdge: 1550 ¹⁹ , 2300 ¹⁹ , 2400, 2450 ¹⁹ , 2500 ¹⁹ , 2550 ^{11, 19} , 4400 ¹⁹ , 6100 ¹⁹ , 6300 ¹⁹ , 6350 ¹⁹ , 6400 ¹⁹ , 6450 ¹⁹ , 8450 ¹⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 20} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{4, 22, 33, 34, 35, 36, 37}	FC–AL, FC–SW	Y	
27	PowerEdge 1650 ¹⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 20} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{4, 17, 22, 33, 34, 36, 37, 46, 47}	FC–AL, FC–SW	N	
28	PowerEdge: 1550 ¹⁹ , 2300 ¹⁹ , 2400, 2450 ¹⁹ , 2500 ¹⁹ , 2550 ^{11, 19} , 4400 ¹⁹ , 6100 ¹⁹ , 6300 ¹⁹ , 6350 ¹⁹ , 6400 ¹⁹ , 6450 ¹⁹ , 8450 ¹⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP982–E ^{4, 17, 22, 33, 34, 36, 37, 46, 47}	FC–AL, FC–SW	Y ^{26, 27, 28, 29, 30, 31, 32}	
29	PowerEdge 1650	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.3 ^{1, 2, 3} , v2.4.9–E.9 ^{2, 13}	QLogic QLA2310F–E–SP ^{4, 5, 6, 7} , QLA2340–E–SP ^{4, 5, 6, 7}	FC–AL, FC–SW	N	
30	PowerEdge 1550	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 13} , ES v2.4.9–e.12 ^{2, 13} , ES v2.4.9–e.16 ^{2, 13}	QLogic QLA2200F–EMC ^{4, 5, 6, 7}	FC–AL, FC–SW	Y ^{9, 10}	See ¹⁸
31	PowerEdge: 1550 ¹⁹ , 2300 ¹⁹ , 2400, 2450 ¹⁹ , 2500 ¹⁹ , 2550 ^{11, 19} , 4400 ¹⁹ , 6100 ¹⁹ , 6300 ¹⁹ , 6350 ¹⁹ , 6400 ¹⁹ , 6450 ¹⁹ , 8450 ¹⁹	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27	Emulex: LP10000–E ^{4, 17, 33, 34, 35, 38, 42, 43} , LP10000DC–E ^{4, 17, 33, 34, 35, 38, 42, 43} , LP1050–E ^{4, 17, 22, 33, 34, 35, 36, 37, 48} , LP1050DC–E ^{4, 17, 22, 33, 34, 35, 36, 37, 48}	FC–AL, FC–SW	Y ^{26, 27, 28, 29, 30, 31, 32}	
32	PowerEdge: 1550, 1650 ¹⁹ , 2300, 2450, 2500, 2550 ¹¹ , 4400, 6100, 6300, 6350, 6400, 6450, 8450; PowerVault: 750N, 755N, 775N	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{4, 17, 33, 34, 35, 38, 42, 43} , LP10000DC–E ^{4, 17, 33, 34, 35, 38, 42, 43} , LP1050–E ^{4, 17, 22, 33, 34, 35, 36, 37, 48} , LP1050DC–E ^{4, 17, 22, 33, 34, 35, 36, 37, 48}	FC–AL, FC–SW	N	See ¹⁴
33	PowerEdge: 2400, 4300	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{4, 17, 33, 34, 35, 38, 42, 43} , LP10000DC–E ^{4, 17, 33, 34, 35, 38, 42, 43} , LP1050–E ^{4, 17, 22, 33, 34, 35, 36, 37, 48} , LP1050DC–E ^{4, 17, 22, 33, 34, 35, 36, 37, 48}	FC–AL, FC–SW	N	
34	PowerEdge 1550 ¹⁶	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{44, 45}	FC–AL, FC–SW	Y ^{9, 10, 12}	See ¹⁴
35	PowerEdge: 2300, 2400, 2450, 2500, 2550 ¹¹ , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{44, 45}	FC–AL, FC–SW	Y ^{9, 10, 12}	
36	PowerEdge: 1550, 2300, 2400, 2450, 2500, 2550 ¹¹ , 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{44, 45} ; QLogic QLA2342–E–SP ^{4, 7, 17}	FC–AL, FC–SW	N	
37	PowerEdge 1550 ¹⁶	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC–AL, FC–SW	Y	See ¹⁴
38	PowerEdge: 2300, 2400, 2450, 2500, 2550 ¹¹ , 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC–AL, FC–SW	Y	
39	PowerEdge: 1550 ¹⁹ , 2300 ¹⁹ , 2400, 2450 ¹⁹ , 2500 ¹⁹ , 2550 ^{11, 19} , 4400 ¹⁹ , 6100 ¹⁹ , 6300 ¹⁹ , 6350 ¹⁹ , 6400 ¹⁹ , 6450 ¹⁹ , 8450 ¹⁹	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{4, 17, 33, 34, 35, 38, 42, 43} , LP10000DC–E ^{4, 17, 33, 34, 35, 38, 42, 43} , LP1050–E ^{4, 17, 22, 33, 34, 35, 36, 37, 48} , LP1050DC–E ^{4, 17, 22, 33, 34, 35, 36, 37, 48}	FC–AL, FC–SW	Y ^{27, 28, 29, 30, 31, 32}	
40	PowerEdge: 1550 ¹⁹ , 2300 ¹⁹ , 2400, 2450 ¹⁹ , 2500 ¹⁹ , 2550 ^{11, 19} , 4400 ¹⁹ , 6100 ¹⁹ , 6300 ¹⁹ , 6350 ¹⁹ , 6400 ¹⁹ , 6450 ¹⁹ , 8450 ¹⁹	PCI	Red Hat Linux: 2.1 Advanced Server v2.4.9–e.24 ^{2, 20} , 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{4, 17, 22, 33, 34, 36, 37, 46, 47}	FC–AL, FC–SW	Y ^{27, 28, 29, 30, 31, 32}	
41	PowerEdge: 2600, 2600 ¹⁹ , 2650, 6600, 6650	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	QLogic QLA2200F–EMC ^{4, 5, 6, 7}	FC–AL, FC–SW	Y ^{8, 9, 10}	
42	PowerEdge: 2600, 2600 ¹⁹ , 2650, 6600, 6650	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	QLogic: QLA2310F–E–SP ^{4, 5, 6, 7} , QLA2340–E–SP ^{4, 5, 6, 7}	FC–AL, FC–SW	Y ^{8, 12}	
43	PowerEdge 6650	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 13} , v2.4.9–E.10 ^{2, 3, 13} , v2.4.9–E.12 ^{2, 13} , v2.4.9–E.16 ^{2, 13} , v2.4.9–E.3 ^{1, 2, 3} , v2.4.9–E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 13} , v2.4.9–e.16 ^{2, 13} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
44	PowerEdge 6650	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 13} , v2.4.9–E.12 ^{2, 13}	QLogic: QLA2200F–EMC, QLA2310F–E–SP, QLA2340–E–SP	FC–AL, FC–SW	N	
45	PowerEdge 1750	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 13} , v2.4.9–E.12 ^{2, 13} , v2.4.9–E.16 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 13} , v2.4.9–e.16 ^{2, 13}	QLogic: QLA2310F–E–SP, QLA2340–E–SP	FC–AL, FC–SW	N	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
46	PowerEdge 1750	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 13} , v2.4.9-E.12 ^{2, 13} , v2.4.9-E.16 ^{2, 13} , v2.4.9-E.31 ^{2, 3} , v2.4.9-E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 13} , v2.4.9-e.16 ^{2, 13}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
47	PowerEdge 1750	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 13} , v2.4.9-E.12 ^{2, 13} , v2.4.9-E.16 ^{2, 13} , v2.4.9-E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 13} , v2.4.9-e.16 ^{2, 13}	QLogic QLA2200F-EMC	FC-AL, FC-SW	N	
48	PowerEdge: 2600, 2600 ¹⁹ , 2650, 6600, 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 3, 13} , v2.4.9-E.12 ^{2, 13} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic: QLA2200F-EMC ^{4, 5, 6, 7} , QLA2310F-E-SP ^{4, 5, 6, 7} , QLA2340-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	N	
49	PowerEdge: 2600, 2600 ¹⁹ , 2650, 4600, 6600	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 3, 13} , v2.4.9-E.12 ^{2, 13} , v2.4.9-E.16 ^{2, 13} , v2.4.9-E.31 ^{2, 3} , v2.4.9-E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 13} , v2.4.9-e.16 ^{2, 13} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
50	PowerEdge 4600	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 3, 13} , v2.4.9-E.12 ^{2, 13} , v2.4.9-E.16 ^{2, 13} , v2.4.9-E.31 ^{2, 3} , v2.4.9-E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 13} , v2.4.9-e.16 ^{2, 13} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic: QLA2200F-EMC ^{4, 5, 6, 7} , QLA2310F-E-SP ^{4, 5, 6, 7} , QLA2340-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	N	
51	PowerEdge 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 13} , v2.4.9-E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 13} , v2.4.9-e.16 ^{2, 13}	QLogic QLA2200F-EMC	FC-AL, FC-SW	Y ^{9, 10}	
52	PowerEdge 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 13} , v2.4.9-E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 13} , v2.4.9-e.16 ^{2, 13}	QLogic: QLA2310F-E-SP, QLA2340-E-SP	FC-AL, FC-SW	Y ¹²	
53	PowerEdge: 2600, 2600 ¹⁹ , 6600, 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 13} , v2.4.9-E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 13} , v2.4.9-e.16 ^{2, 13} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F-EMC ^{4, 5, 6, 7}	FC-AL, FC-SW	Y ^{9, 10}	
54	PowerEdge: 2600, 2600 ¹⁹ , 6600, 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 13} , v2.4.9-E.9 ^{2, 13} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 13} , v2.4.9-e.16 ^{2, 13} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic: QLA2310F-E-SP ^{4, 5, 6, 7} , QLA2340-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	Y ¹²	
55	PowerEdge 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 13} , v2.4.9-E.9 ^{2, 13} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F-EMC ^{4, 5, 6, 7}	FC-AL, FC-SW	Y ^{9, 10}	
56	PowerEdge 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 13} , v2.4.9-E.9 ^{2, 13} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic: QLA2310F-E-SP ^{4, 5, 6, 7} , QLA2340-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	Y ¹²	
57	PowerEdge: 2600 ¹⁹ , 2650, 6600 ¹⁹ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 20} , v2.4.9-e.25 ^{2, 20} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 20} , v2.4.9-e.25 ^{2, 20} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{4, 21, 23, 24}	FC-AL, FC-SW	Y ^{12, 25, 26, 27, 28, 29, 30, 31, 32}	
58	PowerEdge: 1750, 2600, 2600 ¹⁹ , 2650, 4600, 6600 ¹⁹ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 20} , v2.4.9-e.25 ^{2, 20} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 20} , v2.4.9-e.25 ^{2, 20} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{6, 17, 21, 22, 23, 24}	FC-AL, FC-SW	N	
59	PowerEdge: 1750, 4600 ¹⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 20} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{4, 22, 33, 34, 35, 36}	FC-AL, FC-SW	Y	
60	PowerEdge: 2600 ¹⁹ , 2650, 6600 ¹⁹ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 20} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{4, 22, 33, 34, 35, 36, 37}	FC-AL, FC-SW	Y	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
61	PowerEdge: 1750, 4600 ¹⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,20} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ⁴ , 17, 22, 33, 34, 36, 37, 46, 47	FC-AL, FC-SW	N	
62	PowerEdge: 2600 ¹⁹ , 2650, 6600 ¹⁹ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP982–E ⁴ , 17, 22, 33, 34, 36, 37, 46, 47	FC-AL, FC-SW	Y ^{26, 27, 28, 29, 30, 31, 32}	
63	PowerEdge 1750	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.31, 2, 3, v2.4.9–E.9 ^{2, 13}	QLogic QLA2310F–E–SP ⁴ , 5, 6, 7, QLA2340–E–SP ⁴ , 5, 6, 7	FC-AL, FC-SW	N	
64	PowerEdge 2650 ¹⁹	PCI-X	Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 13} , v2.4.9–e.16 ^{2, 13}	QLogic QLA2200F–EMC ⁴ , 5, 6, 7	FC-AL, FC-SW	Y ^{9, 10}	
65	PowerEdge 2650 ¹⁹	PCI-X	Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 13} , v2.4.9–e.16 ^{2, 13}	QLogic QLA2310F–E–SP ⁴ , 5, 6, 7, QLA2340–E–SP ⁴ , 5, 6, 7	FC-AL, FC-SW	Y ¹²	
66	PowerEdge: 2600 ¹⁹ , 2650, 6600 ¹⁹ , 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27	Emulex: LP1000–E ⁴ , 17, 33, 34, 35, 38, 42, 43, LP1000DC–E ⁴ , 17, 33, 34, 35, 38, 42, 43, LP1050–E ⁴ , 17, 22, 33, 34, 35, 36, 37, 48, LP1050DC–E ⁴ , 17, 22, 33, 34, 35, 36, 37, 48	FC-AL, FC-SW	Y ^{26, 27, 28, 29, 30, 31, 32}	
67	PowerEdge: 1750, 2600, 2650, 4600 ¹⁹ , 6600, 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP1000–E ⁴ , 17, 33, 34, 35, 38, 42, 43, LP1000DC–E ⁴ , 17, 33, 34, 35, 38, 42, 43, LP1050–E ⁴ , 17, 22, 33, 34, 35, 36, 37, 48, LP1050DC–E ⁴ , 17, 22, 33, 34, 35, 36, 37, 48	FC-AL, FC-SW	N	See ¹⁴
68	PowerEdge: 2600, 2600 ¹⁹ , 2650, 6600, 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{44, 45}	FC-AL, FC-SW	Y ^{9, 10, 12}	
69	PowerEdge: 2600, 2600 ¹⁹ , 2650, 4600, 6600, 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{44, 45} , QLogic QLA2342–E–SP ⁴ , 7, 17	FC-AL, FC-SW	N	
70	PowerEdge: 2600, 2600 ¹⁹ , 2650, 4600, 6600, 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC-AL, FC-SW	Y	
71	PowerEdge: 2600 ¹⁹ , 2650, 6600 ¹⁹ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP1000–E ⁴ , 17, 33, 34, 35, 38, 42, 43, LP1000DC–E ⁴ , 17, 33, 34, 35, 38, 42, 43, LP1050–E ⁴ , 17, 22, 33, 34, 35, 36, 37, 48, LP1050DC–E ⁴ , 17, 22, 33, 34, 35, 36, 37, 48	FC-AL, FC-SW	Y ^{27, 28, 29, 30, 31, 32}	
72	PowerEdge: 2600 ¹⁹ , 2650, 6600 ¹⁹ , 6650	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9–e.24 ^{2,20} , 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ⁴ , 17, 22, 33, 34, 36, 37, 46, 47	FC-AL, FC-SW	Y ^{27, 28, 29, 30, 31, 32}	
73	PowerEdge: 1550 ¹⁹ , 1650 ¹⁹ , 2300 ¹⁹ , 2450 ¹⁹ , 2500 ¹⁹ , 2550 ^{11, 19} , 4400 ¹⁹ , 6100 ¹⁹ , 6300 ¹⁹ , 6350 ¹⁹ , 6400 ¹⁹ , 6450 ¹⁹ , 8450 ¹⁹	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–e.24 ²	Emulex LP9802–E ^{22, 33, 34, 35, 36, 37}	FC-AL, FC-SW ¹⁷	Y	
74	PowerEdge 1550	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 3}	QLogic QLA2200F–EMC ⁴ , 5, 6, 7	FC-AL, FC-SW ¹⁷	Y ^{8, 9, 10}	See ¹⁴
75	PowerEdge 2400	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{22, 33, 34, 35, 36, 37}	FC-AL, FC-SW ¹⁷	Y	
76	PowerEdge 1550	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2200F–EMC ⁴ , 5, 6, 7	FC-AL, FC-SW ¹⁷	Y ^{9, 10}	See ¹⁴
77	PowerEdge 1550	PCI	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.10 ^{2, 13} , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F–EMC ⁴ , 5, 6, 7	FC-AL, FC-SW ¹⁷	N	See ¹⁴
78	PowerEdge: 1750, 4600 ¹⁹	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–e.24 ²	Emulex LP9802–E ^{22, 33, 34, 35, 36, 37}	FC-AL, FC-SW ¹⁷	Y	
79	PowerEdge: 2600 ¹⁹ , 2650, 6600 ¹⁹ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{22, 33, 34, 35, 36, 37}	FC-AL, FC-SW ¹⁷	Y	
80	PowerEdge: 1550 ¹⁹ , 2300 ¹⁹ , 2400, 2450 ¹⁹ , 2500 ¹⁹ , 2550 ^{11, 19} , 4400 ¹⁹ , 6100 ¹⁹ , 6300 ¹⁹ , 6350 ¹⁹ , 6400 ¹⁹ , 6450 ¹⁹ , 8450 ¹⁹	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–e.24 ^{2,20}	Emulex LP9002DC–E ⁴ , 17, 22, 34, 35, 36, 37, 40, 41	FC-AL, FC-SW ^{17, 38}	Y ^{27, 28, 29, 30, 31, 32}	
81	PowerEdge 1650 ¹⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,20} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ⁴ , 17, 22, 34, 35, 36, 37, 40, 41	FC-AL, FC-SW ^{17, 38}	N	
82	PowerEdge: 1550 ¹⁹ , 2300 ¹⁹ , 2400, 2450 ¹⁹ , 2500 ¹⁹ , 2550 ^{11, 19} , 4400 ¹⁹ , 6100 ¹⁹ , 6300 ¹⁹ , 6350 ¹⁹ , 6400 ¹⁹ , 6450 ¹⁹ , 8450 ¹⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ⁴ , 17, 22, 34, 35, 36, 37, 40, 41	FC-AL, FC-SW ^{17, 38}	Y ^{26, 27, 28, 29, 30, 31, 32}	
83	PowerEdge: 1550 ¹⁹ , 1650 ¹⁹ , 2300 ¹⁹ , 2450 ¹⁹ , 2500 ¹⁹ , 2550 ^{11, 19} , 4400 ¹⁹ , 6100 ¹⁹ , 6300 ¹⁹ , 6350 ¹⁹ , 6400 ¹⁹ , 6450 ¹⁹ , 8450 ¹⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{22, 33, 34, 35, 36, 37}	FC-AL, FC-SW ^{17, 38}	Y	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
84	PowerEdge: 1550 ¹⁹ , 2300 ¹⁹ , 2400, 2450 ¹⁹ , 2500 ¹⁹ , 2550 ^{11, 19} , 4400 ¹⁹ , 6100 ¹⁹ , 6300 ¹⁹ , 6350 ¹⁹ , 6400 ¹⁹ , 6450 ¹⁹ , 8450 ¹⁹	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ⁴ , 17, 22, 34, 35, 36, 37, 40, 41	FC–AL, FC–SW ^{17, 38}	Y ^{25, 26, 27, 28, 29, 30, 31, 32, 49}	
85	PowerEdge: 2600 ¹⁹ , 2650, 6600 ¹⁹ , 6650	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–e.24 ^{2, 20}	Emulex LP9002DC–E ⁴ , 17, 22, 34, 35, 36, 37, 40, 41	FC–AL, FC–SW ^{17, 38}	Y ^{27, 28, 29, 30, 31, 32}	
86	PowerEdge: 1750, 4600 ¹⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 20} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ⁴ , 17, 22, 34, 35, 36, 37, 40, 41	FC–AL, FC–SW ^{17, 38}	N	
87	PowerEdge: 2600 ¹⁹ , 2650, 6600 ¹⁹ , 6650	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ⁴ , 17, 22, 34, 35, 36, 37, 40, 41	FC–AL, FC–SW ^{17, 38}	Y ^{26, 27, 28, 29, 30, 31, 32}	
88	PowerEdge: 1750, 2600 ¹⁹ , 4600 ¹⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{22, 33, 34, 35, 36, 37}	FC–AL, FC–SW ^{17, 38}	Y	
89	PowerEdge: 2600 ¹⁹ , 2650, 6600 ¹⁹ , 6650	PCI–X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ⁴ , 17, 22, 34, 35, 36, 37, 40, 41	FC–AL, FC–SW ^{17, 38}	Y ^{25, 26, 27, 28, 29, 30, 31, 32, 49}	
90	PowerEdge 1650 ¹⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 20} , v2.4.9–e.25 ^{2, 20} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 20} , v2.4.9–e.25 ^{2, 20} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{4, 21, 23, 24}	FC–AL, FC–SW ²²	N	
91	PowerEdge: 1550 ¹⁹ , 2300 ¹⁹ , 2400, 2450 ¹⁹ , 2500 ¹⁹ , 2550 ^{11, 19} , 4400 ¹⁹ , 6100 ¹⁹ , 6300 ¹⁹ , 6350 ¹⁹ , 6400 ¹⁹ , 6450 ¹⁹ , 8450 ¹⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 20} , v2.4.9–e.25 ^{2, 20} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 20} , v2.4.9–e.25 ^{2, 20} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{4, 21, 23, 24}	FC–AL, FC–SW ²²	Y ^{12, 25, 26, 27, 28, 29, 30, 31, 32}	
92	PowerEdge 2600 ¹⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 20} , v2.4.9–e.25 ^{2, 20} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 20} , v2.4.9–e.25 ^{2, 20} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{4, 21, 23, 24}	FC–AL, FC–SW ²²	Y ^{12, 25, 26, 27, 28, 29, 30, 31, 32}	
93	PowerEdge: 1750, 4600 ¹⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 20} , v2.4.9–e.25 ^{2, 20} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 20} , v2.4.9–e.25 ^{2, 20} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{4, 21, 23, 24}	FC–AL, FC–SW ²²	N	
94	PowerEdge: 1550 ¹⁹ , 2300 ¹⁹ , 2400, 2450 ¹⁹ , 2500 ¹⁹ , 2550 ^{11, 19} , 4400 ¹⁹ , 6100 ¹⁹ , 6300 ¹⁹ , 6350 ¹⁹ , 6400 ¹⁹ , 6450 ¹⁹ , 8450 ¹⁹	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–e.24 ^{2, 20}	Emulex LP9002–E (LP9002L–E) ^{4, 22, 33, 34, 35, 36, 37, 39}	FC–AL, FC–SW ³⁴	Y ^{27, 28, 29, 30, 31, 32}	
95	PowerEdge 1650 ¹⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 20} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{4, 22, 33, 34, 35, 36, 39}	FC–AL, FC–SW ³⁴	N	
96	PowerEdge: 1550 ¹⁹ , 2300 ¹⁹ , 2400, 2450 ¹⁹ , 2500 ¹⁹ , 2550 ^{11, 19} , 4400 ¹⁹ , 6100 ¹⁹ , 6300 ¹⁹ , 6350 ¹⁹ , 6400 ¹⁹ , 6450 ¹⁹ , 8450 ¹⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{4, 22, 33, 34, 35, 36, 37, 39}	FC–AL, FC–SW ³⁴	Y ^{26, 27, 28, 29, 30, 31, 32}	
97	PowerEdge: 1550 ¹⁹ , 2300 ¹⁹ , 2400, 2450 ¹⁹ , 2500 ¹⁹ , 2550 ^{11, 19} , 4400 ¹⁹ , 6100 ¹⁹ , 6300 ¹⁹ , 6350 ¹⁹ , 6400 ¹⁹ , 6450 ¹⁹ , 8450 ¹⁹	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{4, 22, 33, 34, 35, 36, 37, 39}	FC–AL, FC–SW ³⁴	Y ^{25, 26, 27, 28, 29, 30, 31, 32, 49}	
98	PowerEdge: 2600 ¹⁹ , 2650, 6600 ¹⁹ , 6650	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–e.24 ^{2, 20}	Emulex LP9002–E (LP9002L–E) ^{4, 22, 33, 34, 35, 36, 37, 39}	FC–AL, FC–SW ³⁴	Y ^{27, 28, 29, 30, 31, 32}	
99	PowerEdge: 1750, 4600 ¹⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 20} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{4, 22, 33, 34, 35, 36, 39}	FC–AL, FC–SW ³⁴	N	
100	PowerEdge: 2600 ¹⁹ , 2650, 6600 ¹⁹ , 6650	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{4, 22, 33, 34, 35, 36, 37, 39}	FC–AL, FC–SW ³⁴	Y ^{26, 27, 28, 29, 30, 31, 32}	
101	PowerEdge: 2600 ¹⁹ , 2650, 6600 ¹⁹ , 6650	PCI–X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{4, 22, 33, 34, 35, 36, 37, 39}	FC–AL, FC–SW ³⁴	Y ^{25, 26, 27, 28, 29, 30, 31, 32, 49}	

1. The kernel version listed is included in the corresponding standard distributed release.

2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.

3. Supported with QLogic driver v6.05.00.

4. Host must be offline for interfamily Symmetrix microcode upgrade.

5. BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
6. Driver Version v6.05.00.
7. Driver Version v6.x series. Supports persistent binding and only supports Class 3.
8. This kernel is limited to 110 devices, not 128.
9. Install with driver provided by RedHat 7.2 Installer and upgrade to the EMC-approved driver after installation.
10. Requires QLogic driver 4.47.18 and BIOS 1.83.
11. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
12. Requires QLogic driver 4.47.18 driver disk, dd.img-i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
13. This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath.
14. Booting from EMC storage arrays is NOT supported with PowerPath.
15. Linux v2.4.x Kernels support a maximum of 128 devices per system.
16. When used with the HP NetServer LC2000: 32 device maximum.
17. If using Dell PERC Controller, requires PERC 3 with OpenManager 3.0 and Array Manager 3.1. The afamgt.sys must be version 2.6.0.3486 (or above).
18. Single HBA zoning is required regardless of the switch being utilized.
19. 8 LUNs supported; 2-node AL connection only.
20. An RPM from Dell may be used to install the QLogic v6.05.00 driver and may be obtained from the QLogic website at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
21. This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
22. Driver Version v6.04.01.
23. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
24. **QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
25. Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
26. Only one HBA is qualified for use in the Linux host when booting from the CLARiiON via fabric.
27. Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
28. Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
29. No MirrorView or SnapView used on boot LUNs.
30. EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
31. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
32. Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
33. For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
34. FCode value 1.63a2.
35. Driver Version 1.23a.
36. **QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
37. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
38. Emulex driver and BIOS available from <http://www.emulex.com>.
39. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
40. The LP9002-E now ships with the LP9002L-E low profile adapter.
41. FCode value 1.63a.
42. Firmware Version 3.90a7.
43. Firmware Version 1.80a2.
44. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
45. Firmware Version v3.90a7.
46. Driver Version v1.22e.
47. Firmware Version 1.02a0.
48. **QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
49. Firmware Version 1.80a3.
50. Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.

Fujitsu Siemens

Fujitsu Siemens – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450, RX100, T850	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,3,9} , v2.4.9-E.12 ^{2,9} , v2.4.9-E.16 ^{2,9} , v2.4.9-E.31 ^{2,3} , v2.4.9-E.9 ^{2,9} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2,9} , v2.4.9-e.16 ^{2,9}	QLogic QLA2200F-EMC ^{4, 5, 6, 7}	FC-AL, FC-SW	N	
2	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450, RX100, T850	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,3,9} , v2.4.9-E.12 ^{2,9} , v2.4.9-E.31 ^{2,3} , v2.4.9-E.9 ^{2,9} ; Red Hat Linux 2.1 ES v2.4.9-e.12 ^{2,9}	Emulex LP9802DC-E ^{13, 14, 15, 16, 17}	FC-AL, FC-SW	Y	
3	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450, RX100, T850	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2,9} , ES v2.4.9-e.16 ^{2,9}	Emulex LP9002-E (LP9002L-E) ^{13, 14, 15, 16, 18, 19, 20, 21, 22}	FC-AL, FC-SW	N	
4	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450, RX100, T850	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2,9} , ES v2.4.9-e.16 ^{2,9}	Emulex LP9802DC-E ^{13, 14, 15, 16, 17, 18, 20, 22}	FC-AL, FC-SW	Y	
5	Primergy: F250 ⁸ , H250 ⁸ , H450, N800, RX200, RX300, TX200, TX300	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,3,9} , v2.4.9-E.12 ^{2,9} , v2.4.9-E.16 ^{2,9} , v2.4.9-E.31 ^{2,3} , v2.4.9-E.9 ^{2,9} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2,9} , v2.4.9-e.16 ^{2,9}	QLogic QLA2200F-EMC ^{4, 5, 6, 7}	FC-AL, FC-SW	N	
6	Primergy: F250 ⁸ , H250 ⁸ , H450, N800, RX200, RX300, TX200, TX300	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,3,9} , v2.4.9-E.12 ^{2,9} , v2.4.9-E.31 ^{2,3} , v2.4.9-E.9 ^{2,9} ; Red Hat Linux 2.1 ES v2.4.9-e.12 ^{2,9}	Emulex LP9802DC-E ^{13, 14, 15, 16, 17}	FC-AL, FC-SW	Y	
7	Primergy: F250 ⁸ , H250 ⁸ , H450, N800, RX200, RX300, TX200, TX300	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2,9} , ES v2.4.9-e.16 ^{2,9}	Emulex LP9002-E (LP9002L-E) ^{13, 14, 15, 16, 18, 19, 20, 21, 22}	FC-AL, FC-SW	N	
8	Primergy: F250 ⁸ , H250 ⁸ , H450, N800, RX200, RX300, TX200, TX300	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2,9} , ES v2.4.9-e.16 ^{2,9}	Emulex LP9802DC-E ^{13, 14, 15, 16, 17, 18, 20, 22}	FC-AL, FC-SW	Y	
9	Primergy: RX600, RX800, TX600	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,3,9} , v2.4.9-E.12 ^{2,9} , v2.4.9-E.16 ^{2,9} , v2.4.9-E.31 ^{2,3} , v2.4.9-E.9 ^{2,9} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2,9} , v2.4.9-e.16 ^{2,9}	QLogic QLA2200F-EMC ^{4, 5, 6, 7}	FC-AL, FC-SW	N	
10	Primergy: RX600, RX800, TX600	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,3,9} , v2.4.9-E.12 ^{2,9} , v2.4.9-E.31 ^{2,3} , v2.4.9-E.9 ^{2,9} ; Red Hat Linux 2.1 ES v2.4.9-e.12 ^{2,9}	Emulex LP9802DC-E ^{13, 14, 15, 16, 17}	FC-AL, FC-SW	Y	

Fujitsu Siemens – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
11	Primergy: RX600, RX800, TX600	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2,9} , v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.16 ^{2,9} , v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ^{13, 14, 15, 16, 18, 19, 20, 21, 22}	FC-AL, FC-SW	N	
12	Primergy: RX600, RX800, TX600	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2,9} , v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.16 ^{2,9} , v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{13, 14, 15, 16, 17, 18, 20, 22}	FC-AL, FC-SW	Y	
13	Primergy: RX600, RX800, TX600	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ^{2,12} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ^{2,12} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{4, 11} , QLA2200F-EMC ^{4, 5, 6, 7, 11} , QLA2200F-EMC ^{4, 6, 11}	FC-AL, FC-SW	N	See ¹⁰

- The kernel version listed is included in the corresponding standard distributed release.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPO.
- Supported with QLogic driver v6.05.00.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- Driver Version v6.x series. Supports persistent binding and only supports Class 3.
- Driver Version v6.05.00.
- Must use standard PCI 32bit/33MHz slot for SCSI
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- Driver Version v6.04.01.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- Single HBA zoning is required regardless of the switch being utilized.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- Firmware Version 1.01a2.
- FCode value 1.63a2.
- Firmware Version 3.90a7.
- Driver Version 1.23a.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**

HPQ

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Proliant: 8500, ML350(G2) ¹² , ML350(G3), ML530(G2) ¹²	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	QLogic QLA2200F-EMC ²⁹	FC-AL	Y ^{2, 3}	
2	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{5, 16} , v2.4.9-E.3 ^{5, 6} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	QLogic QLA2200F-EMC ²⁹	FC-AL	N	
3	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.24 ⁵ , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	QLogic QLA2200F-EMC ^{29, 31}	FC-AL	N	
4	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 7000 ^{11, 12} , 800, 8000 ^{11, 12} , 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4, 5, 6}	QLogic QLA2200F-EMC ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ^{1, 2, 3}	
5	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 7000 ^{11, 12} , 800, 8000 ^{11, 12} , 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4, 5, 6}	QLogic: QLA2310F-E-SP ^{7, 8, 9, 10} , QLA2340-E-SP ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ^{1, 15}	
6	Proliant: 7000 ^{11, 12} , 8500, ML350(G2) ¹² , ML350(G3), ML530(G2) ¹²	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{5, 16}	QLogic QLA2200F-EMC	FC-AL, FC-SW	Y ^{2, 3}	
7	Proliant: 7000 ^{11, 12} , ML350(G2) ¹² , ML350(G3), ML530(G2) ¹²	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{5, 16}	QLogic: QLA2310F-E-SP, QLA2340-E-SP	FC-AL, FC-SW	Y ¹⁵	
8	Netserver: LH PRO, LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{16, 23} , v2.4.9-E.12 ^{16, 23} , v2.4.9-E.16 ^{16, 23} , v2.4.9-E.3 ²³ , v2.4.9-E.9 ^{16, 23} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{16, 23} , v2.4.9-e.16 ^{16, 23}	QLogic QLA2342-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	N	
9	Proliant 7000 ^{11, 12}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16, 17, 18} , v2.4.9-E.12 ^{5, 16}	QLogic QLA2200F-EMC	FC-AL, FC-SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
10	Proliant 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16} , v2.4.9-E.12 ^{5, 16}	QLogic QLA2200F-EMC	FC-AL, FC-SW	N	
11	Proliant: ML350(G2) ¹² , ML350(G3), ML530(G2) ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16} , v2.4.9-E.12 ^{5, 16}	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP	FC-AL, FC-SW	N	
12	Proliant 7000 ^{11, 12}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16} , v2.4.9-E.12 ^{5, 16}	QLogic: QLA2310F-E-SP, QLA2340-E-SP	FC-AL, FC-SW	N	
13	Proliant 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16}	QLogic: QLA2310F-E-SP, QLA2340-E-SP	FC-AL, FC-SW	N	
14	Proliant: 7000 ^{11, 12} , 8500, ML350(G2) ¹² , ML350(G3), ML530(G2) ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
15	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16, 23} , v2.4.9-E.12 ^{5, 16, 23} , v2.4.9-E.16 ^{5, 16, 23} , v2.4.9-E.3 ^{4, 5, 6, 23} , v2.4.9-E.9 ^{5, 16, 23} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16, 23} , v2.4.9-e.16 ^{5, 16, 23}	QLogic QLA2342-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	N	
16	Proliant ML370(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	QLogic QLA2200F-EMC ^{7, 8, 9, 10}	FC-AL, FC-SW	N	
17	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 800, 8000 ^{11, 12} , 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350 ¹² , ML370(G2), ML370 ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	QLogic: QLA2200F-EMC ^{7, 8, 9, 10} , QLA2310F-E-SP ^{7, 8, 9, 10} , QLA2340-E-SP ^{7, 8, 9, 10}	FC-AL, FC-SW	N	
18	Netserver LH 3000; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 800, 8000 ^{11, 12} , 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
19	Proliant ML370(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ⁵ , 8.0 updated to v2.4.20-20.8 ⁵	QLogic: QLA2310F-E-SP ^{7, 8, 9, 10} , QLA2340-E-SP ^{7, 8, 9, 10}	FC-AL, FC-SW	N	
20	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	QLogic: QLA2200F-EMC ^{7, 8, 9, 10} , QLA2310F-E-SP ^{7, 8, 9, 10} , QLA2340-E-SP ^{7, 8, 9, 10}	FC-AL, FC-SW	N	
21	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 800, 8000 ^{11, 12} , 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	QLogic QLA2200F-EMC ^{7, 8, 9, 10}	FC-AL, FC-SW	Y2, 3	
22	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 800, 8000 ^{11, 12} , 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	QLogic: QLA2310F-E-SP ^{7, 8, 9, 10} , QLA2340-E-SP ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ¹⁵	
23	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²³ , v2.4.9-e.25 ²³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ²³ , v2.4.9-e.27	QLogic QLA2342-E-SP ^{9, 19, 20, 21, 22, 31}	FC-AL, FC-SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
24	NetsERVER LC: 2000 U3, 2000R; NetsERVER LH: 3, 4, 6000, II, PRO, III; NetsERVER LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 23, 40} , v2.4.9-e.25 ^{5, 23, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 23, 40} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{9, 19, 20, 21, 22, 31}	FC-AL, FC-SW	N	
25	Proliant ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{7, 20, 22, 31}	FC-AL, FC-SW	Y ^{13, 15, 32, 33, 34, 35, 36, 37, 38, 39}	
26	Proliant: ML350(G2) ¹² , ML350(G3), ML370(G2), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{7, 20, 22, 31}	FC-AL, FC-SW	Y ^{15, 32, 33, 34, 35, 36, 37, 38, 39}	
27	NetsERVER LH 3000; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 7000 ^{11, 12} , 800, 8000 ^{11, 12} , 8500, 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{9, 19, 20, 21, 22, 31}	FC-AL, FC-SW	N	
28	NetsERVER LC: 2000 U3, 2000R; NetsERVER LP 2000R, LT 6000R; Proliant: 2500 ¹² , 800, 8500, DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27	Emulex LP982-E ^{7, 19, 21, 41, 42, 43, 47, 54, 58}	FC-AL, FC-SW	Y ^{33, 34, 35, 36, 37, 38, 39}	
29	NetsERVER LC: 2000 U3, 2000R; NetsERVER LP 2000R, LT 6000R; Proliant: 2500 ¹² , 800, 8500, DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP9802DC-E ^{7, 21, 41, 42, 43, 44, 47}	FC-AL, FC-SW	Y	
30	Proliant 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16}	QLogic: QLA2310F-E-SP ^{7, 8, 9, 10} , QLA2340-E-SP ^{7, 8, 9, 10}	FC-AL, FC-SW	N	
31	Proliant: 7000 ^{11, 12} , 8500, ML350(G2) ¹² , ML350(G3), ML530(G2) ¹²	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{5, 16} , ES v2.4.9-e.12 ^{5, 16} , ES v2.4.9-e.16 ^{5, 16}	QLogic QLA2200F-EMC ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ^{2, 3}	
32	Proliant DL380(G3)	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{5, 16} , ES v2.4.9-e.12 ^{5, 16} , ES v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	QLogic QLA2200F-EMC ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ^{2, 3}	
33	Proliant: 7000 ^{11, 12} , DL380(G3), ML350(G2) ¹² , ML350(G3), ML530(G2) ¹²	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{5, 16} , ES v2.4.9-e.12 ^{5, 16} , ES v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	QLogic: QLA2310F-E-SP ^{7, 8, 9, 10} , QLA2340-E-SP ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ¹⁵	
34	NetsERVER LC: 2000 U3, 2000R; NetsERVER LP 2000R, LT 6000R; Proliant: 2500 ¹² , 800, 8500, DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ⁵ , ES v2.4.9-e.27	Emulex: LP10000-E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP10000DC-E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP1050-E ^{7, 19, 21, 41, 42, 43, 44, 47, 59} , LP1050DC-E ^{7, 19, 21, 41, 42, 43, 44, 47, 59}	FC-AL, FC-SW	Y ^{33, 34, 35, 36, 37, 38, 39}	
35	NetsERVER LC: 2000 U3, 2000R; NetsERVER LP 2000R, LT 6000R; Proliant: 2500 ¹² , 800, DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ⁵ , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex: LP10000-E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP10000DC-E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP1050-E ^{7, 19, 21, 41, 42, 43, 44, 47, 59} , LP1050DC-E ^{7, 19, 21, 41, 42, 43, 44, 47, 59}	FC-AL, FC-SW	N	See ²⁴
36	NetsERVER LC: 2000 U3, 2000R; NetsERVER LP 2000R, LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 7000 ^{11, 12} , 800, 8000 ^{11, 12} , 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	Emulex LP9002DC-E ^{55, 56}	FC-AL, FC-SW	Y ^{2, 3, 15}	
37	Proliant: ML350(G2) ¹² , ML350(G3), ML530(G2) ¹²	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	Emulex LP9002DC-E ^{55, 56}	FC-AL, FC-SW	Y ^{2, 3, 15}	See ²⁴
38	Proliant 8500	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	Emulex LP9002DC-E ^{55, 56} , QLogic QLA2200F-EMC ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ^{2, 3}	See ²⁴
39	NetsERVER LC: 2000 U3, 2000R; NetsERVER LP 2000R, LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 7000 ^{11, 12} , 800, 8000 ^{11, 12} , 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	Emulex LP9002DC-E ^{55, 56} , QLogic QLA2342-E-SP ^{7, 10, 19}	FC-AL, FC-SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
40	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 7000 ^{11, 12} , 800, 8000 ^{11, 12} , 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ⁵	Emulex LP9802–E	FC–AL, FC–SW	Y	
41	Proliant: 8500, ML350(G2) ¹² , ML350(G3), ML530(G2) ¹²	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ⁵	Emulex LP9802–E	FC–AL, FC–SW	Y	See ²⁴
42	Proliant 7000 ^{11, 12}	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ⁵	QLogic QLA2200F–EMC ^{7, 8, 9}	FC–AL, FC–SW	Y2, 3	
43	Proliant: ML350(G2) ¹² , ML350(G3), ML530(G2) ¹²	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ⁵	QLogic QLA2200F–EMC ^{7, 8, 9, 10}	FC–AL, FC–SW	Y2, 3	See ²⁴
44	Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LX PRO, LXR PRO, LXR PRO8	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ⁵	QLogic QLA2342–E–SP ^{7, 10, 19}	FC–AL, FC–SW	N	
45	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ¹² , 800, 8500, DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex: LP10000–E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP10000DC–E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP1050–E ^{7, 19, 21, 41, 42, 43, 44, 47, 59} , LP1050DC–E ^{7, 19, 21, 41, 42, 43, 44, 47, 59} , LP982–E ^{7, 19, 21, 41, 42, 43, 47, 54, 58}	FC–AL, FC–SW	Y34, 35, 36, 37, 38, 39	
46	Proliant 7000 ^{11, 12}	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	QLogic QLA2200F–EMC ^{7, 8, 9, 22}	FC–AL, FC–SW	N	
47	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
48	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ^{5, 16}	QLogic QLA2200F–EMC ^{7, 8, 9, 10}	FC–AL, FC–SW	N	See ²⁵
49	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{4, 5, 6}	QLogic QLA2200F–EMC ^{7, 8, 9, 10}	FC–AL, FC–SW	N	See ²⁴
50	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ¹² , ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{4, 5, 6}	QLogic QLA2200F–EMC ^{7, 8, 9, 10}	FC–AL, FC–SW	Y1, 2, 3	
51	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ¹² , ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{4, 5, 6}	QLogic: QLA2310F–E–SP ^{7, 8, 9, 10} , QLA2340–E–SP ^{7, 8, 9, 10}	FC–AL, FC–SW	Y1, 15	
52	Proliant DL740	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{5, 6, 16} , v2.4.9–E.12 ^{5, 16}	QLogic: QLA2200F–EMC ^{7, 8, 9, 10} , QLA2310F–E–SP ^{7, 8, 9, 10} , QLA2340–E–SP ^{7, 8, 9, 10}	FC–AL, FC–SW	N	
53	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ¹² , ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{5, 6, 16} , v2.4.9–E.12 ^{5, 16} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	QLogic: QLA2200F–EMC ^{7, 8, 9, 10} , QLA2310F–E–SP ^{7, 8, 9, 10} , QLA2340–E–SP ^{7, 8, 9, 10}	FC–AL, FC–SW	N	
54	Proliant DL740	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{5, 6, 16} , v2.4.9–E.12 ^{5, 16} , v2.4.9–E.16 ^{5, 16} , 16; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{5, 16} , v2.4.9–e.16 ^{5, 16}	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
55	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ¹² , ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{5, 6, 16} , v2.4.9–E.12 ^{5, 16} , v2.4.9–E.16 ^{5, 16} , 16, v2.4.9–E.3 ^{4, 5, 6} , v2.4.9–E.9 ^{5, 16} , 16; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{5, 16} , v2.4.9–e.16 ^{5, 16} , Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
56	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{5, 16} , v2.4.9–E.3 ^{4, 5, 6} , Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	QLogic: QLA2310F–E–SP ^{7, 8, 9, 10} , QLA2340–E–SP ^{7, 8, 9, 10} , QLA2342–E–SP	FC–AL, FC–SW	N	
57	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{5, 16} , v2.4.9–E.3 ^{4, 5, 6} , v2.4.9–e.24 ⁵ , v2.4.9–e.25 ^{5, 40} ; Red Hat Linux: 2.1 ES v2.4.9–e.25 ^{5, 40} , 8.0 updated to v2.4.20–20.8 ⁵	QLogic QLA2200F	FC–AL, FC–SW	N	
58	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{5, 16} , v2.4.9–E.3 ^{4, 5, 6} , v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ ; Red Hat Linux: 2.1 ES v2.4.9–e.25 ⁵ , 8.0 updated to v2.4.20–20.8 ⁵	IBM: 00N6881 (QLA2200) ^{7, 8, 9, 10} , 27, 28, 19K1246(QLA2310) ^{7, 8, 9, 10} , 26, 27	FC–AL, FC–SW	N	
59	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ¹² , ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{5, 16} , v2.4.9–E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{5, 16} , v2.4.9–e.16 ^{5, 16} , Red Hat Linux 7.3 updated to v2.4.20–20.7 ⁵	QLogic QLA2200F–EMC ^{7, 8, 9, 10}	FC–AL, FC–SW	Y2, 3	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
60	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{5, 16} , v2.4.9–E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{5, 16} , v2.4.9–e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ⁵	QLogic: QLA2310F–E–SP ^{7, 8, 9, 10} , QLA2340–E–SP ^{7, 8, 9, 10}	FC–AL, FC–SW	Y ¹⁵	
61	Proliant: DL740, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{5, 40} , v2.4.9–e.25 ^{5, 40} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{5, 40} , v2.4.9–e.25 ^{5, 40} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{7, 20, 22, 31}	FC–AL, FC–SW	Y ^{15, 32, 33, 34, 35, 36, 37, 38, 39}	
62	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{5, 40} , v2.4.9–e.25 ^{5, 40} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{5, 40} , v2.4.9–e.25 ^{5, 40} , v2.4.9–e.27	QLogic QLA2342–E–SP ^{9, 19, 20, 21, 22, 31}	FC–AL, FC–SW	N	
63	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{5, 40} , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27	Emulex LP982–E ^{7, 19, 21, 41, 42, 43, 47, 54, 58}	FC–AL, FC–SW	Y ^{33, 34, 35, 36, 37, 38, 39}	
64	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{5, 40} , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex LP9802DC–E ^{7, 21, 41, 42, 43, 44, 47}	FC–AL, FC–SW	Y	
65	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ^{5, 40} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ^{5, 40} , v2.4.9–e.27	QLogic QLA2200F–EMC ^{7, 8, 9, 10, 31}	FC–AL, FC–SW	N	See ²⁵
66	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ^{5, 40} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ^{5, 40} , v2.4.9–e.27	QLogic: QLA2310F–E–SP ^{7, 8, 9, 10, 31} , QLA2340–E–SP ^{7, 8, 9, 10, 31} , QLA2342–E–SP ^{9, 31}	FC–AL, FC–SW	N	
67	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex LP9802DC–E ^{7, 41, 42, 43, 44}	FC–AL, FC–SW	Y	
68	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ^{5, 40} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex LP982–E ^{7, 19, 21, 41, 42, 43, 47, 54, 58}	FC–AL, FC–SW	N	
69	Proliant DL740	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{5, 16} , ES v2.4.9–e.12 ^{5, 16} , ES v2.4.9–e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ⁵	QLogic QLA2200F–EMC ^{7, 8, 9, 10}	FC–AL, FC–SW	Y ^{2, 3}	
70	Proliant DL740	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{5, 16} , ES v2.4.9–e.12 ^{5, 16} , ES v2.4.9–e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ⁵	QLogic: QLA2310F–E–SP ^{7, 8, 9, 10} , QLA2340–E–SP ^{7, 8, 9, 10}	FC–AL, FC–SW	Y ¹⁵	
71	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.24 ⁵ , ES v2.4.9–e.25 ⁵ , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex LP982–E ^{7, 19, 21, 41, 42, 43, 47, 54, 58}	FC–AL, FC–SW	Y	
72	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ⁵ , ES v2.4.9–e.27	Emulex: LP10000–E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP10000DC–E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP1050–E ^{7, 19, 21, 41, 42, 43, 44, 47, 59} , LP1050DC–E ^{7, 19, 21, 41, 42, 43, 44, 47, 59}	FC–AL, FC–SW	Y ^{33, 34, 35, 36, 37, 38, 39}	
73	Proliant: BL40p, DL740, DL760 (G2), DL760 ¹²	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ⁵ , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex: LP10000–E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP10000DC–E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP1050–E ^{7, 19, 21, 41, 42, 43, 44, 47, 59} , LP1050DC–E ^{7, 19, 21, 41, 42, 43, 44, 47, 59}	FC–AL, FC–SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
74	Proliant: DL560, ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ⁵ , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex: LP10000-E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP10000DC-E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP1050-E ^{7, 19, 21, 41, 42, 43, 44, 47, 59} , LP1050DC-E ^{7, 19, 21, 41, 42, 43, 44, 47, 59}	FC-AL, FC-SW	N	See ²⁴
75	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Emulex LP982-E ^{19, 21, 47, 54}	FC-AL, FC-SW	Y ^{2, 3, 15, 32, 53}	See ²⁵
76	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	IBM: 00N6881 (QLA2200) ^{7, 8, 9, 10, 28, 31} , 19K1246(QLA2310) ^{7, 8, 9, 10, 26, 31} ; QLogic QLA2200F ³¹	FC-AL, FC-SW	N	
77	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP982-E ^{19, 21, 47, 54}	FC-AL, FC-SW	N	
78	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ⁵ , ES v2.4.9-e.24 ⁵ , ES v2.4.9-e.25 ⁵ , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP9802-E ^{19, 21, 41, 42, 44, 47, 52}	FC-AL, FC-SW	Y	
79	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	Emulex LP9002DC-E ^{55, 56}	FC-AL, FC-SW	Y ^{2, 3, 15}	
80	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	Emulex LP9002DC-E ^{55, 56} , QLogic QLA2342-E-SP ^{7, 10, 19}	FC-AL, FC-SW	N	
81	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	Emulex LP9802-E	FC-AL, FC-SW	Y	
82	Proliant BL40p	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP982-E ^{19, 21, 47, 54}	FC-AL, FC-SW	Y	
83	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex: LP10000-E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP10000DC-E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP1050-E ^{7, 19, 21, 41, 42, 43, 44, 47, 59} , LP1050DC-E ^{7, 19, 21, 41, 42, 43, 44, 47, 59} , LP982-E ^{7, 19, 21, 41, 42, 43, 47, 54, 58}	FC-AL, FC-SW	Y ^{34, 35, 36, 37, 38, 39}	
84	Proliant BL20p (G2)	PCI-X ³⁰	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{16, 23} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{16, 23} , v2.4.9-E.3 ⁵ , v2.4.9-E.9 ^{16, 23} , v2.4.9-E.24 ²³ , v2.4.9-E.25 ²³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{16, 23} , v2.4.9-e.16 ^{16, 23} , v2.4.9-e.24 ²³ , v2.4.9-e.25 ²³ , v2.4.9-e.27; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	HPQ Dual-port mezzanine controller card	FC-AL, FC-SW	N	
85	Proliant BL20p (G2)	PCI-X ³⁰	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	Emulex LP9002DC-E ^{55, 56}	FC-AL, FC-SW	N	
86	Proliant BL20p (G2)	PCI-X ³⁰	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	Emulex LP9802-E	FC-AL, FC-SW	Y	
87	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{5, 16}	QLogic QLA2200F-EMC	FC-AL, FC-SW	N	
88	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4, 5, 6}	QLogic QLA2200F-EMC ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ^{1, 2, 3}	
89	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4, 5, 6}	QLogic: QLA2310F-E-SP ^{7, 8, 9, 10} , QLA2340-E-SP ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ^{1, 15}	
90	Proliant DL580(G2) ¹²	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16} , v2.4.9-E.12 ^{5, 16}	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP	FC-AL, FC-SW	N	
91	Proliant DL580(G2) ¹²	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
92	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	QLogic: QLA2310F-E-SP ^{7, 8, 9, 10} , QLA2340-E-SP ^{7, 8, 9, 10}	FC-AL, FC-SW	N	
93	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
94	Proliant DL580(G2) ¹²	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16}	QLogic QLA2200F-EMC	FC-AL, FC-SW	Y ^{2, 3}	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
95	Proliant DL580(G2) ¹²	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{5, 16} , v2.4.9–E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{5, 16} , v2.4.9–e.16 ^{5, 16}	QLogic: QLA2310F–E–SP, QLA2340–E–SP	FC–AL, FC–SW	Y ¹⁵	
96	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{5, 16} , v2.4.9–E.9 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ⁵	QLogic QLA2200F–EMC ^{7, 8, 9, 10}	FC–AL, FC–SW	Y ^{2, 3}	
97	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{5, 16} , v2.4.9–E.9 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ⁵	QLogic: QLA2310F–E–SP ^{7, 8, 9, 10} , QLA2340–E–SP ^{7, 8, 9, 10}	FC–AL, FC–SW	Y ¹⁵	
98	Proliant DL580(G2) ¹²	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{5, 40} , v2.4.9–e.25 ^{5, 40} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{5, 40} , v2.4.9–e.25 ^{5, 40} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{7, 20, 22, 31}	FC–AL, FC–SW	Y ^{15, 32, 33, 34, 35, 36, 37, 38, 39}	
99	Proliant: DL580(G2) ¹² , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{5, 40} , v2.4.9–e.25 ^{5, 40} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{5, 40} , v2.4.9–e.25 ^{5, 40} , v2.4.9–e.27	QLogic QLA2342–E–SP ^{9, 19, 20, 21, 22, 31}	FC–AL, FC–SW	N	
100	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{5, 40} , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27	Emulex LP982–E ^{7, 19, 21, 41, 42, 43, 47, 54, 58}	FC–AL, FC–SW	Y ^{33, 34, 35, 36, 37, 38, 39}	
101	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{5, 40} , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex LP9802DC–E ^{7, 21, 41, 42, 43, 44, 47}	FC–AL, FC–SW	Y	
102	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{5, 16} , v2.4.9–e.16 ^{5, 16}	QLogic QLA2200F–EMC	FC–AL, FC–SW	Y ^{2, 3}	
103	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{5, 16} , v2.4.9–e.16 ^{5, 16}	QLogic: QLA2310F–E–SP, QLA2340–E–SP	FC–AL, FC–SW	Y ¹⁵	
104	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ⁵ , ES v2.4.9–e.27	Emulex: LP10000–E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP10000DC–E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP1050–E ^{7, 19, 21, 41, 42, 43, 44, 47, 59} , LP1050DC–E ^{7, 19, 21, 41, 42, 43, 44, 47, 59}	FC–AL, FC–SW	Y ^{33, 34, 35, 36, 37, 38, 39}	
105	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ⁵ , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex: LP10000–E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP10000DC–E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP1050–E ^{7, 19, 21, 41, 42, 43, 44, 47, 59} , LP1050DC–E ^{7, 19, 21, 41, 42, 43, 44, 47, 59}	FC–AL, FC–SW	N	See ²⁴
106	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ⁵	Emulex LP9002DC–E ^{55, 56}	FC–AL, FC–SW	Y ^{2, 3, 15}	
107	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ⁵	Emulex LP9002DC–E ^{55, 56} , QLogic QLA2342–E–SP ^{7, 10, 19}	FC–AL, FC–SW	N	
108	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ⁵	Emulex LP9802–E	FC–AL, FC–SW	Y	
109	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex: LP10000–E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP10000DC–E ^{7, 19, 41, 42, 44, 46, 50, 51} , LP1050–E ^{7, 19, 21, 41, 42, 43, 44, 47, 59} , LP1050DC–E ^{7, 19, 21, 41, 42, 43, 44, 47, 59} , LP982–E ^{7, 19, 21, 41, 42, 43, 47, 54, 58}	FC–AL, FC–SW	Y ^{34, 35, 36, 37, 38, 39}	
110	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.10 ^{5, 6, 16} , 8.0 updated to v2.4.20–20.8 ⁵	QLogic QLA2200F–EMC ^{7, 8, 9, 10}	FC–AL, FC–SW	N	
111	Netserver LC: 2000 U3, 2000r; Netserver LP 2000r; Proliant: DL380(G3), DL580(G2) ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.27 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27 ⁵ ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex LP9802–E ^{21, 41, 42, 43, 44, 47}	FC–AL, FC–SW ¹⁹	Y	
112	Proliant: DL360(G3), DL740, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27 ⁵ ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex LP9802–E ^{21, 41, 42, 43, 44, 47}	FC–AL, FC–SW ¹⁹	Y	
113	Proliant BL40p	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	QLogic QLA2200F–EMC ^{7, 8, 9, 10}	FC–AL, FC–SW ¹⁹	N	See ²⁵

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
114	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27 ⁵ ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex LP9802–E ²¹ , 41, 42, 43, 44, 47	FC–AL, FC–SW ¹⁹	Y	
115	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ¹² , 800, 8500, DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex LP9002DC–E ⁷ , 19, 21, 42, 43, 44, 47, 48, 49	FC–AL, FC–SW ¹⁹ , 46	Y ^{33, 34} , 35, 36, 37, 38, 39	
116	Netserver LT 6000R; Proliant: 2500 ¹² , 800, 8500, DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380 ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex LP9802–E ²¹ , 41, 42, 43, 44, 47	FC–AL, FC–SW ¹⁹ , 46	Y	
117	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ¹² , 800, 8500, DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex LP9002DC–E ⁷ , 19, 21, 42, 43, 44, 47, 48, 49	FC–AL, FC–SW ¹⁹ , 46	Y ^{32, 33} , 34, 35, 36, 37, 38, 39, 53	
118	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27	Emulex LP9002DC–E ⁷ , 19, 21, 42, 43, 44, 47, 48, 49	FC–AL, FC–SW ¹⁹ , 46	Y ^{33, 34} , 35, 36, 37, 38, 39	
119	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex LP9002DC–E ⁷ , 19, 21, 42, 43, 44, 47, 48, 49	FC–AL, FC–SW ¹⁹ , 46	N	
120	Proliant DL560	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex LP9802–E ²¹ , 41, 42, 43, 44, 47	FC–AL, FC–SW ¹⁹ , 46	Y	
121	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex LP9802–E ⁷ , 41, 42, 43, 44, 47	FC–AL, FC–SW ¹⁹ , 46	Y	
122	Proliant BL40p	PCI-X	Red Hat Linux 2.1 ES v2.4.9–e.24 ⁵	Emulex LP9802–E ⁴¹ , 42, 43, 44, 47	FC–AL, FC–SW ¹⁹ , 46	Y	
123	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex LP9002DC–E ⁷ , 19, 21, 42, 43, 44, 47, 48, 49	FC–AL, FC–SW ¹⁹ , 46	Y ^{32, 33} , 34, 35, 36, 37, 38, 39, 53	
124	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27	Emulex LP9002DC–E ⁷ , 19, 21, 42, 43, 44, 47, 48, 49	FC–AL, FC–SW ¹⁹ , 46	Y ^{33, 34} , 35, 36, 37, 38, 39	
125	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁵	Emulex LP9002DC–E ⁷ , 19, 21, 42, 43, 44, 47, 48, 49	FC–AL, FC–SW ¹⁹ , 46	Y ^{32, 33} , 34, 35, 36, 37, 38, 39, 53	
126	Netserver LH 3000; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 7000 ^{11, 12} , 800, 8000 ^{11, 12} , 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{4, 5, 6}	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC–AL, FC–SW ²	Y ^{1, 15}	
127	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{4, 5, 6, 23}	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC–AL, FC–SW ²	Y ^{1, 15} , 32, 33, 34, 35, 36, 37, 38, 39	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
128	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LPR, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{16, 23} , v2.4.9-E.12 ^{16, 23} , v2.4.9-E.16 ^{16, 23} , v2.4.9-E.3 ²³ , v2.4.9-E.9 ^{16, 23} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{16, 23} , v2.4.9-e.16 ^{16, 23}	QLogic QLA2340-E-SP ^{7, 20, 22}	FC-AL, FC-SW ²	Y ^{15, 32} , 33, 34, 35, 36, 37, 38, 39	
129	Netserver LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{16, 23} , v2.4.9-E.12 ^{16, 23} , v2.4.9-E.16 ^{16, 23} , v2.4.9-E.3 ²³ , v2.4.9-E.9 ^{16, 23} , v2.4.9-e.24 ²³ , v2.4.9-e.25 ²³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{16, 23} , v2.4.9-e.16 ^{16, 23} , v2.4.9-e.25 ²³ , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	N, Y ¹⁵ , 32, 33, 34, 35, 36, 37, 38, 39	
130	Netserver LH PRO	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{16, 23} , v2.4.9-E.12 ^{16, 23} , v2.4.9-E.16 ^{16, 23} , v2.4.9-E.3 ²³ , v2.4.9-E.9 ^{16, 23} , v2.4.9-e.24 ²³ , v2.4.9-e.25 ^{23, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{16, 23} , v2.4.9-e.16 ^{16, 23} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 23, 40} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	N, Y ¹⁵ , 32, 33, 34, 35, 36, 37, 38, 39	
131	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{16, 23} , v2.4.9-E.12 ^{16, 23} , v2.4.9-E.16 ^{5, 16, 23} , v2.4.9-E.9 ^{5, 16, 23} , v2.4.9-e.24 ²³ , v2.4.9-e.25 ²³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16, 23} , v2.4.9-e.16 ^{5, 16, 23} , v2.4.9-e.25 ²³ , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	Y ^{15, 32} , 33, 34, 35, 36, 37, 38, 39	
132	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{16, 23} , v2.4.9-E.12 ^{16, 23} , v2.4.9-E.16 ^{5, 16, 23} , v2.4.9-E.9 ^{5, 16, 23} , v2.4.9-e.24 ^{5, 23, 40} , v2.4.9-e.25 ^{5, 23, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16, 23} , v2.4.9-e.16 ^{5, 16, 23} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 23, 40} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	Y ^{15, 32} , 33, 34, 35, 36, 37, 38, 39	
133	Proliant 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	N	
134	Proliant: 7000 ^{11, 12} , ML350(G2) ¹² , ML350(G3), ML530(G2) ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	N	
135	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16, 23} , v2.4.9-E.12 ^{5, 16, 23} , v2.4.9-E.16 ^{5, 16, 23} , v2.4.9-E.3 ^{4, 5, 6, 23} , v2.4.9-E.9 ^{5, 16, 23} , v2.4.9-e.24 ²³ , v2.4.9-e.25 ²³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16, 23} , v2.4.9-e.16 ^{5, 16, 23} , v2.4.9-e.25 ²³ , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ⁵ , 8.0 updated to v2.4.20-20.8 ⁵	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
136	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16, 23} , v2.4.9-E.12 ^{5, 16, 23} , v2.4.9-E.16 ^{5, 16, 23} , v2.4.9-E.34 ^{5, 6, 23} , v2.4.9-E.40 ^{5, 16, 23} , v2.4.9-E.24 ^{5, 23, 40} , v2.4.9-e.25 ^{5, 23, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16, 23} , v2.4.9-e.16 ^{5, 16, 23} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 23, 40} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ⁵ , 8.0 updated to v2.4.20-20.8 ⁵	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	N	
137	Netserver LH 3000; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 800, 8000 ^{11, 12} , 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.34 ^{5, 6} , v2.4.9-E.9 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ⁵ , 8.0 updated to v2.4.20-20.8 ⁵	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	N	
138	Netserver LH 3000; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 7000 ^{11, 12} , 800, 8000 ^{11, 12} , 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5, 16} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	Y ¹⁵	
139	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²³ , v2.4.9-e.25 ²³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ²³ , v2.4.9-e.27	QLogic QLA2340-E-SP ^{7, 20, 22, 31}	FC-AL, FC-SW ²	Y ^{15, 32, 33, 34, 35, 36, 37, 38, 39}	
140	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 23, 40} , v2.4.9-e.25 ^{5, 23, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 23, 40} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{7, 20, 22, 31}	FC-AL, FC-SW ²	Y ^{15, 32, 33, 34, 35, 36, 37, 38, 39}	
141	Proliant ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	N, Y ^{13, 15, 32, 33, 34, 35, 36, 37, 38, 39}	
142	Proliant: ML350(G2) ¹² , ML350(G3), ML370(G2), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	Y ^{15, 32, 33, 34, 35, 36, 37, 38, 39}	
143	Netserver LH 3000; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 7000 ^{11, 12} , 800, 8000 ^{11, 12} , 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350 ¹² , ML370(G3), ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57} , QLogic QLA2340-E-SP ^{7, 20, 22, 31}	FC-AL, FC-SW ²	Y ^{15, 32, 33, 34, 35, 36, 37, 38, 39}	
144	Proliant DL380(G3)	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{5, 16} , ES v2.4.9-e.12 ^{5, 16} , ES v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	Y ¹⁵	
145	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro) 3, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	Y ¹⁵	
146	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.34 ^{5, 6}	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	Y ^{1, 15}	
147	Proliant DL740	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
148	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.34, 5, 6, v2.4.9-E.9 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ⁵ , 8.0 updated to v2.4.20-20.8 ⁵	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	N	
149	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{5, 16} , v2.4.9-E.34, 5, 6, v2.4.9-e.24 ⁵ , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	N	
150	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5, 16} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	Y ¹⁵	
151	Proliant: DL740, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	Y ^{15, 32, 33, 34, 35, 36, 37, 38, 39}	
152	Proliant: DL360(G3), DL560	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57} , QLogic QLA2340-E-SP ^{7, 20, 22, 31}	FC-AL, FC-SW ²	Y ^{15, 32, 33, 34, 35, 36, 37, 38, 39}	
153	Proliant DL740	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{5, 16} , ES v2.4.9-e.12 ^{5, 16} , ES v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	Y ¹⁵	
154	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.34, 5, 6	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	Y ^{1, 15}	
155	Proliant DL580(G2) ¹²	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.34, 5, 6, v2.4.9-E.9 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	N	
156	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.34, 5, 6, v2.4.9-E.9 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ⁵ , 8.0 updated to v2.4.20-20.8 ⁵	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	N	
157	Proliant DL580(G2) ¹²	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5, 16} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16}	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	Y ¹⁵	
158	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5, 16} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	Y ¹⁵	
159	Proliant DL580(G2) ¹²	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57}	FC-AL, FC-SW ²	Y ^{15, 32, 33, 34, 35, 36, 37, 38, 39}	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
160	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{7, 9, 10, 27, 31, 57} ; QLogic QLA2340-E-SP ^{7, 20, 22, 31}	FC-AL, FC-SW ²	Y ^{15, 32, 33, 34, 35, 36, 37, 38, 39}	
161	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ¹² , 800, 8500, DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ⁷ , 21, 41, 42, 43, 44, 45, 47	FC-AL, FC-SW ⁴	Y ^{33, 34, 35, 36, 37, 38, 39}	
162	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ¹² , 800, 8500, DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP9002-E (LP9002L-E) ⁷ , 21, 41, 42, 43, 44, 45, 47	FC-AL, FC-SW ⁴	Y ^{32, 33, 34, 35, 36, 37, 38, 39, 53}	
163	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ⁷ , 21, 41, 42, 43, 44, 45, 47	FC-AL, FC-SW ⁴	Y ^{33, 34, 35, 36, 37, 38, 39}	
164	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP9002-E (LP9002L-E) ⁷ , 41, 42, 43, 44, 45	FC-AL, FC-SW ⁴	N	
165	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP9002-E (LP9002L-E) ⁷ , 21, 41, 42, 43, 44, 45, 47	FC-AL, FC-SW ⁴	Y ^{32, 33, 34, 35, 36, 37, 38, 39, 53}	
166	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ⁷ , 21, 41, 42, 43, 44, 45, 47	FC-AL, FC-SW ⁴	Y ^{33, 34, 35, 36, 37, 38, 39}	
167	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP9002-E (LP9002L-E) ⁷ , 21, 41, 42, 43, 44, 45, 47	FC-AL, FC-SW ⁴	Y ^{32, 33, 34, 35, 36, 37, 38, 39, 53}	
168	Netserver LH 3000; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 7000 ^{11, 12} , 800, 8000 ^{11, 12} , 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4, 5, 6}	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	Y ^{1, 15}	
169	Netserver LC: 2000 U3, 2000R; Netserver LH: (LH Pro), 3, 4, 6000, II, III; Netserver: LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4, 5, 6, 23}	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	Y ^{1, 15, 32, 33, 34, 35, 36, 37, 38, 39}	
170	Netserver LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{16, 23} , v2.4.9-E.12 ^{16, 23} , v2.4.9-E.16 ^{16, 23} , v2.4.9-E.3 ²³ , v2.4.9-E.9 ^{16, 23} , v2.4.9-e.24 ²³ , v2.4.9-e.25 ²³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{16, 23} , v2.4.9-e.16 ^{16, 23} , v2.4.9-e.25 ²³ , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	N, Y ^{15, 32, 33, 34, 35, 36, 37, 38, 39}	
171	Netserver LH PRO	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{16, 23} , v2.4.9-E.12 ^{16, 23} , v2.4.9-E.16 ^{16, 23} , v2.4.9-E.3 ²³ , v2.4.9-E.9 ^{16, 23} , v2.4.9-e.24 ²³ , v2.4.9-e.25 ^{23, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{16, 23} , v2.4.9-e.16 ^{16, 23} , v2.4.9-e.24 ^{23, 40} , v2.4.9-e.25 ^{23, 40} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	N, Y ^{15, 32, 33, 34, 35, 36, 37, 38, 39}	
172	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{16, 23} , v2.4.9-E.12 ^{16, 23} , v2.4.9-E.16 ^{16, 23} , v2.4.9-E.9 ^{16, 23} , v2.4.9-e.24 ²³ , v2.4.9-e.25 ²³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{16, 23} , v2.4.9-e.16 ^{16, 23} , v2.4.9-e.25 ²³ , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	Y ^{15, 32, 33, 34, 35, 36, 37, 38, 39}	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
173	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{16, 23} , v2.4.9-E.12 ^{16, 23} , v2.4.9-E.16 ^{5, 16, 23} , v2.4.9-E.9 ^{5, 16, 23} , v2.4.9-e.24 ^{5, 23, 40} , v2.4.9-e.25 ^{5, 23, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16, 23} , v2.4.9-e.16 ^{5, 16, 23} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 23, 40} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	Y ^{15, 32} , 33, 34, 35, 36, 37, 38, 39	
174	Proliant 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	N	
175	Proliant: 7000 ^{11, 12} , ML350(G2) ¹² , ML350(G3), ML530(G2) ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	N	
176	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16, 23} , v2.4.9-E.12 ^{5, 16, 23} , v2.4.9-E.16 ^{5, 16, 23} , v2.4.9-E.3 ^{4, 5, 6, 23} , v2.4.9-E.9 ^{5, 16, 23} , v2.4.9-e.24 ²³ , v2.4.9-e.25 ²³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16, 23} , v2.4.9-e.16 ^{5, 16, 23} , v2.4.9-e.25 ²³ , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ⁵ , 8.0 updated to v2.4.20-20.8 ⁵	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	N	
177	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16, 23} , v2.4.9-E.12 ^{5, 16, 23} , v2.4.9-E.16 ^{5, 16, 23} , v2.4.9-E.3 ^{4, 5, 6, 23} , v2.4.9-E.9 ^{5, 16, 23} , v2.4.9-e.24 ^{5, 23, 40} , v2.4.9-e.25 ^{5, 23, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16, 23} , v2.4.9-e.16 ^{5, 16, 23} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 23, 40} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ⁵ , 8.0 updated to v2.4.20-20.8 ⁵	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	N	
178	Netserver LH 3000; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 7000 ^{11, 12} , 800, 8000 ^{11, 12} , 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16, 23} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ⁵ , 8.0 updated to v2.4.20-20.8 ⁵	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	N	
179	Netserver LH 3000; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 7000 ^{11, 12} , 800, 8000 ^{11, 12} , 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5, 16} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	Y ¹⁵	
180	Netserver LH 3000; Proliant: 1600 ^{12, 14} , 1850 ¹² , 2500 ¹² , 3000 ¹² , 5000 ¹² , 5500 ^{11, 12} , 6000 ^{11, 12} , 6400R ¹² , 6500 ^{11, 12} , 7000 ^{11, 12} , 800, 8000 ^{11, 12} , 850, 850 ¹² , DL320 ¹² , DL360(G2) ¹² , DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL580(G2) ¹² , DL580 ¹² , ML350(G2) ¹² , ML350(G3), ML350 ¹² , ML370(G2), ML370(G3), ML370 ¹² , ML530(G2) ¹² , ML530 ¹² , ML570 ¹² , ML750 ¹³	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	Y ^{15, 32} , 33, 34, 35, 36, 37, 38, 39	
181	Proliant ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	N, Y ¹³ , 15, 32, 33, 34, 35, 36, 37, 38, 39	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
182	Proliant DL380(G3)	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{5, 16} , ES v2.4.9-e.12 ^{5, 16} , 16 ^{5, 16} , ES v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	Y ¹⁵	
183	Netsserver LC: 2000 U3, 2000r; Netsserver LH: (LH Pro), 3, 4, 6000, II, III; Netsserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	Y ¹⁵	
184	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4, 5, 6}	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	Y ^{1, 15}	
185	Proliant DL740	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	N	
186	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ⁵ , 8.0 updated to v2.4.20-20.8 ⁵	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	N	
187	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{5, 16} , v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-e.24 ⁵ , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	N	
188	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5, 16} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	Y ¹⁵	
189	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ¹² , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	Y ^{15, 32, 33, 34, 35, 36, 37, 38, 39}	
190	Proliant DL740	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{5, 16} , ES v2.4.9-e.12 ^{5, 16} , 16 ^{5, 16} , ES v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	Y ¹⁵	
191	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4, 5, 6}	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	Y ^{1, 15}	
192	Proliant DL580(G2) ¹²	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.9 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	N	
193	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} , v2.4.9-e.24 ^{5, 40} , v2.4.9-e.25 ^{5, 40} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ⁵ , 8.0 updated to v2.4.20-20.8 ⁵	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
194	Proliant DL580(G2) ¹²	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{5, 16} , v2.4.9–E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{5, 16} , v2.4.9–e.16 ^{5, 16}	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	Y ¹⁵	
195	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{5, 16} , v2.4.9–E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{5, 16} , v2.4.9–e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ⁵	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	Y ¹⁵	
196	Proliant: DL580(G2) ¹² , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{5, 40} , v2.4.9–e.25 ^{5, 40} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{5, 40} , v2.4.9–e.25 ^{5, 40} , v2.4.9–e.27	HPQ FCA2214DC (QLA2342) ^{7, 9, 10, 27, 31, 57}	FC-AL ²¹ FC-SW	Y ^{15, 32, 33, 34, 35, 36, 37, 38, 39}	

- This kernel is limited to 110 devices, not 128.
- Install with driver provided by RedHat 7.2 Installer and upgrade to the EMC-approved driver after installation.
- Requires QLogic driver 4.47.18 and BIOS 1.83.
- The kernel version listed is included in the corresponding standard distributed release.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPK.
- Supported with QLogic driver v6.05.00.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- Driver Version v6.05.00.
- Driver Version v6.x series. Supports persistent binding and only supports Class 3.
- Includes both Pentium PRO and XEON models
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- Requires QLogic driver 4.47.18 driver disk, dd.img–i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath.
- Booting from EMC storage arrays is NOT supported with PowerPath.
- Requires v6.05 or higher Navisphere host agent/CLI.
- This system is supported with Red Hat 2.1 Advanced Server v2.4.9–E.3 and updated with v2.4.9–E.9, E.10, and E.12 RPMs.
- Single HBA zoning is required regardless of the switch being utilized.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPK.
- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- 8 LUNs supported; 2–node AL connection only.
- This HBA is equivalent to the qLogic QLA2310.
- Driver Version v6.04.02.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- When used with the HP NetServer LC2000: 32 device maximum.
- Dual port PCI-X fibre channel mezzanine card option is embedded. No PCI/PCI-X slots available.
- Driver Version v6.04.01.
- Only one HBA is qualified for use in the Linux host when booting from the CLARiON via fabric.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group.
- Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- FCode value 1.63a2.
- Driver Version 1.23a.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- The LP9002–E now ships with the LP9002L–E low profile adapter.
- FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- Firmware Version 3.90a7.
- FCode value 1.63a.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
- Firmware Version 1.80a2.
- Firmware Version 1.01a2.
- Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.
- Firmware Version 1.02a0.
- Driver Version v1.22e.
- Firmware Version v3.90a7.
- Requires BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- Firmware Version 1.80a3.

IBM

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{4, 5, 6}	IBM: 00N6881 (QLA2200) ^{7, 8, 10, 11, 18, 19} 19K1246(QLA2310) ^{7, 8, 10, 11, 17, 18, 24} P0960(QLA2340) ^{7, 8, 10, 11, 18, 20}	FC-AL, FC-SW	Y ¹	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
2	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4,5,6}	IBM: 19K1246(QLA2310) ^{7,8,10,11,17,18} , 24P0960(QLA2340) ^{7,8,10,11,18,20} ; QLogic: QLA2200F, QLA2310F-E-SP ^{7,8,10,11} , QLA2340-E-SP ^{7,8,10,11}	FC-AL, FC-SW	Y ¹	
3	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4,5,6}	QLogic QLA2200F-EMC ^{7,8,10,11}	FC-AL, FC-SW	Y ^{1,2,3}	
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4,5,6}	QLogic: QLA2310F-E-SP ^{7,8,10,11} , QLA2340-E-SP ^{7,8,10,11}	FC-AL, FC-SW	Y ^{1,15}	
5	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5,6,16} , v2.4.9-E.12 ^{5,16} , v2.4.9-E.16 ^{5,16} , v2.4.9-E.9 ^{5,16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5,16} , v2.4.9-e.16 ^{5,16}	IBM 19K1246(QLA2310) ¹⁷	FC-AL, FC-SW	N	
6	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5,6,16,21} , v2.4.9-E.12 ^{5,16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	QLogic QLA2200F-EMC ^{7,8,10,11}	FC-AL, FC-SW	N	
7	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5,6,16} , v2.4.9-E.12 ^{5,16}	IBM: 19K1246(QLA2310) ^{7,8,10,11,17,18} , 24P0960(QLA2340) ^{7,8,10,11,18,20} ; QLogic: QLA2200F, QLA2310F-E-SP ^{7,8,10,11} , QLA2340-E-SP ^{7,8,10,11}	FC-AL, FC-SW	N	
8	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁴ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5,6,16} , v2.4.9-E.12 ^{5,16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	IBM: 00N6881 (QLA2200) ^{7,8,10,11,18,19} , 19K1246(QLA2310) ^{7,8,10,11,17,18} , 24P0960(QLA2340) ^{7,8,10,11,18,20} ; QLogic: QLA2200F-EMC ^{7,8,10,11} , QLA2310F-E-SP ^{7,8,10,11} , QLA2340-E-SP ^{7,8,10,11}	FC-AL, FC-SW	N	
9	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5,6,16} , v2.4.9-E.12 ^{5,16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	IBM: 00N6881 (QLA2200) ^{7,8,10,11,18,19} , 19K1246(QLA2310) ^{7,8,10,11,17,18} , 24P0960(QLA2340) ^{7,8,10,11,18,20} ; QLogic: QLA2310F-E-SP ^{7,8,10,11} , QLA2340-E-SP ^{7,8,10,11}	FC-AL, FC-SW	N	
10	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5,6,16} , v2.4.9-E.12 ^{5,16} , v2.4.9-E.16 ^{5,16} , v2.4.9-E.3 ^{4,5,6} , v2.4.9-E.9 ^{5,16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5,16} , v2.4.9-e.16 ^{5,16}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
11	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x345, x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5,6,16} , v2.4.9-E.12 ^{5,16} , v2.4.9-E.16 ^{5,16} , v2.4.9-E.3 ^{4,5,6} , v2.4.9-E.9 ^{5,16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5,16} , v2.4.9-e.16 ^{5,16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
12	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5,6,16} , v2.4.9-E.12 ^{5,16} , v2.4.9-E.16 ^{5,16} , v2.4.9-E.3 ^{4,5,6} , v2.4.9-E.9 ^{5,16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5,16} , v2.4.9-e.16 ^{5,16} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ⁵ , 8.0 updated to v2.4.20-20.8 ⁵	QLogic: QLA2200F-EMC ^{7,8,10,11} , QLA2310F-E-SP ^{7,8,10,11} , QLA2340-E-SP ^{7,8,10,11}	FC-AL, FC-SW	N	
13	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5,16} , v2.4.9-E.9 ^{5,16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5,16} , v2.4.9-e.16 ^{5,16}	IBM: 19K1246(QLA2310) ^{7,8,10,11,17,18} , 24P0960(QLA2340) ^{7,8,10,11,18,20} ; QLogic: QLA2200F, QLA2310F-E-SP ^{7,8,10,11} , QLA2340-E-SP ^{7,8,10,11}	FC-AL, FC-SW	Y	
14	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5,16} , v2.4.9-E.9 ^{5,16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5,16} , v2.4.9-e.16 ^{5,16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	IBM: 00N6881 (QLA2200) ^{7,8,10,11,18,19} , 19K1246(QLA2310) ^{7,8,10,11,17,18} , 24P0960(QLA2340) ^{7,8,10,11,18,20}	FC-AL, FC-SW	Y	
15	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5,16} , v2.4.9-E.9 ^{5,16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5,16} , v2.4.9-e.16 ^{5,16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	QLogic QLA2200F-EMC ^{7,8,10,11}	FC-AL, FC-SW	Y ^{2,3}	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
16	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5, 16} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	QLogic: QLA2310F-E-SP ^{7, 8, 10, 11} , QLA2340-E-SP ^{7, 8, 10, 11}	FC-AL, FC-SW	Y ¹⁵	
17	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ^{5, 30} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ^{5, 30} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{7, 31, 32, 33}	FC-AL, FC-SW	Y ^{15, 22, 23, 24, 25, 26, 27, 28, 29}	
18	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³⁶ , 7100, 7600, 8500, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x345, x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ^{5, 30} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ^{5, 30} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{11, 31, 32, 33, 34, 35}	FC-AL, FC-SW	N	
19	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27	Emulex LP982-E ^{7, 34, 35, 37, 39, 42, 43, 61, 62}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29}	
20	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP9802DC-E ^{7, 34, 37, 39, 41, 42, 43}	FC-AL, FC-SW	Y	
21	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP9802DC-E ^{7, 34, 37, 39, 41, 43}	FC-AL, FC-SW	Y	
22	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP982-E ^{7, 34, 35, 37, 39, 42, 43, 61, 62}	FC-AL, FC-SW	N	
23	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ⁵ , ES v2.4.9-e.27	Emulex: LP10000-E ^{7, 35, 37, 38, 39, 41, 47, 48} , LP10000DC-E ^{7, 35, 37, 38, 39, 41, 47, 48} , LP1050-E ^{7, 34, 35, 37, 39, 41, 42, 43, 63} , LP1050DC-E ^{7, 34, 35, 37, 39, 41, 42, 43, 63}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29}	
24	Netfinity 8500	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ⁵ , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex: LP10000-E ^{7, 35, 37, 38, 39, 41, 47, 48} , LP10000DC-E ^{7, 35, 37, 38, 39, 41, 47, 48} , LP1050-E ^{7, 34, 35, 37, 39, 41, 42, 43, 63} , LP1050DC-E ^{7, 34, 35, 37, 39, 41, 42, 43, 63}	FC-AL, FC-SW	N	
25	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ⁵ , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex: LP10000-E ^{7, 35, 37, 38, 39, 41, 47, 48} , LP10000DC-E ^{7, 35, 37, 38, 39, 41, 47, 48} , LP1050-E ^{7, 34, 35, 37, 39, 41, 42, 43, 63} , LP1050DC-E ^{7, 34, 35, 37, 39, 41, 42, 43, 63}	FC-AL, FC-SW	N	See ⁴⁶
26	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	Emulex LP9002DC-E ^{57, 58}	FC-AL, FC-SW	Y ^{2, 3, 15}	
27	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x345, x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	Emulex LP9002DC-E ^{57, 58} . QLogic QLA2342-E-SP ^{7, 10, 35}	FC-AL, FC-SW	N	
28	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x345, x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	Emulex LP9802-E	FC-AL, FC-SW	Y	
29	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex: LP10000-E ^{7, 35, 37, 38, 39, 41, 47, 48} , LP10000DC-E ^{7, 35, 37, 38, 39, 41, 47, 48} , LP1050-E ^{7, 34, 35, 37, 39, 41, 42, 43, 63} , LP1050DC-E ^{7, 34, 35, 37, 39, 41, 42, 43, 63} , LP982-E ^{7, 34, 35, 37, 39, 42, 43, 61, 62}	FC-AL, FC-SW	Y ^{24, 25, 26, 27, 28, 29}	
30	xSeries x360 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4, 5, 6}	IBM: 00N6881 (QLA2200) ^{7, 8, 10, 11, 18, 19} 19K1246(QLA2310) ^{7, 8, 10, 11, 17, 18} , 24P0960(QLA2340) ^{7, 8, 10, 11, 18, 20}	FC-AL, FC-SW	Y ¹	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
31	xSeries x360 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4, 5, 6}	QLogic QLA2200F-EMC ^{7, 8, 10, 11}	FC-AL, FC-SW	Y ^{1, 2, 3}	
32	xSeries x360 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4, 5, 6}	QLogic: QLA2310F-E-SP ^{7, 8, 10, 11} , QLA2340-E-SP ^{7, 8, 10, 11}	FC-AL, FC-SW	Y ^{1, 15}	
33	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16}	IBM: 00N6881 (QLA2200) ^{7, 8, 10, 11, 18, 19} 19K1246(QLA2310) ^{7, 8, 10, 11, 17, 18} , 24P0960(QLA2340) ^{7, 8, 10, 11, 18, 20} ; QLogic: QLA2200F-EMC ^{7, 8, 10, 11} , QLA2310F-E-SP ^{7, 8, 10, 11} , QLA2340-E-SP ^{7, 8, 10, 11}	FC-AL, FC-SW	N	
34	xSeries x360 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	IBM: 00N6881 (QLA2200) ^{7, 8, 10, 11, 18, 19} 19K1246(QLA2310) ^{7, 8, 10, 11, 17, 18} , 24P0960(QLA2340) ^{7, 8, 10, 11, 18, 20} ; QLogic: QLA2200F-EMC ^{7, 8, 10, 11} , QLA2310F-E-SP ^{7, 8, 10, 11} , QLA2340-E-SP ^{7, 8, 10, 11}	FC-AL, FC-SW	N	
35	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.31 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
36	xSeries x360 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
37	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5, 16} , v2.4.9-E.31 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16}	QLogic QLA2200F-EMC ^{7, 8, 10, 11}	FC-AL, FC-SW	Y ^{2, 3}	
38	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5, 16} , v2.4.9-E.31 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16}	QLogic: QLA2310F-E-SP ^{7, 8, 10, 11} , QLA2340-E-SP ^{7, 8, 10, 11}	FC-AL, FC-SW	Y ¹⁵	
39	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5, 16} , v2.4.9-E.31 ^{4, 5, 6} , v2.4.9-E.9 ^{5, 6, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16}	IBM: 00N6881 (QLA2200) ^{7, 8, 10, 11, 18, 19} 19K1246(QLA2310) ^{7, 8, 10, 11, 17, 18} , 24P0960(QLA2340) ^{7, 8, 10, 11, 18, 20}	FC-AL, FC-SW	Y	
40	xSeries x360 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5, 16} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	IBM: 00N6881 (QLA2200) ^{7, 8, 10, 11, 18, 19} 19K1246(QLA2310) ^{7, 8, 10, 11, 17, 18} , 24P0960(QLA2340) ^{7, 8, 10, 11, 18, 20}	FC-AL, FC-SW	Y	
41	xSeries x360 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5, 16} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	QLogic QLA2200F-EMC ^{7, 8, 10, 11}	FC-AL, FC-SW	Y ^{2, 3}	
42	xSeries x360 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5, 16} , v2.4.9-E.9 ^{5, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	QLogic: QLA2310F-E-SP ^{7, 8, 10, 11} , QLA2340-E-SP ^{7, 8, 10, 11}	FC-AL, FC-SW	Y ¹⁵	
43	xSeries: x255, x360 ⁹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ^{5, 30} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ^{5, 30} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{11, 31, 32, 33, 34, 35}	FC-AL, FC-SW	N	
44	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ^{5, 30} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ^{5, 30} , v2.4.9-e.27	QLogic: QLA2340-E-SP ^{7, 31, 32, 33} , QLA2342-E-SP ^{11, 31, 32, 33, 34, 35}	FC-AL, FC-SW	N	
45	xSeries: x255, x360 ⁹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27	Emulex LP982-E ^{7, 34, 35, 37, 39, 42, 43, 61, 62}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29}	
46	xSeries: x255, x360 ⁹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP9802DC-E ^{7, 34, 37, 39, 41, 42, 43}	FC-AL, FC-SW	Y	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
47	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP9802DC-E7, 34, 37, 39, 41, 43	FC-AL, FC-SW	Y	
48	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP982-E7, 34, 35, 37, 39, 42, 43, 61, 62	FC-AL, FC-SW	N	
49	eServer BladeCenter HS20 (Model 8678) ⁵⁴	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{59, 60}	FC-AL, FC-SW	Y	
50	eServer BladeCenter HS20 (Model 8832) ⁵⁴	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 6} , v2.4.9-e.25 ^{5, 6} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 6} , v2.4.9-e.25 ^{5, 6} , v2.4.9-e.27	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{59, 60}	FC-AL, FC-SW	Y	
51	xSeries: x255, x360 ⁹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ⁵ , ES v2.4.9-e.27	Emulex: LP10000-E7, 35, 37, 38, 39, 41, 47, 48, LP10000DC-E7, 35, 37, 38, 39, 41, 47, 48, LP1050-E7, 34, 35, 37, 39, 41, 42, 43, 63, LP1050DC-E7, 34, 35, 37, 39, 41, 42, 43, 63	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29}	
52	xSeries x235	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ⁵ , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex: LP10000-E7, 35, 37, 38, 39, 41, 47, 48, LP10000DC-E7, 35, 37, 38, 39, 41, 47, 48, LP1050-E7, 34, 35, 37, 39, 41, 42, 43, 63, LP1050DC-E7, 34, 35, 37, 39, 41, 42, 43, 63	FC-AL, FC-SW	N	
53	xSeries: x360, x440	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ⁵ , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex: LP10000-E7, 35, 37, 38, 39, 41, 47, 48, LP10000DC-E7, 35, 37, 38, 39, 41, 47, 48, LP1050-E7, 34, 35, 37, 39, 41, 42, 43, 63, LP1050DC-E7, 34, 35, 37, 39, 41, 42, 43, 63	FC-AL, FC-SW	N	See ⁴⁶
54	xSeries x360 ⁹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	Emulex LP9002DC-E57, 58	FC-AL, FC-SW	Y ^{2, 3, 15}	
55	xSeries x360 ⁹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	Emulex LP9002DC-E57, 58, QLogic QLA2342-E-SP7, 10, 35	FC-AL, FC-SW	N	
56	xSeries x360 ⁹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁵	Emulex LP9802-E	FC-AL, FC-SW	Y	
57	xSeries: x255, x360 ⁹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex: LP10000-E7, 35, 37, 38, 39, 41, 47, 48, LP10000DC-E7, 35, 37, 38, 39, 41, 47, 48, LP1050-E7, 34, 35, 37, 39, 41, 42, 43, 63, LP1050DC-E7, 34, 35, 37, 39, 41, 42, 43, 63, LP982-E7, 34, 35, 37, 39, 42, 43, 61, 62	FC-AL, FC-SW	Y ^{24, 25, 26, 27, 28, 29}	
58	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16}	IBM: 00N6881 (QLA2200) ^{7, 8, 10, 11, 18, 19} , 19K1246(QLA2310) ^{7, 8, 10, 11, 17, 18} , 24P0960(QLA2340) ^{7, 8, 10, 11, 18, 20} , QLogic: QLA2200F-EMC ^{7, 8, 10, 11} , QLA2310F-E-SP ^{7, 8, 10, 11} , QLA2340-E-SP ^{7, 8, 10, 11}	FC-AL, FC-SW	N	
59	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{5, 6, 16} , v2.4.9-E.12 ^{5, 16} , v2.4.9-E.16 ^{5, 16} , v2.4.9-E.31, 4, 5, 6, v2.4.9-E.9 ^{5, 16} , Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
60	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5, 16} , v2.4.9-E.31, 4, 5, 6, v2.4.9-E.9 ^{5, 16} , Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16}	QLogic QLA2200F-EMC ^{7, 8, 10, 11}	FC-AL, FC-SW	Y ^{2, 3}	
61	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5, 16} , v2.4.9-E.31, 4, 5, 6, v2.4.9-E.9 ^{5, 16} , Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16}	QLogic: QLA2310F-E-SP ^{7, 8, 10, 11} , QLA2340-E-SP ^{7, 8, 10, 11}	FC-AL, FC-SW	Y ¹⁵	
62	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{5, 16} , v2.4.9-E.31, 4, 5, 6, v2.4.9-E.9 ^{5, 6, 16} , Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{5, 16} , v2.4.9-e.16 ^{5, 16}	IBM: 00N6881 (QLA2200) ^{7, 8, 10, 11, 18, 19} , 19K1246(QLA2310) ^{7, 8, 10, 11, 17, 18} , 24P0960(QLA2340) ^{7, 8, 10, 11, 18, 20}	FC-AL, FC-SW	Y	
63	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ^{9, 30} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ^{5, 30} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{11, 31, 32, 33, 34, 35}	FC-AL, FC-SW	N	
64	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{5, 30} , v2.4.9-e.25 ⁹ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁹ , v2.4.9-e.27	Emulex LP982-E7, 34, 35, 37, 39, 42, 43, 61, 62	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29}	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
65	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP9802DC-E7, 34, 37, 39, 41, 42, 43	FC-AL, FC-SW	Y	
66	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP9802DC-E7, 34, 37, 39, 41, 43	FC-AL, FC-SW	Y	
67	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP982-E7, 34, 35, 37, 39, 42, 43, 61, 62	FC-AL, FC-SW	N	
68	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ⁵ , ES v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , v2.4.9-e.25 ⁵ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex: LP10000-E7, 35, 37, 38, 39, 41, 47, 48 LP10000DC-E7, 35, 37, 38, 39, 41, 47, 48 LP1050-E7, 34, 35, 37, 39, 41, 42, 43, 63, LP1050DC-E7, 34, 35, 37, 39, 41, 42, 43, 63	FC-AL, FC-SW	Y ^{23, 24} , 25, 26, 27, 28, 29	
69	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ⁵ , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex: LP10000-E7, 35, 37, 38, 39, 41, 47, 48 LP10000DC-E7, 35, 37, 38, 39, 41, 47, 48 LP1050-E7, 34, 35, 37, 39, 41, 42, 43, 63, LP1050DC-E7, 34, 35, 37, 39, 41, 42, 43, 63	FC-AL, FC-SW	N	
70	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ⁵ , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex: LP10000-E7, 35, 37, 38, 39, 41, 47, 48 LP10000DC-E7, 35, 37, 38, 39, 41, 47, 48 LP1050-E7, 34, 35, 37, 39, 41, 42, 43, 63, LP1050DC-E7, 34, 35, 37, 39, 41, 42, 43, 63	FC-AL, FC-SW	N	See ⁴⁶
71	xSeries x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex: LP10000-E7, 35, 37, 38, 39, 41, 47, 48 LP10000DC-E7, 35, 37, 38, 39, 41, 47, 48 LP1050-E7, 34, 35, 37, 39, 41, 42, 43, 63, LP1050DC-E7, 34, 35, 37, 39, 41, 42, 43, 63, LP982-E7, 34, 35, 37, 39, 42, 43, 61, 62	FC-AL, FC-SW	Y ^{24, 25} , 26, 27, 28, 29	
72	Netfinity 7000 M10 ³⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , ³⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , ³⁰ , v2.4.9-e.27	QLogic QLA2340-E-SP7, 31, 32, 33	FC-AL, FC-SW ³⁴	Y ^{14, 15} , 22, 23, 24, 25, 26, 27, 28, 29	
73	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , ³⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , ³⁰ , v2.4.9-e.27	QLogic QLA2340-E-SP7, 31, 32, 33	FC-AL, FC-SW ³⁴	N	
74	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , ³⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , ³⁰ , v2.4.9-e.27	QLogic QLA2340-E-SP7, 31, 32, 33	FC-AL, FC-SW ³⁴	Y ^{15, 22} , 23, 24, 25, 26, 27, 28, 29	
75	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , ³⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , ³⁰ , v2.4.9-e.27	QLogic QLA2340-E-SP7, 31, 32, 33	FC-AL, FC-SW ³⁴	Y ^{22, 23} , 24, 25, 26, 27, 28, 29	
76	xSeries x255	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , ³⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , ³⁰ , v2.4.9-e.27	QLogic QLA2340-E-SP7, 31, 32, 33	FC-AL, FC-SW ³⁴	Y ^{9, 15} , 22, 23, 24, 25, 26, 27, 28, 29	
77	xSeries: x360 ⁹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , ³⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , ³⁰ , v2.4.9-e.27	QLogic QLA2340-E-SP7, 31, 32, 33	FC-AL, FC-SW ³⁴	Y ^{15, 22} , 23, 24, 25, 26, 27, 28, 29	
78	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , ³⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , ³⁰ , v2.4.9-e.27	QLogic QLA2340-E-SP7, 31, 32, 33	FC-AL, FC-SW ³⁴	Y ^{15, 22} , 23, 24, 25, 26, 27, 28, 29	
79	Netfinity 8500; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , ³⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵ , ³⁰ , v2.4.9-e.25 ⁵ , ³⁰ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁵	Emulex LP9802-E ³⁴ , 37, 39, 41, 42, 43	FC-AL, FC-SW ³⁵	Y	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
80	xSeries: x235, x255, x360 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27 ⁵ ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex LP9802–E ^{34, 37, 39, 41, 42, 43}	FC-AL, FC-SW ^{35, 38}	Y	
81	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{5, 30} , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27	Emulex LP9002DC–E ^{7, 34, 35, 39, 41, 42, 43, 44, 45}	FC-AL, FC-SW ^{35, 38}	Y ^{23, 24, 25, 26, 27, 28, 29}	
82	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{5, 30} , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex LP9002DC–E ^{7, 34, 35, 39, 41, 42, 43, 44, 45}	FC-AL, FC-SW ^{35, 38}	N	
83	Netfinity 8500R; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27 ⁵ ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex LP9802–E ^{34, 37, 39, 41, 42, 43}	FC-AL, FC-SW ^{35, 38}	Y	
84	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex LP9002DC–E ^{7, 34, 35, 39, 41, 42, 43, 44, 45}	FC-AL, FC-SW ^{35, 38}	Y ^{22, 23, 24, 25, 26, 27, 28, 29, 64}	
85	xSeries: x255, x360 ⁹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{5, 30} , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27	Emulex LP9002DC–E ^{7, 34, 35, 39, 41, 42, 43, 44, 45}	FC-AL, FC-SW ^{35, 38}	Y ^{23, 24, 25, 26, 27, 28, 29}	
86	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{5, 30} , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex: LP9002–E (LP9002L–E) ^{7, 34, 37, 39, 40, 41, 43} , LP9002DC–E ^{7, 34, 35, 39, 41, 42, 43, 44, 45}	FC-AL, FC-SW ^{35, 38}	N	
87	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27 ⁵ ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex LP9802–E ^{34, 37, 39, 41, 42, 43}	FC-AL, FC-SW ^{35, 38}	Y	
88	xSeries x255	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex LP9002DC–E ^{7, 34, 35, 39, 41, 42, 43, 44, 45}	FC-AL, FC-SW ^{35, 38}	Y ^{9, 22, 23, 24, 25, 26, 27, 28, 29, 64}	
89	xSeries: x360 ⁹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex LP9002DC–E ^{7, 34, 35, 39, 41, 42, 43, 44, 45}	FC-AL, FC-SW ^{35, 38}	Y ^{22, 23, 24, 25, 26, 27, 28, 29, 64}	
90	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{5, 30} , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27	Emulex LP9002DC–E ^{7, 34, 35, 39, 41, 42, 43, 44, 45}	FC-AL, FC-SW ^{35, 38}	Y ^{23, 24, 25, 26, 27, 28, 29}	
91	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{5, 30} , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex LP9002DC–E ^{7, 34, 35, 39, 41, 42, 43, 44, 45}	FC-AL, FC-SW ^{35, 38}	N	
92	xSeries: x345, x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27 ⁵ ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex LP9802–E ^{34, 37, 39, 41, 42, 43}	FC-AL, FC-SW ^{35, 38}	Y	
93	xSeries x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex LP9002DC–E ^{7, 34, 35, 39, 41, 42, 43, 44, 45}	FC-AL, FC-SW ^{35, 38}	Y ^{22, 23, 24, 25, 26, 27, 28, 29, 64}	
94	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{5, 30} , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{7, 34, 37, 39, 40, 41, 42, 43}	FC-AL, FC-SW ^{35, 38}	Y ^{23, 24, 25, 26, 27, 28, 29}	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
95	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , ³⁰ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex LP9002-E (LP9002L-E) ^{7, 34, 37, 39, 40, 41, 43}	FC-AL, FC-SW ³⁴	N	
96	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex LP9002-E (LP9002L-E) ^{7, 34, 37, 39, 40, 41, 42, 43}	FC-AL, FC-SW ³⁴	Y ^{22, 23,} 24, 25, 26, 27, 28, 29, 64	
97	xSeries: x255, x360 ⁹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , ³⁰ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27	Emulex LP9002-E (LP9002L-E) ^{7, 34, 37, 39, 40, 41, 42, 43}	FC-AL, FC-SW ³⁴	Y ^{23, 24,} 25, 26, 27, 28, 29	
98	xSeries x255	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex LP9002-E (LP9002L-E) ^{7, 34, 37, 39, 40, 41, 42, 43}	FC-AL, FC-SW ³⁴	Y ^{9, 22,} 23, 24, 25, 26, 27, 28, 29, 64	
99	xSeries: x360 ⁹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex LP9002-E (LP9002L-E) ^{7, 34, 37, 39, 40, 41, 42, 43}	FC-AL, FC-SW ³⁴	Y ^{22, 23,} 24, 25, 26, 27, 28, 29, 64	
100	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , ³⁰ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27	Emulex LP9002-E (LP9002L-E) ^{7, 34, 37, 39, 40, 41, 42, 43}	FC-AL, FC-SW ³⁴	Y ^{23, 24,} 25, 26, 27, 28, 29	
101	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , ³⁰ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex LP9002-E (LP9002L-E) ^{7, 34, 37, 39, 40, 41, 43}	FC-AL, FC-SW ³⁴	N	
102	xSeries x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8⁵	Emulex LP9002-E (LP9002L-E) ^{7, 34, 37, 39, 40, 41, 42, 43}	FC-AL, FC-SW ³⁴	Y ^{22, 23,} 24, 25, 26, 27, 28, 29, 64	
103	eServer BladeCenter HS20 (Model 8678) ⁵⁴	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵ , v2.4.9–e.25 ⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080^{49, 50, 51, 52, 53, 55}, 02R9080^{51, 53}	FC-SW	Y	
104	eServer BladeCenter HS20 (Model 8832) ⁵⁴	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁵⁶ , v2.4.9–e.25 ⁵⁶ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁵⁶ , v2.4.9–e.25 ⁵⁶ , v2.4.9–e.27	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080^{49, 50, 51, 52, 53, 55}, 02R9080^{51, 53}	FC-SW	Y	

- This kernel is limited to 110 devices, not 128.
- Install with driver provided by RedHat 7.2 Installer and upgrade to the EMC-approved driver after installation.
- Requires QLogic driver 4.47.18 and BIOS 1.83.
- The kernel version listed is included in the corresponding standard distributed release.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supported with QLogic driver v6.05.00.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- PowerPath v3.02 not supported on this system.
- Driver Version v6.x series. Supports persistent binding and only supports Class 3.
- Driver Version v6.05.00.
- This system is supported with Red Hat 2.1 Advanced Server v2.4.9–E.3 and updated with v2.4.9–E.9, E.10, and E.12 RPMs.
- PowerPath v3.0.2 b069 is not supported on this system.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- Requires QLogic driver 4.47.18 driver disk, dd.img–i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- This HBA is equivalent to the qLogic QLA2310.
- Driver Version v6.04.02.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- This HBA is equivalent to the qLogic QLA2340.
- Requires v6.05 or higher Navisphere host agent/CLI.
- Only one HBA is qualified for use in the Linux host when booting from the CLARiiON via fabric.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Driver Version v6.04.01.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Single HBA zoning is required regardless of the switch being utilized.
- This server only supports 5 Volt HBAs: qLogic 22XX family, qLogic 23XX family, Emulex LP8000, and Emulex LP850
- FCCode value 1.63a2.
- FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
- Driver Version 1.23a.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- Emulex driver and BIOS available from <http://www.emulex.com>.

43. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
44. FCode value 1.63a.
45. Firmware Version 3.90a7.
46. Linux v2.4.x Kernels support a maximum of 128 devices per system.
47. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
48. Firmware Version 1.80a2.
49. Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.
50. **Due to the HS20's embedded FC-SW design, EMC Access Logix is required to assign LUNS to each individual blade server.**
51. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

52. **Supports IBM BIOS 1.34. Available at <http://www.qlogic.com>.**
53. **Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
54. EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
55. Driver Version 6.04.01.
56. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
57. Driver Version v1.22e.
58. Firmware Version v3.90a7.
59. **Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)**
60. **Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.**
61. **QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
62. Firmware Version 1.02a0.
63. Firmware Version 1.80a3.
64. Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.

NEC

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁶	QLogic QLA2200F-EMC ³⁹	FC-AL	Y ^{2, 3}	
2	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁶ , 320Lb ⁴⁶ , 320Mc-R, 330Ma-R, 330Mb-R ^{47, 48} , 340Ha-R ^{47, 48}	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4, 5, 6}	QLogic QLA2200F-EMC ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ^{1, 2, 3}	
3	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁶ , 320Lb ⁴⁶ , 320Mc-R, 330Ma-R, 330Mb-R ^{47, 48} , 340Ha-R ^{47, 48}	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4, 5, 6}	QLogic: QLA2310F-E-SP ^{7, 8, 9, 10} , QLA2340-E-SP ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ^{1, 11}	
4	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁶ , 320Lb ⁴⁶ , 320Mc-R, 330Ma-R, 330Mb-R ^{47, 48} , 340Ha-R ^{47, 48}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.1 ^{6, 12} , v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-E.9 ^{6, 12} ; Red Hat Linux 2.1 ES: v2.4.9-e.1 ^{2, 6, 12} , v2.4.9-e.1 ^{6, 12}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
5	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁶ , 320Lb ⁴⁶ , 320Mc-R, 330Ma-R, 330Mb-R ^{47, 48} , 340Ha-R ^{47, 48}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.1 ^{6, 12} , v2.4.9-E.9 ^{6, 12} ; Red Hat Linux 2.1 ES: v2.4.9-e.1 ^{2, 6, 12} , v2.4.9-e.1 ^{6, 12}	QLogic QLA2200F-EMC ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ^{2, 3}	
6	Express 5800: 120Md, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Hb, 140Hd, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁶ , 320Lb ⁴⁶ , 320Mc-R, 330Ma-R, 330Mb-R ^{47, 48} , 340Ha-R ^{47, 48}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.1 ^{6, 12} , v2.4.9-E.9 ^{6, 12} ; Red Hat Linux 2.1 ES: v2.4.9-e.1 ^{2, 6, 12} , v2.4.9-e.1 ^{6, 12}	QLogic: QLA2310F-E-SP ^{7, 8, 9, 10} , QLA2340-E-SP ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ¹¹	
7	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.1 ^{6, 12} , v2.4.9-E.9 ^{6, 12} ; Red Hat Linux 2.1 ES: v2.4.9-e.1 ^{2, 6, 12} , v2.4.9-e.1 ^{6, 12} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁶	QLogic: QLA2310F-E-SP ^{7, 8, 9, 10} , QLA2340-E-SP ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ¹¹	
8	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁶ , 320Lb ⁴⁶ , 320Mc-R, 330Ma-R, 330Mb-R ^{47, 48} , 340Ha-R ^{47, 48}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.2 ^{4, 6, 13} , v2.4.9-e.2 ^{5, 6, 13} , v2.4.9-e.2 ⁷ ; Red Hat Linux 2.1 ES: v2.4.9-e.2 ^{4, 6, 13} , v2.4.9-e.2 ^{5, 6, 13} , v2.4.9-e.2 ⁷	QLogic QLA2342-E-SP ^{9, 14, 15, 16, 17, 26}	FC-AL, FC-SW	N	
9	Express 5800: 120Md, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Hb, 140Hd, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁶ , 320Lb ⁴⁶ , 320Mc-R, 330Ma-R, 330Mb-R ^{47, 48} , 340Ha-R ^{47, 48}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.2 ^{4, 6, 13} , v2.4.9-e.2 ^{5, 6} , v2.4.9-e.2 ⁷ ; Red Hat Linux 2.1 ES: v2.4.9-e.2 ^{4, 6} , v2.4.9-e.2 ^{5, 6} , v2.4.9-e.2 ⁷	Emulex LP9802DC-E ^{7, 14, 27, 28, 29, 30, 31}	FC-AL, FC-SW	Y	

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
10	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁶ , 320Lb ⁴⁶ , 320Mc-R, 330Ma-R, 330Mb-R ^{47, 48} , 340Ha-R ^{47, 48}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{6, 13} , v2.4.9-e.25 ⁶ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁶ , v2.4.9-e.25 ⁶ , v2.4.9-e.27	Emulex LP982-E ^{7, 14, 26, 27, 28, 29, 30, 42, 43}	FC-AL, FC-SW	Y ^{19, 20, 21, 22, 23, 24, 25}	
11	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{6, 13} , v2.4.9-e.25 ⁶ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁶ , v2.4.9-e.25 ⁶ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁶	Emulex LP9802DC-E ^{7, 14, 27, 28, 29, 30, 31}	FC-AL, FC-SW	Y	
12	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁶ , 320Lb ⁴⁶ , 320Mc-R, 330Ma-R, 330Mb-R ^{47, 48} , 340Ha-R ^{47, 48}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ⁶ , ES v2.4.9-e.27	Emulex: LP10000-E ^{7, 26, 27, 28, 31, 32, 36, 37} , LP10000DC-E ^{7, 26, 27, 28, 31, 32, 36, 37} , LP1050-E ^{7, 14, 26, 27, 28, 29, 30, 31, 44} , LP1050DC-E ^{7, 14, 26, 27, 28, 29, 30, 31, 44}	FC-AL, FC-SW	Y ^{19, 20, 21, 22, 23, 24, 25}	
13	Express 5800: 120Md, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Hb, 140Hd, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁶ , 320Lb ⁴⁶ , 320Mc-R, 330Ma-R, 330Mb-R ^{47, 48} , 340Ha-R ^{47, 48}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ⁶ , ES v2.4.9-e.27	Emulex: LP10000-E ^{7, 26, 27, 28, 31, 32, 36, 37} , LP10000DC-E ^{7, 26, 27, 28, 31, 32, 36, 37} , LP1050-E ^{7, 14, 26, 27, 28, 29, 30, 31, 44} , LP1050DC-E ^{7, 14, 26, 27, 28, 29, 30, 31, 44}	FC-AL, FC-SW	N	See ³⁸
14	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ⁶ , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁶	Emulex: LP10000-E ^{7, 26, 27, 28, 31, 32, 36, 37} , LP10000DC-E ^{7, 26, 27, 28, 31, 32, 36, 37} , LP1050-E ^{7, 14, 26, 27, 28, 29, 30, 31, 44} , LP1050DC-E ^{7, 14, 26, 27, 28, 29, 30, 31, 44}	FC-AL, FC-SW	N	See ³⁸
15	Express 5800: 120Ra-2, 120Rd-1, 120Rf-2, 140Ha, 140Hd, 140Ma, 140Rc-4, 180Ha, 180Rc-4	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁶	Emulex LP9002DC-E ^{40, 41}	FC-AL, FC-SW	Y ^{2, 3, 11}	See ³⁸
16	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4, 180Rc-4	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁶	Emulex LP9002DC-E ^{40, 41}	FC-AL, FC-SW	N	
17	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁶	Emulex LP9002DC-E ^{40, 41} , QLogic QLA2342-E-SP ^{7, 10, 26}	FC-AL, FC-SW	N	
18	Express 5800: 120Ra-2, 120Rd-1, 120Rf-2, 140Ha, 140Hd, 140Ma, 140Rc-4, 180Ha, 180Rc-4	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁶	Emulex LP9802-E	FC-AL, FC-SW	Y	See ³⁸
19	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ⁶	QLogic QLA2200F-EMC ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ^{2, 3}	See ³⁸
20	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁶	Emulex: LP10000-E ^{7, 26, 27, 28, 31, 32, 36, 37} , LP10000DC-E ^{7, 26, 27, 28, 31, 32, 36, 37} , LP1050-E ^{7, 14, 26, 27, 28, 29, 30, 31, 44} , LP1050DC-E ^{7, 14, 26, 27, 28, 29, 30, 31, 44} , LP982-E ^{7, 14, 26, 27, 28, 29, 30, 42, 43}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25}	
21	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4, 5, 6}	QLogic QLA2200F-EMC ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ^{1, 2, 3}	
22	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{4, 5, 6}	QLogic: QLA2310F-E-SP ^{7, 8, 9, 10} , QLA2340-E-SP ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ^{1, 11}	
23	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.1 ^{6, 12} , v2.4.9-E.3 ^{4, 5, 6} , v2.4.9-E.9 ^{6, 12} ; Red Hat Linux 2.1 ES: v2.4.9-e.1 ^{6, 12} , v2.4.9-e.1 ^{6, 12}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
24	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.1 ^{6, 12} , v2.4.9-E.9 ^{6, 12} , Red Hat Linux 2.1 ES: v2.4.9-e.1 ^{6, 12} , v2.4.9-e.1 ^{6, 12}	QLogic QLA2200F-EMC ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ^{2, 3}	
25	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.1 ^{6, 12} , v2.4.9-E.9 ^{6, 12} , Red Hat Linux 2.1 ES: v2.4.9-e.1 ^{6, 12} , v2.4.9-e.1 ^{6, 12}	QLogic: QLA2310F-E-SP ^{7, 8, 9, 10} , QLA2340-E-SP ^{7, 8, 9, 10}	FC-AL, FC-SW	Y ¹¹	

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
26	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁶ , 13, v2.4.9-e.25 ⁶ , 13, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁶ , 13, v2.4.9-e.25 ⁶ , 13, v2.4.9-e.27	QLogic QLA2342-E-SP ⁹ , 14, 15, 16, 17, 26	FC-AL, FC-SW	N	
27	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁶ , 13, v2.4.9-e.25 ⁶ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁶ , v2.4.9-e.25 ⁶ , v2.4.9-e.27	Emulex LP9802DC-E ⁷ , 14, 27, 28, 29, 30, 31	FC-AL, FC-SW	Y	
28	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁶ , 13, v2.4.9-e.25 ⁶ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁶ , v2.4.9-e.25 ⁶ , v2.4.9-e.27	Emulex LP982-E ⁷ , 14, 26, 27, 28, 29, 30, 42, 43	FC-AL, FC-SW	Y ^{19, 20,} 21, 22, 23, 24, 25	
29	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.25 ⁶ , ES v2.4.9-e.27	Emulex: LP10000-E ⁷ , 26, 27, 28, 31, 32, 36, 37, LP10000DC-E ⁷ , 26, 27, 28, 31, 32, 36, 37 LP1050-E ⁷ , 14, 26, 27, 28, 29, 30, 31, 44 LP1050DC-E ⁷ , 14, 26, 27, 28, 29, 30, 31, 44	FC-AL, FC-SW	N	See ³⁸
30	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.25 ⁶ , ES v2.4.9-e.27	Emulex: LP10000-E ⁷ , 26, 27, 28, 31, 32, 36, 37, LP10000DC-E ⁷ , 26, 27, 28, 31, 32, 36, 37 LP1050-E ⁷ , 14, 26, 27, 28, 29, 30, 31, 44 LP1050DC-E ⁷ , 14, 26, 27, 28, 29, 30, 31, 44	FC-AL, FC-SW	Y ^{19, 20,} 21, 22, 23, 24, 25	
31	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁶ , 320Lb ⁴⁶ , 320Mc-R, 330Ma-R, 330Mb-R ^{47, 48} , 340Ha-R ^{47, 48}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁶ , 13, v2.4.9-e.25 ⁶ , 13, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁶ , 13, v2.4.9-e.25 ⁶ , 13, v2.4.9-e.27	QLogic QLA2340-E-SP ⁷ , 15, 16, 17	FC-AL, FC-SW ¹⁴	Y ^{11, 18,} 19, 20, 21, 22, 23, 24, 25	
32	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁶ , 13, v2.4.9-e.25 ⁶ , 13, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁶ , 13, v2.4.9-e.25 ⁶ , 13, v2.4.9-e.27	QLogic QLA2340-E-SP ⁷ , 15, 16, 17	FC-AL, FC-SW ¹⁴	Y ^{11, 18,} 19, 20, 21, 22, 23, 24, 25	
33	Express 5800: 120Md, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Hb, 140Hd, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁶ , 320Lb ⁴⁶ , 320Mc-R, 330Ma-R, 330Mb-R ^{47, 48} , 340Ha-R ^{47, 48}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁶ , v2.4.9-e.25 ⁶ , v2.4.9-e.27 ⁶ , Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁶ , v2.4.9-e.25 ⁶ , v2.4.9-e.27	Emulex LP9802-E ¹⁴ , 27, 28, 29, 30, 31	FC-AL, FC-SW ²⁶	Y	
34	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁶ , v2.4.9-e.25 ⁶ , v2.4.9-e.27 ⁶ , Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁶ , v2.4.9-e.25 ⁶ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁶	Emulex LP9802-E ¹⁴ , 27, 28, 29, 30, 31	FC-AL, FC-SW ²⁶	Y	
35	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁶ , v2.4.9-e.25 ⁶ , v2.4.9-e.27 ⁶ , Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁶ , v2.4.9-e.25 ⁶ , v2.4.9-e.27	Emulex LP9802-E ¹⁴ , 27, 28, 29, 30, 31	FC-AL, FC-SW ²⁶	Y	
36	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁶ , 320Lb ⁴⁶ , 320Mc-R, 330Ma-R, 330Mb-R ^{47, 48} , 340Ha-R ^{47, 48}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁶ , 13, v2.4.9-e.25 ⁶ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁶ , v2.4.9-e.25 ⁶ , v2.4.9-e.27	Emulex LP9002DC-E ⁷ , 14, 26, 28, 29, 30, 31, 34, 35	FC-AL, FC-SW ²⁶ 32	Y ^{19, 20,} 21, 22, 23, 24, 25	
37	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ⁶	Emulex LP9002DC-E ⁷ , 14, 26, 28, 29, 30, 31, 34, 35	FC-AL, FC-SW ²⁶ 32	Y ^{18, 19,} 20, 21, 22, 23, 24, 25, 45	

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
38	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{6, 13} , v2.4.9–e.25 ⁶ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁶ , v2.4.9–e.25 ⁶ , v2.4.9–e.27	Emulex LP9002DC–E ^{7, 14, 26, 28, 29, 30, 31, 34, 35}	FC–AL, FC–SW ^{26, 32}	Y ^{19, 20,} 21, 22, 23, 24, 25	
39	Express 5800: 120Md, 120Ra–2, 120Rc–2, 120Rd–1, 120Rd–2, 120Rf–2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra–4, 140Rb–7, 140Rc–4, 140Rd–4, 180Ha, 180Rb–7, 180Rc–4, 320La, 320La–R, 320Lb–R ⁴⁶ , 320Lb ⁴⁶ , 320Mc–R, 330Ma–R, 330Mb–R ^{47, 48} , 340Ha–R ^{47, 48}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{6, 13} , v2.4.9–e.25 ⁶ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁶ , v2.4.9–e.25 ⁶ , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{7, 14, 27, 28, 29, 30, 31, 33}	FC–AL, FC–SW ³²	Y ^{19, 20,} 21, 22, 23, 24, 25	
40	Express 5800: 120Ra–2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ⁶	Emulex LP9002–E (LP9002L–E) ^{7, 14, 27, 28, 29, 30, 31, 33}	FC–AL, FC–SW ³²	Y ^{18, 19,} 20, 21, 22, 23, 24, 25, 45	
41	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{6, 13} , v2.4.9–e.25 ⁶ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁶ , v2.4.9–e.25 ⁶ , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{7, 14, 27, 28, 29, 30, 31, 33}	FC–AL, FC–SW ³²	Y ^{19, 20,} 21, 22, 23, 24, 25	

- This kernel is limited to 110 devices, not 128.
- Install with driver provided by RedHat 7.2 Installer and upgrade to the EMC–approved driver after installation.
- Requires QLogic driver 4.47.18 and BIOS 1.83.
- The kernel version listed is included in the corresponding standard distributed release.
- Supported with QLogic driver v6.05.00.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RQP.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- Driver Version v6.05.00.
- Driver Version v6.x series. Supports persistent binding and only supports Class 3.
- Requires QLogic driver 4.47.18 driver disk, dd.img–i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath.
- Bootting from EMC storage arrays is NOT supported with PowerPath.
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Driver Version v6.04.01.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Only one HBA is qualified for use in the Linux host when booting from the CLARiON via fabric.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- Single HBA zoning is required regardless of the switch being utilized.
- FCCode value 1.63a2.
- Driver Version 1.23a.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- FC–AL and FC–SW can run concurrently on separate HBAs on the same Host.
- The LP9002–E now ships with the LP9002L–E low profile adapter.
- Firmware Version 3.90a7.
- FCCode value 1.63a.
- Firmware Version 1.80a2.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- When used with the HP NetServer LC2000: 32 device maximum.
- Driver Version v1.22e.
- Firmware Version v3.90a7.
- Firmware Version 1.02a0.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- Firmware Version 1.80a3.
- Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.**
- Supports Stratus OS 2.0.X through 2.1.X.**
- Supports Stratus OS 1.3.X through 2.1.X.**
- Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.**

SUPERMICRO

SUPERMICRO – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Super: P3TDL3 ⁸ , S2DL3 ⁸	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{3, 4, 5, 6, 7, 9, 10, 11} , LP10000DC–E ^{3, 4, 5, 6, 7, 9, 10, 11} , LP1050–E ^{3, 6, 7, 9, 11, 12, 13, 14, 15} , LP1050DC–E ^{3, 6, 7, 9, 11, 12, 13, 14, 15}	FC–AL, FC–SW	N	See ¹

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RQP.
- Single HBA zoning is required regardless of the switch being utilized.
- FC–AL and FC–SW can run concurrently on separate HBAs on the same Host.

5. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
6. Host must be offline for interfamily Symmetrix microcode upgrade.
7. **QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
8. 64-bit slots for 3.3v HBAs only.
9. Driver Version 1.23a.
10. Firmware Version 1.80a2.
11. FCode value 1.63a2.
12. Firmware Version 1.80a3.
13. **FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.**
14. **The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.**
15. **Emulex driver and BIOS available from <http://www.emulex.com>.**

Red Hat Linux IA64 Bull

Bull – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	NovaScale: 4020 (Itanium2), 4040 (Itanium2), 5080 (Itanium2), 5160 (Itanium2)	PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	Emulex LP9802-E ^{4, 5, 6, 7}	FC-AL, FC-SW	N
2	NovaScale: 4020 (Itanium2), 4040 (Itanium2), 5080 (Itanium2), 5160 (Itanium2)	PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	QLogic QLA2340-E-SP ^{1, 2, 3}	FC-AL, FC-SW	Y

1. **Host must be offline for interfamily Symmetrix microcode upgrade.**
2. **BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
3. Driver Version v6.05.00.
4. **QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
5. **FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.**
6. **Emulex driver and BIOS available from <http://www.emulex.com>.**
7. Driver Version Emulex Open Source driver v1.22e.

Dell

Dell – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	PowerEdge 3250 (Itanium 2)	PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	Emulex: LP9002-E (LP9002L-E) ^{4, 5, 6, 7} , LP9002DC-E ^{4, 5, 6, 7, 8} , LP9802-E ^{4, 5, 6, 7} , LP9802DC-E ^{4, 5, 8, 9}	FC-AL, FC-SW	N
2	PowerEdge 3250 (Itanium 2)	PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	QLogic: QLA2310F-E-SP ^{1, 2, 3} , QLA2340-E-SP ^{1, 2, 3} , QLA2342-E-SP ^{1, 2}	FC-AL, FC-SW	Y
3	PowerEdge 3250 (Itanium 2)	PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37 ¹⁰	Emulex: LP10000-E ^{3, 4, 5, 6, 9, 11, 13} , LP10000DC-E ^{3, 4, 5, 6, 9, 11, 12, 13}	FC-AL, FC-SW	N

1. Driver Version v6.05.00.
2. BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
3. Host must be offline for interfamily Symmetrix microcode upgrade.
4. **QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
5. **FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.**
6. Emulex driver and BIOS available from <http://www.emulex.com>.
7. Driver Version Emulex Open Source driver v1.22e.
8. Firmware Version 3.82a1.
9. Driver Version 1.22e.
10. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
11. Single HBA zoning is required regardless of the switch being utilized.
12. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
13. Firmware Version 1.80a2.

HPQ

HPQ – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Integrity: RX2600 (Itanium2), RX5670 (Itanium2)	PCI, PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	QLogic: QLA2340-E-SP ^{1, 2, 3} , QLA2342-E-SP ^{1, 2}	FC-AL, FC-SW	Y

1. **BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
2. Driver Version v6.05.00.
3. **Host must be offline for interfamily Symmetrix microcode upgrade.**

IBM

IBM – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	xSeries x450	PCI, PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	Emulex: LP9002-E (LP9002L-E) ^{4, 5, 6, 7} , LP9002DC-E ^{4, 5, 6, 7, 8} , LP9802-E ^{4, 5, 6, 7} , LP9802DC-E ^{4, 5, 6, 9}	FC-AL, FC-SW	N
2	xSeries x450	PCI, PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	QLogic: QLA2310F-E-SP ^{1, 2, 3} , QLA2340-E-SP ^{1, 2, 3} , QLA2342-E-SP ^{1, 2}	FC-AL, FC-SW	Y
3	xSeries x450	PCI, PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37 ¹⁰	Emulex: LP10000-E ^{3, 4, 5, 6, 9, 11, 13} , LP10000DC-E ^{3, 4, 5, 6, 9, 11, 12, 13}	FC-AL, FC-SW	N

1. **BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
2. Driver Version v6.05.00.
3. **Host must be offline for interfamily Symmetrix microcode upgrade.**
4. **QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
5. **FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.**
6. **Emulex driver and BIOS available from <http://www.emulex.com>.**
7. Driver Version Emulex Open Source driver v1.22e.
8. Firmware Version 3.82a1.
9. Driver Version 1.22e.
10. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
11. **Single HBA zoning is required regardless of the switch being utilized.**
12. **FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.**
13. Firmware Version 1.80a2.

SGI - SGI IRIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Origin 200	PCI	SGI IRIX: 6.5.13, 6.5.14	SGI XT-FC-2P ^{6, 7}	FC-AL	N	
2	Origin 200	PCI	SGI IRIX: 6.5.13, 6.5.16	SGI PCI-FC-1P ^{6, 7}	FC-AL	N	
3	Onyx2; Origin 2000	PCI, XIO	SGI IRIX 6.4.1 ²	SGI PCI-FC-1P	FC-AL	N	See ⁸
4	Origin 200 ³	PCI, XIO	SGI IRIX 6.4.1 ^{2, 5}	SGI XT-FC-2P ^{6, 7}	FC-AL	N	See ⁸
5	Origin 2000	PCI, XIO	SGI IRIX 6.5.13	SGI XT-FC-2P ^{6, 7}	FC-AL	N	
6	Origin 200 ³	PCI, XIO	SGI IRIX 6.5.16	SGI XT-FC-2P ^{6, 7}	FC-AL	N	
7	Onyx2	PCI, XIO	SGI IRIX: 6.4.1 ^{2, 5} , 6.5.10 ² , 6.5.11 ² , 6.5.12 ²	SGI XT-FC-2P ^{6, 7}	FC-AL	N	See ⁸
8	Origin 200 ³	PCI, XIO	SGI IRIX: 6.5.10 ^{2, 5} , 6.5.11 ^{2, 5} , 6.5.12 ^{2, 5}	SGI PCI-FC-1P ^{6, 7}	FC-AL	N	See ⁸
9	Onyx2; Origin 2000	PCI, XIO	SGI IRIX: 6.5.10 ² , 6.5.11 ² , 6.5.12 ² , 6.5.9 ²	SGI PCI-FC-1P ^{6, 7}	FC-AL	N	See ⁸
10	Origin 200	PCI, XIO	SGI IRIX: 6.5.10 ² , 6.5.11 ² , 6.5.12 ² , 6.5.9 ²	SGI XT-FC-2P ^{6, 7}	FC-AL	N	See ⁸
11	Onyx2; Origin 2000	PCI, XIO	SGI IRIX: 6.5.13, 6.5.14	SGI PCI-FC-1P ^{6, 7}	FC-AL	N	
12	Onyx2	PCI, XIO	SGI IRIX: 6.5.13, 6.5.16, 6.5.17, 6.5.18 ²	SGI XT-FC-2P ^{6, 7}	FC-AL	N	
13	Origin 2000 ³	PCI, XIO	SGI IRIX: 6.5.16, 6.5.17, 6.5.18 ²	SGI XT-FC-2P ^{6, 7}	FC-AL	N	
14	Origin 200 ³	PCI, XIO	SGI IRIX: 6.5.17, 6.5.18 ²	SGI PCI-FC-1P ^{6, 7}	FC-AL	N	
15	Origin 3000	PCI	SGI IRIX 6.5.16	SGI XT-FC-1P-OPT-A	FC-AL, FC-SW	N	
16	Origin 300	PCI	SGI IRIX 6.5.16	SGI: PCI-FC-1P-OPT-A, XT-FC-1P-OPT-A	FC-AL, FC-SW	N	
17	Origin 3000	PCI	SGI IRIX: 6.5.11 ² , 6.5.12 ²	SGI PCI-FC-1P-OPT-A	FC-AL, FC-SW	N	See ⁸
18	Origin: 300, 3000	PCI	SGI IRIX: 6.5.12, 6.5.13, 6.5.16, 6.5.17, 6.5.18 ²	SGI PCI-FC-1P-OPT-B	FC-AL, FC-SW	N	
19	Origin 3000	PCI	SGI IRIX: 6.5.13 ² , 6.5.16	SGI PCI-FC-1P-OPT-A	FC-AL, FC-SW	N	
20	Origin: 300, 3000	PCI	SGI IRIX: 6.5.17, 6.5.18 ²	SGI PCI-FC-1P-OPT-A ^{6, 7}	FC-AL, FC-SW	N	
21	Origin: 200, 2000	PCI, XIO	SGI IRIX 6.5.16	SGI XT-FC-1P-OPT-A	FC-AL, FC-SW	N	
22	Onyx2; Origin: 200, 2000	PCI, XIO	SGI IRIX: 6.5.10 ² , 6.5.11 ² , 6.5.12 ² , 6.5.9 ²	SGI: PCI-FC-1P-OPT-A, XT-FC-1P-OPT-A	FC-AL, FC-SW	N	See ⁸
23	Origin: 200, 2000	PCI, XIO	SGI IRIX: 6.5.13 ² , 6.5.16	SGI PCI-FC-1P-OPT-A	FC-AL, FC-SW	N	
24	Onyx2	PCI, XIO	SGI IRIX: 6.5.13 ² , 6.5.16	SGI: PCI-FC-1P-OPT-A, XT-FC-1P-OPT-A	FC-AL, FC-SW	N	
25	Onyx2; Origin: 2000, 200 ³	PCI, XIO	SGI IRIX: 6.5.17, 6.5.18 ²	SGI: PCI-FC-1P-OPT-A ^{6, 7} , XT-FC-1P-OPT-A ^{6, 7}	FC-AL, FC-SW	N	
26	Origin 2000 ³	PCI, XIO	SGI IRIX: 6.4.1 ^{2, 5} , 6.5.10 ² , 6.5.11 ² , 6.5.12 ² , 6.5.14 ² , 6.5.15 ²	SGI XT-FC-2P ^{6, 7}	FC-AL ⁸	N	
27	Origin 200 ³	PCI, XIO	SGI IRIX: 6.4.1 ^{2, 5} , 6.5.14 ² , 6.5.15 ²	SGI PCI-FC-1P ^{6, 7}	FC-AL ⁸	N	
28	Onyx2	PCI, XIO	SGI IRIX: 6.5.14 ² , 6.5.15 ²	SGI XT-FC-2P ^{6, 7}	FC-AL ⁸	N	
29	Origin 300	PCI	SGI IRIX: 6.5.11 ² , 6.5.12 ² , 6.5.13 ² , 6.5.14 ² , 6.5.15 ²	SGI PCI-FC-1P-OPT-A	FC-AL ⁸ , FC-SW	N	
30	Origin 300	PCI	SGI IRIX: 6.5.14 ² , 6.5.15 ²	SGI PCI-FC-1P-OPT-B	FC-AL ⁸ , FC-SW	N	
31	Origin 3000	PCI	SGI IRIX: 6.5.14 ² , 6.5.15 ²	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B	FC-AL ⁸ , FC-SW	N	
32	Origin 200	PCI, XIO	SGI IRIX 6.5.13 ²	SGI XT-FC-1P-OPT-A	FC-AL ⁸ , FC-SW	N	
33	Origin 2000	PCI, XIO	SGI IRIX: 6.5.13 ² , 6.5.14, 6.5.15	SGI XT-FC-1P-OPT-A	FC-AL ⁸ , FC-SW	N	
34	Origin 2000	PCI, XIO	SGI IRIX: 6.5.14, 6.5.15	SGI PCI-FC-1P-OPT-A	FC-AL ⁸ , FC-SW	N	
35	Onyx2; Origin 200 ³	PCI, XIO	SGI IRIX: 6.5.14, 6.5.15	SGI: PCI-FC-1P-OPT-A, XT-FC-1P-OPT-A	FC-AL ⁸ , FC-SW	N	
36	Challenge: DM, L ^{3, 4} , S ^{3, 4} , XL	HIO	SGI IRIX: 5.3 ² , 6.5.10 ²	SGI P-S-HIO SCSI	FWD	N	See ¹
37	Origin 200	PCI	SGI IRIX 6.5.13	SGI XT-SCSIB-4P	FWD	N	
38	Origin 3000 ³	PCI	SGI IRIX 6.5.16	SGI XT-SCSIB-4P	FWD	N	
39	Origin 200 ³	PCI, XIO	SGI IRIX 6.4.1 ^{2, 5}	SGI XT-SCSIB-4P ⁹	FWD	N	See ⁸
40	Onyx2; Origin: 2000 ^{3, 4} , 200 ^{3, 4}	PCI, XIO	SGI IRIX 6.5.16	QLogic QLA1041B; SGI: PCI-SCSI-1P, XT-SCSIB-4P	FWD	N	
41	Origin 200 ^{3, 4}	PCI, XIO	SGI IRIX: 6.4.1 ^{2, 5} , 6.5.10 ² , 6.5.11 ² , 6.5.12 ²	QLogic QLA1041B	FWD	N	See ¹
42	Onyx2; Origin 2000 ^{3, 4}	PCI, XIO	SGI IRIX: 6.4.1 ^{2, 5} , 6.5.10 ² , 6.5.11 ² , 6.5.12 ²	SGI XT-SCSIB-4P	FWD	N	See ¹

SGI – SGI IRIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
43	Origin 200	PCI, XIO	SGI IRIX: 6.5.10 ² , 6.5.11 ² , 6.5.12 ² , 6.5.9 ²	SGI XT–SCSIB–4P ⁹	FWD	N	See ⁸
44	Onyx2	PCI, XIO	SGI IRIX: 6.4.12 ⁹ , 6.5.10 ² , 6.5.11 ² , 6.5.12 ² , 6.5.13 ² , 6.5.14 ² , 6.5.15 ²	QLogic QLA1041B	FWD ⁹	N	
45	Origin 200 ^{3, 4}	PCI, XIO	SGI IRIX: 6.5.13 ² , 6.5.14 ² , 6.5.15 ²	QLogic QLA1041B	FWD ⁹	N	
46	Onyx2; Origin 2000 ^{3, 4}	PCI, XIO	SGI IRIX: 6.5.13 ² , 6.5.14 ² , 6.5.15 ²	SGI XT–SCSIB–4P	FWD ⁹	N	
47	Origin 200 ^{3, 4}	PCI, XIO	SGI IRIX: 6.5.14, 6.5.15	SGI XT–SCSIB–4P	FWD ⁹	N	
48	Origin 3000	PCI	SGI IRIX 6.5.16	SGI PCI–SCSI–U3–2P	U2 LVD	N	
49	Origin 300	PCI	SGI IRIX: 6.5.12, 6.5.13, 6.5.14, 6.5.15, 6.5.16	SGI PCI–SCSI–U3–2P	U2 LVD	N	
50	Origin 3000 ³	PCI	SGI IRIX: 6.5.12 ² , 6.5.13 ² , 6.5.14 ² , 6.5.15 ²	SGI PCI–SCSI–U3–2P	U2 LVD ⁹	N	

1. Challenge not supported by SGI as part of SGI–ware program.

2. Symmetrix 8000 Series: 66/67 support at IRIX 6.5.10, 5568 support at IRIX 6.5.13 except for Challenge series.

3. I/Os will immediately fail if a device becomes not ready. This is an SGI bug.

4. I/Os will fail if a SCSI cable is temporarily disconnected.

5. Requires SGI patch set 10/1/98.

6. Requires copper to optical MIA. Contact Methode Electronics at 800–323–6858 (P/N MDB–9–6–1) or Gadzoox Microsystems at 410–838–2108 (P/N MDM1063TC–G).

7. SGI has replaced this adapter with the QLogic 2200 card. New installs should order part number PCI–FC–1P–OPT–A for PCI, or XT–FC–1P–OPT–A for XIO from SGI. This adapter does not require a copper to optical MIA.

8. FC–AL supports 128 LUNs per adapter. LUN skipping is permitted, however, LUN 0 must exist for each adapter.

9. SCSI supports targets 1–15, LUNs 0–7. LUN skipping is permitted, however, LUN 0 must exist for each target.

SuSE Linux Dell

Dell – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge 1650	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex LP982–E ^{4, 7, 12, 13, 14, 15, 16, 17, 18} ; QLogic: QLA2310F–E–SP ^{4, 5, 7, 8, 11} , QLA2340–E–SP ^{4, 5, 7, 8, 11} , QLA2342–E–SP ^{4, 5, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
2	PowerEdge 1650 ²⁸	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} , LP10000DC–E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} , LP1050–E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} , LP1050DC–E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} , LP9002–E (LP9002L–E) ^{4, 7, 12, 13, 14, 16, 18, 19, 29} , LP9002DC–E ^{4, 7, 12, 13, 14, 16, 18, 19, 29} , LP9802–E ^{4, 7, 12, 13, 14, 16, 17, 18, 19} , LP9802DC–E ^{4, 7, 12, 13, 14, 16, 17, 18, 19}	FC–AL, FC–SW	N	See ¹
3	PowerEdge: 1550 ²⁸ , 2300 ²⁸ , 2400, 2450 ²⁸ , 2500 ²⁸ , 2550 ^{10, 28} , 4400 ²⁸ , 6100 ²⁸ , 6300 ²⁸ , 6350 ²⁸ , 6400 ²⁸ , 6450 ²⁸ , 8450 ²⁸	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} , LP10000DC–E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} , LP1050–E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} , LP1050DC–E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} , LP9002–E (LP9002L–E) ^{4, 7, 12, 13, 14, 16, 18, 19, 29} , LP9002DC–E ^{4, 7, 12, 13, 14, 16, 18, 19, 29} , LP9802–E ^{4, 7, 12, 13, 14, 16, 17, 18, 19} , LP9802DC–E ^{4, 7, 12, 13, 14, 16, 17, 18, 19}	FC–AL, FC–SW	Y ^{21, 22, 23, 24, 25, 26, 27}	
4	PowerEdge: 2400, 4300	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} , LP10000DC–E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} , LP1050–E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} , LP1050DC–E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} , LP9002–E (LP9002L–E) ^{4, 7, 12, 13, 14, 16, 18, 19, 29} , LP9002DC–E ^{4, 7, 12, 13, 14, 16, 18, 19, 29} , LP9802–E ^{4, 7, 12, 13, 14, 16, 17, 18, 19} , LP9802DC–E ^{4, 7, 12, 13, 14, 16, 17, 18, 19} , LP982–E ^{4, 7, 12, 13, 14, 15, 16, 17, 18} ; QLogic: QLA2200F–EMC ^{5, 7, 8, 9} , QLA2310F–E–SP ^{4, 5, 7, 8, 11} , QLA2340–E–SP ^{4, 5, 7, 8, 11}	FC–AL, FC–SW	N	

Dell - SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
5	PowerVault: 750N, 755N, 775N	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Emulex: LP10000-E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP10000DC-E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP1050-E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP1050DC-E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP9002-E (LP9002L-E) ^{4, 7, 12, 13, 14, 16, 18, 19, 29} LP9002DC-E ^{4, 7, 12, 13, 14, 16, 18, 19, 29} LP9802-E ^{4, 7, 12, 13, 14, 16, 17, 18, 19} LP9802DC-E ^{4, 7, 12, 13, 14, 16, 17, 18, 19} LP982-E ^{4, 7, 12, 13, 14, 15, 16, 17, 18} QLogic: QLA2310F-E-SP ^{4, 5, 7, 8, 11} , QLA2340-E-SP ^{4, 5, 7, 8, 11}	FC-AL, FC-SW	N	See ¹
6	PowerEdge: 1550, 2300, 2450, 2500, 2550 ¹⁰ , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Emulex: LP10000-E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP10000DC-E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP1050-E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP1050DC-E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP9002-E (LP9002L-E) ^{4, 7, 12, 13, 14, 16, 18, 19, 29} LP9002DC-E ^{4, 7, 12, 13, 14, 16, 18, 19, 29} LP9802-E ^{4, 7, 12, 13, 14, 16, 17, 18, 19} LP9802DC-E ^{4, 7, 12, 13, 14, 16, 17, 18, 19} LP982-E ^{4, 7, 12, 13, 14, 15, 16, 17, 18} QLogic: QLA2310F-E-SP ^{4, 5, 7, 8, 11} , QLA2340-E-SP ^{4, 5, 7, 8, 11} , QLA2342-E-SP ^{4, 5, 6, 7, 8}	FC-AL, FC-SW	N	See ¹
7	PowerEdge: 2300, 2450, 2500, 2550 ¹⁰ , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	QLogic QLA2200F-EMC ^{5, 7, 8, 9}	FC-AL, FC-SW	N	
8	PowerEdge 4600	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Emulex LP982-E ^{4, 7, 12, 13, 14, 15, 16, 17, 18} QLogic: QLA2310F-E-SP ^{4, 5, 7, 8, 11} , QLA2340-E-SP ^{4, 5, 7, 8, 11} , QLA2342-E-SP ^{4, 5, 6, 7, 8}	FC-AL, FC-SW	N	See ¹
9	PowerEdge 4600 ²⁸	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Emulex: LP10000-E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP10000DC-E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP1050-E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP1050DC-E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP9002-E (LP9002L-E) ^{4, 7, 12, 13, 14, 16, 18, 19, 29} LP9002DC-E ^{4, 7, 12, 13, 14, 16, 18, 19, 29} LP9802-E ^{4, 7, 12, 13, 14, 16, 17, 18, 19} LP9802DC-E ^{4, 7, 12, 13, 14, 16, 17, 18, 19}	FC-AL, FC-SW	N	See ¹
10	PowerEdge: 2600 ²⁸ , 2650, 6600 ²⁸ , 6650	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Emulex: LP10000-E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP10000DC-E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP1050-E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP1050DC-E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP9002-E (LP9002L-E) ^{4, 7, 12, 13, 14, 16, 18, 19, 29} LP9002DC-E ^{4, 7, 12, 13, 14, 16, 18, 19, 29} LP9802-E ^{4, 7, 12, 13, 14, 16, 17, 18, 19} LP9802DC-E ^{4, 7, 12, 13, 14, 16, 17, 18, 19}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 27}	

Dell – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
11	PowerEdge: 1750, 2600, 2650, 6600, 6650	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP10000DC–E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP1050–E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP1050DC–E ^{4, 7, 12, 13, 14, 16, 18, 19, 20} LP9002–E ^{4, 7, 12, 13, 14, 16, 18, 19, 29} (LP9002L–E) ^{4, 7, 12, 13, 14, 16, 18, 19, 29} LP9002DC–E ^{4, 7, 12, 13, 14, 16, 18, 19, 29} LP9802–E ^{4, 7, 12, 13, 14, 16, 17, 18, 19} LP9802DC–E ^{4, 7, 12, 13, 14, 16, 17, 18, 19} LP982–E ^{4, 7, 12, 13, 14, 15, 16, 17, 18} QLogic: QLA2310F–E–SP ^{4, 5, 7, 8, 11} QLA2340–E–SP ^{4, 5, 7, 8, 11} QLA2342–E–SP ^{4, 5, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
12	PowerEdge: 2600, 2650, 4600, 6600, 6650	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic QLA2200F–EMC ^{5, 7, 8, 9}	FC–AL, FC–SW	N	

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires BIOS 1.34 available from <http://www.qlogic.com>.**
- Host must be offline for interfamily Symmetrix microcode upgrade.
- Driver Version 6.05.00.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.**
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- Requires BIOS 1.34 available from QLogic at <http://www.qlogic.com>.**
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.**
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.**
- Emulex driver and BIOS available from <http://www.emulex.com>.**
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- Driver Version 1.23a.
- Firmware Version 1.01a2.
- FCode value 1.63a2.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- Firmware Version 1.80a3.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.**
- Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)**
- No MirrorView or SnapView used on boot LUNs.**
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.**
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.**
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.**
- An RPM from Dell may be used to install the QLogic v6.05.00 driver and may be obtained from the QLogic website at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
- Firmware Version 3.90a7.

Fujitsu Siemens

Fujitsu Siemens – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450, RX100, T850	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 10, 11, 12, 13, 14, 15, 16, 18} LP10000DC–E ^{6, 10, 11, 12, 13, 14, 15, 16, 18} LP9002–E (LP9002L–E) ^{6, 10, 11, 12, 13, 14, 15, 16, 17} LP9002DC–E ^{6, 10, 11, 12, 13, 14, 15, 16, 17} LP9802–E ^{6, 9, 10, 11, 12, 13, 14, 15, 16} LP9802DC–E ^{6, 9, 10, 11, 12, 13, 14, 15, 16}	FC–AL, FC–SW	N	See ¹
2	Primergy: F250 ⁵ , H250 ⁵ , H450, N800, RX200, RX300, TX200, TX300	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 10, 11, 12, 13, 14, 15, 16, 18} LP10000DC–E ^{6, 10, 11, 12, 13, 14, 15, 16, 18} LP9002–E (LP9002L–E) ^{6, 10, 11, 12, 13, 14, 15, 16, 17} LP9002DC–E ^{6, 10, 11, 12, 13, 14, 15, 16, 17} LP9802–E ^{6, 9, 10, 11, 12, 13, 14, 15, 16} LP9802DC–E ^{6, 9, 10, 11, 12, 13, 14, 15, 16} QLogic QLA2200F–EMC ^{4, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
3	Primergy: RX600, RX800, TX600	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 10, 11, 12, 13, 14, 15, 16, 18} LP10000DC–E ^{6, 10, 11, 12, 13, 14, 15, 16, 18} LP9002–E (LP9002L–E) ^{6, 10, 11, 12, 13, 14, 15, 16, 17} LP9002DC–E ^{6, 10, 11, 12, 13, 14, 15, 16, 17} LP9802–E ^{6, 9, 10, 11, 12, 13, 14, 15, 16} LP9802DC–E ^{6, 9, 10, 11, 12, 13, 14, 15, 16} QLogic QLA2200F–EMC ^{4, 6, 7, 8}	FC–AL, FC–SW	N	See ¹

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
- Driver Version 6.05.00.
- Must use standard PCI 32bit/33MHz slot for SCSI
- Host must be offline for interfamily Symmetrix microcode upgrade.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.**
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Firmware Version 1.01a2.
- Driver Version 1.23a.
- FCode value 1.63a2.
- Single HBA zoning is required regardless of the switch being utilized.**
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.**
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.**
- Emulex driver and BIOS available from <http://www.emulex.com>.**
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- Firmware Version 3.90a7.
- Firmware Version 1.80a3.

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁵ , 800, 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹²	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP1000–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1000DC–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1050–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1050DC–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP9002–E (LP9002L–E) ^{6, 9, 17, 18, 19, 21, 22, 25, 33} LP9002DC–E ^{6, 9, 17, 18, 19, 21, 22, 25, 33} LP9802–E ^{6, 9, 17, 18, 19, 21, 22, 23, 25} LP9802DC–E ^{6, 9, 17, 18, 19, 21, 22, 23, 25}	FC–AL, FC–SW	γ ^{26, 27, 28, 29, 30, 31, 32}	
2	Proliant: ML350(G2) ⁵ , ML350(G3)	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP1000–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1000DC–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1050–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1050DC–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP9002–E (LP9002L–E) ^{6, 9, 17, 18, 19, 21, 22, 25, 33} LP9002DC–E ^{6, 9, 17, 18, 19, 21, 22, 25, 33} LP9802–E ^{6, 9, 17, 18, 19, 21, 22, 23, 25} LP9802DC–E ^{6, 9, 17, 18, 19, 21, 22, 23, 25} QLLogic: QLA2310F–E–SP ^{4, 6, 7, 9, 14} QLA2340–E–SP ^{4, 6, 7, 9, 14}	FC–AL, FC–SW	N	See ¹
3	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁵ , 800, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹²	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP1000–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1000DC–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1050–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1050DC–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP9002–E (LP9002L–E) ^{6, 9, 17, 18, 19, 21, 22, 25, 33} LP9002DC–E ^{6, 9, 17, 18, 19, 21, 22, 25, 33} LP9802–E ^{6, 9, 17, 18, 19, 21, 22, 23, 25} LP9802DC–E ^{6, 9, 17, 18, 19, 21, 22, 23, 25} QLLogic: QLA2310F–E–SP ^{4, 6, 7, 9, 14} QLA2340–E–SP ^{4, 6, 7, 9, 14} QLA2342–E–SP ^{4, 6, 7, 8, 9}	FC–AL, FC–SW	N	See ¹
4	Netserver LXR: 8000, 8500; Proliant: 1600 ^{5, 13} , 1850 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5, 11} , 6000 ^{5, 11} , 6400R ⁵ , 6500 ^{5, 11} , 7000 ^{5, 11} , 8000 ^{5, 11} , 850 ⁵	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP1000–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1000DC–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP9002–E (LP9002L–E) ^{6, 9, 17, 18, 19, 21, 22, 25, 33} LP9002DC–E ^{6, 9, 17, 18, 19, 21, 22, 25, 33} LP9802–E ^{6, 9, 17, 18, 19, 21, 22, 23, 25} LP9802DC–E ^{6, 9, 17, 18, 19, 21, 22, 23, 25} QLLogic: QLA2310F–E–SP ^{4, 6, 7, 9, 14} QLA2340–E–SP ^{4, 6, 7, 9, 14} QLA2342–E–SP ^{4, 6, 7, 8, 9}	FC–AL, FC–SW	N	See ¹
5	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5, 13} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5, 11} , 6000 ^{5, 11} , 6400R ⁵ , 6500 ^{5, 11} , 800, 8000 ^{5, 11} , 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹²	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLLogic: QLA2200F–EMC ^{4, 7, 9, 10}	FC–AL, FC–SW	N	
6	Netserver LH III	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLLogic: QLA2200F–EMC ^{4, 7, 9, 10} QLA2310F–E–SP ^{4, 6, 7, 9, 14} QLA2340–E–SP ^{4, 6, 7, 9, 14}	FC–AL, FC–SW	N	

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
7	Netservr LH: (LH Pro), 3, 3000, 4, 6000, II; Netservr: LX PRO, LXR PRO, LXR PRO8	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic: QLA2310F–E–SP ⁴ , 6, 7, 9, 14 QLA2340–E–SP ⁴ , 6, 7, 9, 14 QLA2342–E–SP ⁴ , 6, 7, 8, 9	FC–AL, FC–SW	N	See ¹
8	Proliant BL40p	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP1000–E ^{6, 9, 17, 18,} 19, 21, 22, 24, 25 LP1000DC–E ^{6, 9, 17,} 18, 19, 21, 22, 24, 25 LP1050–E ^{6, 9, 17, 18,} 19, 21, 22, 24, 25 LP1050DC–E ^{6, 9, 17,} 18, 19, 21, 22, 24, 25 LP9002–E (LP9002L–E) ^{6, 9, 17,} 18, 19, 21, 22, 25, 33 LP9002DC–E ^{6, 9, 17,} 18, 19, 21, 22, 25, 33 LP9802–E ^{6, 9, 17, 18,} 19, 21, 22, 23, 25 LP9802DC–E ^{6, 9, 17,} 18, 19, 21, 22, 23, 25	FC–AL, FC–SW	N	
9	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁶ , ML570(G2)	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP1000–E ^{6, 9, 17, 18,} 19, 21, 22, 24, 25 LP1000DC–E ^{6, 9, 17,} 18, 19, 21, 22, 24, 25 LP1050–E ^{6, 9, 17, 18,} 19, 21, 22, 24, 25 LP1050DC–E ^{6, 9, 17,} 18, 19, 21, 22, 24, 25 LP9002–E (LP9002L–E) ^{6, 9, 17,} 18, 19, 21, 22, 25, 33 LP9002DC–E ^{6, 9, 17,} 18, 19, 21, 22, 25, 33 LP9802–E ^{6, 9, 17, 18,} 19, 21, 22, 23, 25 LP9802DC–E ^{6, 9, 17,} 18, 19, 21, 22, 23, 25	FC–AL, FC–SW	Y ^{26, 27, 28,} 29, 30, 31, 32	
10	Proliant: DL740, DL760 (G2), DL760 ⁶	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP1000–E ^{6, 9, 17, 18,} 19, 21, 22, 24, 25 LP1000DC–E ^{6, 9, 17,} 18, 19, 21, 22, 24, 25 LP1050–E ^{6, 9, 17, 18,} 19, 21, 22, 24, 25 LP1050DC–E ^{6, 9, 17,} 18, 19, 21, 22, 24, 25 LP9002–E (LP9002L–E) ^{6, 9, 17,} 18, 19, 21, 22, 25, 33 LP9002DC–E ^{6, 9, 17,} 18, 19, 21, 22, 25, 33 LP9802–E ^{6, 9, 17, 18,} 19, 21, 22, 23, 25 LP9802DC–E ^{6, 9, 17,} 18, 19, 21, 22, 23, 25 LP982–E ^{6, 9, 17, 18, 19,} 20, 21, 22, 23, QLogic: QLA2200F–EMC ^{4, 7,} 9, 10 QLA2310F–E–SP ⁴ , 6, 7, 9, 14 QLA2340–E–SP ⁴ , 6, 7, 9, 14	FC–AL, FC–SW	N	
11	Proliant: DL560, ML570(G2)	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP1000–E ^{6, 9, 17, 18,} 19, 21, 22, 24, 25 LP1000DC–E ^{6, 9, 17,} 18, 19, 21, 22, 24, 25 LP1050–E ^{6, 9, 17, 18,} 19, 21, 22, 24, 25 LP1050DC–E ^{6, 9, 17,} 18, 19, 21, 22, 24, 25 LP9002–E (LP9002L–E) ^{6, 9, 17,} 18, 19, 21, 22, 25, 33 LP9002DC–E ^{6, 9, 17,} 18, 19, 21, 22, 25, 33 LP9802–E ^{6, 9, 17, 18,} 19, 21, 22, 23, 25 LP9802DC–E ^{6, 9, 17,} 18, 19, 21, 22, 23, 25 LP982–E ^{6, 9, 17, 18, 19,} 20, 21, 22, 23, QLogic: QLA2310F–E–SP ⁴ , 6, 7, 9, 14 QLA2340–E–SP ⁴ , 6, 7, 9, 14 QLA2342–E–SP ⁴ , 6, 7, 8, 9	FC–AL, FC–SW	N	See ¹
12	Proliant: DL560, ML570(G2)	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic QLA2200F–EMC ^{4, 7,} 9, 10	FC–AL, FC–SW	N	

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
13	Proliant BL20p (G2)	PCI-X ¹⁶	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{3, 15}	Emulex: LP1000–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1000DC–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP9002–E (LP9002L–E) ^{6, 9, 17, 18, 19, 21, 22, 25, 33} LP9002DC–E ^{6, 9, 17, 18, 19, 21, 22, 25, 33} LP9802–E ^{6, 9, 17, 18, 19, 21, 22, 23, 25} LP9802DC–E ^{6, 9, 17, 18, 19, 21, 22, 23, 25} HPQ Dual–port mezzanine controller card ^{4, 14}	FC–AL, FC–SW	N	
14	Proliant DL580(G3)	PCI, PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP1000–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1000DC–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1050–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1050DC–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP9002–E (LP9002L–E) ^{6, 9, 17, 18, 19, 21, 22, 25, 33} LP9002DC–E ^{6, 9, 17, 18, 19, 21, 22, 25, 33} LP9802–E ^{6, 9, 17, 18, 19, 21, 22, 23, 25} LP9802DC–E ^{6, 9, 17, 18, 19, 21, 22, 23, 25}	FC–AL, FC–SW	y26, 27, 28, 29, 30, 31, 32	
15	Proliant DL580(G3)	PCI, PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP1000–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1000DC–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1050–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP1050DC–E ^{6, 9, 17, 18, 19, 21, 22, 24, 25} LP9002–E (LP9002L–E) ^{6, 9, 17, 18, 19, 21, 22, 25, 33} LP9002DC–E ^{6, 9, 17, 18, 19, 21, 22, 25, 33} LP9802–E ^{6, 9, 17, 18, 19, 21, 22, 23, 25} LP9802DC–E ^{6, 9, 17, 18, 19, 21, 22, 23, 25} LP982–E ^{6, 9, 17, 18, 19, 20, 21, 22, 23} QLogic: QLA2310F–E–SP ^{4, 6, 7, 9, 14} QLA2340–E–SP ^{4, 6, 7, 9, 14} QLA2342–E–SP ^{4, 6, 7, 8, 9}	FC–AL, FC–SW	N	See ¹
16	Proliant DL580(G3)	PCI, PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic QLA2200F–EMC ^{4, 7, 9, 10}	FC–AL, FC–SW	N	

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from [ftp://ftp.emc.com/pub/elab/linux](http://ftp.emc.com/pub/elab/linux).
- Driver Version 6.05.00.
- Compaq servers that are rack–mountable (designated by Compaq with an "R") are supported.
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires BIOS 1.34 available from <http://www.qlogic.com>.**
- Host must be offline for interfamily Symmetrix microcode upgrade.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.**
- Includes both Pentium PRO and XEON models
- HPQ Proliant servers that are rack–mountable (designated with an "R") are supported.
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32–bit, this shielding prohibits 64–bit HBAs from properly seating in the PCI slots. To accommodate 64–bit HBAs, this shielding must be removed, or modified to allow the 64–bit HBA to fully seat in the 32–bit slots.
- Requires BIOS 1.34 available from QLogic at <http://www.qlogic.com>.**
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Dual port PCI–X fibre channel mezzanine card option is embedded. No PCI/PCI–X slots available.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.**
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.**
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- Driver Version 1.23a.
- FCode value 1.63a2.
- Firmware Version 1.01a2.
- Firmware Version 1.80a3.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.**
- Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)**
- No MirrorView or SnapView used on boot LUNs.**
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.**
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.**
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.**
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.**
- Firmware Version 3.90a7.

IBM

IBM - SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netfinity 8500	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP10000DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP9002-E (LP9002L-E) ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9002DC-E ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9802-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28} , LP9802DC-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28}	FC-AL, FC-SW	N	
2	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ³⁸ , x350 (6000R), x370	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP10000DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP9002-E (LP9002L-E) ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9002DC-E ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9802-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28} , LP9802DC-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28}	FC-AL, FC-SW	Y ^{29, 30, 31, 32, 33, 34, 35}	
3	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x345, x350 (6000R), x370	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP10000DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP9002-E (LP9002L-E) ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9002DC-E ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9802-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28} , LP9802DC-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28} , LP982-E ^{5, 6, 20, 21, 22, 23, 24, 25, 26} ; QLogic: QLA2310F-E-SP ^{4, 5, 6, 8, 11} , QLA2340-E-SP ^{4, 5, 6, 8, 11} , QLA2342-E-SP ^{4, 5, 6, 7, 8}	FC-AL, FC-SW	N	See ¹
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP10000DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP9002-E (LP9002L-E) ^{5, 6, 20, 21, 22, 24, 25, 26, 28} , LP9802DC-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28} ; QLogic: QLA2310F-E-SP ^{4, 5, 6, 8, 11} , QLA2340-E-SP ^{4, 5, 6, 8, 11} , QLA2342-E-SP ^{4, 5, 6, 7, 8}	FC-AL, FC-SW	N	See ¹
5	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	QLogic QLA2200F-EMC ^{4, 6, 8, 9}	FC-AL, FC-SW	N	
6	xSeries x235	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP10000DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP9002-E (LP9002L-E) ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9002DC-E ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9802-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28} , LP9802DC-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28}	FC-AL, FC-SW	N	
7	xSeries: x255, x360 ³⁸ , x440 ^{36, 37}	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP10000DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP9002-E (LP9002L-E) ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9002DC-E ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9802-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28} , LP9802DC-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28}	FC-AL, FC-SW	Y ^{29, 30, 31, 32, 33, 34, 35}	
8	xSeries x440	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP10000DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP9002-E (LP9002L-E) ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9002DC-E ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9802-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28} , LP9802DC-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28} , LP982-E ^{5, 6, 20, 21, 22, 23, 24, 25, 26} ; QLogic: QLA2340-E-SP ^{4, 5, 6, 8, 11}	FC-AL, FC-SW	N	See ¹
9	xSeries x360	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP10000DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP9002-E (LP9002L-E) ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9002DC-E ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9802-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28} , LP9802DC-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28} , LP982-E ^{5, 6, 20, 21, 22, 23, 24, 25, 26} ; QLogic: QLA2310F-E-SP ^{4, 5, 6, 8, 11} , QLA2340-E-SP ^{4, 5, 6, 8, 11} , QLA2342-E-SP ^{4, 5, 6, 7, 8}	FC-AL, FC-SW	N	See ¹
10	xSeries x360	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	QLogic QLA2200F-EMC ^{4, 6, 8, 9}	FC-AL, FC-SW	N	
11	xSeries x440	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	QLogic: QLA2200F-EMC ^{4, 6, 8, 9} , QLA2310F-E-SP ^{4, 5, 6, 8, 11}	FC-AL, FC-SW	N	
12	eServer BladeCenter HS20 (Model: 8678) ¹⁷ , 8832 ¹⁷	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{3,12}	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{18, 19}	FC-AL, FC-SW	Y	
13	xSeries x345	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP10000DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP9002-E (LP9002L-E) ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9002DC-E ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9802-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28} , LP9802DC-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28}	FC-AL, FC-SW	N	
14	xSeries x445	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP10000DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP9002-E (LP9002L-E) ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9002DC-E ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9802-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28} , LP9802DC-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28}	FC-AL, FC-SW	Y ^{29, 30, 31, 32, 33, 34, 35}	
15	xSeries x445	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP10000DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP1050DC-E ^{5, 6, 20, 21, 22, 24, 26, 27, 28} , LP9002-E (LP9002L-E) ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9002DC-E ^{5, 6, 20, 21, 22, 24, 26, 28, 39} , LP9802-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28} , LP9802DC-E ^{5, 6, 20, 21, 22, 24, 25, 26, 28} , LP982-E ^{5, 6, 20, 21, 22, 23, 24, 25, 26} ; QLogic: QLA2340-E-SP ^{4, 5, 6, 8, 11}	FC-AL, FC-SW	N	See ¹
16	xSeries x445	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	QLogic: QLA2200F-EMC ^{4, 6, 8, 9} , QLA2310F-E-SP ^{4, 5, 6, 8, 11}	FC-AL, FC-SW	N	
17	eServer BladeCenter HS20 (Model: 8678) ¹⁷ , 8832 ¹⁷	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{3,12}	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{4, 16} , 02R9080 ^{4, 13, 14, 15, 16}	FC-SW	Y	

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiON-attached hosts available from <http://ftp.emc.com/pub/elab/linux>.
- Driver Version 6.05.00.
- Single HBA zoning is required regardless of the switch being utilized.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- Requires BIOS 1.34 available from <http://www.qlogic.com>.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.

10. This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
11. **Requires BIOS 1.34 available from Qlogic at <http://www.qlogic.com>.**
12. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
13. Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.
14. **Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
15. **Due to the HS20's embedded FC-SW design, EMC Access Logix is required to assign LUNS to each individual blade server.**
16. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

17. EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
18. **Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)**
19. **Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.**
20. **FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.**
21. **The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.**
22. **Emulex driver and BIOS available from <http://www.emulex.com>.**
23. **QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
24. Driver Version 1.23a.
25. Firmware Version 1.01a2.
26. FCode value 1.63a2.
27. Firmware Version 1.80a3.
28. **QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
29. **Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.**
30. **Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)**
31. **No MirrorView or SnapView used on boot LUNs.**
32. **EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.**
33. **Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.**
34. **For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.**
35. **This system is supported with Red Hat 2.1 Advanced Server v2.4.9-E.3 and updated with v2.4.9-E.9, E.10, and E.12 RPMs.**
36. **PowerPath v3.0.2 b069 is not supported on this system.**
37. **PowerPath v3.02 not supported on this system.**
38. **Firmware Version 3.90a7.**

NEC

NEC – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304)2,3	Emulex: LP10000-E4, 5, 11, 12, 13, 14, 16, 24, 25, LP10000DC-E4, 5, 11, 12, 13, 14, 16, 24, 25, LP1050-E4, 5, 11, 12, 13, 14, 16, 24, 25, LP1050DC-E4, 5, 11, 12, 13, 14, 16, 24, 25, LP9002-E (LP9002L-E)4, 5, 11, 12, 13, 14, 16, 24, 26, LP9002DC-E4, 5, 11, 12, 13, 14, 16, 24, 26, LP9802-E4, 5, 10, 11, 12, 13, 14, 16, 24, LP9802DC-E4, 5, 10, 11, 12, 13, 14, 16, 24	FC-AL, FC-SW	Y17, 18, 19, 20, 21, 22, 23	
2	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304)2,3	Emulex: LP10000-E4, 5, 11, 12, 13, 14, 16, 24, 25, LP10000DC-E4, 5, 11, 12, 13, 14, 16, 24, 25, LP1050-E4, 5, 11, 12, 13, 14, 16, 24, 25, LP1050DC-E4, 5, 11, 12, 13, 14, 16, 24, 25, LP9002-E (LP9002L-E)4, 5, 11, 12, 13, 14, 16, 24, 26, LP9002DC-E4, 5, 11, 12, 13, 14, 16, 24, 26, LP9802-E4, 5, 10, 11, 12, 13, 14, 16, 24, LP9802DC-E4, 5, 10, 11, 12, 13, 14, 16, 24, LP982-E4, 5, 10, 11, 12, 13, 14, 15, 16, QLogic: QLA2310F-E-SP4, 5, 6, 8, 9, QLA2340-E-SP4, 5, 6, 8, 9, QLA2342-E-SP4, 5, 6, 7, 8	FC-AL, FC-SW	N	See ¹

1. Linux v2.4.x Kernels support a maximum of 128 devices per system.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
3. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
4. Single HBA zoning is required regardless of the switch being utilized.
5. Host must be offline for interfamily Symmetrix microcode upgrade.
6. **QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
7. **Requires BIOS 1.34 available from <http://www.qlogic.com>.**
8. Driver Version 6.05.00.
9. **Requires BIOS 1.34 available from Qlogic at <http://www.qlogic.com>.**
10. Firmware Version 1.01a2.
11. Driver Version 1.23a.
12. **FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.**
13. **The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.**
14. **Emulex driver and BIOS available from <http://www.emulex.com>.**
15. **QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
16. FCode value 1.63a2.
17. **Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.**
18. **Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)**
19. **No MirrorView or SnapView used on boot LUNs.**
20. **EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.**
21. **Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.**
22. **For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.**
23. **QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
24. Firmware Version 1.80a3.
25. Firmware Version 3.90a7.

SUPERMICRO

SUPERMICRO – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Super: P3TDL38, S2DL38	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304)2,3	Emulex: LP10000-E4, 5, 10, 11, 12, 14, 16, 17, 18, LP10000DC-E4, 5, 10, 11, 12, 14, 16, 17, 18, LP1050-E4, 5, 10, 11, 12, 14, 16, 17, 18, LP1050DC-E4, 5, 10, 11, 12, 14, 16, 17, 18, LP9002-E (LP9002L-E)4, 5, 10, 11, 12, 14, 16, 18, 19, LP9002DC-E4, 5, 10, 11, 12, 14, 16, 18, 19, LP9802-E4, 5, 10, 11, 12, 14, 15, 16, 18, LP9802DC-E4, 5, 10, 11, 12, 14, 15, 16, 18, LP982-E4, 5, 10, 11, 12, 13, 14, 15, 16, QLogic: QLA2310F-E-SP4, 5, 6, 7, 9, QLA2340-E-SP4, 5, 6, 7, 9	FC-AL, FC-SW	N	See ¹

1. Linux v2.4.x Kernels support a maximum of 128 devices per system.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
3. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
4. Single HBA zoning is required regardless of the switch being utilized.
5. Host must be offline for interfamily Symmetrix microcode upgrade.
6. **Requires BIOS 1.34 available from Qlogic at <http://www.qlogic.com>.**
7. **QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
8. 64-bit slots for 3.3v HBAs only.
9. Driver Version 6.05.00.

10. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
11. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
12. Emulex driver and BIOS available from <http://www.emulex.com>.
13. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
14. FCode value 1.63a2.
15. Firmware Version 1.01a2.
16. Driver Version 1.23a.
17. Firmware Version 1.80a3.
18. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
19. Firmware Version 3.90a7.

Sun Solaris Sun

Sun – Sun Solaris							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Sun Fire 4810	cPCI	Sun Solaris 8 ⁵	Emulex LP9002C-E ^{21, 22, 23}	FC-AL, FC-SW	Y ¹⁰	
2	Sun Fire: 3800, 4800, 6800	cPCI	Sun Solaris: 8 ⁵ , 9 ³³	Emulex LP9002C-E ^{21, 22, 23} ; QLogic QCP2202F-E ^{24, 25, 26}	FC-AL, FC-SW	Y ¹⁰	
3	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ¹⁷ , 220R ¹⁸ , 250, 30, 420R ¹⁸ , 450, 5 ¹⁷ , 60, 80	PCI	Sun Solaris 2.6 ³	Emulex: LP8000-EMC ^{20, 21, 22} , LP9002-E (LP9002L-E) ^{21, 22} ; QLogic QLA2300F-E-SP ^{24, 25}	FC-AL, FC-SW	N	
4	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	PCI	Sun Solaris 2.6 ³	Emulex: LP8000-EMC ^{20, 21, 22} , LP9002-E (LP9002L-E) ^{21, 22} ; QLogic: QLA2200F-EMC ^{24, 25, 26} , QLA2300F-E-SP ^{24, 25}	FC-AL, FC-SW	N	
5	Sun Fire: V250 ⁴⁰ , V440 ⁴⁰	PCI	Sun Solaris 8 07/03 ⁵	Emulex: LP10000-E ^{21, 23, 36} , LP10000DC-E ^{21, 23, 36} , LP8000-EMC ^{20, 21, 22, 23} , LP9002-E (LP9002L-E) ^{21, 22, 23} , LP9002DC-E ^{21, 22, 23} , LP9802-E ^{21, 23, 34} ; JNI FCX2-6562-E ^{14, 32} ; QLogic: QLA2200F-EMC ^{24, 25, 26, 27} , QLA2300F-E-SP ^{24, 25} , QLA2340-E-SP ^{24, 25, 27} , QLA2342-E-SP ^{24, 25, 27} ; Sun: X6767A (SG-XPCI1FC-QF2) ^{37, 38, 39} , X6768A (SG-XPCI2FC-QF2) ^{37, 38, 39}	FC-AL, FC-SW	Y ¹⁰	
6	Sun Fire: 12K, 15K	PCI	Sun Solaris 8 ⁵	QLogic: QLA2200F-EMC ^{24, 25, 26, 31} , QLA2340-E-SP ^{24, 25} , 31, QLA2342-E-SP ^{24, 25, 31}	FC-AL, FC-SW	Y ¹⁰	
7	Sun Fire V250	PCI	Sun Solaris 9 08/03 ³³	Emulex: LP10000-E ^{21, 23, 36} , LP10000DC-E ^{21, 23, 36} , LP8000-EMC ^{20, 21, 22, 23} , LP9002-E (LP9002L-E) ^{21, 22, 23} , LP9002DC-E ^{21, 22, 23} , LP9802-E ^{21, 23, 34} ; JNI FCX2-6562-E ^{14, 32} ; QLogic: QLA2200F-EMC ^{24, 25, 26, 27} , QLA2300F-E-SP ^{24, 25} , QLA2340-E-SP ^{24, 25, 27} , QLA2342-E-SP ^{24, 25, 27} ; Sun: X6767A (SG-XPCI1FC-QF2) ^{37, 38, 39} , X6768A (SG-XPCI2FC-QF2) ^{37, 38, 39}	FC-AL, FC-SW	Y ¹⁰	
8	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ¹⁷ , 220R ¹⁸ , 250, 30, 420R ¹⁸ , 450, 5 ¹⁷ , 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris 9 ³³	Emulex LP9002DC-E ^{21, 22, 23} ; QLogic QLA2200F-EMC ^{24, 25, 26, 27}	FC-AL, FC-SW	Y ¹⁰	
9	Netra 20	PCI	Sun Solaris 9 ³³	QLogic QLA2342-E-SP ^{24, 25, 27} ; Sun: X6767A (SG-XPCI1FC-QF2) ^{37, 38, 39} , X6768A (SG-XPCI2FC-QF2) ^{37, 38, 39}	FC-AL, FC-SW	Y ¹⁰	
10	Sun Fire: 12K, 15K	PCI	Sun Solaris 9 ³³	QLogic: QLA2200F-EMC ^{24, 25, 26} , QLA2340-E-SP ^{24, 25} , QLA2342-E-SP ^{24, 25}	FC-AL, FC-SW	Y ¹⁰	
11	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ¹⁷ , 220R ¹⁸ , 250, 30, 420R ¹⁸ , 450, 5 ¹⁷ , 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris: 2.6 ³ , 7 ⁴ , 8 ⁵	JNI FCI-1063-EMC ^{8, 9}	FC-AL, FC-SW	N	
12	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ¹⁷ , 220R ¹⁸ , 250, 30, 420R ¹⁸ , 450, 5 ¹⁷	PCI	Sun Solaris: 7 ⁴ , 8 ⁵	Emulex LP9002DC-E ²³	FC-AL, FC-SW	Y ¹⁰	
13	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	PCI	Sun Solaris: 7 ⁴ , 8 ⁵	Emulex LP9002DC-E ²³ ; QLogic QLA2200F-EMC ^{24, 25, 26}	FC-AL, FC-SW	Y ¹⁰	
14	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ¹⁷ , 220R ¹⁸ , 250, 30, 420R ¹⁸ , 450, 5 ¹⁷ , 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris: 7 ⁴ , 8 ⁵ , 9 ³³	Emulex: LP8000-EMC ^{20, 21, 22, 23} , LP9002-E (LP9002L-E) ^{21, 22, 23} , LP9802-E ^{21, 23, 34} ; JNI: FCE2-6412-E ^{13, 14} , FCX2-6562-E ^{14, 32} ; QLogic: QLA2300F-E-SP ^{24, 25} , QLA2340-E-SP ^{24, 25, 27} , QLA2342-E-SP ^{24, 25, 27}	FC-AL, FC-SW	Y ¹⁰	
15	Sun Fire: 12K ³⁵ , 15K ³⁵	PCI	Sun Solaris: 8 ⁵ , 9 ³³	Emulex LP9002DC-E ^{21, 22, 23}	FC-AL, FC-SW	Y ¹⁰	
16	Sun Fire 4810	PCI	Sun Solaris: 8 ⁵ , 9 ³³	Emulex: LP10000-E ^{21, 23, 36} , LP10000DC-E ^{21, 23, 36} , LP8000-EMC ^{20, 21, 22, 23} , LP9002-E (LP9002L-E) ^{21, 22, 23} , LP9002C-E ^{21, 22, 23} , LP9002DC-E ^{21, 22, 23} , LP9802-E ^{21, 23, 34} ; JNI FCX2-6562-E ^{14, 32} ; QLogic: QLA2200F-EMC ^{24, 25, 26, 27} , QLA2300F-E-SP ^{24, 25} , QLA2340-E-SP ^{24, 25, 27} , QLA2342-E-SP ^{24, 25, 27} ; Sun: X6767A (SG-XPCI1FC-QF2) ^{37, 38, 39} , X6768A (SG-XPCI2FC-QF2) ^{37, 38, 39}	FC-AL, FC-SW	Y ¹⁰	
17	Netra 20	PCI	Sun Solaris: 8 ⁵ , 9 ³³	Emulex: LP10000-E ^{21, 23, 36} , LP10000DC-E ^{21, 23, 36} , LP8000-EMC ^{20, 21, 22, 23} , LP9002-E (LP9002L-E) ^{21, 22, 23} , LP9002DC-E ^{21, 22, 23} , LP9802-E ^{21, 23, 34} ; JNI FCX2-6562-E ^{14, 32} ; QLogic: QLA2200F-EMC ^{24, 25, 26, 27} , QLA2300F-E-SP ^{24, 25} , QLA2340-E-SP ^{24, 25, 27}	FC-AL, FC-SW	Y ¹⁰	

Sun – Sun Solaris							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
18	Netra: 120, 1280; Sun Blade: 1000, 150, 2000; Sun Fire: 280R, 4800, 6800, V100, V120, V1280, V210, V240, V480, V880	PCI	Sun Solaris: 8 ⁵ , 9 ³³	Emulex: LP10000-E ^{21, 23, 36} , LP10000DC-E ^{21, 23, 36} , LP8000-EMC ^{20, 21, 22, 23} , LP9002-E (LP9002L-E) ^{21, 22, 23} , LP9002DC-E ^{21, 22, 23} , LP9802-E ^{21, 23, 34} ; JNi FCX2-6562-E ^{14, 32} . QLLogic: QLA2200F-EMC ^{24, 25, 26, 27} , QLA2300F-E-SP ^{24, 25} , QLA2340-E-SP ^{24, 25, 27} , QLA2342-E-SP ^{24, 25, 27} . Sun: X6767A (SG-XPCI1FC-QF2) ^{37, 38, 39} , X6768A (SG-XPCI2FC-QF2) ^{37, 38, 39}	FC-AL, FC-SW	Y ¹⁰	
19	Sun Fire: 12K, 15K	PCI	Sun Solaris: 8 ⁵ , 9 ³³	Emulex: LP10000-E ^{21, 23, 36} , LP10000DC-E ^{21, 23, 36} , LP9002-E (LP9002L-E) ^{21, 22, 23} , LP9802-E ^{21, 23, 34} ; Sun: X6767A (SG-XPCI1FC-QF2) ^{37, 38, 39} , X6768A (SG-XPCI2FC-QF2) ^{37, 38, 39}	FC-AL, FC-SW	Y ¹⁰	
20	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ¹⁷ , 220R ¹⁸ , 250, 30, 420R ¹⁸ , 450, 5 ¹⁷ , 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris: 8 ⁵ , 9 ³³	Emulex: LP10000-E ^{21, 23, 36} , LP10000DC-E ^{21, 23, 36} ; Sun: X6767A (SG-XPCI1FC-QF2) ^{37, 38, 39} , X6768A (SG-XPCI2FC-QF2) ^{37, 38, 39}	FC-AL, FC-SW	Y ¹⁰	
21	Ultra: 2, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	SBUS	Sun Solaris 2.6 ³	Emulex LP9002S-E ^{21, 28} . JNi: FC-1063-EMC ^{6, 7, 8, 9} , FC64-1063-EMC ^{6, 8, 9, 11, 12} , FCE-1063-E ^{13, 14} , FCE2-1063-E ^{13, 14}	FC-AL, FC-SW	N	
22	Ultra Enterprise 10000	SBUS	Sun Solaris 2.6 ³	JNi: FC-1063-EMC ^{6, 7, 8, 9} , FC64-1063-EMC ^{6, 8, 9, 11, 12} , FCE-1063-E ^{13, 14} , FCE2-1063-E ^{13, 14}	FC-AL, FC-SW	N	
23	Ultra 2	SBUS	Sun Solaris 9 ³³	QLLogic QLA2202FS-E ^{24, 29}	FC-AL, FC-SW	Y ¹⁰	
24	Ultra: 2, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	SBUS	Sun Solaris: 7 ⁴ , 8 ⁵	JNi: FC-1063-EMC ^{6, 7, 8, 9} , FC64-1063-EMC ^{6, 8, 9, 11, 12}	FC-AL, FC-SW	Y ¹⁰	
25	Ultra 2	SBUS	Sun Solaris: 7 ⁴ , 8 ⁵ , 9 ³³	Emulex LP9002S-E ^{21, 22, 23} . JNi: FCE-1063-E ^{13, 14} , FCE2-1063-E ^{13, 14}	FC-AL, FC-SW	Y ¹⁰	
26	Ultra Enterprise: 10000, 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	SBUS	Sun Solaris: 7 ⁴ , 8 ⁵ , 9 ³³	Emulex LP9002S-E ^{21, 22, 23} . JNi: FCE-1063-E ^{13, 14} , FCE2-1063-E ^{13, 14} , FCE2-1473-E ^{14, 30} . QLLogic QLA2202FS-E ^{24, 29}	FC-AL, FC-SW	Y ¹⁰	
27	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ¹⁷ , 220R ¹⁸ , 250, 30, 420R ¹⁸ , 450, 5 ¹⁷ , 60, 80	PCI	Sun Solaris 2.6 ³	QLLogic QLA2200F-EMC ^{24, 25, 26}	FC-SW	N	
28	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ¹⁷ , 220R ¹⁸ , 250, 30, 420R ¹⁸ , 450, 5 ¹⁷ , 60, 80	PCI	Sun Solaris: 7 ⁴ , 8 ⁵	QLLogic QLA2200F-EMC ^{24, 25, 26}	FC-SW	Y ¹⁰	
29	Ultra Enterprise 10000	SBUS	Sun Solaris: 2.6 ³ , 7 ⁴ , 8 ⁵	Sun X1062A/A5 (DWIS)	FWD	N	
30	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ¹⁷ , 220R ¹⁸ , 250, 30, 420R ¹⁸ , 450, 5 ¹⁷ , 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris 2.6 ³	Sun X6541A ^{15, 16}	UWD	N	
31	Sun Fire: V250 ⁴⁰ , V440 ⁴⁰	PCI	Sun Solaris 8 07/03 ⁵	Sun X6541A ^{15, 16}	UWD	N	
32	Netra: 120, 1280; Sun Blade: 1000, 150, 2000; Sun Fire: 12K, 15K, 280R, 4800, 4810, 6800, V100, V120, V1280, V210, V240, V480, V880	PCI	Sun Solaris 8 ⁵	Sun X6541A ^{15, 16}	UWD	N	
33	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ¹⁷ , 220R ¹⁸ , 250, 30, 420R ¹⁸ , 450, 5 ¹⁷ , 60, 80	PCI	Sun Solaris: 7 ⁴ , 8 ⁵	Sun X6541A ^{15, 16}	UWD	Y	
34	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	PCI	Sun Solaris: 7 ⁴ , 8 ⁵	Sun X6541A ^{15, 16}	UWD	Y	See ¹⁹
35	Ultra Enterprise 10000	SBUS	Sun Solaris 7 ⁴	Sun X1065A	UWD	N	
36	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	SBUS	Sun Solaris 9 ³³	Sun X1065A	UWD	N	See ¹
37	Ultra: 2, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	SBUS	Sun Solaris: 2.6 ³ , 7 ⁴ , 8 ⁵	Sun X1065A	UWD	Y ²	See ¹
38	Ultra Enterprise 10000	SBUS	Sun Solaris: 2.6 ³ , 7 ⁴ , 8 ⁵	Sun X1065A (DWIS)	UWD	Y ²	

1. The X1065A adapter is compatible with all FWD directors. scsi_options=0x7F8

2. Scsi_options=0x7F8

3. EMC required Sun patches for Solaris 2.6:

105181-35 SunOS 5.6: kernel update patch

105356-23 SunOS 5.6: /kernel/drv/ssd and /kernel/drv/sd patch.

105580-19 SunOS 5.6: /kernel/drv/glm patch (for X6541 HBA only).

4. EMC required Sun patches for Solaris 7:

106541-28 SunOS 5.7: kernel update patch.

106924-11 SunOS 5.7: /kernel/drv/isp and /kernel/drv/sparcv9/isp patch (for X1062A and X1065A HBAs only).

106925-09 SunOS 5.7: glm driver patch (for X5641A HBA only).

5. EMC required Sun patches for Solaris 8:

108528-26 SunOS 5.8: kernel update patch.

108974-36 SunOS 5.8: data, uata, dad, sd, and scsi patch.

109657-09 SunOS 5.8: isp driver patch (for X1062A and X1065A HBAs only).

109885-14 SunOS 5.8: glm driver patch (for X6541A HBA only).

6. FCode value 13.5.7.

7. Requires HBA Rev H.

8. For JNi HBAs FC-1063-EMC, FC64-1063-EMC, and FCI-1063-EMC, Tachyon driver 2.6.10 must be used with VxVM versions 3.1.1 or earlier.

9. Driver Version 2.6.13.

10. For FC-AL hub connection not supported for boot device.
11. Mixing FC-SW and FC-AL on the same host using JNI HBAs is not supported.
12. Requires HBA Rev B, C, D, E, G, H and J.
13. Driver Version 4.1.5. If PowerPath is installed, minimum revision of 3.0.4 is required. Supports SNIA HBA API.
14. FCode value 3.9.
15. Requires N-bit for PCI SCSI interface to support PowerPath.
16. Disconnecting and reconnecting the SCSI cable on an active system will reduce I/O transfer rate due to negotiation issues. Host is not capable of WDTR after link recovery.
17. This host supports only 5 V HBAs.
18. 64-bit HBAs will not fit into the 32-bit slot due to a physical obstruction.
19. **For 'UltraEnterprise' servers with PCI I/O board, only the left slot can be utilized due to physical constraints of the Sun PCI/SCSI adapter.**
20. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
21. Driver Version 5.02b.
22. Firmware Version 3.91a3.
23. FCode value 1.40a0.
24. Driver Version 4.13. Fcode should be loaded on all HBA's at the time of installation. All drivers and fcode can be downloaded from <http://www.qlogic.com>. Supports SNIA HBA API.
25. FCode value 2.00.06. Fcode should be loaded on all HBA's at the time of installation. All drivers and fcode can be downloaded from <http://www.qlogic.com>. Supports SNIA HBA API.
26. Sun's QLogic cards are not supported due to proprietary drivers, fcode and firmware. Please see http://www.sun.com/service/servicelist/us/detail_ww_ss_hba.html
27. Supports Dynamic Reconfiguration for Sun Fire 4800 and 6800 only. Minimum Solaris 8 recommended patch bundle 108528-21. Requires system controller firmware patch 112127-02 or higher.
28. Firmware Version 3.90a7.
29. FCode value 2.00.01. Fcode should be loaded on all HBA's at the time of installation. All drivers and fcode can be downloaded from <http://www.qlogic.com>. Supports SNIA HBA API.
30. Driver Version 5.2.1. Supports SNIA HBA API.
31. Supports DR on Sun 12K and 15K.
32. Driver Version 5.2.1.
33. **EMC required Sun patches for Solaris 9:**
112233-08 Sun OS 5.9: kernel patch
112834-03 Sun OS 5.9: patch SCSI
113277-17 Sun OS 5.9: sd and ssd patch
34. Firmware Version 1.01A2. Driver and firmware available at <http://www.emulex.com>. Supports SNIA HBA API.
35. **Use of the LP9002DC or QLA2342 requires FCO A0218-1 from Sun for HBA's to operate in 66mhz mode. Without this FCO the HBA's will only come up in 33mhz mode which could have an impact on performance.**
36. Firmware Version 1.80a2.
37. **Must add "ssd:ssd_max_throttle=20" in /etc/system for Clariion or Symmetrix attach.**
Must add "forceload drv/ssd" in the /etc/system when these HBA's are installed for Clariion or Symmetrix attach with PowerPath. Do not include the quotes on either entry.
MpxIO is not currently supported with EMC storage
38. Driver Version SAN 4.2.
39. Firmware Version 1.14.01.
40. **Requires RPQ**

Unisys MCP Unisys

Unisys – Unisys MCP						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Libra Model 180 ^{11, 12}	Mainframe Bus	Unisys MCP 48.1 (HMP 7.0)	Unisys: FCA621-CU ^{4, 10} , FCA622-SW ^{3, 10} , FCA623-LW ^{5, 10} , FCA661-CU ^{8, 10} , FCA662-SW ^{7, 10} , FCA663-LW ^{9, 10}	FC-AL	Y
2	NX4800; NX5600; NX5620; NX5800; NX5820	Mainframe Bus	Unisys MCP: 45.1 (HMP 4.0), 46.1 (HMP 5.0), 47.1 (HMP 6.0), 48.1 (HMP 7.0)	Unisys: FCA601-CU ⁴ , FCA601-LW ⁵ , FCA601-SW ³ , FCA621-CU ⁴ , FCA623-LW ⁵	FC-AL	Y
3	NX6820	Mainframe Bus	Unisys MCP: 45.1 (HMP 4.0), 46.1 (HMP 5.0), 47.1 (HMP 6.0), 48.1 (HMP 7.0)	Unisys: FCA601-CU ⁴ , FCA601-LW ⁵ , FCA601-SW ³ , FCA621-CU ⁴ , FCA623-LW ⁵ , FCA661-CU ⁸ , FCA662-SW ^{1, 6, 7} , FCA663-LW ⁹	FC-AL	Y
4	NX4600	Mainframe Bus	Unisys MCP: 45.1 (HMP 4.0), 46.1 (HMP 5.0), 47.1 (HMP 6.0), 48.1 (HMP 7.0)	Unisys: FCA601-CU ⁴ , FCA601-SW ³ , FCA621-CU ⁴ , FCA623-LW ⁵	FC-AL	Y
5	NX6830	Mainframe Bus	Unisys MCP: 47.1 (HMP 6.0), 48.1 (HMP 7.0)	Unisys: FCA601-CU ⁴ , FCA601-LW ⁵ , FCA601-SW ³ , FCA621-CU ^{2, 4} , FCA622-SW ^{1, 2, 3, 6} , FCA623-LW ^{2, 5} , FCA661-CU ^{2, 8} , FCA662-SW ^{1, 2, 6, 7} , FCA663-LW ^{2, 9}	FC-AL	Y
6	CS7101 ¹¹	PCI	Unisys MCP 48.1 (HMP 7.0)	Emulex LP8000-F1	FC-AL	Y
7	NX4600; NX4800; NX5600; NX5620; NX5800; NX5820; NX6820	Mainframe Bus	Unisys MCP: 45.1 (HMP 4.0), 46.1 (HMP 5.0), 47.1 (HMP 6.0), 48.1 (HMP 7.0)	Unisys FCA622-SW ^{1, 3, 6}	FC-AL, FC-SW	Y
8	Libra Model 185	Mainframe Bus, PCI	Unisys MCP 48.1 (HMP 7.0)	Unisys: FCA1850-LC ¹⁵ , FCA661-CU ^{8, 15} , FCA662-SW ^{7, 15} , FCA663-LW ^{9, 15}	FC-AL, FC-SW	Y
9	CS7101 ¹¹	PCI	Unisys MCP 48.1 (HMP 7.0)	Emulex: LP8000-EMC ¹³ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP982-E; QLogic: QLA2202F-EMC, QLA2340-E-SP	FC-AL, FC-SW	Y
10	CS7201 ¹¹ ; CS7211; LX7100	PCI	Unisys MCP 48.1 (HMP 7.0) ¹⁴	Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	FC-AL, FC-SW	Y
11	NX4600; NX4800; NX5600; NX5620; NX5800; NX5820; NX6820	Mainframe Bus	Unisys MCP: 45.1 (HMP 4.0), 46.1 (HMP 5.0), 47.1 (HMP 6.0), 48.1 (HMP 7.0)	Unisys CA312-SCI	FND	Y
12	A16; A18; A19	Mainframe Bus	Unisys MCP: 45.1 (HMP 4.0), 46.1 (HMP 5.0), 47.1 (HMP 6.0), 48.1 (HMP 7.0)	Unisys CA312-SCI ¹	FND	Y
13	NX6830	Mainframe Bus	Unisys MCP: 47.1 (HMP 6.0), 48.1 (HMP 7.0)	Unisys CA312-SCI ²	FND	Y
14	NX4600; NX4800; NX5600; NX5620; NX5800; NX5820; NX6820	Mainframe Bus	Unisys MCP: 45.1 (HMP 4.0), 46.1 (HMP 5.0), 47.1 (HMP 6.0), 48.1 (HMP 7.0)	Unisys CA322-SCI	FWD	Y
15	A16; A18; A19	Mainframe Bus	Unisys MCP: 45.1 (HMP 4.0), 46.1 (HMP 5.0), 47.1 (HMP 6.0), 48.1 (HMP 7.0)	Unisys CA322-SCI ¹	FWD	Y

Unisys – Unisys MCP						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
16	NX6830	Mainframe Bus	Unisys MCP: 47.1 (HMP 6.0), 48.1 (HMP 7.0)	Unisys CA322–SCI ²	FWD	Y
17	Libra Model 185	Mainframe Bus, PCI	Unisys MCP 48.1 (HMP 7.0)	Unisys CA322–SCI ¹⁵	FWD	Y
18	Libra Model 180 ^{11, 12}	Mainframe Bus, PCI	Unisys MCP 48.1 (HMP 7.0)	Unisys CA322–SCI ¹⁰	FWD	Y
19	NX4600; NX4800; NX5600; NX5620; NX5800; NX5820; NX6820	Mainframe Bus	Unisys MCP: 45.1 (HMP 4.0), 46.1 (HMP 5.0), 47.1 (HMP 6.0), 48.1 (HMP 7.0)	Unisys CA332–SCI	UWD	Y
20	A16; A18; A19	Mainframe Bus	Unisys MCP: 45.1 (HMP 4.0), 46.1 (HMP 5.0), 47.1 (HMP 6.0), 48.1 (HMP 7.0)	Unisys CA332–SCI ¹	UWD	Y
21	NX6830	Mainframe Bus	Unisys MCP: 47.1 (HMP 6.0), 48.1 (HMP 7.0)	Unisys CA332–SCI ²	UWD	Y
22	Libra Model 185	Mainframe Bus, PCI	Unisys MCP 48.1 (HMP 7.0)	Unisys CA332–SCI ¹⁵	UWD	Y
23	Libra Model 180 ^{11, 12}	Mainframe Bus, PCI	Unisys MCP 48.1 (HMP 7.0)	Unisys CA332–SCI ¹⁰	UWD	Y

1. Channel code 20.018
2. Firmware Version 20.032.
3. Fibre Short Wave
4. Fibre Copper
5. Fibre Long Wave
6. Connected through switch, hub or direct connect.
7. Hi Perform Short Wave
8. Hi Perform Fibre Copper
9. Hi Perform Long Wave
10. Firmware Version 20.026.
11. Hardware and adapters similar to Unisys ES7000–100, ES7000–200.
12. The Libra 18x includes native MCP, and Virtual Machine for MCP (Windows MCPvm) partitions
13. The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
14. Multipath VSS requires Virtual Machine for Clearpath MCP Version 4.0 SR1 with PowerPath 3.0.0 B83 or higher and hardware Plateau 10.3 IC003.
15. Firmware Version 01.016.

Unisys OS 2200 Unisys

Unisys – Unisys OS 2200						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Dorado Model: 110, 140, 180	Mainframe Bus	Unisys OS 2200 HMP 8.0	Unisys CA225–USC	ESCON	Y
2	CS7802	Mainframe Bus	Unisys OS 2200 HMP: 6.1, 7.0, 7.1, 8.0	Unisys CA225–USC ¹	ESCON	Y
3	Dorado Model: 110, 140, 180	Mainframe Bus	Unisys OS 2200 HMP 8.0	Unisys: FCA622–SW ^{2, 3} , FCA662–SW ^{3, 4}	FC–AL	Y
4	CS7802	Mainframe Bus	Unisys OS 2200 HMP: 6.1, 7.0, 7.1, 8.0	Unisys: FCA622–SW ^{2, 3} , FCA662–SW ^{3, 4}	FC–AL, FC–SW	Y
5	Dorado Model: 110, 140, 180	Mainframe Bus	Unisys OS 2200 HMP 8.0	Unisys CA332–SCI	UWD	Y
6	CS7802	Mainframe Bus	Unisys OS 2200 HMP: 6.1, 7.0, 7.1, 8.0	Unisys CA332–SCI ¹	UWD	Y

1. Firmware Version 1.1 +.
2. Fibre Short Wave
3. Firmware Version 2R2.
4. Hi Perform Short Wave

Unisys SB5R4 Unisys

Unisys – Unisys SB5R4						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	2200/3800; 2200/500; IX4400; IX4800; IX5600; IX5800; IX6600; IX6800	Mainframe Bus	Unisys SB5R4	Unisys CA225–BMC	BMC–Parallel	Y
2	2200/3800; 2200/900; IX4400; IX4800; IX5600; IX5800; IX6600; IX6800	Mainframe Bus	Unisys SB5R4	Unisys CA225–USC	ESCON	Y
3	IX4800; IX5600; IX5800; IX6600; IX6800	Mainframe Bus	Unisys SB5R4	Unisys: FCA601–CU ² , FCA601–LW ³ , FCA601–SW ¹ , FCA621–CU ² , FCA623–LW ³	FC–AL	Y
4	2200/3800; IX4800; IX5600; IX5800; IX6600; IX6800	Mainframe Bus	Unisys SB5R4	Unisys FCA622–SW ^{1, 4}	FC–AL, FC–SW	Y

Unisys – Unisys SB5R4						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
5	2200/3800; 2200/500; 2200/900; IX4400; IX4800; IX5600; IX5800; IX6600; IX6800	Mainframe Bus	Unisys SB5R4	Unisys CA312–SCI	FND	Y
6	2200/3800; 2200/900; IX4400; IX4800; IX5600; IX5800; IX6600; IX6800	Mainframe Bus	Unisys SB5R4	Unisys CA322–SCI	FWD	Y
7	2200/3800; IX4400; IX4800; IX5600; IX5800; IX6600; IX6800	Mainframe Bus	Unisys SB5R4	Unisys CA332–SCI	UWD	Y

1. Fibre Short Wave
2. Fibre Copper
3. Fibre Long Wave
4. Firmware Version 2R2.

Unisys SB7

Unisys – Unisys SB7						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	2200/3800; IX4800; IX5600; IX5800; IX6600; IX6800	Mainframe Bus	Unisys SB7	Unisys CA225–BMC	BMC–Parallel	Y
2	2200/3800; IX4800; IX5600; IX5800; IX6600; IX6800	Mainframe Bus	Unisys SB7	Unisys CA225–USC	ESCON	Y
3	IX4800; IX5600; IX5800; IX6600; IX6800	Mainframe Bus	Unisys SB7	Unisys: FCA601–CU ² , FCA601–LW ³ , FCA601–SW ¹ , FCA621–CU ² , FCA623–LW ³	FC–AL	Y
4	2200/3800; IX4800; IX5600; IX5800; IX6600; IX6800	Mainframe Bus	Unisys SB7	Unisys FCA622–SW ^{1, 4}	FC–AL, FC–SW	Y
5	2200/3800; IX4800; IX5600; IX5800; IX6600; IX6800	Mainframe Bus	Unisys SB7	Unisys CA312–SCI	FND	Y
6	2200/3800; IX4800; IX5600; IX5800; IX6600; IX6800	Mainframe Bus	Unisys SB7	Unisys CA322–SCI	FWD	Y
7	2200/3800; IX4800; IX5600; IX5800; IX6600; IX6800	Mainframe Bus	Unisys SB7	Unisys CA332–SCI	UWD	Y

1. Fibre Short Wave
2. Fibre Copper
3. Fibre Long Wave
4. Firmware Version 2R2.

Unisys UNIX SVR4

Unisys – Unisys UNIX SVR4						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	SMP61000 10X	EISA, PCI	Unisys UNIX SVR4: R1.41 (1.4A) ^{1, 3} , R1.4 ^{1, 3}	Unisys SFA: 1001–QDW (Adaptec AHA4944) ² , 10201–SDW (Symbios 8751D) ² ; Unisys UN6000–EWD ²	UWD	N
2	SMP6400: QR/6, QS/6	EISA, PCI	Unisys UNIX SVR4: R1.41 (1.4A) ¹ , R1.4 ¹	Unisys: PCI 400–1UD (AHA2944UW) ² , SFA 1001–QDW (Adaptec AHA4944) ² , SFA 1001–SDW (Symbios 825A) ² , SFA 10201–SDW (Symbios 8751D) ² , UN6000–EWD ²	UWD	N
3	U6000: 550, 580	EISA, PCI	Unisys UNIX SVR4: R1.41 (1.4A) ¹ , R1.4 ¹	Unisys: UN6000–EWD ² , UN6500–SSB (Unisys) ²	UWD	N
4	QR/6 ALR 4X ⁴ ; QS/6 ALR 4X ⁴	PCI	Unisys UNIX SVR4: R1.41 (1.4A) ^{1, 3} , R1.4 ^{1, 3}	Unisys SFA: 1001–QDW (Adaptec AHA4944) ² , 10201–SDW (Symbios 8751D) ²	UWD	N

Unisys – Unisys UNIX SVR4						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
5	HR/6 ALR 6X; HS/6 ALR 6X; XR/6 Unisys 10X ⁵ ; XS/6 Unisys 10X ⁵	PCI	Unisys UNIX SVR4: R1.41 (1.4A) ^{1, 3} , R1.41 ³	Unisys: PCI 400–1UD (AHA2944UW), SFA 1001–QDW (Adaptec AHA4944) ² , SFA 10201–SDW (Symbios 8751D) ²	UWD	N
6	ES2025 ³ ; ES2043 ³	PCI	Unisys UNIX SVR4: R1.41 (1.4A) ¹ , R1.41 ¹	Unisys PCI 400–1UD (AHA2944UW)	UWD	N

1. Symm5 & 66/67 support via RPQ(5x67)(UnixWare).
2. EMC does not support this HBA; supported by Unisys ONLY.
3. Not supported on a Symmetrix 8000 Series, no plans for support.
4. Also ClearPath VX14xx Styles.
5. Also ClearPath VX13xx Styles.

VMware ESX Dell

Dell – VMware ESX						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	PowerEdge 6450	PCI	VMware ESX v1.5.2 patch2 ^{1, 2, 3, 4}	QLogic: QLA2340–E–SP ⁵ , QLA2342–E–SP ⁵	FC–AL, FC–SW	Y
2	PowerEdge 6450	PCI	VMware ESX v1.5.2 patch3 ^{1, 3, 4, 6}	QLogic: QLA2340–E–SP ⁷ , QLA2342–E–SP ⁷	FC–AL, FC–SW	Y
3	PowerEdge 6450	PCI	VMware ESX v1.5.2 patch4 ^{1, 4, 6}	QLogic QLA2340–E–SP ⁸	FC–AL, FC–SW	Y
4	PowerEdge 6450	PCI	VMware ESX v1.5.2 patch5 ^{1, 4, 6}	QLogic QLA2340–E–SP ⁹	FC–AL, FC–SW	Y
5	PowerEdge 6450	PCI	VMware ESX v1.5.2: patch4 ^{1, 4, 6} , patch5 ^{1, 4, 6}	QLogic QLA2342–E–SP ⁹	FC–AL, FC–SW	Y
6	PowerEdge 6450	PCI	VMware ESX v2.0.11 ^{10, 11}	QLogic: QLA2340–E–SP ^{9, 12} , QLA2342–E–SP ^{9, 12}	FC–AL, FC–SW	Y
7	PowerEdge 6650	PCI–X	VMware ESX v1.5.2 patch2 ^{1, 2, 3, 4}	QLogic: QLA2340–E–SP ⁵ , QLA2342–E–SP ⁵	FC–AL, FC–SW	Y
8	PowerEdge 6650	PCI–X	VMware ESX v1.5.2 patch3 ^{1, 3, 4, 6}	QLogic: QLA2340–E–SP ⁷ , QLA2342–E–SP ⁷	FC–AL, FC–SW	Y
9	PowerEdge 6650	PCI–X	VMware ESX v1.5.2 patch4 ^{1, 4, 6}	QLogic QLA2340–E–SP ⁸	FC–AL, FC–SW	Y
10	PowerEdge 6650	PCI–X	VMware ESX v1.5.2 patch5 ^{1, 4, 6}	QLogic QLA2340–E–SP ⁹	FC–AL, FC–SW	Y
11	PowerEdge 6650	PCI–X	VMware ESX v1.5.2: patch4 ^{1, 4, 6} , patch5 ^{1, 4, 6}	QLogic QLA2342–E–SP ⁹	FC–AL, FC–SW	Y
12	PowerEdge 6650	PCI–X	VMware ESX v2.0.11 ^{10, 11}	QLogic: QLA2340–E–SP ^{9, 12} , QLA2342–E–SP ^{9, 12}	FC–AL, FC–SW	Y

1. EMC software will function on neither the VMkernel nor the VMs as the currently–released versions of the SymAPI do not include support for VMware ESX.
2. Windows 2000 SP3 and SP4 are qualified to run as Virtual Machines.
3. Supported with VMFS.
4. Path failover and load–balancing are not supported.
5. Supported with QLogic driver v6.03.00b6 included in the VMware ESX v1.5.2 kernel and BIOS v1.34.
6. Windows 2000 SP3 and SP4, Windows NT 4.0, and RHEL 2.1 ES/AS are qualified to run as Virtual Machines.
7. Supported with QLogic driver v6.04.00–emc included in the VMware ESX v1.5.2 patch 3 release and BIOS v1.34.
8. Supported with QLogic driver v6.04.00–emc included in the VMware ESX v1.5.2 patch 4 release and BIOS v1.34.
9. Supported with QLogic driver v6.04.00–emc included in the VMware ESX v1.5.2 patch 5 release and BIOS v1.34.
10. Windows 2000 SP4, Windows 2003, and RHEL 2.1 ES/AS are qualified to run as Virtual Machines.
11. PowerPath is not supported on VMware ESX v2.0.1. However, the native VMware ESX v2.0.1 path failover is supported on Symmetrix 8000 and DMX.
12. Supported with QLogic driver v6.04.02 included in the VMware ESX v2.0.1 release and BIOS v1.34.

HPQ

HPQ – VMware ESX						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Proliant DL380(G3)	PCI	VMware ESX v1.5.2 patch2 ^{1, 2, 3, 4}	QLogic: QLA2340–E–SP ⁵ , QLA2342–E–SP ⁵	FC–AL, FC–SW	Y
2	Proliant DL380(G3)	PCI	VMware ESX v1.5.2 patch3 ^{1, 3, 4, 7}	QLogic: QLA2340–E–SP ⁸ , QLA2342–E–SP ⁸	FC–AL, FC–SW	Y
3	Proliant DL380(G3)	PCI	VMware ESX v1.5.2 patch4 ^{1, 4, 7}	QLogic QLA2340–E–SP ⁹	FC–AL, FC–SW	Y
4	Proliant DL380(G3)	PCI	VMware ESX v1.5.2 patch5 ^{1, 4, 7}	QLogic QLA2340–E–SP ¹⁰	FC–AL, FC–SW	Y
5	Proliant DL380(G3)	PCI	VMware ESX v1.5.2: patch4 ^{1, 4, 7} , patch5 ^{1, 4, 7}	QLogic QLA2342–E–SP ¹⁰	FC–AL, FC–SW	Y
6	Proliant DL380(G3)	PCI	VMware ESX v2.0.11 ^{11, 12}	QLogic: QLA2340–E–SP ^{10, 13} , QLA2342–E–SP ^{10, 13}	FC–AL, FC–SW	Y
7	Proliant DL760 (G2)	PCI–X	VMware ESX v1.5.2 patch2 ^{1, 2, 3, 4}	QLogic: QLA2340–E–SP ⁵ , QLA2342–E–SP ⁵	FC–AL, FC–SW	Y
8	Proliant DL760 (G2)	PCI–X	VMware ESX v1.5.2 patch3 ^{1, 3, 4, 7}	QLogic: QLA2340–E–SP ⁸ , QLA2342–E–SP ⁸	FC–AL, FC–SW	Y
9	Proliant DL760 (G2)	PCI–X	VMware ESX v1.5.2 patch4 ^{1, 4, 7}	QLogic QLA2340–E–SP ⁹	FC–AL, FC–SW	Y
10	Proliant DL760 (G2)	PCI–X	VMware ESX v1.5.2 patch5 ^{1, 4, 7}	QLogic QLA2340–E–SP ¹⁰	FC–AL, FC–SW	Y
11	Proliant DL760 (G2)	PCI–X	VMware ESX v1.5.2: patch4 ^{1, 4, 7} , patch5 ^{1, 4, 7}	QLogic QLA2342–E–SP ¹⁰	FC–AL, FC–SW	Y
12	Proliant DL760 (G2)	PCI–X	VMware ESX v2.0.11 ^{11, 12}	QLogic: QLA2340–E–SP ^{10, 13} , QLA2342–E–SP ^{10, 13}	FC–AL, FC–SW	Y
13	Proliant: DL580(G2) ⁶ , DL580(G3)	PCI, PCI–X	VMware ESX v1.5.2 patch2 ^{1, 2, 3, 4}	QLogic: QLA2340–E–SP ⁵ , QLA2342–E–SP ⁵	FC–AL, FC–SW	Y
14	Proliant: DL580(G2) ⁶ , DL580(G3)	PCI, PCI–X	VMware ESX v1.5.2 patch3 ^{1, 3, 4, 7}	QLogic: QLA2340–E–SP ⁸ , QLA2342–E–SP ⁸	FC–AL, FC–SW	Y
15	Proliant: DL580(G2) ⁶ , DL580(G3)	PCI, PCI–X	VMware ESX v1.5.2 patch4 ^{1, 4, 7}	QLogic QLA2340–E–SP ⁹	FC–AL, FC–SW	Y
16	Proliant: DL580(G2) ⁶ , DL580(G3)	PCI, PCI–X	VMware ESX v1.5.2 patch5 ^{1, 4, 7}	QLogic QLA2340–E–SP ¹⁰	FC–AL, FC–SW	Y

HPQ – VMware ESX						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
17	Proliant: DL580(G2) ⁶ , DL580(G3)	PCI, PCI-X	VMware ESX v1.5.2: patch ^{4, 4, 7} , patch ⁵ ^{1, 4, 7}	QLogic QLA2342-E-SP ¹⁰	FC-AL, FC-SW	Y
18	Proliant: DL580(G2) ⁶ , DL580(G3)	PCI, PCI-X	VMware ESX v2.0. ^{11, 11, 12}	QLogic: QLA2340-E-SP ^{10, 13} , QLA2342-E-SP ^{10, 13}	FC-AL, FC-SW	Y

- EMC software will function on neither the VMkernel nor the VMs as the currently-released versions of the SymAPI do not include support for VMware ESX.
- Windows 2000 SP3 and SP4 are qualified to run as Virtual Machines.
- Supported with VMFS.
- Path failover and load-balancing are not supported.
- Supported with QLogic driver v6.03.00b6 included in the VMware ESX v1.5.2 kernel and BIOS v1.34.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Windows 2000 SP3 and SP4, Windows NT 4.0, and RHEL 2.1 ES/AS are qualified to run as Virtual Machines.
- Supported with QLogic driver v6.04.00-emc included in the VMware ESX v1.5.2 patch 3 release and BIOS v1.34.
- Supported with QLogic driver v6.04.00-emc included in the VMware ESX v1.5.2 patch 4 release and BIOS v1.34.**
- Supported with QLogic driver v6.04.00-emc included in the VMware ESX v1.5.2 patch 5 release and BIOS v1.34.**
- Windows 2000 SP4, Windows 2003, and RHEL 2.1 ES/AS are qualified to run as Virtual Machines.
- PowerPath is not supported on VMware ESX v2.0.1. However, the native VMware ESX v2.0.1 path failover is supported on Symmetrix 8000 and DMX.
- Supported with QLogic driver v6.04.02 included in the VMware ESX v2.0.1 release and BIOS v1.34.

IBM

IBM – VMware ESX						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	xSeries: x360, x440	PCI-X	VMware ESX v1.5.2 patch ^{2, 2, 3, 4}	QLogic: QLA2340-E-SP ⁵ , QLA2342-E-SP ⁵	FC-AL, FC-SW	Y
2	xSeries: x360, x440	PCI-X	VMware ESX v1.5.2 patch ^{3, 2, 3, 6}	QLogic: QLA2340-E-SP ⁷ , QLA2342-E-SP ⁷	FC-AL, FC-SW	Y
3	xSeries: x360, x440	PCI-X	VMware ESX v1.5.2 patch ^{4, 3, 6}	QLogic QLA2340-E-SP ⁸	FC-AL, FC-SW	Y
4	xSeries: x360, x440	PCI-X	VMware ESX v1.5.2 patch ^{5, 3, 6}	QLogic QLA2340-E-SP ⁹	FC-AL, FC-SW	Y
5	xSeries: x360, x440	PCI-X	VMware ESX v1.5.2: patch ^{4, 3, 6} , patch ^{5, 3, 6}	QLogic QLA2342-E-SP ⁹	FC-AL, FC-SW	Y
6	xSeries x360	PCI-X	VMware ESX v2.0. ^{11, 10, 11}	QLogic: QLA2340-E-SP ^{9, 12} , QLA2342-E-SP ^{9, 12}	FC-AL, FC-SW	Y
7	xSeries x445	PCI, PCI-X	VMware ESX v2.0. ^{11, 10, 11}	QLogic: QLA2340-E-SP ^{9, 12} , QLA2342-E-SP ^{9, 12}	FC-AL, FC-SW	Y

- EMC software will function on neither the VMkernel nor the VMs as the currently-released versions of the SymAPI do not include support for VMware ESX.
- Supported with VMFS.
- Path failover and load-balancing are not supported.
- Windows 2000 SP3 and SP4 are qualified to run as Virtual Machines.
- Supported with QLogic driver v6.03.00b6 included in the VMware ESX v1.5.2 kernel and BIOS v1.34.
- Windows 2000 SP3 and SP4, Windows NT 4.0, and RHEL 2.1 ES/AS are qualified to run as Virtual Machines.
- Supported with QLogic driver v6.04.00-emc included in the VMware ESX v1.5.2 patch 3 release and BIOS v1.34.
- Supported with QLogic driver v6.04.00-emc included in the VMware ESX v1.5.2 patch 4 release and BIOS v1.34.**
- Supported with QLogic driver v6.04.00-emc included in the VMware ESX v1.5.2 patch 5 release and BIOS v1.34.**
- Windows 2000 SP4, Windows 2003, and RHEL 2.1 ES/AS are qualified to run as Virtual Machines.
- PowerPath is not supported on VMware ESX v2.0.1. However, the native VMware ESX v2.0.1 path failover is supported on Symmetrix 8000 and DMX.
- Supported with QLogic driver v6.04.02 included in the VMware ESX v2.0.1 release and BIOS v1.34.

Clustered Host

EMC has qualified the following clustered hosts. No other clustered hosts are supported at this time. NOTE: Please refer to the appropriate vendor Base Connectivity table(s) for more information concerning HBA driver, firm-ware, cables, operating system requirements and other special notes.

Caldera UNIXWare Unisys

Unisys – Caldera UNIXWare					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	ES2023 ¹ ; ES2025 ¹ ; ES2043 ¹ ; ES2044; ES2045; ES2085; ES7000/100; ES7000/200; ES7000/230; QR/2; QS/2	Caldera UNIXWare: 7.0.1, 7.1.1	Unisys Reliant HA	HA: 2	Unisys: FCH730211-P64 (QLA2200/66 HSSDC) ² , FCH730213-P64 (QLA2200/66 SC) ² , PCI 1100-FC (QLA2100), PCI 1120-FC (QLA2100-EMC, QLA2100F), PCI 400-1UD (AHA2944UW)

- Host not supported with Symmetrix 8000 Series.
- ES7000-100, ES7000-200 with Plateau below 8.1.1 use BIOS 1.63 and driver 3.13C. All other use BIOS 1.71 and same driver.

DG DG/UX DG

DG – DG DG/UX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	AViiON: AV1400, AV20000, AV25000 ¹ , AV35000, AV3704, AV3750, AV3800, AV8900, AV8950	DG DG/UX R4.20MU07	DG R1.27_gold_10.3ix86	HA: 2	Emulex LP8000-F1

- Maximum of 2 HBAs per NUMA block (1 per fabric) in clustered environments.

Fujitsu Solaris

Fujitsu

Fujitsu – Fujitsu Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Solaris 2.6	Fujitsu SafeCluster 1.17, 8	HA: 2, OPS: 2	Fujitsu: GP70F-CS02, X6541A-A-5, 6, Sun X6541A-X-5, 6	
2	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Solaris 8	Fujitsu PRIMECLUSTER 4.0 ¹⁰	HA: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E; Fujitsu: GP7B8FC1, PW008FC2	See ⁹
3	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Solaris 8	Fujitsu PRIMECLUSTER 4.1 ¹⁰ , 11	HA: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E; Fujitsu: GP7B8FC1, PW008FC2	
4	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Solaris 8	Fujitsu SafeCluster: 1.1.1 ¹ , 2, 2.0 ³ , 4	HA: 2, OPS: 2	Emulex: LP10000-E, LP10000DC-E	
5	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Solaris: 7, 8	Fujitsu SafeCluster: 1.1.1 ¹ , 2, 2.0 ³ , 4	HA: 2, OPS: 2	Fujitsu: GP7B8FC1, PW008FC2	
6	PRIMEPOWER: 1500, 2500, 900	Fujitsu Solaris: 8 02/02, 9 04/03	Fujitsu PRIMECLUSTER 4.1 ¹⁰ , 11, 13	HA: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E; Fujitsu PW008FC2	
7	PRIMEPOWER: 250, 450	Fujitsu Solaris 8 02/02	Fujitsu PRIMECLUSTER 4.0 ¹⁰	HA: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E; Fujitsu PW008FC2	See ⁹
8	PRIMEPOWER: 250, 450	Fujitsu Solaris 8 02/02	Fujitsu PRIMECLUSTER 4.1 ¹⁰ , 11	HA: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E; Fujitsu PW008FC2	
9	PRIMEPOWER: 250, 450	Fujitsu Solaris 8 02/02	Fujitsu SafeCluster: 1.1.1 ¹ , 2, 2.0 ³ , 4	HA: 2, OPS: 2	Emulex: LP10000-E, LP10000DC-E; Fujitsu PW008FC2	
10	PRIMEPOWER: 250, 450	Fujitsu Solaris 9 ¹²	Fujitsu PRIMECLUSTER 4.1 ¹⁰ , 11, 13	HA: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E; Fujitsu PW008FC2	
11	PRIMEPOWER: 650, 850	Fujitsu Solaris 8 850/650	Fujitsu PRIMECLUSTER 4.0 ¹⁰	HA: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E; Fujitsu: GP7B8FC1, PW008FC2	See ⁹
12	PRIMEPOWER: 650, 850	Fujitsu Solaris 8 850/650	Fujitsu PRIMECLUSTER 4.1 ¹⁰ , 11	HA: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E; Fujitsu: GP7B8FC1, PW008FC2	
13	PRIMEPOWER: 650, 850	Fujitsu Solaris 8 850/650	Fujitsu SafeCluster: 1.1.1 ¹ , 2, 2.0 ³ , 4	HA: 2, OPS: 2	Emulex: LP10000-E, LP10000DC-E; Fujitsu: GP7B8FC1, PW008FC2	
14	PRIMEPOWER: 650, 850, GP7000F 1000, GP7000F 200, GP7000F 2000, GP7000F 400, GP7000F 600, GP7000F 800	Fujitsu Solaris 9 ¹²	Fujitsu PRIMECLUSTER 4.1 ¹⁰ , 11, 13	HA: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E; Fujitsu: GP7B8FC1, PW008FC2	

- Patches required (must be obtained from Fujitsu): 910697-01, 910714-01, 910708-11, 910734-01.
- Additional Fujitsu Safe Series software qualified in the high availability cluster environment, and associated patch requirement (must be obtained from Fujitsu): Fujitsu SafeFile 1.2: 910738-05 Fujitsu SafeFile 1.3 910879-04 Fujitsu SafeDisk 1.2.1: 910721-06. Note: Fujitsu SafeDisk software should not be used for mirroring Symmetrix devices. Fujitsu SafeLink 2.0: 910743-07, 910766-03
- SafeCluster 2.0 requires patch 910910-05 and 110916-03 for Solaris 8. Patches required (must be obtained from Fujitsu).
- Additional Fujitsu Safe Series software qualified in the high availability cluster environment, and associated patch requirement (must be obtained from Fujitsu): Fujitsu SafeFile 1.3 910879-04, Fujitsu SafeFile 1.3.1 911353-02, Fujitsu SafeDisk/Global 2.0 910920-05, Fujitsu SafeDisk/Global 2.1 911418-02, Fujitsu SafeDisk 2.0 910926-05, Fujitsu SafeLink 2.0 910743-07, 910766-03
- Disconnecting and reconnecting the SCSI cable on an active system will reduce I/O transfer rate due to negotiation issues. Host is not capable of WDTR after link recovery.
- Requires N-bit for PCI SCSI interface.
- Patches required (must be obtained from Fujitsu): 910389-02, 910426-02, 910465-01, 910709-07.
- Additional Fujitsu Safe Series software qualified in the high availability cluster environment, and associated patch requirement (must be obtained from Fujitsu): Fujitsu SafeFile 1.1: 910232-18 Fujitsu SafeDisk 1.1: 910315-08, 910432-01. Note: Fujitsu SafeDisk software should not be used for mirroring Symmetrix devices.
- For use in Asia Pacific/Japan only. Refer to Fujitsu Siemens Base Connectivity information for US/Europe.
- The PRIMECLUSTER V4.0 family of software products consists of the following components: Reliant Monitor Services RMS 4.0A, Cluster Foundation CF 4.0A, Wizard Tools WT 4.0A and Application Wizards AW, Scalable Internet Services SIS 4.0A, Parallel Application Services PAS 4.0A, Global File Services GFS 4.0, Global Disk Services GDS 4.0, Global Link Services GLS 4.0
- GDS requires Fujitsu PCL Fibre Channel driver PFCA2.2.1.
- PRIMECLUSTER 4.1A10 is required with Solaris 9. Solaris 9 requires patch 112902-11 with PRIMECLUSTER 4.1A10
- PRIMECLUSTER 4.1A10 requires patch 901110-03 for Solaris 8, or 901111-03 for Solaris 9.

Fujitsu Siemens Reliant UNIX

Fujitsu Siemens

Fujitsu Siemens – Fujitsu Siemens Reliant UNIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	RM Server Node Model: SN85, SN86	Fujitsu Siemens Reliant UNIX V5.45B00	Fujitsu Siemens: Observe V1.2.B40 Reliant Cluster V3.1.E20, RC v1.0	HA: 8	Fujitsu Siemens RM6T5-CS05	See ^{1, 2}
2	RM Server Node Model: SN85, SN86	Fujitsu Siemens Reliant UNIX: V5.45B00, V5.45B10, V5.45B20	Fujitsu Siemens Observe V1.2.B40 Reliant Cluster V3.1.E20	HA: 8	Fujitsu Siemens RM6T5-CF10	
3	RM Server Node Model: SN85, SN86	Fujitsu Siemens Reliant UNIX: V5.45B10, V5.45B20	Fujitsu Siemens RC v1.0	HA: 8	Fujitsu Siemens RM6T5-CF10	

Fujitsu Siemens – Fujitsu Siemens Reliant UNIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
4	RM Server Node Model: SN85, SN86; RM600CS42; RM600E40; RM600E45; RM600E80; RM600E85	Fujitsu Siemens Reliant UNIX V5.45B00	Fujitsu Siemens Observe V1.2.B40 Reliant Cluster V3.1.E20	HA: 8	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{4, 5}	
5	RM400C; RM400E	Fujitsu Siemens Reliant UNIX: V5.44C40, V5.45A30	Fujitsu Siemens RC v1.0	HA: 2	Fujitsu Siemens RM6T5-CF10	
6	RM400C ³	Fujitsu Siemens Reliant UNIX: V5.44C40, V5.45A30	Fujitsu Siemens: Observe V1.2.B40 Reliant Cluster V3.1.E20, RC v1.0	HA: 2	Fujitsu Siemens RM400-CS20	See ^{1, 2}
7	RM600CS42; RM600E40; RM600E45; RM600E80; RM600E85	Fujitsu Siemens Reliant UNIX V5.45B00	Fujitsu Siemens RC v1.0	HA: 8	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{4, 5}	
8	RM600CS42; RM600E40; RM600E45; RM600E80; RM600E85	Fujitsu Siemens Reliant UNIX: V5.45A30, V5.45B00	Fujitsu Siemens Observe V1.2.B40 Reliant Cluster V3.1.E20	HA: 8	Fujitsu Siemens RM6T5-CF10	
9	RM600CS42; RM600E40; RM600E45; RM600E80; RM600E85	Fujitsu Siemens Reliant UNIX: V5.45A30, V5.45B00	Fujitsu Siemens: Observe V1.2.B40 Reliant Cluster V3.1.E20, RC v1.0	HA: 8	Fujitsu Siemens RM6T5-CS05	See ^{1, 2}
10	RM600CS42; RM600E40; RM600E45; RM600E80; RM600E85	Fujitsu Siemens Reliant UNIX: V5.45A30, V5.45B00, V5.45B10, V5.45B20	Fujitsu Siemens RC v1.0	HA: 8	Fujitsu Siemens RM6T5-CF10	
11	RM600CS42; RM600E40; RM600E45; RM600E80; RM600E85	Fujitsu Siemens Reliant UNIX: V5.45B10, V5.45B20	Fujitsu Siemens RC v1.0	HA: 8	Fujitsu Siemens RM6T5-CS05	See ^{1, 2, 8}
12	RM600CS42; RM600E40; RM600E45; RM600E80; RM600E85	Fujitsu Siemens Reliant UNIX: V5.45B10 ⁷ , V5.45B20 ⁷	Fujitsu Siemens Observe V1.2.B40 Reliant Cluster V3.1.E20	HA: 8	Fujitsu Siemens RM6T5-CF10 ⁹	See ⁶
13	RM600CS42; RM600E40; RM600E45; RM600E80; RM600E85	Fujitsu Siemens Reliant UNIX: V5.45B10 ⁷ , V5.45B20 ⁷	Fujitsu Siemens Observe V1.2.B40 Reliant Cluster V3.1.E20	HA: 8	Fujitsu Siemens RM6T5-CS05	See ^{1, 2, 6, 8}
14	RM600E20; RM600E60	Fujitsu Siemens Reliant UNIX: V5.44C40, V5.45A30	Fujitsu Siemens: Observe V1.2.B40 Reliant Cluster V3.1.E20, RC v1.0	HA: 8	Fujitsu Siemens RM6T5-CU13	See ^{1, 2}
15	RM600E30; RM600E70	Fujitsu Siemens Reliant UNIX: V5.44C40, V5.45A30	Fujitsu Siemens: Observe V1.2.B40 Reliant Cluster V3.1.E20, RC v1.0	HA: 8	Fujitsu Siemens RM6T5-CF10	
16	RM600E30; RM600E70	Fujitsu Siemens Reliant UNIX: V5.44C40, V5.45A30	Fujitsu Siemens: Observe V1.2.B40 Reliant Cluster V3.1.E20, RC v1.0	HA: 8	Fujitsu Siemens RM6T5-CS05	See ^{1, 2}

1. Y-Cables Not Supported
2. Multi-port SCSI.
3. PowerPath is not supported on any RM400C or RM400E model. DRAID is supported on Reliant UNIX 5.43.C20 and above.
4. EMC recommends that HBAs of different vendors not be used in the same host server.
5. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
6. V5.45A30 OS and higher supports upto 4096 LUNs. FC switch support starts with Reliant UNIX V5.45A20 and higher.
7. Symmetrix 8000 Series: 66/67 support: Reliant UNIX 5.44.5.45 Solaris 2.6, 7, 8 or 9. Symmetrix 8000 Series:5568 support: Solaris 8,9.
8. Fast-Wide SCSI is a default setting. Ultra-Wide can be enabled through software. Refer to the latest Symmetrix Open Systems Environment Product Guide, P/N 200-999-563.
9. PowerPath support requires version 1.5.0.f1c2 with patch 1.5.0.3.Patch.B09 and patch 1.5.0.5.Patch.B13. Also supports PowerPath v2.0, 2.1.

Fujitsu Siemens Solaris Fujitsu Siemens

Fujitsu Siemens – Fujitsu Siemens Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Siemens Solaris 8 02/02	Veritas Cluster Server (VCS) 2.0 ¹⁰	HA: 4	Fujitsu Siemens LP9802-E (GP70F-CF31)	
2	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Siemens Solaris 8 02/02 ⁴	Fujitsu Siemens PRIMECLUSTER 3.0 ³ ; Veritas Cluster Server (VCS) 1.3	HA: 2, OPS: 2, RAC: 2	Fujitsu Siemens LP9802-E (GP70F-CF31)	See ¹
3	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Siemens Solaris 8 02/02 ⁴	Fujitsu Siemens PRIMECLUSTER 4.0 ⁹	HA: 4	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{5, 6} , LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	See ¹
4	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Siemens Solaris: 2.6 May 98, 7 Nov 99, 8 02/02 ⁴	Fujitsu Siemens RC v1.2	HA: 4 ⁷	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{5, 6}	See ¹
5	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Siemens Solaris: 7 Nov 99, 8 02/02	Veritas Cluster Server (VCS) 2.0 ¹⁰	HA: 4	Fujitsu Siemens LP9002-E (LP9002L-E) GP70F-CF30	
6	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Siemens Solaris: 7 Nov 99 ⁴ , 8 02/02 ⁴	Fujitsu Siemens PRIMECLUSTER 3.0 ³	HA: 2, OPS: 2, RAC: 2	Fujitsu Siemens LP9002-E (LP9002L-E) GP70F-CF30 ²	See ¹
7	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Siemens Solaris: 7 Nov 99 ⁴ , 8 02/02 ⁴	Fujitsu Siemens PRIMECLUSTER 3.0 ³	HA: 4 ⁷	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{5, 6}	See ¹
8	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Siemens Solaris: 7 ⁴ , 8 02/02 ⁴	Veritas Cluster Server (VCS) 1.3	HA: 2, OPS: 2, RAC: 2	Fujitsu Siemens LP9002-E (LP9002L-E) GP70F-CF30 ²	See ¹
9	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Siemens Solaris: 8 02/02 ⁴ , 9 04/03	Fujitsu Siemens PRIMECLUSTER 4.1 ¹⁸	HA: 2, RAC: 2	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{5, 6} , LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	See ¹

Fujitsu Siemens – Fujitsu Siemens Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
10	PRIMEPOWER: 1500, 2500	Fujitsu Siemens Solaris 8 02/02	Fujitsu Siemens PRIMECLUSTER 4.0 ⁹	HA: 4	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	See ¹
11	PRIMEPOWER: 1500, 2500	Fujitsu Siemens Solaris: 8 02/02, 9 04/03	Fujitsu Siemens PRIMECLUSTER 4.1 ¹⁸	HA: 2, RAC: 2	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	See ¹
12	PRIMEPOWER: 1500, 250, 2500, 450, 900	Fujitsu Siemens Solaris 8 02/02	Fujitsu Siemens PRIMECLUSTER 3.0 ³	HA: 4 ⁷	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	
13	PRIMEPOWER: 1500, 250, 2500, 450, 900	Fujitsu Siemens Solaris 8 02/02	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 3.5 ¹⁰	HA: 8	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	
14	PRIMEPOWER: 1500, 250, 2500, 450, 900	Fujitsu Siemens Solaris 8 02/02	Veritas Cluster Server (VCS): 1.3, 2.0 ¹⁰	HA: 4	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	
15	PRIMEPOWER: 1500, 250, 2500, 450, 900	Fujitsu Siemens Solaris 8 02/02	Veritas DBED/AC for 9iRAC 3.5 ^{10, 11, 13, 14, 15, 16, 17}	RAC: 4 ¹²	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	
16	PRIMEPOWER: 250, 450, 900	Fujitsu Siemens Solaris 8 02/02 ⁴	Fujitsu Siemens PRIMECLUSTER 4.0 ⁹	HA: 4	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	See ¹
17	PRIMEPOWER: 250, 450, 900	Fujitsu Siemens Solaris: 8 02/02 ⁴ , 9 04/03	Fujitsu Siemens PRIMECLUSTER 4.1 ¹⁸	HA: 2, RAC: 2	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	See ¹
18	PRIMEPOWER: 650, 850	Fujitsu Siemens Solaris 8 02/02	Fujitsu Siemens PRIMECLUSTER 3.0 ³ ; Veritas Cluster Server (VCS) 1.3	HA: 4 ⁷	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	See ¹
19	PRIMEPOWER: 650, 850	Fujitsu Siemens Solaris 8 02/02	Fujitsu Siemens PRIMECLUSTER 4.0 ⁹	HA: 4	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{5, 6} , LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	See ¹
20	PRIMEPOWER: 650, 850	Fujitsu Siemens Solaris 8 02/02	Veritas Cluster Server (VCS) 2.0 ¹⁰	HA: 4	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X), LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	
21	PRIMEPOWER: 650, 850	Fujitsu Siemens Solaris 8 02/02 ⁴	Fujitsu Siemens PRIMECLUSTER 3.0 ³ ; Veritas Cluster Server (VCS) 1.3	HA: 4 ⁷	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{5, 6}	See ^{1, 8}
22	PRIMEPOWER: 650, 850	Fujitsu Siemens Solaris: 8 02/02, 9 04/03	Fujitsu Siemens PRIMECLUSTER 4.1 ¹⁸	HA: 2, RAC: 2	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{5, 6} , LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	See ¹
23	PRIMEPOWER: 650, 850, GP7000F 1000, GP7000F 200, GP7000F 2000, GP7000F 400, GP7000F 600, GP7000F 800	Fujitsu Siemens Solaris 8 02/02	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 3.5 ^{10, 11}	HA: 8	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X), LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	
24	PRIMEPOWER: 650, 850, GP7000F 1000, GP7000F 200, GP7000F 2000, GP7000F 400, GP7000F 600, GP7000F 800	Fujitsu Siemens Solaris 8 02/02	Veritas DBED/AC for 9iRAC 3.5 ^{10, 11, 13, 14, 15, 16, 17}	RAC: 4 ¹²	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X), LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	

- Also supports Fujitsu Technology Solutions Inc.
- FSC requires all patches for Solaris 7 be obtained through FSC in the form of a Solaris 7 PTF patch CD. The current patch CD is Solaris 7 PTF R03111.
- The PRIMECLUSTER V3.0 family of software products consists of: Cluster Foundation (CF) 1.5, Reliant Monitor Services (RMS) 3.1, Scalable Internet Services (SIS) 2.5, Parallel Application Services (PAS) 1.0, Wizard Tools WT 3.3.
- Symmetrix 8000 Series: 66/67 support: Reliant UNIX 5.44, 5.45 Solaris 2.6, 7, 8 or 9. Symmetrix 8000 Series: 5568 support: Solaris 8, 9.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- 5-64 nodes on special release available via RPQ.
- For use in US/Europe only. Refer to Fujitsu Base Connectivity information for Asia Pacific/Japan.
- The PRIMECLUSTER V4.0 family of software products consists of the following components: Reliant Monitor Services RMS 4.0A, Cluster Foundation CF 4.0A, Wizard Tools WT 4.0A and Application Wizards AW, Scalable Internet Services SIS 4.0A, Parallel Application Services PAS 4.0A, Global File Services GFS 4.0, Global Disk Services GDS 4.0, Global Link Services GLS 4.0
- GAB disks (membership and service group heartbeat disks) are not supported.
- For configurations with PowerPath 3.0.1 use native names only, and no power devices.
- Veritas MP1 is required for clusters with more than 2 servers
- Symmetrix SCSI-3 "PER" volume flag setting required for devices accessible through two or more paths.
- SRDF and/or Timefinder by RPQ only
- If all FC connectivity to the array is lost (without a server shutdown), then after connectivity is restored, the user must execute a vxctl enable command, before the VCS Oracle 9iRAC service group is brought back online.
- Requires Symmetrix 8000 Series, PowerPath 3.0.4 or later, VxVM 3.5 or later or Solstice Disk Suite (SDS) 4.2.1. Supported with Microcode 5568.52.18 5567 code revisions supported are 5567.46.24 or 5567.53.30. 5567.53.30 requires the PGR Phase 4 E-pack. Symmetrix "PER" volume flag for Persistent Reservation support for devices accessible through more than two paths.
- Requires Symmetrix 8000 Series and minimum microcode of (5567.50.28 or later) or (5568.54.20 or later).
- GDS requires Fujitsu PCL Fibre Channel driver PFCA2.2.1.

HPQ HP-UX

HPQ – HPQ HP-UX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	HP 9000 D-Class	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11, 11.14} , 3, 4, 11	OPS: 16	HPQ: A3591A, A3591B
2	HP 9000 D-Class	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25, 11.14} , 3, 4, 41	HA: 16	HPQ A4107A
3	HP 9000 D-Class	HPQ HP-UX: 11.0 ACE ^{1, 2, 11.0} , 2	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11, 11.14} , 3, 4, 11	OPS: 16	HPQ A4107A
4	HP 9000 N-Class (N4000)	HPQ HP-UX 11.0: 990P ^{1, 2, 37} , ACE ^{1, 2} , HPQ HP-UX 11.0 ^{1, 2, 15}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4, 11, 11.12} , 3, 11; HPQ MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ A3740A
5	HP 9000 N-Class (N4000)	HPQ HP-UX 11.0: 990P ^{1, 2, 37} , ACE ^{1, 2} , HPQ HP-UX 11.0 ^{1, 2, 15}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11, 11.14} , 3, 4, 11	OPS: 16, RAC: 8 ¹⁴	HPQ A3740A

HPQ – HPQ HP–UX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
6	HP 9000 N–Class (N4000)	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ¹	Legato LAAM (Legato Cluster) 4.7	HA: 16	HPQ A5158A ¹⁸
7	HP 9000 N–Class (N4000)	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1,5}	HPQ MC/Service Guard: 11.09 ^{3,4} , 11.13 ^{3,4} , 11.14 ^{3,4}	HA: 16	HPQ A4800A ⁶
8	HP 9000 N–Class (N4000)	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1,5,15}	HPQ MC/Service Guard OPS: 11.13 ^{3,4} , 11, 11.14 ^{3,4,11}	OPS: 16, RAC: 8 ¹⁴	HPQ A4800A ⁶
9	HP 9000 N–Class (N4000)	HPQ HP–UX: 11.0 ACE ^{1,2} , 11.0 ^{1,2}	HPQ MC/Service Guard: 11.07 ³ , 11.12 ³ , 11.13 ^{3,4} , 11.14 ^{3,4}	HA: 16	HPQ: A5150A ¹⁰ , A5159A ⁶ , A5838A ¹⁰
10	HP 9000 N–Class (N4000)	HPQ HP–UX: 11.0 ACE ^{1,2} , 11.0 ^{1,2}	HPQ MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ A5838A ¹⁰
11	HP 9000 N–Class (N4000)	HPQ HP–UX: 11.0 ACE ^{1,2} , 11.0 ^{1,2}	Legato LAAM (Legato Cluster) 4.7	HA: 16	HPQ A5158A
12	HP 9000 N–Class (N4000)	HPQ HP–UX: 11.0 ACE ¹ , 11.0 ¹	HPQ MC/Service Guard 11.07 ³	HA: 16	HPQ: A4800A ⁶ , A5149A ¹⁰
13	HP 9000 N–Class (N4000)	HPQ HP–UX: 11.0 ACE ¹ , 11.0 ¹	HPQ MC/Service Guard: 11.09 ^{3,4,14} , 11.12 ^{3,14} , 11.13 ^{2,3,4,14} , 11.14 ^{2,3,4}	HA: 16	HPQ A4800A ⁶
14	HP 9000 N–Class (N4000)	HPQ HP–UX: 11.0 ACE ¹ , 11.0 ^{1,15}	HPQ MC/Service Guard OPS 11.12 ^{3,11}	OPS: 8	HPQ: A4800A ⁶ , A5149A ¹⁰
15	HP 9000 N–Class (N4000)	HPQ HP–UX: 11.0 ACE ¹ , 11.0 ^{1,15}	HPQ MC/Service Guard OPS: 11.13 ^{2,3,4,11} , 11.14 ^{2,3,4,11}	OPS: 16, RAC: 8 ¹⁴	HPQ A4800A ⁶
16	HP 9000 N–Class (N4000)	HPQ HP–UX: 11.0 ACE ¹ , 11.0 ^{1,15}	HPQ MS/Service Guard OPS 11.08 ^{2,3}	OPS: 8	HPQ A4800A ⁶
17	HP 9000 N–Class (N4000)	HPQ HP–UX: 11.0 ACE ¹ , 11.0 ^{1,15} , 11i v1.0 (HP–UX 11.11) ^{1,5,15}	HPQ MC/Service Guard OPS 11.09 ^{3,4,11}	OPS: 8	HPQ A4800A ⁶
18	HP 9000 N–Class (N4000)	HPQ HP–UX: 11.0 ACE ¹ , 11.0 ¹ , 11i v1.0 (HP–UX 11.11) ^{1,5}	Legato LAAM (Legato Cluster) 4.7 ¹³ ; Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16	HPQ: A4800A ⁶ , A5149A ¹⁰
19	HP 9000 rp2400 (A400/440MHz)	HPQ HP–UX: 11.0 ACE ^{1,2} , 11.0 ^{1,2}	HPQ MC/Service Guard: 11.12 ³ , 11.13 ^{3,4} , 11.14 ^{3,4}	HA: 16	HPQ A5838A ¹⁰
20	HP 9000 rp2405	HPQ HP–UX 11.0 March 2002 ^{1,2}	HPQ MC/Service Guard OPS: 11.13 ^{3,4,11} , 11.14 ^{3,4,11}	OPS: 16	HPQ A5838A ¹⁰
21	HP 9000 rp2405	HPQ HP–UX 11.0 March 2002 ^{1,2}	HPQ MC/Service Guard: 11.13 ^{3,4} , 11.14 ^{3,4} ; Veritas Cluster Server (VCS) 1.3.1.P3 ^{22,23}	HA: 16	HPQ: A5159A ⁶ , A5838A ¹⁰ , A6795A ^{18,39}
22	HP 9000 rp2405	HPQ HP–UX 11.0 ^{1,2}	HPQ MC/Service Guard OPS: 11.13 ^{3,4,11} , 11.14 ^{3,4,11}	OPS: 16, RAC: 8 ¹⁴	HPQ: A5149A ¹⁰ , A5158A ²⁰
23	HP 9000 rp2405	HPQ HP–UX 11.0 ^{1,2}	HPQ MC/Service Guard: 11.13 ^{3,4} , 11.14 ^{3,4}	HA: 16	HPQ: A5149A ¹⁰ , A5158A ²⁰
24	HP 9000 rp2405	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ¹	HPQ MC/Service Guard OPS: 11.13 ^{3,4,11,34} , 11.14 ^{3,4,11,40}	OPS: 16, RAC: 8 ¹⁴	HPQ A6795A ^{18,39}
25	HP 9000 rp2405	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ¹	HPQ MC/Service Guard: 11.13 ^{3,4,25} , 11.14 ^{3,4,41} , 11.15 ^{3,41,50}	HA: 16	HPQ A6795A ^{18,39}
26	HP 9000 rp2405	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ¹	HPQ MC/Service Guard 11.15 ^{3,41,50}	HA: 16	HPQ: A5149A ¹⁰ , A5150A ¹⁰
27	HP 9000 rp2405	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ¹	HPQ MC/Service Guard OPS 11.13 ^{3,4,11,34}		HPQ A4800A ⁶
28	HP 9000 rp2405	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ¹	HPQ MC/Service Guard OPS 11.14 ^{3,4,11,40}	OPS: 16, RAC: 8 ¹⁴	HPQ: A4800A ⁶ , A5149A ¹⁰ , A5150A ¹⁰
29	HP 9000 rp2405	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ¹	HPQ MC/Service Guard: 11.13 ^{3,4,25} , 11.14 ^{3,4,41}	HA: 16	HPQ: A4800A ⁶ , A5150A ¹⁰
30	HP 9000 rp2405	HPQ HP–UX 11i v1.0 (HP–UX: 11.11) March 2002 ¹ , 11.11) ¹	HPQ MC/Service Guard 11.15 ^{3,41,50}	HA: 16	HPQ A4800A ⁶
31	HP 9000 rp2405	HPQ HP–UX: 11.0 ^{1,2} , 11i v1.0 (HP–UX 11.11) March 2002 ¹	HPQ MC/Service Guard OPS: 11.13 ^{3,4,11} , 11.14 ^{3,4,11}	OPS: 16, RAC: 8 ¹⁴	HPQ A4800A ⁶
32	HP 9000 rp2405	HPQ HP–UX: 11.0 ^{1,2} , 11i v1.0 (HP–UX 11.11) March 2002 ¹	HPQ MC/Service Guard: 11.13 ^{3,4} , 11.14 ^{3,4}	HA: 16	HPQ A4800A ⁶
33	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP–UX 11.0 ACE ^{1,2}	HPQ MC/Service Guard OPS: 11.09 ^{3,4,11} , 11.12 ^{3,11}	OPS: 8	HPQ A5158A
34	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP–UX 11.0 ACE ^{1,2}	HPQ MC/Service Guard OPS: 11.13 ^{3,4,11} , 11.14 ^{3,4,11}	OPS: 16, RAC: 8 ¹⁴	HPQ A5158A
35	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP–UX 11.0 ACE ^{1,2}	HPQ MC/Service Guard: 11.09 ^{3,4} , 11.12 ³ , 11.14 ^{3,4}	HA: 16	HPQ A5158A
36	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ¹	Veritas Cluster Server (VCS) 1.3.1.P3 ^{22,23}	HA: 16	HPQ: A5158A ¹⁸ , A6795A ^{18,39}
37	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1,5}	HPQ MC/Service Guard OPS 11.09 ^{3,4,11,32}	OPS: 8	HPQ: A4800A ⁶ , A5149A ¹⁰ , A5150A ¹⁰ , A5159A ⁶
38	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1,5}	HPQ MC/Service Guard OPS 11.13 ^{3,4,11,34}	OPS: 16, RAC: 8 ¹⁴	HPQ: A4800A ⁶ , A5149A ¹⁰ , A5150A ¹⁰ , A5159A ⁶
39	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1,5}	HPQ MC/Service Guard OPS 11.14 ^{3,4,11,40}	OPS: 16, RAC: 8 ¹⁴	HPQ: A4800A ⁶ , A5150A ¹⁰ , A5159A ⁶
40	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP–UX: 11.0 ACE ^{1,2} , 11.0 ^{1,2}	HPQ MC/Service Guard 11.13 ^{3,4}	HA: 16	HPQ: A4800A ⁶ , A5150A ¹⁰ , A5158A, A5159A ⁶ , A5838A ¹⁰ , A6795A ^{18,39}

HPQ - HPQ HP-UX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
41	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP-UX: 11.0 ACE ^{1,2} , 11.0 ^{1,2}	HPQ MC/Service Guard OPS: 11.09 ^{3,4} , 11, 11.12 ^{3,11}	OPS: 8	HPQ: A4800A ⁶ , A5150A ¹⁰ , A5159A ⁶ , A5838A ¹⁰ , A6795A ^{18,39}
42	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP-UX: 11.0 ACE ^{1,2} , 11.0 ^{1,2}	HPQ MC/Service Guard OPS: 11.13 ^{3,4} , 11, 11.14 ^{3,4,11}	OPS: 16, RAC: 8 ¹⁴	HPQ: A4800A ⁶ , A5150A ¹⁰ , A5159A ⁶ , A6795A ^{18,39}
43	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP-UX: 11.0 ACE ^{1,2} , 11.0 ^{1,2}	HPQ MC/Service Guard: 11.12 ³ , 11.14 ^{3,4}	HA: 16	HPQ: A4800A ⁶ , A5150A ¹⁰ , A5159A ⁶ , A5838A ¹⁰ , A6795A ^{18,39}
44	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP-UX: 11.0 ACE ^{1,2} , 11.0 ^{1,2}	Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16	HPQ A5150A ¹⁰
45	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP-UX: 11.0 ACE ^{1,2} , 11.0 ^{1,2}	Veritas Cluster Server (VCS) 1.3.1.P3 ^{22,23}	HA: 16	HPQ: A5158A, A6795A ^{18,39}
46	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP-UX: 11.0 ACE ^{1,2} , 11.0 ^{1,2} , 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard 11.09 ^{3,4}	HA: 16	HPQ A6795A ^{18,39}
47	HP 9000 rp2450: (A500/440MHz), (A500/550MHz); HP 9000 rp5400 (L1000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1,5}	HPQ MC/Service Guard 11.09 ^{3,4,8}	HA: 16	HPQ A4800A ⁶
48	HP 9000 rp2450: (A500/440MHz), (A500/550MHz); HP 9000 rp5400 (L1000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1,5}	HPQ MC/Service Guard: 11.13 ^{3,4,25} , 11.14 ^{3,4,41}	HA: 16	HPQ: A4800A ⁶ , A5150A ¹⁰ , A5159A ⁶
49	HP 9000 rp2450: (A500/440MHz), (A500/550MHz); HP 9000 rp5400 (L1000)	HPQ HP-UX: 11.0 ACE ^{1,2} , 11.0 ^{1,2} , 11i v1.0 (HP-UX 11.11) ^{1,5}	Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16	HPQ: A4800A ⁶ , A5159A ⁶
50	HP 9000 rp2450: (A500/440MHz), (A500/550MHz); HP 9000: rp5400 (L1000), rp5405, rp5450 (L2000)	HPQ HP-UX: 11.0 ACE ¹ , 11.0 ¹ , 11i v1.0 (HP-UX 11.11) ^{1,5}	Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16	HPQ A5149A ¹⁰
51	HP 9000 rp2450: (A500/440MHz), (A500/550MHz); HP 9000: rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX: 11.0 ACE ^{1,2} , 11.0 ^{1,2}	HPQ MC/Service Guard 11.09 ^{3,4}	HA: 16	HPQ: A4800A ⁶ , A5838A ¹⁰
52	HP 9000 rp2470	HPQ HP-UX 11.0 March 2002 ^{1,2}	HPQ MC/Service Guard: 11.13 ^{3,4} , 11.14 ^{3,4} ; Veritas Cluster Server (VCS) 1.3.1.P3 ^{22,23}	HA: 16	HPQ: A5159A ⁶ , A6795A ^{18,39}
53	HP 9000 rp2470	HPQ HP-UX 11.0 ^{1,2}	HPQ MC/Service Guard OPS: 11.13 ^{3,4} , 11, 11.14 ^{3,4,11}	OPS: 16, RAC: 8 ¹⁴	HPQ: A4800A ⁶ , A5149A ¹⁰ , A5158A ²⁰
54	HP 9000 rp2470	HPQ HP-UX 11.0 ^{1,2}	HPQ MC/Service Guard: 11.13 ^{3,4} , 11.14 ^{3,4}	HA: 16	HPQ: A4800A ⁶ , A5149A ¹⁰ , A5158A ²⁰
55	HP 9000 rp2470	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	HPQ MC/Service Guard OPS: 11.13 ^{3,4} , 11, 34, 11.14 ^{3,4,11,40}	OPS: 16, RAC: 8 ¹⁴	HPQ: A4800A ⁶ , A6795A ^{18,39}
56	HP 9000 rp2470	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	HPQ MC/Service Guard: 11.13 ^{3,4,25} , 11.14 ^{3,4,41,11.15^{3,41,50}}	HA: 16	HPQ: A4800A ⁶ , A6795A ^{18,39}
57	HP 9000 rp2470	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard 11.15 ^{3,41,50}	HA: 16	HPQ: A5149A ¹⁰ , A5150A ¹⁰ , A6826A
58	HP 9000 rp2470	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard OPS 11.14 ^{3,4} , 11, 40	OPS: 16, RAC: 8 ¹⁴	HPQ: A5149A ¹⁰ , A5150A ¹⁰
59	HP 9000 rp2470	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard: 11.13 ^{3,4,25} , 11.14 ^{3,4,41}	HA: 16	HPQ: A5150A ¹⁰ , A6826A, A9782A
60	HP 9000 rp5400 (L1000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1,5,15}	HPQ MC/Service Guard OPS 11.09 ^{3,4} , 11, 32	OPS: 8	HPQ: A4800A ⁶ , A5150A ¹⁰ , A5159A ⁶
61	HP 9000 rp5400 (L1000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1,5,15}	HPQ MC/Service Guard OPS: 11.13 ^{3,4} , 11, 34, 11.14 ^{3,4,11,40}	OPS: 16, RAC: 8 ¹⁴	HPQ: A4800A ⁶ , A5150A ¹⁰ , A5159A ⁶
62	HP 9000 rp5400 (L1000)	HPQ HP-UX: 11.0 ACE ^{1,2} , 11.0 ^{1,2} , 11i v1.0 (HP-UX 11.11) ^{1,5}	Legato LAAM (Legato Cluster) 4.7 ¹³	HA: 16	HPQ: A4800A ⁶ , A5159A ⁶
63	HP 9000 rp5405	HPQ HP-UX 11.0: ACE ^{1,2} , Sept 2001 ^{1,2,24} ; HPQ HP-UX 11.0 ^{1,2}	HPQ MC/Service Guard: 11.09 ^{3,4} , 11.12 ³ , 11.13 ^{3,4} , 11.14 ^{3,4}	HA: 16	HPQ A4800A ⁶
64	HP 9000 rp5405	HPQ HP-UX: 11.0 ACE ¹ , 11.0 ¹ , 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1,24}	HPQ MC/Service Guard 11.09 ^{3,4,11}	HA: 16	HPQ A5149A ¹⁰
65	HP 9000 rp5405 ^{15,17}	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) Sept 2001 ¹ , 11.11 ¹	HPQ MC/Service Guard OPS 11.09 ^{3,4} , 11, 32	OPS: 8	HPQ A5158A ¹⁸
66	HP 9000 rp5405 ^{15,17}	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) Sept 2001 ¹ , 11.11 ¹	HPQ MC/Service Guard OPS: 11.13 ^{3,4} , 11, 34, 11.14 ^{3,4,11,40}	OPS: 16, RAC: 8 ¹⁴	HPQ A5158A ¹⁸
67	HP 9000 rp5405 ¹⁷	HPQ HP-UX 11.0 Sept 2001 ^{1,2,24}	HPQ MC/Service Guard: 11.12 ³ , 11.13 ^{3,4} , 11.14 ^{3,4}	HA: 16	HPQ A5838A ¹⁰
68	HP 9000 rp5405 ¹⁷	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1,24}	HPQ MC/Service Guard: 11.13 ^{3,4,25} , 11.14 ^{3,4,41,11.15^{3,41,50}}	HA: 16	HPQ A5838A ¹⁰
69	HP 9000 rp5405 ¹⁷	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) Sept 2001 ¹ , 11.11 ¹	HPQ MC/Service Guard OPS 11.09 ^{3,4} , 11, 32	OPS: 8	HPQ A6795A ^{18,39}
70	HP 9000 rp5405 ¹⁷	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) Sept 2001 ¹ , 11.11 ¹	HPQ MC/Service Guard OPS: 11.13 ^{3,4} , 11, 34, 11.14 ^{3,4,11,40}	OPS: 16, RAC: 8 ¹⁴	HPQ A6795A ^{18,39}
71	HP 9000 rp5405 ¹⁷	HPQ HP-UX: 11.0 Sept 2001 ^{1,2,24} , 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1,24}	HPQ MC/Service Guard 11.09 ^{3,4}	HA: 16	HPQ A5838A ¹⁰
72	HP 9000 rp5430 (L1500)	HPQ HP-UX 11.0 Sept 2001 ^{1,2,23,24,47}	Veritas Cluster Server (VCS) 1.3.1.P3 ^{22,23}	HA: 16	HPQ A5159A ⁶

HPQ - HPQ HP-UX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
73	HP 9000 rp5430 (L1500)	HPQ HP-UX 11.0 Sept 2001 ^{1, 2, 23, 47}	Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16	HPQ A4800A ⁶
74	HP 9000 rp5430 (L1500)	HPQ HP-UX 11.0 Sept 2001 ^{1, 2, 24, 47}	HPQ MC/Service Guard: 11.07 ³ , 11.12 ³ , 11.13 ^{3, 4} , 11.14 ^{3, 4}	HA: 16	HPQ: A5150A ^{10, 48} , A5159A ^{6, 48}
75	HP 9000 rp5430 (L1500)	HPQ HP-UX 11.0 Sept 2001 ^{1, 2, 24, 47}	Legato LAAM (Legato Cluster) 4.7 ¹³	HA: 16	HPQ A5159A ⁶
76	HP 9000 rp5430 (L1500)	HPQ HP-UX 11.0 Sept 2001 ^{1, 2, 47}	HPQ MC/Service Guard: 11.07 ³ , 11.09 ³ , 11.13 ^{3, 4} , 11.14 ^{3, 4}	HA: 16	HPQ A4800A ⁶
77	HP 9000 rp5430 (L1500)	HPQ HP-UX 11.0 Sept 2001 ^{1, 23, 24, 47}	Veritas Cluster Server (VCS) 1.3.1.P3 ²² , 23	HA: 16	HPQ A5149A ¹⁰
78	HP 9000 rp5430 (L1500)	HPQ HP-UX 11.0 Sept 2001 ^{1, 24, 47}	HPQ MC/Service Guard: 11.07 ³ , 11.12 ³ , 11.11 ³ , 11.13 ^{2, 3, 4, 11} , 11.14 ^{2, 3, 4, 11}	HA: 16	HPQ A5149A ^{10, 48}
79	HP 9000 rp5430 (L1500)	HPQ HP-UX 11.0 Sept 2001 ^{1, 24, 47}	Legato LAAM (Legato Cluster) 4.7 ¹³	HA: 16	HPQ A5149A ¹⁰
80	HP 9000 rp5430 (L1500)	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4} , 11.11 ³ , 11.12 ^{3, 11}	OPS: 8	HPQ: A5158A, A6795A ^{18, 39}
81	HP 9000 rp5430 (L1500)	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11.11 ³ , 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ: A5158A, A6795A ^{18, 39}
82	HP 9000 rp5430 (L1500)	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard: 11.13 ^{3, 4} , 11.14 ^{3, 4}	HA: 16	HPQ A6795A ^{18, 39}
83	HP 9000 rp5430 (L1500)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 15, 23, 24}	Veritas Cluster Server (VCS) 1.3.1.P3 ²² , 38	HA: 16	HPQ A5159A ^{6, 48}
84	HP 9000 rp5430 (L1500)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 15, 24}	HPQ MC/Service Guard 11.15 ^{3, 41, 50}	HA: 16	HPQ A5150A ^{10, 48}
85	HP 9000 rp5430 (L1500)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 15, 24}	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41}	HA: 16	HPQ: A5150A ^{10, 48} , A5159A ^{6, 48}
86	HP 9000 rp5430 (L1500)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 15, 24}	Legato LAAM (Legato Cluster) 4.7 ¹³	HA: 16	HPQ A5159A ^{6, 48}
87	HP 9000 rp5430 (L1500)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 23, 24}	Veritas Cluster Server (VCS) 1.3.1.P3 ²² , 38	HA: 16	HPQ A5149A ^{10, 48}
88	HP 9000 rp5430 (L1500)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard 11.15 ^{3, 41, 50} ; Legato LAAM (Legato Cluster) 4.7 ¹³	HA: 16	HPQ A5149A ^{10, 48}
89	HP 9000 rp5430 (L1500)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard: 11.13 ^{3, 4, 11} , 11.25 ³ , 11.14 ^{3, 4, 11, 41}	HA: 16, RAC: 8 ¹⁴	HPQ A5149A ^{10, 48}
90	HP 9000 rp5430 (L1500)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 38}	Veritas Cluster Server (VCS) 1.3.1.P3 ²² , 38	HA: 16	HPQ A4800A ⁶
91	HP 9000 rp5430 (L1500)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	Legato: Automated Availability Manager (LAAM) 5.0 (Base) ^{13, 45} , LAAM (Legato Cluster) 4.8.1 ^{13, 45}	HA: 16	HPQ: A5158A, A6795A ³⁹
92	HP 9000 rp5430 (L1500)	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) Sept 2001 ^{1, 11.11} ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41} , 11.15 ^{3, 41, 50}	HA: 16	HPQ A6795A ^{18, 39}
93	HP 9000 rp5430 (L1500)	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) Sept 2001 ^{1, 11.11} ¹	Veritas Cluster Server (VCS) 1.3.1.P3 ²² , 38	HA: 16	HPQ: A5158A ¹⁸ , A6795A ^{18, 39}
94	HP 9000 rp5430 (L1500)	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2, 15}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4} , 11.11 ³ , 11.12 ^{3, 11} ; HPQ MS/Service Guard OPS 11.06 ³	OPS: 8	HPQ: A4800A ⁶ , A5150A ¹⁰ , A5159A ⁶
95	HP 9000 rp5430 (L1500)	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2, 15}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11.11 ³ , 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ: A4800A ⁶ , A5150A ¹⁰ , A5159A ⁶
96	HP 9000 rp5430 (L1500)	HPQ HP-UX: 11.0 Sept 2001 ^{1, 2, 24, 47} , 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 15, 24}	HPQ MC/Service Guard 11.09 ^{3, 4}	HA: 16	HPQ: A5150A ^{10, 48} , A5159A ^{6, 48}
97	HP 9000 rp5430 (L1500)	HPQ HP-UX: 11.0 Sept 2001 ^{1, 2, 47} , 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	Legato LAAM (Legato Cluster) 4.7 ¹³	HA: 16	HPQ A4800A ⁶
98	HP 9000 rp5430 (L1500)	HPQ HP-UX: 11.0 Sept 2001 ^{1, 24, 47} , 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard 11.09 ^{3, 4, 11}	HA: 16	HPQ A5149A ^{10, 48}
99	HP 9000 rp5430: (L1500), (L1500) ⁴⁹	HPQ HP-UX 11.0 Sept 2001 ^{1, 2}	HPQ MC/Service Guard: 11.09 ^{3, 4} , 11.13 ^{3, 4} , 11.14 ^{3, 4}	HA: 16	HPQ A5158A
100	HP 9000 rp5450 (L2000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard 11.15 ^{3, 41, 50}	HA: 16	HPQ: A4800A ⁶ , A5158A ¹⁸ , A6795A ^{18, 39} , A6826A
101	HP 9000 rp5450 (L2000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41}	HA: 16	HPQ: A4800A ⁶ , A5158A ¹⁸ , A6795A ^{18, 39} , A6826A, A9782A
102	HP 9000 rp5450 (L2000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5}	HPQ MC/Service Guard 11.15 ^{3, 41, 50}	HA: 16	HPQ: A5149A ¹⁰ , A5150A ¹⁰
103	HP 9000 rp5450 (L2000)	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2} , 11i v1.0 (HP-UX 11.11) ¹	Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16	HPQ A4800A ⁶
104	HP 9000 rp5470 (L3000) ¹⁵	HPQ HP-UX: 11.0 ACE ¹ , 11.0 ¹	Legato LAAM (Legato Cluster) 4.7 ¹³ ; Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16	HPQ A5149A ¹⁰

HPQ - HPQ HP-UX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
105	HP 9000 rp5470 (L3000) ^{15, 16}	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard: 11.09 ^{3, 4} , 11.12 ³ , 11.13 ^{3, 4} , 11.14 ^{3, 4}	HA: 16	HPQ A4800A ⁶
106	HP 9000 rp5470 (L3000) ^{15, 16}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard 11.09 ^{3, 4, 11}	HA: 16	HPQ A5149A ¹⁰
107	HP 9000 rp5470 (L3000) ^{15, 16}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5}	Legato LAAM (Legato Cluster) 4.7 ¹³	HA: 16	HPQ A5149A ¹⁰
108	HP 9000 rp7400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard 11.15 ^{3, 41, 50}	HA: 16	HPQ: A6795A ^{18, 39} , A6826A
109	HP 9000 rp7400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41}	HA: 16	HPQ: A6795A ^{18, 39} , A6826A, A9782A
110	HP 9000 rp7400 ^{15, 17, 44}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ A6795A ^{18, 39}
111	HP 9000 rp7400 ^{17, 21}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41} , 11.15 ^{3, 41, 50}	HA: 16	HPQ A6795A ^{18, 39}
112	HP 9000 rp7400 ⁴³	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard OPS 11.09 ^{3, 4} , 11.32	OPS: 8	HPQ A5158A ¹⁸
113	HP 9000 rp7400 ⁴³	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11.34, 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ A5158A ¹⁸
114	HP 9000 rp7400 ⁴³	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard: 11.09 ^{3, 4, 8} , 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41} , 11.15 ^{3, 41, 50}	HA: 16	HPQ A5158A ¹⁸
115	HP 9000 rp7400 ^{43, 49}	HPQ HP-UX: 11.0 990P ^{1, 2} , 37, 11.0 ^{1, 2, 24}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4} , 11, 11.12 ^{3, 11} ; HPQ MS/Service Guard OPS 11.06 ³	OPS: 8	HPQ A3740A
116	HP 9000 rp7400 ^{43, 49}	HPQ HP-UX: 11.0 990P ^{1, 2} , 37, 11.0 ^{1, 2, 24}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11, 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ A3740A
117	HP 9000 rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11.34, 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ: A4800A ⁶ , A5158A ¹⁸ , A6795A ^{18, 39}
118	HP 9000 rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41} , 11.15 ^{3, 41, 50} ; Veritas Cluster Server (VCS) 1.3.1.P3 ^{22, 38}	HA: 16	HPQ: A4800A ⁶ , A5158A ¹⁸ , A6795A ^{18, 39}
119	HP 9000 rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard OPS 11.09 ^{3, 4} , 11.32	OPS: 8	HPQ: A5149A ¹⁰ , A5159A ⁶
120	HP 9000 rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard OPS 11.13 ^{3, 4} , 11.34	OPS: 16, RAC: 8 ¹⁴	HPQ: A5149A ¹⁰ , A5159A ⁶
121	HP 9000 rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	Veritas Cluster Server (VCS) 1.3.1.P3 ^{22, 38}	HA: 16	HPQ: A5149A ¹⁰ , A5159A ⁶
122	HP 9000 rp8400 ²⁷	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	Veritas Cluster Server (VCS) 1.3.1.P3 ^{22, 38}	HA: 16	HPQ A5149A ¹⁰
123	HP 9000 rp8400 ^{27, 29}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11.34, 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ: A5158A ¹⁸ , A6795A ^{18, 39}
124	HP 9000 rp8400 ^{27, 29}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41} , 11.15 ^{3, 41, 50} ; Veritas Cluster Server (VCS) 1.3.1.P3 ^{22, 38}	HA: 16	HPQ: A5158A ¹⁸ , A6795A ^{18, 39}
125	HP 9000 rp8400 ^{27, 29}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard OPS 11.09 ^{3, 4} , 11.32	OPS: 8	HPQ A5159A ⁶
126	HP 9000 rp8400 ^{27, 29}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard OPS 11.13 ^{3, 4} , 11.34	OPS: 16, RAC: 8 ¹⁴	HPQ A5159A ⁶
127	HP 9000 rp8400 ^{27, 29}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	Veritas Cluster Server (VCS) 1.3.1.P3 ^{22, 38}	HA: 16	HPQ A5159A ⁶
128	HP 9000 rp8400 ^{29, 30}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11.34, 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ A4800A ⁶
129	HP 9000 rp8400 ^{29, 30}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41} ; Veritas Cluster Server (VCS) 1.3.1.P3 ^{22, 38}	HA: 16	HPQ A4800A ⁶
130	HP 9000 SUPERDOME ¹⁹	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ¹	HPQ MC/Service Guard 11.09 ^{3, 4, 8} , Veritas Cluster Server (VCS) 1.3.1.P3 ^{22, 38}	HA: 16	HPQ A5158A ¹⁸
131	HP 9000 SUPERDOME ¹⁹	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ¹	HPQ MC/Service Guard OPS 11.09 ^{3, 4} , 11.32	OPS: 8	HPQ A5158A ¹⁸
132	HP 9000 SUPERDOME ¹⁹	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ¹	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11.34, 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ: A5158A ¹⁸ , A6795A ^{18, 39}
133	HP 9000 SUPERDOME ¹⁹	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41} , 11.15 ^{3, 41, 50}	HA: 16	HPQ: A5158A ¹⁸ , A6795A ^{18, 39}
134	HP 9000 SUPERDOME ¹⁹	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ¹	Veritas Cluster Server (VCS) 3.5 ^{22, 46}	HA: 8	HPQ: A5158A ¹⁸ , A6795A ^{18, 39}
135	HP 9000 SUPERDOME ⁵	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ¹	HPQ MC/Service Guard OPS 11.09 ^{3, 4} , 11.32	OPS: 8	HPQ A4800A ⁶
136	HP 9000 SUPERDOME ⁵	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ¹	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11.34, 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ A4800A ⁶
137	HP 9000 SUPERDOME ⁵	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ¹	HPQ MC/Service Guard: 11.09 ^{3, 4, 8} , 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41} , 11.15 ^{3, 41, 50} ; Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16	HPQ A4800A ⁶
138	HP 9000 SUPERDOME ⁵	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ^{1, 5}	HPQ MC/Service Guard OPS 11.09 ^{3, 4} , 11.32	OPS: 8	HPQ: A5149A ¹⁰ , A5159A ⁶
139	HP 9000 SUPERDOME ⁵	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ^{1, 5}	HPQ MC/Service Guard OPS 11.13 ^{3, 4} , 11.34	OPS: 16, RAC: 8 ¹⁴	HPQ A5149A ¹⁰

HPQ - HPQ HP-UX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
140	HP 9000 SUPERDOME ⁵	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD1, 5	HPQ MC/Service Guard OPS 11.14 ^{3, 4, 11, 40}	OPS: 16	HPQ A5149A ¹⁰
141	HP 9000 SUPERDOME ⁵	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD1, 5	HPQ MC/Service Guard: 11.09 ^{3, 4, 11, 11.15^{3, 41, 50}}	HA: 16	HPQ A5149A ¹⁰
142	HP 9000 SUPERDOME ⁵	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD1, 5	HPQ MC/Service Guard: 11.09 ^{3, 4, 11.13^{3, 4, 25, 11.14^{3, 4, 41}}}	HA: 16	HPQ A5159A ⁶
143	HP 9000 SUPERDOME ⁵	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD1, 5	HPQ MC/Service Guard: 11.13 ^{3, 4, 11, 25, 11.14^{3, 4, 11, 41}}	HA: 16, RAC: 8 ¹⁴	HPQ A5149A ¹⁰
144	HP 9000 SUPERDOME ⁵	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD1, 5	Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16	HPQ: A5149A ¹⁰ , A5159A ⁶
145	HP 9000 T600	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ MC/Service Guard 11.09 ^{3, 4, 11, 38} , Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16	HPQ A3636A
146	HP 9000 T600	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ MC/Service Guard OPS 11.12 ³	OPS: 8	HPQ A3636A
147	HP 9000 T600	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4, 11, 11.12^{3, 11}}	OPS: 8	HPQ 28696A
148	HP 9000 T600	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11, 11.14^{3, 4, 11}}	OPS: 16, RAC: 8 ¹⁴	HPQ 28696A
149	HP 9000 T600	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11.14^{3, 4}}	OPS: 16, RAC: 8 ¹⁴	HPQ A3636A
150	HP 9000 T600	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ MC/Service Guard: 11.07 ^{3, 11.12^{3, 11.13^{3, 4, 11.14^{3, 4}}}}	HA: 16	HPQ: 28696A, A3636A
151	HP 9000 T600	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ MS/Service Guard OPS 11.06 ³	OPS: 8	HPQ: 28696A, A3636A
152	HP 9000 T600	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard OPS 11.09 ^{3, 4, 11, 32}	OPS: 8	HPQ 28696A
153	HP 9000 T600	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11, 34, 11.14^{3, 4, 11, 40}}	OPS: 16	HPQ 28696A
154	HP 9000 T600	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25, 11.14^{3, 4, 41, 11.15^{3, 41, 50}}}	HA: 16	HPQ 28696A
155	HP 9000 T600	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5}	HPQ MC/Service Guard OPS 11.09 ^{3, 4, 11, 32}	OPS: 8	HPQ A3644A ³³
156	HP 9000 T600	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11, 34, 11.14^{3, 4, 11, 40}}	OPS: 16, RAC: 8 ¹⁴	HPQ A3644A ³³
157	HP 9000 T600	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 34, 11.14^{3, 4, 40}}	OPS: 16, RAC: 8 ¹⁴	HPQ A3636A
158	HP 9000 T600	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5}	HPQ MC/Service Guard: 11.09 ^{3, 4, 8, 12, 11.13^{3, 4, 12, 25, 11.14^{3, 4, 12, 41}}} Legato: Automated Availability Manager (LAAM) 5.0 (Base) ^{13, 42} , LAAM (Legato Cluster) 4.8 ¹³	HA: 16	HPQ A3636A
159	HP 9000 T600	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5}	HPQ MC/Service Guard: 11.13 ^{3, 4, 25, 11.14^{3, 4, 41, 11.15^{3, 41, 50}}}	HA: 16	HPQ A3644A
160	HP 9000 T600	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5}	Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16	HPQ: A3636A, A3644A
161	HP 9000 T600	HPQ HP-UX: 11.0 ACE ^{1, 2, 11.0^{1, 2}}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4, 11, 11.12^{3, 11}} HPQ MS/Service Guard OPS 11.06 ³	OPS: 8	HPQ A3644A ³³
162	HP 9000 T600	HPQ HP-UX: 11.0 ACE ^{1, 2, 11.0^{1, 2}}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11, 11.14^{3, 4, 11}}	OPS: 16, RAC: 8 ¹⁴	HPQ A3644A ³³
163	HP 9000 T600	HPQ HP-UX: 11.0 ACE ^{1, 2, 11.0^{1, 2}}	HPQ MC/Service Guard: 11.07 ^{3, 11.12^{3, 11.13^{3, 4, 11.14^{3, 4}}}}	HA: 16	HPQ A3644A
164	HP 9000 T600	HPQ HP-UX: 11.0 ACE ^{1, 2, 11.0^{1, 2, 11i v1.0 (HP-UX 11.11)^{1, 5}}}	HPQ MC/Service Guard 11.09 ^{3, 4}	HA: 16	HPQ A3644A
165	HP 9000 T600	HPQ HP-UX: 11.0 ACE ^{1, 2, 11i v1.0 (HP-UX 11.11)¹}	HPQ MC/Service Guard 11.09 ^{3, 4}	HA: 16	HPQ 28696A
166	HP 9000 T600	HPQ HP-UX: 11.0 ACE ^{1, 2, 11i v1.0 (HP-UX 11.11)^{1, 5}}	HPQ MC/Service Guard OPS 11.09 ^{3, 4, 32}	OPS: 8	HPQ A3636A
167	HP 9000 T600	HPQ HP-UX: 11.0 ACE ^{1, 2, 11i v1.0 (HP-UX 11.11)^{1, 5}}	Legato LAAM (Legato Cluster) 4.7 ¹³	HA: 16	HPQ A3636A
168	HP 9000 V2600	HPQ HP-UX: 11.0 ACE ^{1, 2, 11.0^{1, 2}}	HPQ MC/Service Guard: 11.09 ^{3, 4, 11.12^{3, 11.13^{3, 4, 11.14^{3, 4}}}}	HA: 16	HPQ A5158A
169	HP 9000 V2600 ³¹	HPQ HP-UX 11.0 990P ^{1, 2}	HPQ MC/Service Guard: 11.09 ^{3, 4, 11.12^{3, 11.13^{3, 4, 11.14^{3, 4}}} Legato LAAM (Legato Cluster) 4.7¹³}	HA: 16	HPQ A5158A
170	HP 9000 V2600 ⁹	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25, 11.14^{3, 4, 41, 11.15^{3, 41, 50}}}	HA: 16	HPQ: A4800A ⁶ , A5158A ¹⁸
171	HP 9000 V2600 ⁹	HPQ HP-UX: 11.0 ACE ^{1, 2, 11.0^{1, 2}}	HPQ MC/Service Guard: 11.09 ^{3, 4, 11.12^{3, 11.13^{3, 4, 11.14^{3, 4}}}}	HA: 16	HPQ: A3740A, A4800A ⁶
172	HP 9000 V2600 ⁹	HPQ HP-UX: 11.0 ACE ^{1, 2, 11.0^{1, 2, 11i v1.0 (HP-UX 11.11)¹}}	HPQ MC/Service Guard OPS 11.09 ^{3, 4, 11, 32}	OPS: 8	HPQ A4800A ⁶
173	HP 9000 V2600 ⁹	HPQ HP-UX: 11.0 ACE ^{1, 2, 11.0^{1, 2, 11i v1.0 (HP-UX 11.11)¹}}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11, 34, 11.14^{3, 4, 11, 40}}	OPS: 16, RAC: 8 ¹⁴	HPQ A4800A ⁶
174	HP 9000: D-Class, R-Class, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5}	Legato: Automated Availability Manager (LAAM) 5.0 (Base) ^{13, 42} , LAAM (Legato Cluster) 4.8 ¹³	HA: 16	HPQ: A3591A, A3591B
175	HP 9000: D-Class, R-Class, R380, R390	HPQ HP-UX: 11.0 ACE ^{1, 2, 11.0^{1, 2, 11i v1.0 (HP-UX 11.11)^{1, 5}}}	Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16	HPQ A4107A

HPQ - HPQ HP-UX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
176	HP 9000: D-Class, R-Class, R380, R390	HPQ HP-UX: 11.0 ACE ^{1,2} 11i v1.0 (HP-UX 11.11) ^{1,5}	Legato LAAM (Legato Cluster) 4.7 ¹³ , Veritas Cluster Server (VCS) 1.3.1.P ³²²	HA: 16	HPQ: A3591A, A3591B
177	HP 9000: D-Class, R380, R390	HPQ HP-UX 11.0 ACE ^{1,2}	HPQ MC/Service Guard OPS: 11.09 ^{3,4} , 11, 11.12 ^{3,11} ; HPQ MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ: A3591A, A3591B
178	HP 9000: D-Class, R380, R390	HPQ HP-UX 11.0 ACE ^{1,2}	HPQ MC/Service Guard: 11.07 ³ , 11.12 ³ , 11.13 ^{3,4} , 11.14 ^{3,4}	HA: 16	HPQ: A3591A, A3591B, A4107A
179	HP 9000: D-Class, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard 11.15 ^{3,41,50}	HA: 16	HPQ A4107A
180	HP 9000: D-Class, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1,5}	HPQ MC/Service Guard 11.15 ^{3,41,50}	HA: 16	HPQ A3591B
181	HP 9000: D-Class, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1,5}	HPQ MC/Service Guard OPS 11.09 ^{3,4} , 11, 32	OPS: 8	HPQ: A3591A, A3591B, A4107A ³⁶
182	HP 9000: D-Class, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1,5}	HPQ MC/Service Guard OPS: 11.13 ^{3,4} , 11, 34, 11.14 ^{3,4,11,40}	OPS: 16, RAC: 8 ¹⁴	HPQ: A3591A, A3591B, A4107A ³⁶
183	HP 9000: D-Class, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1,5}	HPQ MC/Service Guard: 11.13 ^{3,4,25} , 11.14 ^{3,4,41}	HA: 16	HPQ: A3591A, A3591B
184	HP 9000: D-Class, R380, R390	HPQ HP-UX: 11.0 ACE ^{1,2} , 11.0 ^{1,2}	HPQ MC/Service Guard OPS: 11.09 ^{3,4} , 11, 11.12 ^{3,11} ; HPQ MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ A4107A
185	HP 9000: D-Class, R380, R390	HPQ HP-UX: 11.0 ACE ^{1,2} , 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard 11.09 ^{3,4}	HA: 16	HPQ A4107A
186	HP 9000: D-Class, R380, R390	HPQ HP-UX: 11.0 ACE ^{1,2} , 11i v1.0 (HP-UX 11.11) ^{1,5}	HPQ MC/Service Guard 11.09 ^{3,4}	HA: 16	HPQ: A3591A, A3591B
187	HP 9000: D270, D280, D370, D380, D390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard: 11.13 ^{3,4,25} , 11.14 ^{3,4,41}	HA: 16	HPQ A6684A ¹⁸
188	HP 9000: D270, D280, D370, D380, D390, R380, R390	HPQ HP-UX 11.0 ^{1,2}	HPQ MC/Service Guard OPS: 11.09 ^{3,4} , 11, 11.12 ^{3,11}	OPS: 8	HPQ A6684A ¹⁸
189	HP 9000: D270, D280, D370, D380, D390, R380, R390	HPQ HP-UX 11.0 ^{1,2}	HPQ MC/Service Guard OPS: 11.13 ^{3,4} , 11, 11.14 ^{3,4,11}	OPS: 16, RAC: 8 ¹⁴	HPQ A6684A ¹⁸
190	HP 9000: D270, D280, D370, D380, D390, R380, R390	HPQ HP-UX 11.0 ^{1,2}	HPQ MC/Service Guard: 11.09 ^{3,4} , 11.12 ³ , 11.13 ^{3,4} , 11.14 ^{3,4} ; Veritas Cluster Server (VCS) 1.3.1.P ³²²	HA: 16	HPQ A6684A ¹⁸
191	HP 9000: D270, D280, D370, D380, D390, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard 11.09 ^{3,4,8} , Veritas Cluster Server (VCS) 1.3.1.P ³²² , 38	HA: 16	HPQ A6684A ¹⁸
192	HP 9000: D270, D280, D370, D380, D390, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard OPS 11.09 ^{3,4} , 11, 32	OPS: 8	HPQ A6684A ¹⁸
193	HP 9000: D270, D280, D370, D380, D390, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard OPS: 11.13 ^{3,4} , 11, 34, 11.14 ^{3,4,11,40}	OPS: 16, RAC: 8 ¹⁴	HPQ A6684A ¹⁸
194	HP 9000: D270, D280, D370, D380, D390, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	Veritas Cluster Server (VCS) 3.5 ^{22,46}	HA: 8	HPQ A6684A ¹⁸
195	HP 9000: K220, K250, K420, K450	HPQ HP-UX 11.0 June 2001 ^{1,2}	HPQ MC/Service Guard OPS: 11.09 ^{3,4} , 11, 11.12 ^{3,11}	OPS: 8	HPQ A6685A ²⁰
196	HP 9000: K220, K250, K420, K450	HPQ HP-UX 11.0 June 2001 ^{1,2}	HPQ MC/Service Guard OPS: 11.13 ^{3,4} , 11, 11.14 ^{3,4,11}	OPS: 16	HPQ A6685A ²⁰
197	HP 9000: K220, K250, K420, K450	HPQ HP-UX 11.0 June 2001 ^{1,2}	HPQ MC/Service Guard: 11.09 ^{3,4} , 11.12 ³ , 11.13 ^{3,4} , 11.14 ^{3,4} ; Veritas Cluster Server (VCS) 1.3.1.P ³²²	HA: 16	HPQ A6685A ²⁰
198	HP 9000: K220, K250, K420, K450	HPQ HP-UX 11i v1.0 (HP-UX 11.11) June 2001 ¹	HPQ MC/Service Guard OPS 11.09 ^{3,4} , 11, 32	OPS: 8	HPQ A6685A ¹⁸
199	HP 9000: K220, K250, K420, K450	HPQ HP-UX 11i v1.0 (HP-UX 11.11) June 2001 ¹	HPQ MC/Service Guard OPS: 11.13 ^{3,4} , 11, 34, 11.14 ^{3,4,11,40}	OPS: 16	HPQ A6685A ¹⁸
200	HP 9000: K220, K250, K420, K450	HPQ HP-UX 11i v1.0 (HP-UX 11.11) June 2001 ¹	HPQ MC/Service Guard: 11.09 ^{3,4,8} , 11.13 ^{3,4,25} , 11.14 ^{3,4,41} , 11.15 ^{3,41,50} ; Legato: Automated Availability Manager (LAAM) 5.0 (Base) ^{13,42} , LAAM (Legato Cluster) 4.7 ¹³ , LAAM (Legato Cluster) 4.8 ¹³ ; Veritas Cluster Server (VCS) 1.3.1.P ³²² , 38	HA: 16	HPQ A6685A ¹⁸
201	HP 9000: K220, K250, K420, K450	HPQ HP-UX 11i v1.0 (HP-UX 11.11) June 2001 ¹	Veritas Cluster Server (VCS) 3.5 ^{22,46}	HA: 8	HPQ A6685A ¹⁸
202	HP 9000: K260, K360, K370, K380, K460, K570, K580	HPQ HP-UX 11.0 ^{1,2}	HPQ MC/Service Guard OPS: 11.09 ^{3,4} , 11, 11.12 ^{3,11}	OPS: 8	HPQ A6685A
203	HP 9000: K260, K360, K370, K380, K460, K570, K580	HPQ HP-UX 11.0 ^{1,2}	HPQ MC/Service Guard OPS: 11.13 ^{3,4} , 11, 11.14 ^{3,4,11}	OPS: 16	HPQ A6685A
204	HP 9000: K260, K360, K370, K380, K460, K570, K580	HPQ HP-UX 11.0 ^{1,2}	HPQ MC/Service Guard: 11.09 ^{3,4} , 11.12 ³ , 11.13 ^{3,4} , 11.14 ^{3,4}	HA: 16	HPQ A6685A ²⁰
205	HP 9000: K260, K360, K370, K380, K460, K570, K580	HPQ HP-UX 11.0 ^{1,2}	Veritas Cluster Server (VCS) 1.3.1.P ³²²	HA: 16	HPQ A6685A
206	HP 9000: K260, K360, K370, K380, K460, K570, K580	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard OPS 11.09 ^{3,4} , 11, 32	OPS: 8	HPQ A6685A ¹⁸
207	HP 9000: K260, K360, K370, K380, K460, K570, K580	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard OPS: 11.13 ^{3,4} , 11, 34, 11.14 ^{3,4,11,40}	OPS: 16	HPQ A6685A ¹⁸
208	HP 9000: K260, K360, K370, K380, K460, K570, K580	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard: 11.09 ^{3,4,8} , 11.13 ^{3,4,25} , 11.14 ^{3,4,41} , 11.15 ^{3,41,50} ; Veritas Cluster Server (VCS) 1.3.1.P ³²² , 38	HA: 16	HPQ A6685A ¹⁸
209	HP 9000: K260, K360, K370, K380, K460, K570, K580	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	Veritas Cluster Server (VCS) 3.5 ^{22,46}	HA: 8	HPQ A6685A ¹⁸
210	HP 9000: N-Class (N4000), rp2400 (A400/440MHz)	HPQ HP-UX: 11.0 ACE ^{1,2} , 11.0 ^{1,2}	HPQ MC/Service Guard 11.09 ^{3,4}	HA: 16	HPQ A5838A ¹⁰

HPQ - HPQ HP-UX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
211	HP 9000: N-Class (N4000), rp2400 (A400/440MHz)	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4} , 11, 11.12 ^{3, 11}	OPS: 8	HPQ A5838A ¹⁰
212	HP 9000: N-Class (N4000), rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11, 11.14 ^{3, 4, 11}	OPS: 16	HPQ A5838A ¹⁰
213	HP 9000: N-Class (N4000), rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41} , 11.15 ^{3, 41, 50}	HA: 16	HPQ: A5158A ¹⁸ , A6795A ^{18, 39}
214	HP 9000: N-Class (N4000), rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5}	HPQ MC/Service Guard 11.15 ^{3, 41, 50}	HA: 16	HPQ: A4800A ⁶ , A5149A ¹⁰ , A5150A ¹⁰
215	HP 9000: N-Class (N4000), rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard OPS 11.09 ^{3, 4} , 11, 32	OPS: 8	HPQ: A5158A ¹⁸ , A6795A ^{18, 39}
216	HP 9000: N-Class (N4000), rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11, 34, 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ: A5158A ¹⁸ , A6795A ^{18, 39}
217	HP 9000: N-Class (N4000), rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	Veritas Cluster Server (VCS) 3.5 ^{22, 46}	HA: 8	HPQ: A5158A ¹⁸ , A6795A ^{18, 39}
218	HP 9000: N-Class (N4000), rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2} , 11i v1.0 (HP-UX 11.11) ^{1, 5}	HPQ MC/Service Guard 11.09 ^{3, 4}	HA: 16	HPQ: A5150A ¹⁰ , A5159A ⁶
219	HP 9000: N-Class (N4000), rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX 11.0: 990P ^{1, 2} , ACE ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4} , 11, 11.12 ^{3, 11} ; HPQ MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ A5158A
220	HP 9000: N-Class (N4000), rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX 11.0: 990P ^{1, 2} , ACE ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11, 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ A5158A
221	HP 9000: N-Class (N4000), rp5400 (L1000), rp5450 (L2000), rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0: 990P ^{1, 2} , 37, ACE ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard: 11.07 ³ , 11.12 ³ , 11.13 ^{3, 4} , 11.14 ^{3, 4}	HA: 16	HPQ A6795A ^{18, 39}
222	HP 9000: N-Class (N4000), rp5400 (L1000), rp5450 (L2000), rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0: 990P ^{1, 2} , 37, ACE ^{1, 2} ; HPQ HP-UX: 11.0 ^{1, 2} , 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard 11.09 ^{3, 4} , Legato: Automated Availability Manager (LAAM) 5.0 (Base) ^{13, 42} , LAAM (Legato Cluster) 4.7 ¹³ , LAAM (Legato Cluster) 4.8 ¹³	HA: 16	HPQ A6795A ^{18, 39}
223	HP 9000: N-Class (N4000), rp5400 (L1000), rp5450 (L2000), rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	Veritas Cluster Server (VCS) 1.3.1.P ^{322, 38}	HA: 16	HPQ A6795A ^{18, 39}
224	HP 9000: N-Class (N4000), rp5405, rp5430 (L1500), rp5470 (L3000) ¹⁵	HPQ HP-UX: 11.0 ACE ¹ , 11.0 ^{1, 15}	HPQ MC/Service Guard OPS 11.13 ^{3, 4} , 11, 35	OPS: 16, RAC: 8 ¹⁴	HPQ A5149A ¹⁰
225	HP 9000: N-Class (N4000), rp5405, rp5430 (L1500), rp5470 (L3000) ¹⁵	HPQ HP-UX: 11.0 ACE ¹ , 11.0 ^{1, 15}	HPQ MC/Service Guard OPS 11.14 ^{3, 4} , 35	OPS: 16	HPQ A5149A ¹⁰
226	HP 9000: N-Class (N4000), rp5405, rp5430 (L1500), rp5470 (L3000) ¹⁵	HPQ HP-UX: 11.0 ACE ¹ , 11.0 ^{1, 15}	HPQ: MC/Service Guard OPS 11.09 ^{3, 4} , 11, MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ A5149A ¹⁰
227	HP 9000: N-Class (N4000), rp5405 ¹⁷ , rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5, 15}	HPQ MC/Service Guard OPS 11.09 ^{3, 4} , 11, 32	OPS: 8	HPQ: A5150A ¹⁰ , A5159A ⁶
228	HP 9000: N-Class (N4000), rp5405 ¹⁷ , rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5, 15}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11, 34, 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ: A5150A ¹⁰ , A5159A ⁶
229	HP 9000: N-Class (N4000), rp5405 ¹⁷ , rp5450 (L2000), rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2} , 11i v1.0 (HP-UX 11.11) ^{1, 5}	Legato LAAM (Legato Cluster) 4.7 ¹³ , Veritas Cluster Server (VCS) 1.3.1.P ³²²	HA: 16	HPQ A5159A ⁶
230	HP 9000: N-Class (N4000), rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2, 15}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4} , 11, 11.12 ^{3, 11} ; HPQ MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ: A5150A ¹⁰ , A5159A ⁶
231	HP 9000: N-Class (N4000), rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2, 15}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11, 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ: A5150A ¹⁰ , A5159A ⁶
232	HP 9000: N-Class (N4000), rp5450 (L2000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5}	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41}	HA: 16	HPQ: A5150A ¹⁰ , A5159A ⁶
233	HP 9000: N-Class (N4000), rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0: 990P ^{1, 2} , 37, ACE ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4} , 11, 11.12 ^{3, 11} ; HPQ MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ A6795A ^{18, 39}
234	HP 9000: N-Class (N4000), rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0: 990P ^{1, 2} , 37, ACE ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11, 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ A6795A ^{18, 39}
235	HP 9000: N-Class (N4000), rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0: 990P ^{1, 2} , 37, ACE ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	Veritas Cluster Server (VCS) 1.3.1.P ^{322, 23}	HA: 16	HPQ A6795A ^{18, 39}
236	HP 9000: N-Class (N4000), rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0: 990P ^{1, 2} , 37, ACE ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2, 15}	Veritas Cluster Server (VCS) 1.3.1.P ^{322, 23}	HA: 16	HPQ A3740A
237	HP 9000: N-Class (N4000), SUPERDOME ¹⁹ , rp2405, rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp2470, rp5400 (L1000), rp5405 ¹⁷ , rp5450 (L2000), rp5470 (L3000) ^{15, 16, 17} , rp7405, rp7410, rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ: A5158A ¹⁸ , A6795A ^{18, 39}
238	HP 9000: N-Class (N4000), V2200, V2250, V2500, rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX 11.0: 990P ^{1, 2} , ACE ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard: 11.07 ³ , 11.09 ^{3, 4} , 11.12 ³ , 11.13 ^{3, 4} , 11.14 ^{3, 4}	HA: 16	HPQ: A3740A, A5158A
239	HP 9000: N-Class (N4000), V2200, V2250, V2500, rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	Veritas Cluster Server (VCS) 1.3.1.P ³²²	HA: 16	HPQ A5158A ¹⁸
240	HP 9000: N-Class (N4000), V2200, V2250, V2500, rp5400 (L1000), rp5450 (L2000), rp7400, rp7400 ^{17, 21} , rp7400 ^{43, 49}	HPQ HP-UX 11.0 990P ^{1, 2}	Legato LAAM (Legato Cluster) 4.7 ¹³	HA: 16, OPS: 8	HPQ A5158A
241	HP 9000: N-Class (N4000), V2200, V2250, V2500, V2600, rp5400 (L1000), rp5405 ¹⁷ , rp5450 (L2000), rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11.0 ACE ^{1, 2}	Veritas Cluster Server (VCS) 1.3.1.P ³²²	HA: 16	HPQ A5158A
242	HP 9000: N-Class (N4000), V2200, V2250, V2500, V2600 ³¹ , rp5400 (L1000), rp5450 (L2000), rp7400, rp7400 ^{17, 21} , rp7400 ^{43, 49}	HPQ HP-UX 11.0 990P ^{1, 2}	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{13, 42}	HA: 16	HPQ A5158A

HPQ - HPQ HP-UX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
243	HP 9000: N-Class (N4000), V2200, V2250, V2500, V2600 ³¹ , rp5400 (L1000), rp5450 (L2000), rp7400, rp7400 ^{17, 21} , rp7400 ⁴³ , 49	HPQ HP-UX 11.0 990P ^{1, 2}	Legato LAAM (Legato Cluster) 4.8 ¹³ , Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16, OPS: 8	HPQ A5158A
244	HP 9000: N-Class (N4000), V2200, V2250, V2500, V2600 ⁹ , rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5405 ¹⁷ , rp5450 (L2000), rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard 11.09 ^{3, 4}	HA: 16	HPQ A5158A ¹⁸
245	HP 9000: N-Class (N4000), V2500, V2600 ⁹ , rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ^{15, 16}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5}	HPQ MC/Service Guard OPS 11.14 ^{3, 4} , 11, 40	OPS: 16	HPQ A5149A ¹⁰
246	HP 9000: N-Class (N4000), V2500, V2600 ⁹ , rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5405, rp5450 (L2000), rp5470 (L3000) ¹⁵	HPQ HP-UX: 11.0 ACE ¹ , 11.0 ¹	HPQ MC/Service Guard: 11.12 ^{3, 11} , 11.13 ^{2, 3, 4, 11} , 11.14 ^{2, 3, 4, 11}	HA: 16	HPQ A5149A ¹⁰
247	HP 9000: N-Class (N4000), V2500, V2600 ⁹ , rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5405, rp5450 (L2000), rp5470 (L3000) ^{15, 16}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5}	HPQ MC/Service Guard 11.09 ^{3, 4, 11, 12}	HA: 16	HPQ A5149A ¹⁰
248	HP 9000: N-Class (N4000), V2500, V2600 ⁹ , rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5}	HPQ MC/Service Guard: 11.13 ^{3, 4, 11} , 25, 11.14 ^{3, 4, 11, 41}	HA: 16, RAC: 8 ¹⁴	HPQ A5149A ¹⁰
249	HP 9000: N-Class (N4000), V2500, V2600 ⁹ , rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5450 (L2000), rp5470 (L3000) ¹⁵	HPQ HP-UX: 11.0 ACE ¹ , 11.0 ¹	HPQ MC/Service Guard 11.09 ^{3, 4, 11}	HA: 16	HPQ A5149A ¹⁰
250	HP 9000: N-Class (N4000), V2500, V2600 ⁹ , rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ^{15, 16}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5}	HPQ MC/Service Guard OPS 11.09 ^{3, 4} , 11, 32	OPS: 8	HPQ A5149A ¹⁰
251	HP 9000: N-Class (N4000), V2500, V2600 ⁹ , rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ^{15, 16}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 5}	HPQ MC/Service Guard OPS 11.13 ^{3, 4} , 11, 34	OPS: 16, RAC: 8 ¹⁴	HPQ A5149A ¹⁰
252	HP 9000: R380, R390	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11, 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ: A3591A, A3591B
253	HP 9000: R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41}	HA: 16	HPQ: A4107A, A6684A ¹⁸
254	HP 9000: R380, R390	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11, 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ A4107A
255	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz)	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	HPQ MC/Service Guard 11.07 ³	HA: 16	HPQ A5838A ¹⁰
256	HP 9000: rp2405, rp2470	HPQ HP-UX 11.0 March 2002 ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11, 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ: A5159A ⁶ , A6795A ^{18, 39}
257	HP 9000: rp2405, rp2470	HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11, 34, 11.14 ^{3, 4, 11, 40}	HA: 16, OPS: 8 ¹⁴	HPQ A5150A ¹⁰
258	HP 9000: rp2405, rp2470	HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41}	OPS: 16	HPQ A5150A ¹⁰
259	HP 9000: rp2405, rp2470	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	HPQ MC/Service Guard 11.09 ^{3, 4}	HA: 16	HPQ A6795A ^{18, 39}
260	HP 9000: rp2405, rp2470	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	Veritas Cluster Server (VCS) 1.3.1.P3 ²² , 38	HA: 16	HPQ: A4800A ⁶ , A6795A ^{18, 39}
261	HP 9000: rp2405, rp2470	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	Veritas Cluster Server (VCS) 3.5 ^{22, 46}	HA: 8	HPQ A6795A ^{18, 39}
262	HP 9000: rp2405, rp2470	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard OPS 11.13 ^{3, 4} , 11, 34	OPS: 16, RAC: 8 ¹⁴	HPQ: A5149A ¹⁰ , A5150A ¹⁰
263	HP 9000: rp2405, rp2470	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 41} , 11.14 ^{3, 4, 25}	HA: 16	HPQ A5149A ¹⁰
264	HP 9000: rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX 11.0: 990P ^{1, 2} , 37, ACE ^{1, 2} , HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4} , 11, 11.12 ^{3, 11} , HPQ MS/Service Guard OPS 11.06 ³	OPS: 8	HPQ: A3740A, A6795A ^{18, 39}
265	HP 9000: rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX 11.0: 990P ^{1, 2} , 37, ACE ^{1, 2} , HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11, 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ: A3740A, A6795A ^{18, 39}
266	HP 9000: rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX 11.0: 990P ^{1, 2} , 37, ACE ^{1, 2} , HPQ HP-UX 11.0 ^{1, 2}	Veritas Cluster Server (VCS) 1.3.1.P3 ²² , 23	HA: 16	HPQ: A3740A, A6795A ^{18, 39}
267	HP 9000: rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4} , 11, 11.12 ^{3, 11} , HPQ MS/Service Guard OPS 11.06 ³	OPS: 8	HPQ: A4800A ⁶ , A5150A ¹⁰ , A5159A ⁶ , A5838A ¹⁰
268	HP 9000: rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11, 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ: A4800A ⁶ , A5150A ¹⁰ , A5159A ⁶
269	HP 9000: rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	HPQ MC/Service Guard: 11.07 ³ , 11.12 ³ , 11.13 ^{3, 4} , 11.14 ^{3, 4}	HA: 16	HPQ: A4800A ⁶ , A5150A ¹⁰ , A5159A ⁶ , A5838A ¹⁰
270	HP 9000: rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	Legato LAAM (Legato Cluster) 4.7 ¹³	HA: 16	HPQ A5158A
271	HP 9000: rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	Veritas Cluster Server (VCS) 1.3.1.P3 ²² , 23	HA: 16	HPQ A5838A ¹⁰
272	HP 9000: rp5405, rp5430 (L1500), rp5470 (L3000) ¹⁵	HPQ HP-UX: 11.0 ACE ¹ , 11.0 ^{1, 15}	HPQ MC/Service Guard OPS 11.12 ^{3, 11}	OPS: 8	HPQ A5149A ¹⁰
273	HP 9000: rp5405, rp5470 (L3000) ^{15, 16}	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) Sept 2001 ^{1, 24, 11.11} ^{1, 5}	HPQ MC/Service Guard 11.15 ^{3, 41, 50}	HA: 16	HPQ A5149A ¹⁰
274	HP 9000: rp5405, rp5470 (L3000) ^{15, 16}	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) Sept 2001 ^{1, 24, 11.11} ^{1, 5}	HPQ MC/Service Guard: 11.13 ^{3, 4, 11} , 25, 11.14 ^{3, 4, 11, 41}	HA: 16, RAC: 8 ¹⁴	HPQ A5149A ¹⁰
275	HP 9000: rp5405, rp5470 (L3000) ^{15, 16}	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16	HPQ A4800A ⁶
276	HP 9000: rp5405, rp5470 (L3000) ^{15, 16}	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2, 15}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4} , 11, 11.12 ^{3, 11} , HPQ MS/Service Guard OPS 11.06 ³	OPS: 8	HPQ A4800A ⁶

HPQ - HPQ HP-UX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
277	HP 9000: rp5405, rp5470 (L3000) ^{15, 16}	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2, 15}	HPQ MC/Service Guard OPS: 11.1 ^{3, 4, 11} , 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ A4800A ⁶
278	HP 9000: rp5405 ^{15, 17} , rp5430 (L1500), rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	HPQ MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ A5158A
279	HP 9000: rp5405 ^{15, 17} , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4, 11} , 11.12 ^{3, 11}	OPS: 8	HPQ A5158A
280	HP 9000: rp5405 ^{15, 17} , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.1 ^{3, 4, 11} , 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ A5158A
281	HP 9000: rp5405 ¹⁷ , rp5430 (L1500), rp5430 (L1500) ⁴⁹ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11.0 Sept 2001 ^{1, 2}	HPQ MC/Service Guard 11.12 ³	HA: 16	HPQ A5158A
282	HP 9000: rp5405 ¹⁷ , rp5430 (L1500), rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11.0 Sept 2001 ^{1, 2}	Veritas Cluster Server (VCS) 1.3.1.P3 ^{22, 23}	HA: 16	HPQ A5158A
283	HP 9000: rp5405 ¹⁷ , rp5430 (L1500), rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard 11.12 ³ ; Veritas Cluster Server (VCS) 1.3.1.P3 ^{22, 23}	HA: 16	HPQ A6795A ^{18, 39}
284	HP 9000: rp5405 ¹⁷ , rp5430 (L1500), rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2} ; HPQ HP-UX: 11.0 ^{1, 2} , 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 2} , 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard 11.09 ^{3, 4}	HA: 16	HPQ A6795A ^{18, 39}
285	HP 9000: rp5405 ¹⁷ , rp5430 (L1500), rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) Sept 2001 ^{1, 11.11} ¹	Veritas Cluster Server (VCS) 3.5 ^{22, 46}	HA: 8	HPQ A6795A ^{18, 39}
286	HP 9000: rp5405 ¹⁷ , rp5430 (L1500) ⁴⁹ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4, 11} , 11.12 ^{3, 11}	OPS: 8	HPQ A6795A ^{18, 39}
287	HP 9000: rp5405 ¹⁷ , rp5430 (L1500) ⁴⁹ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.1 ^{3, 4, 11} , 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ A6795A ^{18, 39}
288	HP 9000: rp5405 ¹⁷ , rp5450 (L2000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 15}	HPQ MC/Service Guard OPS 11.09 ^{3, 4, 11, 32}	OPS: 8	HPQ A4800A ⁶
289	HP 9000: rp5405 ¹⁷ , rp5450 (L2000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{1, 15}	HPQ MC/Service Guard OPS: 11.1 ^{3, 4, 11, 34} , 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ A4800A ⁶
290	HP 9000: rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2, 24} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard: 11.12 ³ , 11.13 ^{3, 4, 11, 14} , 4	HA: 16	HPQ: A5150A ¹⁰ , A5159A ⁶
291	HP 9000: rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2, 24} ; HPQ HP-UX: 11.0 ^{1, 2} , 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24} , 11i v1.0 (HP-UX 11.11) ^{1, 5}	HPQ MC/Service Guard 11.09 ^{3, 4}	HA: 16	HPQ: A5150A ¹⁰ , A5159A ⁶
292	HP 9000: rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard 11.09 ^{3, 4}	HA: 16	HPQ A5158A
293	HP 9000: rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2} ; HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard: 11.13 ^{3, 4, 11, 14} , 4	HA: 16	HPQ: A5158A, A6795A ^{18, 39}
294	HP 9000: rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard 11.12 ³	HA: 16	HPQ A5158A ²⁶
295	HP 9000: rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	Veritas Cluster Server (VCS) 1.3.1.P3 ^{22, 38}	HA: 16	HPQ A5158A ¹⁸
296	HP 9000: rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) Sept 2001 ^{1, 24, 11.11} ^{1, 5}	HPQ MC/Service Guard 11.15 ^{3, 41, 50}	HA: 16	HPQ A5150A ¹⁰
297	HP 9000: rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) Sept 2001 ^{1, 24, 11.11} ^{1, 5}	HPQ MC/Service Guard: 11.13 ^{3, 4, 25, 11, 14} , 4, 41	HA: 16	HPQ: A5150A ¹⁰ , A5159A ⁶
298	HP 9000: rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) Sept 2001 ^{1, 11.11} ¹	HPQ MC/Service Guard 11.09 ^{3, 4, 8}	HA: 16	HPQ A4800A ⁶
299	HP 9000: rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) Sept 2001 ^{1, 11.11} ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25, 11, 14} , 4, 41, 11.15 ^{3, 41, 50}	HA: 16	HPQ: A4800A ⁶ , A6795A ^{18, 39}
300	HP 9000: rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) Sept 2001 ^{1, 11.11} ¹	Veritas Cluster Server (VCS) 1.3.1.P3 ^{22, 38}	HA: 16	HPQ A6795A ^{18, 39}
301	HP 9000: rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2}	HPQ MC/Service Guard 11.07 ³	HA: 16	HPQ: A5150A ¹⁰ , A5159A ⁶
302	HP 9000: rp5430 (L1500), rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) Sept 2001 ^{1, 11.11} ¹	HPQ MC/Service Guard OPS 11.09 ^{3, 4, 11, 32}	OPS: 8	HPQ: A5158A ¹⁸ , A6795A ^{18, 39}
303	HP 9000: rp5430 (L1500), rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) Sept 2001 ^{1, 11.11} ¹	HPQ MC/Service Guard OPS: 11.1 ^{3, 4, 11, 34} , 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ: A5158A ¹⁸ , A6795A ^{18, 39}
304	HP 9000: rp5430 (L1500), rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard 11.09 ^{3, 4}	HA: 16	HPQ A5158A ¹⁸
305	HP 9000: rp5430 (L1500), rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25, 11, 14} , 4, 41	HA: 16	HPQ: A4800A ⁶ , A5158A ¹⁸
306	HP 9000: rp5430 (L1500), rp7400, rp7400 ^{17, 21} , rp7400 ⁴³	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	Veritas Cluster Server (VCS) 3.5 ^{22, 46}	HA: 8	HPQ A5158A ¹⁸
307	HP 9000: rp5430 (L1500), rp7400, rp7400 ^{17, 21} , rp8400, rp8400 ^{29, 30}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard 11.09 ^{3, 4, 8}	HA: 16	HPQ A4800A ⁶
308	HP 9000: rp5430 (L1500), rp7400 ^{17, 21}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard 11.15 ^{3, 41, 50}	HA: 16	HPQ: A4800A ⁶ , A5158A ¹⁸

HPQ - HPQ HP-UX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
309	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0 Sept 2001 ^{1, 2}	HPQ MC/Service Guard: 11.07 ³ , 11.09 ^{3, 4} , 11.12 ^{3, 4} , 11.13 ^{3, 4} , 11.14 ^{3, 4}	HA: 16	HPQ A4800A ⁶
310	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0 Sept 2001 ^{1, 2, 24}	HPQ MC/Service Guard: 11.07 ³ , 11.12 ^{3, 4} , 11.13 ^{3, 4} , 11.14 ^{3, 4}	HA: 16	HPQ: A5150A ¹⁰ , A5159A ⁶
311	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0 Sept 2001 ^{1, 24}	HPQ MC/Service Guard: 11.07 ³ , 11.12 ^{3, 4} , 11.13 ^{3, 4} , 11.14 ^{3, 4}	HA: 16	HPQ A5149A ¹⁰
312	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0: 990P ^{1, 2, 37} , ACE ^{1, 2} , Sept 2001 ^{1, 2, 15, 24}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4, 11} , 11.12 ^{3, 11} ; HPQ MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ A3740A
313	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0: 990P ^{1, 2} , ACE ^{1, 2} , Sept 2001 ^{1, 2, 24}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11} , 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ A3740A
314	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4, 11} , 11.12 ^{3, 11} ; HPQ MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ A4800A ⁶
315	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11} , 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ A4800A ⁶
316	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2, 15, 24}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4, 11} , 11.12 ^{3, 11} ; HPQ MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ: A5150A ¹⁰ , A5159A ⁶ , A5838A ¹⁰
317	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2, 15, 24}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11} , 11.14 ^{3, 4, 11}	OPS: 16	HPQ A5838A ¹⁰
318	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0: ACE ^{1, 2} , Sept 2001 ^{1, 2, 15, 24}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11} , 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ: A5150A ¹⁰ , A5159A ⁶
319	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0: ACE ¹ , Sept 2001 ^{1, 15, 24}	HPQ MC/Service Guard OPS 11.13 ^{3, 4, 11, 35}	OPS: 16, RAC: 8 ¹⁴	HPQ A5149A ¹⁰
320	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0: ACE ¹ , Sept 2001 ^{1, 15, 24}	HPQ MC/Service Guard OPS 11.14 ^{3, 4, 35}	OPS: 16	HPQ A5149A ¹⁰
321	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11.0: ACE ¹ , Sept 2001 ^{1, 15, 24}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4, 11} , 11.12 ^{3, 11} ; HPQ MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ A5149A ¹⁰
322	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard OPS 11.09 ^{3, 4, 11, 32}	OPS: 8	HPQ: A4800A ⁶ , A5158A ¹⁸
323	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11, 34} , 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ: A4800A ⁶ , A5158A ¹⁸
324	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 15, 24}	HPQ MC/Service Guard OPS 11.09 ^{3, 4, 11, 32}	OPS: 8	HPQ: A5150A ¹⁰ , A5159A ⁶
325	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 15, 24}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11, 34} , 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ: A5150A ¹⁰ , A5159A ⁶
326	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard 11.15 ^{3, 41, 50}	HA: 16	HPQ: A5149A ¹⁰ , A5150A ¹⁰
327	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41}	HA: 16	HPQ: A5150A ¹⁰ , A5159A ⁶
328	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard OPS 11.09 ^{3, 4, 11, 32}	OPS: 8	HPQ A6795A ^{18, 39}
329	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11, 34} , 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ A6795A ^{18, 39}
330	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	Veritas Cluster Server (VCS) 3.5 ^{22, 46}	HA: 8	HPQ A6795A ^{18, 39}
331	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX: 11.0 Sept 2001 ^{1, 2, 24} , 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard 11.09 ^{3, 4}	HA: 16	HPQ: A5150A ¹⁰ , A5159A ⁶
332	HP 9000: rp7400, rp7400 ^{17, 21}	HPQ HP-UX: 11.0 Sept 2001 ^{1, 24} , 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard 11.09 ^{3, 4, 11}	HA: 16	HPQ A5149A ¹⁰
333	HP 9000: rp7400, rp7400 ^{17, 21} , rp7400 ^{43, 49}	HPQ HP-UX 11.0 990P ^{1, 2}	HPQ MC/Service Guard 11.07 ³	HA: 16	HPQ A3740A
334	HP 9000: rp7400, rp7400 ^{17, 21} , rp7400 ^{43, 49}	HPQ HP-UX 11.0: 990P ^{1, 2} , ACE ^{1, 2} , Sept 2001 ^{1, 2}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4, 11} , 11.12 ^{3, 11} ; HPQ MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ A5158A
335	HP 9000: rp7400, rp7400 ^{17, 21} , rp7400 ^{43, 49}	HPQ HP-UX 11.0: 990P ^{1, 2} , ACE ^{1, 2} , Sept 2001 ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11} , 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ A5158A
336	HP 9000: rp7400, rp7400 ^{17, 21} , rp7400 ^{43, 49}	HPQ HP-UX 11.0: 990P ^{1, 2} , Sept 2001 ^{1, 2}	HPQ MC/Service Guard: 11.07 ³ , 11.09 ^{3, 4} , 11.12 ³ , 11.13 ^{3, 4} , 11.14 ^{3, 4}	HA: 16	HPQ A5158A
337	HP 9000: rp7400, rp7400 ^{17, 21} , rp8400, rp8400 ²⁷	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard OPS 11.14 ^{3, 4, 11, 40}	OPS: 16	HPQ A5149A ¹⁰
338	HP 9000: rp7400, rp7400 ^{17, 21} , rp8400, rp8400 ²⁷	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard: 11.13 ^{3, 4, 11, 25} , 11.14 ^{3, 4, 11, 41}	HA: 16, RAC: 8 ¹⁴	HPQ A5149A ¹⁰
339	HP 9000: rp7400, rp7400 ^{17, 21} , rp8400 ²⁷	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard OPS 11.09 ^{3, 4, 11, 32}	OPS: 8	HPQ A5149A ¹⁰
340	HP 9000: rp7400, rp7400 ^{17, 21} , rp8400 ²⁷	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard OPS 11.13 ^{3, 4, 11, 34}	OPS: 16, RAC: 8 ¹⁴	HPQ A5149A ¹⁰
341	HP 9000: rp7400, rp8400 ^{29, 30}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard 11.15 ^{3, 41, 50}	HA: 16	HPQ A4800A ⁶
342	HP 9000: rp7405, rp7410	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	HPQ MC/Service Guard 11.15 ^{3, 41, 50}	HA: 16	HPQ: A4800A ⁶ , A5149A ¹⁰ , A5150A ¹⁰ , A5158A ¹⁸ , A5838A ¹⁰ , A6795A ^{18, 39}
343	HP 9000: rp7405, rp7410	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	HPQ MC/Service Guard OPS 11.13 ^{3, 4, 11, 34}	OPS: 16, RAC: 8 ¹⁴	HPQ: A4800A ⁶ , A5149A ¹⁰ , A5150A ¹⁰ , A5159A ⁶ , A5838A ¹⁰

HPQ - HPQ HP-UX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
344	HP 9000: rp7405, rp7410	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	HPQ MC/Service Guard OPS 11.14 ^{3, 4, 11, 40}	OPS: 16	HPQ A5149A ¹⁰
345	HP 9000: rp7405, rp7410	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	HPQ MC/Service Guard OPS 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ: A4800A ⁶ , A5150A ¹⁰ , A5159A ⁶ , A5838A ¹⁰
346	HP 9000: rp7405, rp7410	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 11, 25} , 11.14 ^{3, 4, 11, 41}	HA: 16, RAC: 8 ¹⁴	HPQ A5149A ¹⁰
347	HP 9000: rp7405, rp7410	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41}	HA: 16	HPQ: A4800A ⁶ , A5150A ¹⁰ , A5158A ¹⁸ , A5159A ⁶ , A5838A ¹⁰ , A6795A ^{18, 39}
348	HP 9000: rp7405, rp7410	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	Veritas Cluster Server (VCS) 1.3.1.P3 ^{22, 38}	HA: 16	HPQ: A4800A ⁶ , A5149A ¹⁰ , A5150A ¹⁰ , A5159A ⁶ , A5838A ¹⁰
349	HP 9000: rp7405, rp7410	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ¹	Veritas Cluster Server (VCS) 3.5 ^{22, 46}	HA: 8	HPQ: A5158A ¹⁸ , A6795A ^{18, 39}
350	HP 9000: rp8400, rp8400 ²⁷	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard: 11.09 ^{3, 4, 11, 28} , 11.15 ^{3, 41, 50}	HA: 16	HPQ A5149A ¹⁰
351	HP 9000: rp8400, rp8400 ^{27, 29}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard 11.09 ^{3, 4}	HA: 16	HPQ: A5158A ¹⁸ , A6795A ^{18, 39}
352	HP 9000: rp8400, rp8400 ^{27, 29}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	Veritas Cluster Server (VCS) 3.5 ^{22, 46}	HA: 8	HPQ: A5158A ¹⁸ , A6795A ^{18, 39}
353	HP 9000: rp8400, rp8400 ^{27, 29}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard OPS 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ A5159A ⁶
354	HP 9000: rp8400, rp8400 ^{27, 29}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{1, 24}	HPQ MC/Service Guard: 11.09 ^{3, 4, 11, 13} , 4, 25, 11.14 ^{3, 4, 41}	HA: 16	HPQ A5159A ⁶
355	HP 9000: rp8400, rp8400 ^{29, 30}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ¹	HPQ MC/Service Guard OPS 11.09 ^{3, 4, 11, 32}	OPS: 8	HPQ: A4800A ⁶ , A5158A ¹⁸ , A6795A ^{18, 39}
356	HP 9000: SUPERDOME, rp2470, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ¹⁵ , rp7400, rp7410, rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 34} , 11.14 ^{3, 4, 40}	HA: 16, OPS: 8 ¹⁴	HPQ: A6826A, A9782A
357	HP 9000: SUPERDOME, rp5430 (L1500), rp5470 (L3000) ¹⁵ , rp7410, rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard 11.15 ^{3, 41, 50}	HA: 16	HPQ A6826A
358	HP 9000: SUPERDOME, rp5430 (L1500), rp5470 (L3000) ¹⁵ , rp7410, rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41}	HA: 16	HPQ: A6826A, A9782A
359	HP 9000: V2200, V2250, V2500	HPQ HP-UX: 11.0 ACE ^{1, 2, 11, 0} , 2	HPQ MC/Service Guard OPS 11.09 ^{3, 4, 11, 32}	OPS: 8	HPQ A4800A ⁶
360	HP 9000: V2200, V2250, V2500	HPQ HP-UX: 11.0 ACE ^{1, 2, 11, 0} , 2	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11, 34} , 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ A4800A ⁶
361	HP 9000: V2200, V2250, V2500	HPQ HP-UX: 11.0 ACE ^{1, 2, 11, 0} , 2	HPQ MC/Service Guard: 11.09 ^{3, 4, 11, 12} , 11.13 ^{3, 4, 11, 14} , 4	HA: 16	HPQ A4800A ⁶
362	HP 9000: V2200, V2250, V2500, rp5405, rp5470 (L3000) ^{15, 16}	HPQ HP-UX: 11.0 ACE ^{1, 2, 11, 0} , 2	HPQ MC/Service Guard 11.07 ³ , Legato LAAM (Legato Cluster) 4.7 ¹³	HA: 16	HPQ A4800A ⁶
363	HP 9000: V2200, V2250, V2500, rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41} , 11.15 ^{3, 41, 50}	HA: 16	HPQ A5158A ¹⁸
364	HP 9000: V2200, V2250, V2500, V2600	HPQ HP-UX 11.0 ACE ^{1, 2}	Legato LAAM (Legato Cluster) 4.7 ¹³	HA: 16	HPQ A5158A
365	HP 9000: V2200, V2250, V2500, V2600	HPQ HP-UX 11.0: 990P ^{1, 2} , ACE ^{1, 2}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4, 11} , 11.12 ^{3, 11} ; HPQ MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ A5158A
366	HP 9000: V2200, V2250, V2500, V2600	HPQ HP-UX 11.0: 990P ^{1, 2} , ACE ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11} , 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ A5158A
367	HP 9000: V2200, V2250, V2500, V2600	HPQ HP-UX: 11.0 ACE ^{1, 2, 11, 0} , 2	Veritas Cluster Server (VCS) 1.3.1.P3 ^{22, 23}	HA: 16	HPQ A4800A ⁶
368	HP 9000: V2200, V2250, V2500, V2600, rp7400 ^{17, 43}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ A5158A ¹⁸
369	HP 9000: V2200, V2250, V2500, V2600 ³¹	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	Legato: Automated Availability Manager (LAAM) 5.0 (Base) ^{13, 42} , LAAM (Legato Cluster) 4.8 ¹³	HA: 16	HPQ A5158A ¹⁸
370	HP 9000: V2200, V2250, V2500, V2600 ⁹	HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.09 ^{3, 4, 11} , 11.12 ^{3, 11} ; HPQ MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ A3740A
371	HP 9000: V2200, V2250, V2500, V2600 ⁹	HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11} , 11.14 ^{3, 4, 11}	OPS: 16, RAC: 8 ¹⁴	HPQ A3740A
372	HP 9000: V2200, V2250, V2500, V2600 ⁹	HPQ HP-UX 11.0 ^{1, 2}	Veritas Cluster Server (VCS) 1.3.1.P3 ^{22, 23}	HA: 16	HPQ A3740A
373	HP 9000: V2200, V2250, V2500, V2600 ⁹	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard OPS 11.09 ^{3, 4, 11, 32}	OPS: 8	HPQ A5158A ¹⁸
374	HP 9000: V2200, V2250, V2500, V2600 ⁹	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard OPS: 11.13 ^{3, 4, 11, 34} , 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ A5158A ¹⁸
375	HP 9000: V2200, V2250, V2500, V2600 ⁹	HPQ HP-UX: 11.0 ACE ^{1, 2, 11, 0} , 2	HPQ: MC/Service Guard OPS 11.12 ^{3, 11, 32} , MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ A4800A ⁶
376	HP 9000: V2200, V2250, V2500, V2600 ⁹ , rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	Legato LAAM (Legato Cluster) 4.7 ¹³	HA: 16	HPQ A5158A ¹⁸
377	HP 9000: V2200, V2250, V2500, V2600 ⁹ , rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	Veritas Cluster Server (VCS) 3.5 ^{22, 46}	HA: 8	HPQ A5158A ¹⁸
378	HP 9000: V2200 ⁷ , V2250 ⁷ , V2500 ⁷	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ MC/Service Guard: 11.13 ^{3, 4, 25} , 11.14 ^{3, 4, 41} , 11.15 ^{3, 41, 50} ; Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16	HPQ A4800A ⁶
379	HP 9000: V2200 ⁷ , V2250 ⁷ , V2500 ⁷ , rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	Legato LAAM (Legato Cluster) 4.7 ¹³	HA: 16	HPQ A4800A ⁶

HPQ – HPQ HP–UX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
380	HP 9000: V2200 ⁷ , V2250 ⁷ , V2500 ⁷ , rp5430 (L1500), rp5470 (L3000) ^{15, 16, 17}	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ¹	HPQ MC/Service Guard OPS 11.09 ^{3, 4} , 11, 32	OPS: 8	HPQ A4800A ⁶
381	HP 9000: V2200 ⁷ , V2250 ⁷ , V2500 ⁷ , rp5430 (L1500), rp5470 (L3000) ^{15, 16, 17}	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ¹	HPQ MC/Service Guard OPS: 11.13 ^{3, 4} , 11, 34, 11.14 ^{3, 4, 11, 40}	OPS: 16, RAC: 8 ¹⁴	HPQ A4800A ⁶
382	HP 9000: V2200 ⁷ , V2250 ⁷ , V2500 ⁷ , V2600 ⁹ , rp5450 (L2000)	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ¹	HPQ MC/Service Guard 11.09 ^{3, 4, 8}	HA: 16	HPQ A4800A ⁶
383	HP 9000: V2500, rp5400 (L1000), rp5405, rp5450 (L2000), rp5470 (L3000) ¹⁵	HPQ HP–UX: 11.0 ACE ¹ , 11.0 ¹	HPQ MC/Service Guard 11.07 ³	HA: 16	HPQ A5149A ¹⁰
384	HP 9000: V2500, V2600	HPQ HP–UX: 11.0 ACE ¹ , 11.0 ¹	Veritas Cluster Server (VCS) 1.3.1.P3 ^{22, 23}	HA: 16	HPQ A5149A ¹⁰
385	HP 9000: V2500, V2600, rp5470 (L3000) ^{15, 16}	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1, 5}	Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16	HPQ A5149A ¹⁰
386	HP 9000: V2500, V2600 ⁹	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{1, 5}	HPQ MC/Service Guard 11.15 ^{3, 41, 50}	HA: 16	HPQ A5149A ¹⁰
387	HP 9000: V2500, V2600 ⁹ , rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5450 (L2000)	HPQ HP–UX: 11.0 ACE ¹ , 11.0 ¹	HPQ MC/Service Guard OPS 11.13 ^{3, 4} , 11, 35	OPS: 16, RAC: 8 ¹⁴	HPQ A5149A ¹⁰
388	HP 9000: V2500, V2600 ⁹ , rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5450 (L2000)	HPQ HP–UX: 11.0 ACE ¹ , 11.0 ¹	HPQ MC/Service Guard OPS 11.14 ^{3, 4} , 35	OPS: 16	HPQ A5149A ¹⁰
389	HP 9000: V2500, V2600 ⁹ , rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5450 (L2000)	HPQ HP–UX: 11.0 ACE ¹ , 11.0 ¹	HPQ MC/Service Guard OPS: 11.09 ^{3, 4} , 11, 11.12 ^{3, 11}	OPS: 8	HPQ A5149A ¹⁰
390	HP 9000: V2500, V2600 ⁹ , rp5400 (L1000), rp5405, rp5450 (L2000)	HPQ HP–UX: 11.0 ACE ¹ , 11.0 ¹ , 11i v1.0 (HP–UX 11.11) ^{1, 5}	Legato LAAM (Legato Cluster) 4.7 ¹³	HA: 16	HPQ A5149A ¹⁰
391	HP 9000: V2500, V2600 ⁹ , rp5400 (L1000), rp5450 (L2000)	HPQ HP–UX: 11.0 ACE ¹ , 11.0 ¹	HPQ MS/Service Guard OPS 11.08 ³	OPS: 8	HPQ A5149A ¹⁰
392	HP 9000: V2600, rp5405 ¹⁷ , rp5470 (L3000) ^{15, 16, 17}	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ¹	Veritas Cluster Server (VCS) 1.3.1.P3 ²²	HA: 16	HPQ: A4800A ⁶ , A5158A ¹⁸
393	HP 9000: V2600, rp7400, rp7400 ^{17, 21} , rp7400 ^{43, 49}	HPQ HP–UX 11.0 990P ^{1, 2}	HPQ MC/Service Guard: 11.09 ^{3, 4} , 11.12 ³ , 11.13 ^{3, 4} , 11.14 ^{3, 4}	HA: 16	HPQ A3740A
394	HP 9000: V2600 ⁹ , rp5450 (L2000)	HPQ HP–UX: 11.0 ACE ^{1, 2} , 11.0 ^{1, 2} , 11i v1.0 (HP–UX 11.11) ¹	Legato LAAM (Legato Cluster) 4.7 ¹³	HA: 16	HPQ A4800A ⁶
395	Integrity: RX2600 (Itanium2), RX4610, RX4640, RX5670 (Itanium2), RX7620, Superdome, rx8620	HPQ HP–UX 11i v2.0 (HP–UX 11.23) ⁵¹	HPQ MC/Service Guard 11.15 ^{3, 50}	HA: 16	HPQ A6795A ³⁹

- For HP–UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange –r N /dev/vg01/lvol1 or lvcreate –r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror–UX, then this flag should not be set.
- On HP–UX 11.00 LVM support only – no VxVM
- Refer to MC/Service Guard Release Notes at www.docs.hp.com for patch requirements.
- Can mix HP–UX 11.00 and HP–UX 11i in same cluster, all nodes must be MC/SG 11.09, 11.13 or later.
- Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5267.22.15 or higher, 5567.29.15 or higher.
- A4800A and A5159A HBAs are both capable of Ultra 1 speeds, but ship from HP with a default setting of FWD. Symmetrix is supported at Ultra 1 speeds with both these HBAs. Ultra 1 can be enabled in the V–Class, N–Class, and L–Class, A–Class and Superdome PDC firmware. V–Class supports the A4800A Only.

- HP e3000 MPE SYSTEMS – The above note applies but only includes the A–Class and N–Class Servers. The HP e3000 A–Class does not support the dual port HBA A5159A.
- PDC firmware: V2200, 2250: Arbitrated loop and fabric, use TSSW 5.3 or higher. V2500, 2600: Arbitrated loop, use TSSW 3.1 or higher. Fabric, use TSSW 3.2 or higher.
 - Volume Managers Supported: LVM
 - Minimum OS version is HP–UX 11.0 990P.
 - Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3–U2SD4L).
 - Number of nodes supported is dependent upon LVM, SLVM, VxVM, and CVM. Refer to EMC Host Connectivity Guide for HP–UX.
 - HP–UX 11i supported with MC/Service Guard 11.09 only.
 - LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.
 - HP–UX 11.0 and 11i: 64–bit only. Oracle RAC9i (9.0.1, 9.2). PowerPath 2.1.x and 3.0 Support. A SAN implementation with ISLs will observe significant delay in failover times if link failures non–contiguous to host HBA occur.
 - PA–8700 processors: Initial support with HP–UX 11.0 Sept 2001, HP–UX 11i Sept 2001.
 - Virtual Partitions (VPAR) is supported on the L–class/rp5470 server. VPAR supported only with HP–UX 11i v1.0 (HP–UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 41.02 or later.
 - rp5405, rp5430, rp5470, rp7400: (PA–8700 processors): Initial support with HP–UX 11.0 Sept 2001, 11i Sept 2001. Symmetrix microcode supported: 5266.40.28 or higher. 5566.41.28 or higher. 5267.27.19 or higher. 5567.34.19 or higher.
 - For driver versions refer to Base Connectivity Section
 - Virtual Partitions (VPAR) is supported on the SuperDome server with 4.x and 5.x Symmetrix models and DMX series. VPAR supported only with HP–UX 11i v1.0 (HP–UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.02.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 36.1 or later.
 - For driver versions, see Hewlett–Packard Base Connectivity table
 - Virtual Partitions (VPAR) is supported on the N–class/rp7400 server with 4.x and 5.x Symmetrix models. VPAR supported only with HP–UX 11i v1.0 (HP–UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 42.06 or later.
 - GAB disks (membership and service group heartbeat disks) are not supported.
 - VCS supported with LVM only
 - Symmetrix microcode supported: 5266.40.28 or higher, 5566.41.28 or higher, 5267.27.19 or higher, 5567.34.19 or higher.
 - Volume Managers Supported: LVM, VxVM 3.2
 - HP A5158A FC–SW is enabled in the March 2000 HWCR bundle XSWHWCR1100.48. Additional patches may be required for support.
 - VPAR supported only with HP–UX 11i v1.0 (HP–UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later. Please refer to the MC/Service Guard Release Notice for patch requirements.
 - rp8400 requires minimum PDC firmware 13.10 or higher.
 - Virtual Partitions (VPAR) is supported on the rp8400 server with 4.x and 5.x Symmetrix models and DMX Series. VPAR supported only with HP–UX 11i v1.0 (HP–UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, system firmware 4.0 or later, PDC firmware 16.009 or later.
 - Minimum OS revision is HP–UX 11.0 990P.
 - Volume Managers Supported: LVM, SLVM
 - T600 only
 - Volume Managers Supported: LVM, SLVM, VxVM 3.2
 - MC/Service Guard 11.13 and 11.14 LVM only.
 - D, R Class only
 - Initial support for fabric is enabled with: fabric device driver version B.11.00.03; minimum operating system level HP/UX 11.0 990P with March 2000 HW–CR bundle and dependency patch PHKL_21381; Symmetrix microcode versions 5265.49.31, 5266.20, 5566.22. Please refer to the Base Connectivity section for the latest driver and OS support.
 - VCS supported with LVM or VxVM and PowerPath. Refer to Table HP single section for supported versions.
 - As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add–on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)
L2000 (product number A5191A)
N4000 Revision A (product number A3639A)
N4000 Revision B (product number A3639B)

40. Volume Managers Supported: LVM, SLVM, VxVM 3.2, VxVM 3.5
41. Volume Managers Supported: LVM, VxVM 3.2, VxVM 3.5
42. LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12
43. Virtual Partitions (VPAR) is supported on the N-class/rp7400 server with 4.x and 5.x Symmetrix models and DMX series. VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 42.06 or later.
44. Virtual Partitions (VPAR) is supported on the N-class/rp7400 server with 4.x and 5.x Symmetrix models. VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 42.06 or later. Powerpath support on Virtual Partitions has to be RPQ'ed at this time.
45. LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24, 5568.58.12 or 5x69
46. Review the single attach table for supported PowerPath versions and volume manager restrictions.
47. Symmetrix 8000 Series & 66/67 support: HP-UX 11.0, 11.0 ACE, 11.i. MPE/iX 6.0, 6.5, 6.5.02, 7.0, 7.0.01: Symmetrix 8000 Series 5568 support: HP-UX 11.0, 11i. MPE/iX 6.0, 6.5, 6.5.02, 7.0, 7.0.01
48. These qualified HBAs for EMC Symmetrix storage in the HP9000 server model and the HP-UX revision installed may co-exist in that same server or the same hard partition. Other supported HBAs not used to attach to the Symmetrix may also co-exist on the same server unless specified by EMC and/or HP.
49. rp5405, rp5430, rp5470, rp7400: (PA-8700 processors): Initial support with HP-UX 11.0 Sept 2001, 11i Sept 2001.
50. **MC/ServiceGuard 11.15 is supported on HP-UX 11i v1.0 and HP-UX 11i v2.0 only**
51. **Minimum microcode revision level 5670.23.25. 5568 and 5669 are on a RPQ basis at this time.**

HPQ MPE/iX HPQ

HPQ – HPQ MPE/iX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	e3000 900 Series	HPQ MPE/iX 7.5 ^{4,5}	HPQ Cluster/iX ¹	HA: 2, OPS: 2, RAC: 2	HPQ 28696A
2	e3000 900 Series	HPQ MPE/iX: 6.5.02, 7.0.01, 7.5 ^{4,5}	HPQ Cluster/iX ¹	HA: 2	HPQ 28696A
3	e3000 A-Class	HPQ MPE/iX 7.0.01	HPQ Cluster/iX ¹	HA: 2	HPQ A4800A ²
4	e3000 N-Class (N4000)	HPQ MPE/iX 7.0.01	HPQ Cluster/iX ¹	HA: 2	HPQ: A4800A ² , A5149A ³ , A5150A ³ , A5159A ²

1. Cluster/iX has the following limitations: Requires operator intervention (it is not fully automated); Does not support the boot volume, only user volumes; Does not support data sharing; Is not supported on mirrored disks (using MPE Mirror/iX).
2. A4800A and A5159A HBAs are both capable of Ultra 1 speeds, but ship from HP with a default setting of FWD. Symmetrix is supported at Ultra 1 speeds with both these HBAs. Ultra 1 can be enabled in the V-Class, N-Class, and L-Class, A-Class and Superdome PDC firmware. V-Class supports the A4800A Only.

- HP e3000 MPE SYSTEMS – The above note applies but only includes the A-Class and N-Class Servers. The HP e3000 A-Class does not support the dual port HBA A5159A.
3. Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3-U2SD4L).
4. Requires Symmetrix microcode:
 - 5266.40.28 or higher
 - 5566.40.27 or higher
 - 5267.25.17 or higher
 - 5567.32.16 or higher
 - 5568.34.14 or higher
5. LDEV1, the boot volume, has no size limit in MPE/iX 7.5. The 4GB limit that existed in previous releases has been eliminated.

HPQ Open VMS HPQ

HPQ – HPQ Open VMS					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	AlphaServer DS25 ¹²	HPQ Open VMS V7.3-1	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), FCA2384 (LP9802) ¹³ , KGPSA-CA (168794-B21), KGPSA-DA (261329-B21), KGPSA-EA ¹³
2	AlphaServer ES40	HPQ Open VMS: V7.2-2 ⁵ , V7.3-1, V7.3 ⁶	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: FCA2384 (LP9802) ¹³ , KGPSA-DA (261329-B21), KGPSA-EA
3	AlphaServer ES45	HPQ Open VMS: V7.3-1, V7.3 ⁶	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: 4A-KZPBA-CY, FCA2354 (LP9002), FCA2384 (LP9802) ¹³ , KGPSA-CA (168794-B21), KGPSA-DA (261329-B21), KGPSA-EA ¹³ , KZPBA-CB, KZPBA-CY
4	AlphaServer GS1280	HPQ Open VMS V7.3-1	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), FCA2384 (LP9802) ¹³ , KGPSA-DA (261329-B21), KGPSA-EA ¹³
5	AlphaServer GS80	HPQ Open VMS: V7.2-2 ⁵ , V7.3-1, V7.3 ⁶	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), FCA2384 (LP9802) ¹³ , KGPSA-DA (261329-B21), KGPSA-EA ¹³
6	AlphaServer: 1200, 4000, 4100, 8200, 8400, GS140, GS60	HPQ Open VMS: V7.1-2 ³ , V7.2-1H1 ² , V7.2-1 ² , V7.2-2 ⁵ , V7.3-1, V7.3 ⁶	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: 4A-KZPBA-CY, KZPBA-CB, KZPBA-CY, KZPSA-BB ⁴
7	AlphaServer: 1200, 4000, 4100, GS140, GS60	HPQ Open VMS V7.2-1H1 ²	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ KGPSA-BC (380574-001) ^{9, 10, 11}
8	AlphaServer: 1200, 4000, 4100, GS140, GS60	HPQ Open VMS: V7.2-1 ² , V7.2-2 ⁵ , V7.3-1, V7.3 ⁶	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ KGPSA-BC (380574-001)
9	AlphaServer: 1200, 4000, 4100, GS140, GS60	HPQ Open VMS: V7.2-1H1 ² , V7.2-1 ² , V7.2-2 ⁵ , V7.3-1, V7.3 ⁶	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ KGPSA-CA (168794-B21)
10	AlphaServer: 8200, 8400, DS10, DS10L, DS20, DS20E, ES40	HPQ Open VMS: V7.2-1H1 ² , V7.2-1 ² , V7.2-2 ⁵ , V7.3-1, V7.3 ⁶	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)
11	AlphaServer: 8200, 8400, GS140, GS60	HPQ Open VMS: V7.2-2 ⁵ , V7.3-1, V7.3 ⁶	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), KGPSA-DA (261329-B21)
12	AlphaServer: DS10, DS10L, DS20, DS20E	HPQ Open VMS: V7.2-2 ⁵ , V7.3-1, V7.3 ⁶	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ KGPSA-DA (261329-B21)
13	AlphaServer: DS10, DS20, ES40	HPQ Open VMS: V7.1-2 ³ , V7.2-1H1 ² , V7.2-1 ² , V7.2-2 ⁵ , V7.3-1, V7.3 ⁶	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: 4A-KZPBA-CY, KZPBA-CB, KZPBA-CY
14	AlphaServer: DS10L, DS20E	HPQ Open VMS: V7.1-2 ³ , V7.2-1H1 ² , V7.2-1 ² , V7.2-2 ⁵ , V7.3-1, V7.3 ⁶	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: KZPBA-CB, KZPBA-CY
15	AlphaServer: ES47, ES80	HPQ Open VMS V7.3-1	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002) ^{7, 8} , FCA2384 (LP9802) ¹³ , KGPSA-DA (261329-B21), KGPSA-EA ¹³

HPQ – HPQ Open VMS					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
16	AlphaServer: GS160, GS320	HPQ Open VMS: V7.2–2 ⁵ , V7.3–1, V7.3 ⁶	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), FCA2384 (LP9802) ¹³ , KGPSA–DA (261329–B21), KGPSA–EA
17	AlphaServer: GS160, GS320, GS80	HPQ Open VMS: V7.2–1H1 ² , V7.2–2 ⁵ , V7.3–1, V7.3 ⁶	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: 4A–KZPBA–CY, KGPSA–CA (168794–B21), KZPBA–CB, KZPBA–CY

- No specific clustering s/w required.
- OpenVMS 7.2–1, 7.2–1H1 FC–SW requires console firmware 5.6 or later and patch VMS721_fibre_SCSI–V0400. Available from <http://ftp1.support.compaq.com/public/>
- Open VMS 7.1–2 requires console firmware 5.6 or later and patch VMS712_SCSI–V0300.
- KZPSA–BB [FWD] has been discontinued by HPQ (Compaq).
- Open VMS 7.2–2 FC–SW requires console firmware 5.6 or later and patch VMS722_fibre_SCSI–V0100.
- Open VMS 7.3 FC–SW requires console firmware 5.6 or later and patch VMS73_update–V0100 or patch VMS73_fibre_SCSI–V0200.
- KGPSA–CA/KGPSA–DA(FCA2354): Latest firmware revision 3.82A1
- KGPSA–CA/KGPSA–DA(FCA2354): Minimum firmware revision 3.81A4
- KGPSA–BC: Minimum firmware revision 3.03A1.
- KGPSA–BC: Latest firmware revision 3.20X7.
- The KGPSA–BC login to switch may fail if the Brocade switch port speed is set to auto–negotiate. Set the port speed to 1 Gb.
- Latest qualified Alpha Systems firmware is V6.5.
- FCA2384(KGPSA–EA): Latest firmware revision 1.00X6

HPQ OpenVMS V7.3–2 HPQ

HPQ – HPQ OpenVMS V7.3–2					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	AlphaServer DS25 ³	HPQ OpenVMS V7.3–2	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), FCA2384 (LP9802) ² , KGPSA–CA (168794–B21), KGPSA–DA (261329–B21), KGPSA–EA ²
2	AlphaServer ES40	HPQ OpenVMS V7.3–2	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: 4A–KZPBA–CY, FCA2384 (LP9802) ² , KGPSA–CA (168794–B21), KGPSA–DA (261329–B21), KGPSA–EA, KZPBA–CB, KZPBA–CY
3	AlphaServer GS1280	HPQ OpenVMS V7.3–2	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), FCA2384 (LP9802) ² , KGPSA–DA (261329–B21), KGPSA–EA ²
4	AlphaServer: 1200, 4000, 4100	HPQ OpenVMS V7.3–2	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: 4A–KZPBA–CY, KGPSA–CA (168794–B21), KZPBA–CB, KZPBA–CY, KZPSA–BB ⁴
5	AlphaServer: 8200, 8400, GS140, GS60	HPQ OpenVMS V7.3–2	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: 4A–KZPBA–CY, FCA2354 (LP9002), KGPSA–CA (168794–B21), KGPSA–DA (261329–B21), KZPBA–CB, KZPBA–CY, KZPSA–BB ⁴
6	AlphaServer: DS10, DS20	HPQ OpenVMS V7.3–2	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: 4A–KZPBA–CY, KGPSA–CA (168794–B21), KGPSA–DA (261329–B21), KZPBA–CB, KZPBA–CY
7	AlphaServer: DS10L, DS20E	HPQ OpenVMS V7.3–2	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: KGPSA–CA (168794–B21), KGPSA–DA (261329–B21), KZPBA–CB, KZPBA–CY
8	AlphaServer: ES45, GS80	HPQ OpenVMS V7.3–2	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: 4A–KZPBA–CY, FCA2354 (LP9002), FCA2384 (LP9802) ² , KGPSA–CA (168794–B21), KGPSA–DA (261329–B21), KGPSA–EA ² , KZPBA–CB, KZPBA–CY
9	AlphaServer: ES47, ES80	HPQ OpenVMS V7.3–2	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002) ^{5, 6} , FCA2384 (LP9802) ² , KGPSA–DA (261329–B21), KGPSA–EA ²
10	AlphaServer: GS160, GS320	HPQ OpenVMS V7.3–2	HPQ VMS Cluster License only ¹	HA: 16, OPS: 4	HPQ: 4A–KZPBA–CY, FCA2354 (LP9002), FCA2384 (LP9802) ² , KGPSA–CA (168794–B21), KGPSA–DA (261329–B21), KGPSA–EA, KZPBA–CB, KZPBA–CY

- No specific clustering s/w required.
- FCA2384(KGPSA–EA): Latest firmware revision 1.00X6
- Latest qualified Alpha Systems firmware is V6.5.
- KZPSA–BB [FWD] has been discontinued by HPQ (Compaq).
- KGPSA–CA/KGPSA–DA(FCA2354): Latest firmware revision 3.82A1
- KGPSA–CA/KGPSA–DA(FCA2354): Minimum firmware revision 3.81A4

HPQ Tru64 UNIX HPQ

HPQ – HPQ Tru64 UNIX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	AlphaServer DS20L	HPQ Tru64 UNIX V5.1A ^{6, 8}	HPQ TruCluster V5.1A ⁵	HA: 8, OPS: 8, RAC: 8	HPQ KGPSA–CA (168794–B21)
2	AlphaServer DS20L	HPQ Tru64 UNIX V5.1B–1 ⁶	HPQ TruCluster V5.1B–1 ⁵	HA: 8, OPS: 8, RAC: 8	HPQ KGPSA–CA (168794–B21)
3	AlphaServer DS20L	HPQ Tru64 UNIX V5.1B ^{6, 11}	HPQ TruCluster V5.1B ⁵	HA: 8, OPS: 8, RAC: 8	HPQ KGPSA–CA (168794–B21)
4	AlphaServer: 1200, 4000, 4100, 8200, 8400, DS10, DS10L, DS20, DS20E, DS20L, ES40, ES45, GS140, GS160, GS320, GS360, GS80	HPQ Tru64 UNIX V5.1B ¹¹	HPQ TruCluster V5.1B ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: 4A–KZPBA–CY, KZPBA–CB, KZPBA–CY
5	AlphaServer: 1200, 4000, 4100, 8200, 8400, DS10, DS10L, DS20, DS20E, ES40, GS140, GS60	HPQ Tru64 UNIX V5.0A	HPQ TruCluster V5.0A ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: 4A–KZPBA–CY, KZPBA–CB, KZPBA–CY
6	AlphaServer: 1200, 4000, 4100, 8200, 8400, DS10, DS10L, DS20, DS20E, ES40, GS140, GS60	HPQ Tru64 UNIX V5.0A ⁶	HPQ TruCluster V5.0A ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: KGPSA–BC (380574–001), KGPSA–CA (168794–B21)
7	AlphaServer: 1200, 4000, 4100, 8200, 8400, GS140, GS60	HPQ Tru64 UNIX V5.1 ^{6, 7}	HPQ TruCluster V5.1 ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: KGPSA–BC (380574–001), KGPSA–CA (168794–B21)

HPQ – HPQ Tru64 UNIX					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
8	AlphaServer: 1200, 4000, 4100, 8200, 8400, GS140, GS60	HPQ Tru64 UNIX V5.1 ⁷	HPQ TruCluster V5.1 ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: 4A-KZPBA-CY, KZPBA-CB, KZPBA-CY, KZPSA-BB ³
9	AlphaServer: 1200, 4000, 4100, 8200, 8400, GS140, GS60	HPQ Tru64 UNIX V5.1A ^{6, 8}	HPQ TruCluster V5.1A ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)
10	AlphaServer: 1200, 4000, 4100, 8200, 8400, GS140, GS60	HPQ Tru64 UNIX V5.1A ⁸	HPQ TruCluster V5.1A ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: 4A-KZPBA-CY, KZPBA-CB, KZPBA-CY, KZPSA-BB ³
11	AlphaServer: 1200, 4000, 4100, 8200, 8400, GS140, GS60	HPQ Tru64 UNIX V5.1B-1 ⁶	HPQ TruCluster V5.1B-1 ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)
12	AlphaServer: 1200, 4000, 4100, 8200, 8400, GS140, GS60	HPQ Tru64 UNIX V5.1B ^{6, 11}	HPQ TruCluster V5.1B ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)
13	AlphaServer: 1200, 4000, 4100, 8200, 8400, GS140, GS60	HPQ Tru64 UNIX: V4.0F ⁴ , V4.0G ¹	HPQ TruCluster Available Server V1.6 ²	HA: 4	HPQ: 4A-KZPBA-CY, KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KZPBA-CB, KZPBA-CY, KZPSA-BB ³
14	AlphaServer: 1200, 4000, 4100, 8200, 8400, GS140, GS60	HPQ Tru64 UNIX: V4.0F ⁴ , V4.0G ¹	HPQ TruCluster Production Server V1.6 ²	HA: 4, OPS: 8	HPQ: 4A-KZPBA-CY, KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KZPBA-CB, KZPBA-CY, KZPSA-BB ³
15	AlphaServer: DS10, DS10L, DS20, DS20E, DS20L, ES40, ES45, GS160, GS320, GS80	HPQ Tru64 UNIX V5.1A ⁸	HPQ TruCluster V5.1A ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: 4A-KZPBA-CY, KZPBA-CB, KZPBA-CY
16	AlphaServer: DS10, DS10L, DS20, DS20E, ES40	HPQ Tru64 UNIX V5.1 ^{6, 7}	HPQ TruCluster V5.1 ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
17	AlphaServer: DS10, DS10L, DS20, DS20E, ES40	HPQ Tru64 UNIX: V4.0F ⁴ , V4.0G ¹	HPQ TruCluster Available Server V1.6 ²	HA: 4	HPQ: 4A-KZPBA-CY, KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KZPBA-CB, KZPBA-CY
18	AlphaServer: DS10, DS10L, DS20, DS20E, ES40	HPQ Tru64 UNIX: V4.0F ⁴ , V4.0G ¹	HPQ TruCluster Production Server V1.6 ²	HA: 4, OPS: 8	HPQ: 4A-KZPBA-CY, KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KZPBA-CB, KZPBA-CY
19	AlphaServer: DS10, DS10L, DS20, DS20E, ES40, GS160, GS320, GS80	HPQ Tru64 UNIX V5.1 ⁷	HPQ TruCluster V5.1 ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: 4A-KZPBA-CY, KZPBA-CB, KZPBA-CY
20	AlphaServer: DS10, DS20E, ES40	HPQ Tru64 UNIX V5.1A ^{6, 8}	HPQ TruCluster V5.1A ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
21	AlphaServer: DS10, DS20E, ES40	HPQ Tru64 UNIX V5.1B-1 ⁶	HPQ TruCluster V5.1B-1 ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
22	AlphaServer: DS10, DS20E, ES40	HPQ Tru64 UNIX V5.1B ^{6, 11}	HPQ TruCluster V5.1B ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
23	AlphaServer: DS10L, DS20	HPQ Tru64 UNIX V5.1A ^{6, 8}	HPQ TruCluster V5.1A ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
24	AlphaServer: DS10L, DS20	HPQ Tru64 UNIX V5.1B-1 ⁶	HPQ TruCluster V5.1B-1 ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
25	AlphaServer: DS10L, DS20	HPQ Tru64 UNIX V5.1B ^{6, 11}	HPQ TruCluster V5.1B ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
26	AlphaServer: DS25, ES45, GS160, GS320, GS80	HPQ Tru64 UNIX V5.1A ^{6, 8}	HPQ TruCluster V5.1A ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-DA (261329-B21)
27	AlphaServer: DS25, ES45, GS160, GS320, GS80	HPQ Tru64 UNIX V5.1B-1 ⁶	HPQ TruCluster V5.1B-1 ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-DA (261329-B21)
28	AlphaServer: DS25, ES45, GS160, GS320, GS80	HPQ Tru64 UNIX V5.1B ^{6, 11}	HPQ TruCluster V5.1B ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-DA (261329-B21)
29	AlphaServer: ES47, ES80, GS1280	HPQ Tru64 UNIX V5.1B-1 ⁶	HPQ TruCluster V5.1B-1 ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-DA (261329-B21)
30	AlphaServer: ES47, ES80, GS1280	HPQ Tru64 UNIX V5.1B ^{6, 11, 12}	HPQ TruCluster V5.1B ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-DA (261329-B21)
31	AlphaServer: GS160, GS320, GS80	HPQ Tru64 UNIX V4.0G ¹	HPQ TruCluster Available Server V1.6 ²	HA: 4	HPQ: 4A-KZPBA-CY, KGPSA-CA (168794-B21), KZPBA-CB, KZPBA-CY
32	AlphaServer: GS160, GS320, GS80	HPQ Tru64 UNIX V4.0G ¹	HPQ TruCluster Production Server V1.6 ²	HA: 4, OPS: 8	HPQ: 4A-KZPBA-CY, KGPSA-CA (168794-B21), KZPBA-CB, KZPBA-CY
33	AlphaServer: GS160, GS320, GS80	HPQ Tru64 UNIX V5.1 ^{6, 7}	HPQ TruCluster V5.1 ⁵	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
34	AlphaServer: SC20 ¹⁰ , SC40 ¹⁰ , SC45 ¹⁰	HPQ Tru64 UNIX V5.1A ^{6, 8, 9}	HPQ TruCluster V5.1A ^{5, 9}		HPQ KGPSA-CA (168794-B21)

1. Tru64 V4.0G latest qualified Patch Kit 4 (T64V40GB22AS0004-20030731).

2. TruCluster V1.6 SCSI requires shared buses with 'Y' cables or HPQ (Compaq) Ultra SCSI hubs DS-DWZZH-03, DS-DWZZH-05. Straight cables used only as interconnects. Cables: 038-001-537 (6M), 038-001-538 (12M), 038-001-539 (20M). Maximum bus length must not exceed 25 meters. Fibre configs require additional zoning for hba-to-hba cluster ping. Refer to EMC Host Connectivity Guide for Tru64 UNIX, P/N 300-000-616, for more details.

3. KZPSA-BB [FWD] has been discontinued by HPQ (Compaq).

4. Tru64 V4.0F BL13 Patch Kit 2 may introduce problems with KZPBA adapters. Tru64 V4.0F latest qualified Patch Kit 8 (DUV40FB22AS0008-20030730).

5. TruCluster V5.x Persistent Reservation support requires minimum 5567.53.30, Symm "PER" Volume flag, minimum V5.1 Patch Kit-0003 (BL17), and "ubyte[0] = 8" in /etc/ldr.dbase EMC entry. Configurations that cannot support Persistent Reservation must set "ubyte[0] = 25" to enable alternate barrier patch and direct access devices.

6. V5.x: 255 LUNs/Symmetrix Fibre director port (LUNs 000-0FE valid) on Symmetrix 8000 Series, requires OVMS director bit setting (minimum 5265.48.30 or 5566.26.19), LUN 000 must be mapped to gatekeeper device, the LUN 000 array controller device will not be usable by the Tru64 host.

7. Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).

8. Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).

9. AlphaServer SC systems have special Tru64 UNIX operating system and AlphaServer SC System Software requirements.

10. Requires RPQ

11. Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).
 12. AlphaServer GS1280,ES80,ES47: Minimum Tru64 V5.1B with Patch Kit 1 (T64V51BB1AS0001-20021229)

IBM AIX Bull

Bull – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Escala E250	IBM AIX 4.3.3	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull MSCG041-0000	See ³
2	Escala E250	IBM AIX: 4.3.3, 5.1	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull MSCG023-0000	See ³
3	Escala EPC1200	IBM AIX 4.3.3	IBM HACMP 4.4.0	HA: 8, OPS: 4	Bull: MSCG030-0000, MSCG032-0000, MSCG041-0000	See ³
4	Escala EPC1200	IBM AIX 4.3.3	IBM HACMP/ES 4.4.0	HA: 8, OPS: 4	Bull: MSCG030-0000, MSCG032-0000	See ³
5	Escala EPC1200A	IBM AIX 4.3.3	IBM HACMP 4.4.0	HA: 8, OPS: 4	Bull: DCCG141-0000 ^{1,2} , DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2} , MSCG030-0000, MSCG032-0000, MSCG043-0000	
6	Escala EPC1200A	IBM AIX: 4.3.2, 4.3.3	IBM: HACMP 4.3.1, HACMP/ES 4.3.1	HA: 8, OPS: 4	Bull: DCCG141-0000 ^{1,2} , DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2} , MSCG030-0000, MSCG032-0000, MSCG043-0000	
7	Escala EPC1200A	IBM AIX: 4.3.3, 5.1	IBM HACMP/ES 4.4.0	HA: 8, OPS: 4	Bull: DCCG141-0000 ^{1,2} , DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2} , MSCG030-0000, MSCG032-0000, MSCG043-0000	
8	Escala EPC1200A	IBM AIX: 4.3.3, 5.1 ¹	IBM HACMP 4.4.1	HA: 8, OPS: 4	Bull: MSCG030-0000, MSCG032-0000, MSCG043-0000	
9	Escala EPC1200A	IBM AIX: 4.3.3, 5.1 ¹	IBM HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull MSCG043-0000	
10	Escala EPC1200A	IBM AIX: 4.3.3 ² , 5.1 ^{1,2}	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: DCCG141-0000 ^{1,2} , DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2}	
11	Escala EPC430	IBM AIX: 4.3.1, 4.3.2	IBM HACMP 4.2.2	HA: 8, OPS: 4	Bull: DCCG141-0000 ^{1,2} , DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2}	
12	Escala EPC430	IBM AIX: 4.3.1, 4.3.2, 4.3.3	IBM: HACMP 4.3.1, HACMP/ES 4.3.1	HA: 8, OPS: 4	Bull: DCCG141-0000 ^{1,2} , DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2}	
13	Escala EPC440	IBM AIX 4.3.3	IBM HACMP 4.4.0	HA: 8, OPS: 4	Bull: DCCG141-0000 ^{1,2} , DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2} , MSCG030-0000, MSCG032-0000	
14	Escala EPC440	IBM AIX: 4.3.2, 4.3.3	IBM: HACMP 4.3.1, HACMP/ES 4.3.1	HA: 8, OPS: 4	Bull: DCCG141-0000 ^{1,2} , DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2} , MSCG030-0000, MSCG032-0000	
15	Escala EPC440	IBM AIX: 4.3.3, 5.1	IBM HACMP/ES 4.4.0	HA: 8, OPS: 4	Bull: MSCG030-0000, MSCG032-0000	
16	Escala EPC440	IBM AIX: 4.3.3, 5.1 ¹	IBM HACMP 4.4.1	HA: 8, OPS: 4	Bull: MSCG030-0000, MSCG032-0000	
17	Escala EPC450	IBM AIX 4.3.3	IBM HACMP/ES 4.3.1	HA: 8, OPS: 4	Bull: MSCG023-0000, MSCG041-0000	See ³
18	Escala PL800R	IBM AIX 4.3.3	IBM HACMP/ES: 4.3.1, 4.4.0	HA: 8, OPS: 4	Bull: DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2}	See ^{4,5}
19	Escala PL800R	IBM AIX: 4.3.3 ² , 5.1 ^{1,2}	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: DCCG147-0000 ² , DCCG148-0000 ²	See ^{4,5}
20	Escala RL470	IBM AIX 4.3.3	IBM HACMP 4.4.0	HA: 8, OPS: 4	Bull: MSCG030-0000, MSCG041-0000	See ³
21	Escala RL470	IBM AIX 4.3.3	IBM HACMP/ES 4.4.0	HA: 8, OPS: 4	Bull MSCG030-0000	See ³
22	Escala T610	IBM AIX 4.3.3	IBM HACMP/ES 4.4.0	HA: 8, OPS: 4	Bull: MSCG023-0000, MSCG043-0000, MSCG044-0000	See ³
23	Escala: D Series, EPC800, M Series, RL450, RL470	IBM AIX 4.3.1	IBM HACMP: 4.2.2, 4.3.1	HA: 8, OPS: 4	Bull: MSCG012-0000, MSCG020-0000	See ³
24	Escala: E230, E250, EPC1200, EPC400, EPC430, EPC440, RL470, T430, T450, T610	IBM AIX 4.3.3	IBM HACMP/ES 4.4.0	HA: 8, OPS: 4	Bull: DCCG141-0000 ^{1,2} , DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2}	
25	Escala: E230, E250, EPC1200, EPC400, EPC430, RL470, T430, T450, T610	IBM AIX 4.3.3	IBM HACMP 4.4.0	HA: 8, OPS: 4	Bull: DCCG141-0000 ^{1,2} , DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2}	
26	Escala: E230, E250, EPC1200, EPC400, RL470, T430, T450, T610	IBM AIX: 4.3.0, 4.3.1, 4.3.2	IBM HACMP 4.2.2	HA: 8, OPS: 4	Bull: DCCG141-0000 ^{1,2} , DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2}	
27	Escala: E230, E250, EPC1200, EPC400, RL470, T430, T450, T610	IBM AIX: 4.3.0, 4.3.1, 4.3.2, 4.3.3	IBM: HACMP 4.3.1, HACMP/ES 4.3.1	HA: 8, OPS: 4	Bull: DCCG141-0000 ^{1,2} , DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2}	
28	Escala: E230, EPC1200, EPC400, EPC430, EPC440, RL470, T430	IBM AIX 4.3.3 ²	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: DCCG141-0000 ^{1,2} , DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2}	
29	Escala: E230, EPC1200, EPC430, EPC440, T430	IBM AIX 5.1	IBM HACMP/ES 4.4.0	HA: 8, OPS: 4	Bull: DCCG141-0000 ^{1,2} , DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2}	See ^{4,5}
30	Escala: E230, EPC1200, EPC430, EPC440, T430	IBM AIX 5.1 ^{1,2}	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: DCCG141-0000 ^{1,2} , DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2}	See ^{4,5}
31	Escala: E230, EPC430, T430	IBM AIX 4.3.3	IBM HACMP 4.4.0	HA: 8, OPS: 4	Bull: MSCG023-0000, MSCG041-0000	See ³
32	Escala: E230, EPC430, T430	IBM AIX: 4.3.1, 4.3.2	IBM HACMP 4.2.2	HA: 8, OPS: 4	Bull: MSCG023-0000, MSCG041-0000	See ³
33	Escala: E230, EPC430, T430	IBM AIX: 4.3.1, 4.3.2, 4.3.3	IBM: HACMP 4.3.1, HACMP/ES 4.3.1	HA: 8, OPS: 4	Bull: MSCG023-0000, MSCG041-0000	See ³
34	Escala: E230, EPC430, T430	IBM AIX: 4.3.3, 5.1	IBM HACMP/ES 4.4.0	HA: 8, OPS: 4	Bull: MSCG023-0000, MSCG041-0000	See ³

Bull – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
35	Escala: E230, EPC430, T430	IBM AIX: 4.3.3, 5.1 ¹	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: MSCG023-0000, MSCG041-0000	See ³
36	Escala: E250, EPC400, S100, S120, T450, T610	IBM AIX 4.3.3	IBM HACMP 4.4.0	HA: 8, OPS: 4	Bull MSCG023-0000	See ³
37	Escala: E250, EPC400, S100, S120, T450, T610	IBM AIX: 4.3.1, 4.3.2	IBM HACMP 4.2.2	HA: 8, OPS: 4	Bull MSCG023-0000	See ³
38	Escala: E250, EPC400, S100, S120, T450, T610	IBM AIX: 4.3.1, 4.3.2, 4.3.3	IBM: HACMP 4.3.1, HACMP/ES 4.3.1	HA: 8, OPS: 4	Bull MSCG023-0000	See ³
39	Escala: E250, T450	IBM AIX 4.3.3	IBM HACMP/ES 4.3.1	HA: 8, OPS: 4	Bull MSCG041-0000	See ³
40	Escala: E250, T450	IBM AIX 4.3.3	IBM HACMP/ES 4.4.0	HA: 8, OPS: 4	Bull: MSCG023-0000, MSCG041-0000	See ³
41	Escala: E250, T450, T610	IBM AIX 4.3.3 ²	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: DCCG141-0000 ^{1, 2} , DCCG147-0000 ² , DCCG148-0000 ²	
42	Escala: EPC1200, EPC450, RL470	IBM AIX: 4.3.3, 5.1	IBM HACMP/ES 4.4.0	HA: 8, OPS: 4	Bull MSCG041-0000	See ³
43	Escala: EPC1200, RL470	IBM AIX 4.3.3	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: MSCG030-0000, MSCG032-0000	See ³
44	Escala: EPC1200, RL470	IBM AIX: 4.3.0, 4.3.1, 4.3.2	IBM HACMP 4.2.2	HA: 8, OPS: 4	Bull: MSCG030-0000, MSCG032-0000, MSCG041-0000	See ³
45	Escala: EPC1200, RL470	IBM AIX: 4.3.0, 4.3.1, 4.3.2, 4.3.3	IBM: HACMP 4.3.1, HACMP/ES 4.3.1	HA: 8, OPS: 4	Bull: MSCG030-0000, MSCG032-0000, MSCG041-0000	See ³
46	Escala: EPC1200, RL470	IBM AIX: 4.3.3, 5.1 ¹	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull MSCG041-0000	See ³
47	Escala: EPC2400, EPC2450, EPC450, EPC610, EPC810, PL220T, PL400T, PL600R, PL600T	IBM AIX 4.3.3	IBM HACMP/ES: 4.3.1, 4.4.0	HA: 8, OPS: 4	Bull: DCCG147-0000 ^{1, 2} , DCCG148-0000 ^{1, 2}	
48	Escala: EPC2400, EPC2450, EPC450, EPC610, EPC810, PL220T, PL400T, PL600R, PL600T	IBM AIX 4.3.3 ²	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: DCCG147-0000 ² , DCCG148-0000 ²	
49	Escala: EPC2400, EPC2450, EPC610, EPC810, PL220T, PL400T, PL600R, PL600T, PL800R, T610	IBM AIX: 4.3.3, 5.1	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: MSCG043-0000, MSCG044-0000	See ³
50	Escala: EPC2400, EPC2450, EPC610, EPC810, PL220T, PL400T, PL600R, PL600T, T610	IBM AIX 5.1 ^{1, 2}	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: DCCG147-0000 ² , DCCG148-0000 ²	See ^{4, 5}
51	Escala: EPC2400, EPC2450, EPC610, EPC810, PL600R, PL600T	IBM AIX 4.3.3	IBM HACMP/ES 4.4.0	HA: 8, OPS: 4	Bull: MSCG043-0000, MSCG044-0000	See ³
52	Escala: EPC2400, EPC2450, EPC610, EPC810, PL600R, PL600T, T610	IBM AIX 4.3.3	IBM HACMP/ES 4.3.1	HA: 8, OPS: 4	Bull: MSCG043-0000, MSCG044-0000	See ³
53	Escala: EPC400, EPC450, S100, S120	IBM AIX 4.3.3	IBM HACMP/ES 4.4.0	HA: 8, OPS: 4	Bull MSCG023-0000	See ³
54	Escala: EPC400, S100, S120, T610	IBM AIX 4.3.3	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull MSCG023-0000	See ³
55	Escala: EPC450, T450	IBM AIX: 4.3.3, 5.1	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: MSCG023-0000, MSCG041-0000	See ³
56	Escala: PL1600 ^{1, 7} , PL3200 ^{1, 7}	IBM AIX 5.1 ^{1, 6}	IBM HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: DCCG147-0000 ^{1, 2} , DCCG148-0000 ^{1, 2}	See ^{4, 5}
57	Escala: PL1600 ⁷ , PL3200 ⁷	IBM AIX 5.1 ⁶	IBM HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: MSCG043-0000, MSCG044-0000	See ³

1. Fibre Channel HBAs: DCCG141-0000: LP7000e copper DCCG147-0000: LP8000 copper DCCG148-0000: LP8000 fibre
2. Fibre Channel device driver distributed and supported by Bull.
3. Multi-port SCSI or Common SCSI Bus.
4. MSKG0008-0000 = Brocade® SilkWorm® 2800.
5. Mixed FC-AL and FC-SW are supported on the same server.
6. AIX 5.1 32/64-bit kernel support.
7. Supported in SMP and LPAR mode.

IBM

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	670 7040-671 as an SP node; 7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 02 XX1 ¹⁷ , 05 XX9 ¹⁷ , 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷ ; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node; p690: 7040-61D as an SP node, 7040-61R as an SP node, 7040-681 as an SP node	IBM AIX 5.2	IBM PSSP 3.5 RVSD 3.5 ³¹ , 45, 47		IBM 6227	See ³⁴

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
2	670 7040-671 as an SP node; 7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 02 XX1 ¹⁷ , 05 XX9 ¹⁷ , 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷	IBM AIX 5.2 ⁵⁴ , 65, 66	IBM PSSP 3.5 RVSD 3.5 ³¹ , 45, 47		IBM 6228	See ³⁴
3	7013-J30	IBM AIX 4.3.2	IBM HACMP 4.2.x	HA: 8, OPS: 4	IBM 2416	
4	7013-J30	IBM AIX 4.3.3	IBM HACMP 4.2.x	HA: 8, OPS: 4	IBM 2416 ¹	
5	7013-J30; 7013-J40; 7015-R40	IBM AIX: 4.3.2, 4.3.3	IBM HACMP 4.3.1	HA: 8, OPS: 4	IBM: 2412 ¹ , 2416 ¹	
6	7013-J30; 7013-J50; 7015-R30	IBM AIX: 4.3.2, 4.3.3	IBM HACMP 4.3	HA: 8, OPS: 4	IBM: 2412 ¹ , 2416 ¹	
7	7013-J30; 7015-R30	IBM AIX: 4.3.2, 4.3.3	IBM HACMP 4.2.x	HA: 8, OPS: 4	IBM 2412 ¹	
8	7013-J40	IBM AIX 4.3.2	IBM HACMP 4.3	HA: 8, OPS: 4	IBM 2416	
9	7013-J40	IBM AIX 4.3.3	IBM HACMP 4.3	HA: 8, OPS: 4	IBM 2416 ¹	
10	7013-J40; 7013-J50; 7015-R50	IBM AIX: 4.3.2, 4.3.3	IBM HACMP 4.2.x	HA: 8, OPS: 4	IBM: 2412 ¹ , 2416 ¹	
11	7013-J40; 7015-R40	IBM AIX: 4.3.2, 4.3.3	IBM HACMP 4.3	HA: 8, OPS: 4	IBM 2412 ¹	
12	7013-J50	IBM AIX 4.3.2	IBM HACMP 4.3.1	HA: 8, OPS: 4	IBM 2416	
13	7013-J50	IBM AIX 4.3.3	IBM HACMP 4.3.1	HA: 8, OPS: 4	IBM 2416 ¹	
14	7013-J50; 7015-R50	IBM AIX: 4.3.2, 4.3.3	IBM HACMP 4.3.1	HA: 8, OPS: 4	IBM 2412 ¹	
15	7013-S70 as SP2 node	IBM AIX: 4.3.1, 4.3.2, 4.3.3	IBM HACMP/ES: 4.3, 4.3.1, 4.4.0; IBM PSSP: 2.2 RVSD 1.2, 2.4 RVSD 2.1.1	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6207 ¹ , 6209 ¹	
16	7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node	IBM AIX 5.1 ²⁴	IBM PSSP 3.5 RVSD 3.5 and GPFS 2.1 ^{22, 31, 44, 46, 48}		IBM 6207 ¹	
17	7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node	IBM AIX 4.3.2	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{30, 31}	HA: 32, OPS: 8, RAC: 8	IBM 6207 ¹	
18	7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node	IBM AIX 4.3.3 ¹	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{30, 31}	HA: 32, OPS: 8, RAC: 8 ²	IBM 6209	
19	7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{30, 31}	HA: 8, OPS: 8, RAC: 8 ²	IBM 6227 ¹ , 8, 9	See ^{6, 7}
20	7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 5.1	IBM PSSP 3.5 RVSD 3.5 and GPFS 2.1 ^{22, 31, 44, 46, 48}		IBM 6227 ¹ , 8, 49, 50, 51, 52	
21	7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷ ; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 4.3.3	IBM: HACMP/ES 4.4.0 ^{11, 14} , PSSP 3.2 RVSD 3.2 ^{11, 14}	HA: 32, OPS: 8, RAC: 8 ²	IBM 6227 ¹ , 8, 9	See ^{6, 7}

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
22	7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 + .06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷ ; p680 7017-S85 as SP2 node	IBM AIX 4.3.3	IBM HACMP/ES: 4.3.1 ^{11, 14} , 4.3 ^{11, 14} ; IBM PSSP 3.1.1 RVSD ^{11, 14}	HA: 32, OPS: 8, RAC: 8 ²	IBM 6227 ^{1, 8, 9}	See ^{6, 7}
23	7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 + 06 50X ¹⁷	IBM AIX 5.1	IBM PSSP 3.5 RVSD 3.5 and GPFS 2.1 ^{22, 31, 44, 45, 46, 47}		IBM 6209 ¹	
24	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node	IBM AIX 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{30, 31}	HA: 32, OPS: 8, RAC: 8 ²	IBM 6207 ¹	
25	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node	IBM AIX 5.1 ^{1, 25, 26}	IBM HACMP/ES 4.5 ²²	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6207 ²¹ , 6209 ²¹	
26	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node	IBM AIX 5.1 ^{23, 25, 26}	IBM HACMP/ES 4.5 ²²	HA: 32, OPS: 8, RAC: 8 ²	IBM 6227 ⁹	
27	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node	IBM AIX 5.1 ^{23, 25, 26}	IBM: HACMP/ES 4.4.1 ²² , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{22, 30, 31, 33}	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6207, 6209	
28	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node	IBM AIX: 4.3.1, 4.3.2, 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{19, 30, 31}	HA: 8, OPS: 8, RAC: 8 ²	EMC CKIT-E70-AIX ^{1, 4, 5}	
29	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node	IBM AIX: 4.3.1 ¹ , 4.3.2 ¹	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{30, 31}	HA: 32, OPS: 8, RAC: 8	IBM 6209	
30	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 4.3.3	IBM PSSP 3.2 RVSD 3.2 ^{11, 14, 19}	HA: 32, OPS: 8	EMC CKIT-E70-AIX ^{4, 5}	
31	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 4.3.3	IBM PSSP 3.1.1 RVSD ^{11, 14, 19}	HA: 32, OPS: 8	EMC CKIT-E70-AIX ^{4, 5}	
32	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 4.3.3	IBM HACMP/ES: 4.3.1 ^{11, 14} , 4.3 ^{11, 14} , 4.4.0 ^{11, 14}	HA: 32, OPS: 8	EMC CKIT-E70-AIX ^{4, 5}	
33	7013-S70; 7013-S7A; 7015-S70; 7015-S7A; 7017-S70; 7017-S7A; 7017-S80; 7025-F50; 7025-F80; 7025-H70; 7026-H50; 7026-H70; 7026-H80; 7026-M80; 7044-170; 7044-270	IBM AIX 4.3.3	IBM HACMP 4.3.1	HA: 8, OPS: 8, RAC: 8 ²	IBM 6227 ^{1, 8, 9}	See ^{6, 7}
34	7013-S70; 7013-S7A; 7015-S70; 7015-S7A; 7017-S70; 7017-S7A; 7017-S80; 7025-F50; 7025-F80; 7025-H70; 7026-H50; 7026-H70; 7026-H80; 7026-M80; 7044-170; 7044-270; p620: 7025-6F0, 7025-6F1; p640 7026-B80; p660: 7026-6H0, 7026-6H1	IBM AIX 4.3.3	IBM HACMP 4.4.0	HA: 8, OPS: 8, RAC: 8 ²	IBM 6227 ^{1, 8, 9}	See ^{6, 7}
35	7013-S70; 7013-S7A; 7015-S70; 7015-S7A; 7017-S70; 7017-S7A; 7025-F50	IBM AIX 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 ²	IBM 6227 ^{1, 8, 9}	See ^{6, 7}

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
36	7013-S70; 7013-S7A; 7015-S70; 7015-S7A; 7017-S70; 7017-S7A; 7025-F50; 7025-F80; 7025-H70; 7026-H50; 7026-H70; 7026-H80; 7026-M80; 7044-170; 7044-270	IBM AIX 4.3.3	IBM HACMP 4.3	HA: 8, OPS: 8, RAC: 8 ²	IBM 6227 ^{1, 8, 9}	See ^{6, 7}
37	7013-S70; 7015-S70; 7017-S70	IBM AIX 5.1 ^{1, 24, 25}	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6207 ²¹ , 6209 ²¹	
38	7013-S70; 7015-S70; 7017-S70	IBM AIX 5.1 ^{23, 24, 25}	IBM HACMP 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6207, 6209	
39	7013-S70; 7015-S70; 7017-S70	IBM AIX 5.1 ^{23, 24, 25}	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6207, 6209, 6227 ^{8, 9}	
40	7013-S70; 7015-S70; 7017-S70	IBM AIX 5.1 ^{23, 24, 25}	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM 6227 ⁹	
41	7013-S70; 7015-S70; 7017-S70	IBM AIX 5.1 ^{23, 24, 25}	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{38, 39} , Veritas Cluster Server (VCS) 2.0 ^{40, 41, 42, 43}	HA: 8	IBM 6227 ⁹	
42	7013-S70; 7015-S70; 7017-S70	IBM AIX 5.2	Veritas Cluster Server (VCS) 3.5 ^{40, 43, 62, 63, 64}	HA: 8	IBM 6227 ⁹	
43	7013-S70; 7015-S70; 7017-S70	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM: 6207 ²¹ , 6209 ²¹ , 6227 ⁹	
44	7013-S70; 7015-S70; 7017-S70	IBM AIX: 4.3.1, 4.3.2, 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8	EMC CKIT-E70-AIX ^{1, 4, 5}	
45	7013-S70; 7015-S70; 7017-S70	IBM AIX: 4.3.1, 4.3.2, 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 ²	IBM 6209 ^{1, 21}	
46	7013-S70; 7015-S70; 7017-S70	IBM AIX: 4.3.1, 4.3.2, 4.3.3	IBM HACMP: 4.2.x, 4.3, 4.3.1, 4.4.0	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6207 ¹ , 6209 ¹	
47	7013-S70; 7015-S70; 7017-S70	IBM AIX: 4.3.2, 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 ²	IBM 6207 ^{1, 21}	
48	7013-S70; 7015-S70; 7017-S70; 7017-S80; 7025-F80; 7026-H80; 7026-M80; 7044-170; 7044-270	IBM AIX 4.3.3	IBM HACMP 4.3.1	HA: 8, OPS: 8	EMC CKIT-E70-AIX ^{4, 5}	
49	7013-S70; 7015-S70; 7017-S70; 7017-S80; 7025-F80; 7026-H80; 7026-M80; 7044-170; 7044-270; p620: 7025-6F0, 7025-6F1; p640 7026-B80; p660: 7026-6H0, 7026-6H1	IBM AIX 4.3.3	IBM HACMP 4.4.0	HA: 8, OPS: 8	EMC CKIT-E70-AIX ^{4, 5}	
50	7013-S70; 7015-S70; 7017-S70; 7025-F80; 7026-H80; 7026-M80; 7044-170; 7044-270	IBM AIX 4.3.3	IBM HACMP 4.3	HA: 8, OPS: 8	EMC CKIT-E70-AIX ^{4, 5}	
51	7013-S7A	IBM AIX 5.1 ^{24, 25, 26}	IBM HACMP 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM 6205 ^{1, 3, 21}	
52	7013-S7A	IBM AIX 5.1 ^{24, 25, 26}	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6227 ^{8, 9} , 6228 ⁸	
53	7013-S7A	IBM AIX 5.1 ^{24, 25, 29}	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM 6205 ^{1, 3, 21}	
54	7013-S7A as SP2 node; 7015-S7A as SP2 node	IBM AIX 5.1 ^{23, 25, 26}	IBM: HACMP/ES 4.4.1 ²² , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{22, 30, 31, 33}	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6227 ^{8, 9} , 6228 ^{8, 9}	
55	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node	IBM AIX 4.3.2 ¹	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{30, 31}	HA: 32, OPS: 8, RAC: 8	IBM 6209	
56	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node	IBM AIX 4.3.3	IBM HACMP/ES: 4.3.1 ^{11, 12, 13, 14} , 4.3.1 ^{11, 12, 13, 14} , 4.4.0 ^{11, 12, 13, 14} , IBM PSSP: 2.2 RVSD 1.2 ^{11, 12, 13, 14} , 2.4 RVSD 2.1.1 ^{11, 12, 13, 14}	HA: 32, OPS: 8, RAC: 8 ²	IBM 6205 ^{1, 3}	

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
57	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node	IBM AIX 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{30, 31}	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6205 ^{1, 3, 21} , 6207 ¹	
58	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node	IBM AIX: 4.3.2, 4.3.3	IBM HACMP/ES: 4.3.1 ^{10, 11, 14} , 4.3 ¹⁰ , 11, 14, 4.4.0 ^{10, 11, 14} ; IBM PSSP: 3.1.1 RVSD ^{10, 11, 14, 19} , 3.2 RVSD 3.2 ^{10, 11, 14, 19}	HA: 32, OPS: 8	EMC CKIT-E70-AIX ^{4, 5}	
59	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node	IBM AIX: 4.3.2, 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{19, 30, 31}	HA: 8, OPS: 8, RAC: 8 ²	EMC CKIT-E70-AIX ^{1, 4, 5}	
60	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{30, 31}	HA: 8, OPS: 8, RAC: 8 ²	IBM 6228 ^{1, 8, 16, 32}	
61	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 5.1 ²³ , 25, 26	IBM HACMP/ES 4.5 ²²	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6227 ⁹ , 6228 ⁹	
62	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷ ; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 5.1 ⁴⁴ , 53	IBM PSSP 3.5 RVSD 3.5 and GPFS 2.1 ^{22, 31, 44, 46, 48}		IBM 6228 ^{1, 8, 49, 50}	
63	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷ ; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 4.3.3	IBM HACMP/ES: 4.3.1 ^{11, 14} , 4.3 ^{11, 14} , 4.4.0 ^{11, 14} ; IBM PSSP 3.2 RVSD 3.2 ^{11, 14}	HA: 32, OPS: 8, RAC: 8 ²	IBM 6228 ^{1, 8, 15, 16}	
64	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷ ; p680 7017-S85 as SP2 node	IBM AIX 4.3.3	IBM PSSP 3.1.1 RVSD ^{11, 14}	HA: 32, OPS: 8, RAC: 8 ²	IBM 6228 ^{1, 8, 15, 16}	
65	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷	IBM AIX: 4.3.2, 4.3.3	IBM HACMP/ES: 4.3.1 ^{11, 12, 13, 14} , 4.3 ^{11, 12, 13, 14} , 4.4.0 ^{11, 12, 13, 14} ; IBM PSSP: 2.2 RVSD 1.2 ^{11, 12, 13, 14} , 2.4 RVSD 2.1.1 ^{11, 12, 13, 14}	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6207 ¹ , 6209 ¹	
66	7013-S7A; 7015-S7A; 7017-S7A	IBM AIX 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 ²	IBM 6228 ^{1, 8, 15, 16}	
67	7013-S7A; 7015-S7A; 7017-S7A	IBM AIX 5.1 ²³ , 24, 25	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6227 ^{8, 9} , 6228 ^{8, 9}	
68	7013-S7A; 7015-S7A; 7017-S7A	IBM AIX 5.1 ²⁴ , 25	IBM HACMP 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6227 ^{1, 8, 9} , 6228 ^{1, 8, 9}	
69	7013-S7A; 7015-S7A; 7017-S7A	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM: 6205 ^{3, 21} , 6227 ^{8, 9} , 6228 ⁸ , 9	
70	7013-S7A; 7015-S7A; 7017-S7A; 7017-S80; 7025-F80; 7025-H70; 7026-H80; 7026-M80; 7044-170; 7044-270; p620 7025-6F0; p640 7026-B80; p660: 7026-6H0, 7026-6H1, 7026-6M1; p680 7017-S85	IBM AIX 5.1 ²³ , 24, 25	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{38, 39} ; Veritas Cluster Server (VCS) 2.0 ^{40, 41} , 42, 43	HA: 8	IBM: 6227 ^{8, 9} , 6228 ^{8, 9}	
71	7013-S7A; 7015-S7A; 7017-S7A; 7017-S80; 7025-F80; 7025-H70; 7026-H80; 7026-M80; 7044-170; 7044-270; p620 7025-6F0; p660: 7026-6H0, 7026-6H1, 7026-6M1; p680 7017-S85	IBM AIX 5.2	Veritas Cluster Server (VCS) 3.5 ^{40, 43} , 62, 63, 64	HA: 8	IBM: 6227 ^{8, 9} , 6228 ^{8, 9}	

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
72	7013-S7A; 7015-S7A; 7017-S7A; 7025-F50; 7025-H70; 7026-H50; 7026-H70	IBM AIX 4.3.3	IBM HACMP: 4.3, 4.3.1, 4.4.0	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6205 ^{1,3} , 6228 ^{1,8,15,16}	
73	7013-S7A; 7015-S7A; 7017-S7A; 7025-F50; 7025-H70; 7026-H50; 7026-H70	IBM AIX: 4.3.2, 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6207 ^{1,21} , 6209 ^{1,21}	
74	7013-S7A; 7015-S7A; 7017-S7A; 7025-F50; 7025-H70; 7026-H50; 7026-H70	IBM AIX: 4.3.2, 4.3.3	IBM HACMP: 4.3, 4.3.1, 4.4.0	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6207 ¹ , 6209 ¹	
75	7013-S7A; 7015-S7A; 7017-S7A; 7025-H70	IBM AIX 5.1 ¹ , 24, 25	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM 6205 ^{3,21}	
76	7013-S7A; 7015-S7A; 7017-S7A; 7025-H70; 7026-H70	IBM AIX: 4.3.2, 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8	EMC CKIT-E70-AIX ^{1,4,5}	
77	7013-S7A; 7015-S7A; 7017-S7A; 7025-H70; 7026-H70	IBM AIX: 4.3.2, 4.3.3	IBM HACMP: 4.3.1 ¹⁰ , 4.3 ¹⁰ , 4.4.0 ¹⁰	HA: 8, OPS: 8	EMC CKIT-E70-AIX ^{4,5}	
78	7015-R30	IBM AIX 4.3.2	IBM HACMP 4.2.x	HA: 8, OPS: 4	IBM 2416 ¹	
79	7015-R30	IBM AIX 4.3.2	IBM HACMP 4.3.1	HA: 8, OPS: 4	IBM 2412	
80	7015-R30	IBM AIX 4.3.3	IBM HACMP 4.2.x	HA: 8, OPS: 4	IBM 2416	
81	7015-R30	IBM AIX 4.3.3	IBM HACMP 4.3.1	HA: 8, OPS: 4	IBM 2412 ¹	
82	7015-R30	IBM AIX: 4.3.2, 4.3.3	IBM HACMP 4.3.1	HA: 8, OPS: 4	IBM 2416 ¹	
83	7015-R40	IBM AIX 4.3.2	IBM HACMP 4.2.x	HA: 8, OPS: 4	IBM 2412 ¹	
84	7015-R40	IBM AIX 4.3.2	IBM HACMP 4.3	HA: 8, OPS: 4	IBM 2416 ¹	
85	7015-R40	IBM AIX 4.3.3	IBM HACMP 4.2.x	HA: 8, OPS: 4	IBM 2412	
86	7015-R40	IBM AIX 4.3.3	IBM HACMP 4.3	HA: 8, OPS: 4	IBM 2416	
87	7015-R40	IBM AIX: 4.3.2, 4.3.3	IBM HACMP 4.2.x	HA: 8, OPS: 4	IBM 2416 ¹	
88	7015-R50	IBM AIX 4.3.2	IBM HACMP 4.3	HA: 8, OPS: 4	IBM 2412 ¹	
89	7015-R50	IBM AIX 4.3.2	IBM HACMP 4.3.1	HA: 8, OPS: 4	IBM 2416 ¹	
90	7015-R50	IBM AIX 4.3.3	IBM HACMP 4.3	HA: 8, OPS: 4	IBM 2412	
91	7015-R50	IBM AIX 4.3.3	IBM HACMP 4.3.1	HA: 8, OPS: 4	IBM 2416	
92	7015-R50	IBM AIX: 4.3.2, 4.3.3	IBM HACMP 4.3	HA: 8, OPS: 4	IBM 2416 ¹	
93	7015-S70 as SP2 node; 7017-S70 as SP2 node	IBM AIX: 4.3.1, 4.3.2, 4.3.3	IBM HACMP/ES: 4.3.1 ^{11,12,13,14} , 4.3 ^{11,12,13,14} , 4.4.0 ^{11,12,13,14} ; IBM PSSP: 2.2 RVSD 1.2 ^{11,12,13,14} , 2.4 RVSD 2.1.1 ^{11,12,13,14}	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6207 ¹ , 6209 ¹	
94	7015-S7A as SP2 node	IBM AIX 5.1 ¹ , 25, 26	IBM HACMP/ES 4.5 ²²	HA: 32, OPS: 8, RAC: 8 ²	IBM 6207 ²¹	
95	7015-S7A; 7017-S7A	IBM AIX 5.1 ²³ , 24, 25	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6227 ^{8,9} , 6228 ^{8,9}	
96	7015-S7A; 7017-S7A; 7025-H70	IBM AIX 5.1 ²³ , 24, 25	IBM HACMP 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM 6205 ^{1,3,21}	
97	7015-S7A; 7017-S7A; 7025-H70	IBM AIX 5.1 ²⁴ , 25	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM 6205 ^{1,3,21}	
98	7017-S70 as SP2 node	IBM AIX 4.3.3	IBM HACMP/ES 4.4.0	HA: 32, OPS: 8	EMC CKIT-E70-AIX	
99	7017-S70 as SP2 node	IBM AIX 4.3.3	IBM HACMP/ES: 4.3, 4.3.1	HA: 32, OPS: 8	EMC CKIT-E70-AIX ^{4,5}	
100	7017-S7A as SP2 node	IBM AIX 5.1 ²³ , 25, 26	IBM: HACMP/ES 4.4.1 ²² , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{22,30,31,33}	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6205 ³ , 6227 ^{8,9} , 6228 ^{8,9}	
101	7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷ ; p680 7017-S85 as SP2 node	IBM AIX 5.1 ²⁴	IBM PSSP 3.5 RVSD 3.5 and GPFS 2.1 ^{22,31,44,46,48}		IBM: 6205 ^{1,3} , 6207 ¹	

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
102	7017–S80	IBM AIX 4.3.3	IBM HACMP 4.3.1	HA: 8, OPS: 8, RAC: 8 ²	IBM 6228 ^{1, 8, 15, 16}	
103	7017–S80	IBM AIX 4.3.3	IBM HACMP/ES: 4.3.1, 4.4.0	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ¹ , 6205 ^{1, 3} , 6207 ¹ , 6209 ¹	
104	7017–S80	IBM AIX 5.1 ^{23, 24, 25}	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6207, 6227 ^{8, 9, 27, 28} , 6228 ^{8, 9, 27, 28}	
105	7017–S80 as SP2 node	IBM AIX 4.3.3	IBM HACMP/ES: 4.3.1 ^{11, 12, 13, 14} , 4.3 ^{11, 12, 13, 14} , 4.4.0 ^{11, 12, 13, 14} , IBM PSSP: 2.2 RVSD 1.2 ^{11, 12, 13, 14} , 2.4 RVSD 2.1.1 ^{11, 12, 13, 14}	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6204 ¹ , 6205 ^{1, 3} , 6207 ¹ , 6209 ¹	
106	7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node	IBM AIX 5.1 ^{1, 25, 26}	IBM HACMP/ES 4.5 ²²	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6204 ²¹ , 6205 ^{3, 21}	
107	7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node	IBM AIX 5.1 ^{23, 25, 26}	IBM: HACMP/ES 4.4.1 ²² , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{22, 30, 31, 33}	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6204, 6205 ³ , 6227 ^{8, 9} , 6228 ^{8, 9}	
108	7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node; p680 7017–S85 as SP2 node	IBM AIX 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{19, 30, 31}	HA: 8, OPS: 8, RAC: 8 ²	EMC CKIT–E70–AIX ^{1, 4, 5}	
109	7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ . p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node; p680 7017–S85 as SP2 node	IBM AIX 5.1 ²⁴	IBM PSSP 3.5 RVSD 3.5 and GPFS 2.1 ^{22, 31, 44, 45, 46, 47}		IBM 6204 ¹	
110	7017–S80 as SP2 node; 7026–H80 as SP2 node; p680 7017–S85 as SP2 node	IBM AIX 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{30, 31}	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6204 ^{1, 21} , 6205 ^{1, 3, 21} , 6207 ¹	
111	7017–S80; 7025–F80	IBM AIX 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ^{1, 21} , 6205 ^{3, 21} , 6207 ^{1, 21} , 6209 ^{1, 21} , 6228 ^{1, 8, 15, 16, 27, 28}	
112	7017–S80; 7025–F80; 7025–H70; 7026–H50; 7026–H70; 7026–H80; 7026–M80; 7044–170; p620: 7025–6F0, 7025–6F1; p640 7026–B80; p660: 7026–6H0, 7026–6H1, 7026–6M1; p680 7017–S85	IBM AIX 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 ²	IBM 6227 ^{1, 8, 9, 27, 28}	See ^{6, 7}
113	7017–S80; 7025–F80; 7025–H70; 7026–H80; 7026–M80	IBM AIX 5.1 ^{23, 24, 25}	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6227 ^{8, 9, 27, 28} , 6228 ^{8, 9, 27, 28}	
114	7017–S80; 7025–F80; 7025–H70; 7026–H80; 7026–M80; p680 7017–S85	IBM AIX 5.1 ^{24, 25}	IBM HACMP 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6227 ^{1, 8, 9, 27, 28} , 6228 ^{1, 8, 9, 27, 28}	
115	7017–S80; 7025–F80; 7026–H80; 7026–M80	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM: 6204 ²¹ , 6205 ^{3, 21} , 6227 ^{8, 9, 27, 28} , 6228 ^{8, 9, 27, 28}	
116	7017–S80; 7025–F80; 7026–H80; 7026–M80; 7044–170; 7044–270; 7046–B50; p620: 7025–6F0, 7025–6F1; p640 7026–B80; p660: 7026–6H0, 7026–6H1, 7026–6M1; p680 7017–S85	IBM AIX 5.1 ^{24, 25}	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ^{1, 21} , 6205 ^{1, 3, 21}	
117	7017–S80; 7025–F80; 7026–H80; 7026–M80; 7044–170; 7044–270; p610: 7028–6C1, 7028–6E1; p620: 7025–6F0, 7025–6F1; p640 7026–B80; p660: 7026–6H0, 7026–6H1, 7026–6M1; p680 7017–S85	IBM AIX 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8	EMC CKIT–E70–AIX ^{1, 4, 5}	
118	7017–S80; 7025–F80; 7026–H80; 7026–M80; 7044–170; 7044–270; p620: 7025–6F0, 7025–6F1	IBM AIX 5.1 ^{1, 24, 25}	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ²¹ , 6205 ^{3, 21}	
119	7017–S80; 7046–B50	IBM AIX 5.1 ^{23, 24, 25}	IBM HACMP 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ^{1, 21} , 6205 ^{1, 3, 21} , 6207	

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
120	7017-S80; p620: 7025-6F0, 7025-6F1; p640 7026-B80; p660: 7026-6H0, 7026-6H1	IBM AIX 4.3.3	IBM HACMP 4.4.0	HA: 8, OPS: 8, RAC: 8 2	IBM 6228 ^{1, 8, 15, 16}	
121	7025-F50	IBM AIX 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 2	IBM: 6205 ^{3, 21} , 6228 ^{1, 8, 15, 16}	
122	7025-F50	IBM AIX 5.1 ^{1, 25, 26}	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 2	IBM 6205 ^{3, 21}	
123	7025-F50	IBM AIX 5.1 ^{23, 25, 26}	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 2	IBM: 6227 ⁹ , 6228 ⁹	
124	7025-F50	IBM AIX 5.1 ^{25, 26}	IBM HACMP 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 2	IBM: 6205 ^{1, 3, 21} , 6227 ^{1, 8, 9} , 6228 ^{1, 8}	
125	7025-F50	IBM AIX 5.1 ^{25, 26}	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 2	IBM: 6227 ^{8, 9} , 6228 ⁸	
126	7025-F50	IBM AIX 5.1 ^{25, 26, 29}	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 2	IBM 6205 ^{1, 3, 21}	
127	7025-F50	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM: 6205 ^{3, 21} , 6227 ⁹ , 6228 ⁹	
128	7025-F50; 7025-H70; 7026-H50; 7026-H70	IBM AIX 4.3.3	IBM HACMP 4.2.x	HA: 8, OPS: 8, RAC: 8 2	IBM 6205 ^{1, 3}	
129	7025-F50; 7025-H70; 7026-H50; 7026-H70	IBM AIX: 4.3.2, 4.3.3	IBM HACMP 4.2.x	HA: 8, OPS: 8, RAC: 8 2	IBM: 6207 ¹ , 6209 ¹	
130	7025-F50; 7026-H50	IBM AIX: 4.3.0, 4.3.1, 4.3.2, 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8	EMC CKIT-E70-AIX ^{1, 4, 5}	
131	7025-F50; 7026-H50	IBM AIX: 4.3.0, 4.3.1, 4.3.2, 4.3.3	IBM HACMP: 4.3.1 ¹⁰ , 4.3 ¹⁰ , 4.4.0 ¹⁰	HA: 8, OPS: 8	EMC CKIT-E70-AIX ^{4, 5}	
132	7025-F50; 7026-H50; 7026-H70	IBM AIX 5.1 ^{23, 25, 26}	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{38, 39} Veritas Cluster Server (VCS) 2.0 ^{40, 41, 42, 43}	HA: 8	IBM: 6227 ⁹ , 6228 ⁹	
133	7025-F50; 7026-H50; 7026-H70; p620 7025-6F1	IBM AIX 5.2	Veritas Cluster Server (VCS) 3.5 ^{40, 43, 62, 63, 64}	HA: 8	IBM: 6227 ⁹ , 6228 ⁹	
134	7025-F80	IBM AIX 4.3.3	IBM HACMP: 4.3, 4.3.1, 4.4.0	HA: 8, OPS: 8, RAC: 8 2	IBM: 6204 ¹ , 6205 ^{1, 3} , 6207 ¹ , 6209 ¹ , 6228 ^{1, 8, 15, 16}	
135	7025-F80; 7025-H70; 7026-H80; 7026-M80; p680 7017-S85	IBM AIX 5.1 ^{23, 24, 25}	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 2	IBM: 6227 ^{8, 9, 27, 28} , 6228 ^{8, 9, 27, 28}	
136	7025-F80; 7026-H80; 7026-M80; 7044-270; p620: 7025-6F0, 7025-6F1; p640 7026-B80; p660: 7026-6H0, 7026-6H1, 7026-6M1; p680 7017-S85	IBM AIX 5.1 ^{23, 24, 25}	IBM HACMP 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 2	IBM: 6204 ^{1, 21} , 6205 ^{1, 3, 21}	
137	7025-H70	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM: 6205 ^{3, 21} , 6227 ^{8, 9, 27, 28} , 6228 ^{8, 9, 27, 28}	
138	7025-H70; 7026-H50; 7026-H70	IBM AIX 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 2	IBM: 6205 ^{3, 21} , 6228 ^{1, 8, 15, 16} , 27, 28	
139	7026-H50	IBM AIX 5.1 ^{25, 26}	IBM HACMP 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 2	IBM: 6205 ^{1, 3, 21} , 6227 ^{1, 8, 9, 27, 28} , 6228 ^{1, 8, 27, 28}	
140	7026-H50	IBM AIX 5.1 ^{25, 26}	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 2	IBM: 6227 ^{8, 9, 27, 28} , 6228 ^{8, 27, 28}	
141	7026-H50; 7026-H70	IBM AIX 5.1 ^{23, 25, 26}	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 2	IBM: 6227 ^{9, 27, 28} , 6228 ^{9, 27, 28}	
142	7026-H50; 7026-H70	IBM AIX 5.1 ^{24, 25, 26}	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 2	IBM 6205 ^{1, 3, 21}	
143	7026-H50; 7026-H70	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM: 6227 ^{9, 27, 28} , 6228 ^{9, 27, 28}	
144	7026-H70	IBM AIX 5.1 ^{23, 25, 26}	IBM HACMP 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 2	IBM 6205 ^{1, 3, 21}	
145	7026-H70	IBM AIX 5.1 ^{23, 25, 26}	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 2	IBM: 6227 ^{8, 9, 27, 28} , 6228 ^{8, 27, 28}	
146	7026-H70	IBM AIX 5.1 ^{25, 26}	IBM HACMP 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 2	IBM: 6227 ^{1, 8, 9, 27, 28} , 6228 ^{1, 8, 27, 28}	
147	7026-H80	IBM AIX 4.3.3	IBM HACMP: 4.3, 4.3.1, 4.4.0	HA: 8, OPS: 8, RAC: 8 2	IBM: 6204 ¹ , 6205 ^{1, 3} , 6207 ¹ , 6228 ^{1, 8, 15, 16}	

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
148	7026–H80 as SP2 node	IBM AIX 4.3.3	IBM PSSP: 2.2 RVSD 1.2 ^{11, 12, 13, 14} , 2.4 RVSD 2.1. ^{11, 12, 13, 14}	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6204 ¹ , 6205 ^{1, 3} , 6207 ¹	
149	7026–H80 as SP2 node; p680 7017–S85 as SP2 node	IBM AIX 4.3.3	IBM HACMP/ES: 4.3. ^{11, 12, 13, 14} , 4.3 ^{11, 12, 13, 14} , 4.4.0 ^{11, 12, 13, 14}	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6204 ¹ , 6205 ^{1, 3} , 6207 ¹	
150	7026–H80; 7026–M80; p630: 7028–6C4, 7028–6E4; p650 7038–6M2; p655 7039–651; p660: 7026–6H0, 7026–6H1, 7026–6M1; p670 7040–671; p690: 7040–61D, 7040–61R, 7040–681, 7040–W42	IBM AIX 5.1 ^{23, 55, 58}	IBM HACMP: 4.4. ¹²² , 4.5 ²² ; IBM HACMP/ES: 4.4. ¹²² , 4.5 ²²		IBM 6228 ^{1, 8, 27, 28, 34, 49, 50, 51}	
151	7026–H80; 7026–M80; p660: 7026–6H0, 7026–6H1, 7026–6M1	IBM AIX 5.1 ^{23, 24, 55, 58}	IBM GPFS Cluster 2. ^{159, 60}		IBM 6227 ^{8, 34, 49, 50, 51}	
152	7026–H80; 7026–M80; p660: 7026–6H0, 7026–6H1, 7026–6M1	IBM AIX 5.1 ^{23, 24, 55, 58}	IBM HACMP: 4.4. ¹²² , 4.5 ²² ; IBM HACMP/ES: 4.4. ¹²² , 4.5 ²²		IBM 6227 ^{8, 27, 28, 34, 49, 50, 51}	
153	7026–H80; 7026–M80; SP2 9076 +: 02 XX ¹⁷ , 05 XX ¹⁷ , 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷ ; p630: 7028–6C4, 7028–6E4; p650 7038–6M2; p655 7039–651; p660: 7026–6H0, 7026–6H1, 7026–6M1; p670 7040–671; p690: 7040–61D, 7040–61R, 7040–681, 7040–W42	IBM AIX 5.1 ^{23, 55, 58}	IBM GPFS Cluster 2. ^{159, 60}		IBM 6228 ^{1, 8, 34, 49, 50, 51}	
154	7026–H80; p640 7026–B80; p680 7017–S85	IBM AIX 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ^{1, 21} , 6205 ^{3, 21} , 6207 ^{1, 21} , 6228 ^{1, 8, 15, 16, 27, 28}	
155	7026–M80 as SP2 node	IBM AIX 4.3.3	IBM HACMP/ES: 4.3. ^{11, 12, 13, 14} , 4.3 ^{11, 12, 13, 14} , 4.4.0 ^{11, 12, 13, 14}	HA: 32, OPS: 8, RAC: 8 ²	IBM 6204 ¹	
156	7026–M80 as SP2 node; p660 7026–6M1 as SP2 node	IBM AIX 4.3.3	IBM HACMP/ES 4.4.0	HA: 8, OPS: 8, RAC: 8 ²	IBM 6205 ^{1, 3}	
157	7026–M80 as SP2 node; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node	IBM AIX 4.3.3	IBM HACMP/ES: 4.3, 4.3.1	HA: 8, OPS: 8, RAC: 8 ²	IBM 6205 ^{1, 3}	
158	7026–M80 as SP2 node; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node	IBM AIX 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{30, 31}	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6204 ^{1, 21} , 6205 ^{1, 3, 21}	
159	7026–M80 as SP2 node; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node	IBM AIX 5.1 ²⁴	IBM PSSP 3.5 RVSD 3.5 and GPFS 2.1 ^{22, 31, 44, 46, 48}		IBM 6205 ^{1, 3}	
160	7026–M80; 7044–170; 7044–270	IBM AIX 4.3.3	IBM HACMP: 4.3, 4.3.1, 4.4.0	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ¹ , 6205 ^{1, 3} , 6228 ^{1, 8, 15, 16}	
161	7026–M80; 7044–170; 7044–270; p620: 7025–6F0, 7025–6F1; p660: 7026–6H0, 7026–6H1, 7026–6M1	IBM AIX 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ^{1, 21} , 6205 ^{3, 21} , 6228 ^{1, 8, 15, 16, 27, 28}	
162	7044–170	IBM AIX 5.1 ^{23, 24, 25}	IBM HACMP 4.4. ¹²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ^{1, 21} , 6205 ^{1, 3, 21} , 6227 ^{8, 9, 27, 28} , 6228 ^{8, 27, 28} , 6239 ^{27, 28}	
163	7044–170; 7044–270	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM: 6204 ²¹ , 6205 ^{3, 21} , 6227 ^{8, 9, 27, 28} , 6228 ^{8, 9, 27, 28} , 6239 ^{27, 28}	
164	7044–170; 7044–270; p620: 7025–6F0, 7025–6F1; p640 7026–B80; p660: 7026–6H0, 7026–6H1, 7026–6M1	IBM AIX 5.1 ^{23, 24, 25}	IBM: HACMP 4.5 ²² , HACMP/ES 4.4.1 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6227 ^{8, 9, 27, 28} , 6228 ^{8, 9, 27, 28} , 6239 ^{27, 28}	
165	7044–270; p620: 7025–6F0, 7025–6F1; p660: 7026–6H0, 7026–6H1, 7026–6M1	IBM AIX 5.1 ^{24, 25}	IBM HACMP 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6227 ^{1, 8, 9, 27, 28} , 6228 ^{1, 8, 9, 27, 28} , 6239 ^{27, 28}	
166	7046–B50	IBM AIX 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ^{1, 21} , 6205 ^{3, 21} , 6207 ^{1, 21}	
167	7046–B50	IBM AIX 4.3.3	IBM HACMP: 4.3, 4.3.1, 4.4.0	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ¹ , 6205 ^{1, 3} , 6207 ¹	
168	7046–B50	IBM AIX 5.1 ^{1, 24, 25}	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ²¹ , 6205 ^{3, 21} , 6207 ²¹	
169	7046–B50	IBM AIX 5.1 ^{23, 24, 25}	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM 6207	
170	7046–B50	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM: 6204 ²¹ , 6205 ^{3, 21} , 6207 ²¹	
171	p610 7028–6C1; p630: 7028–6C4, 7028–6E4	IBM AIX 5.1 ^{23, 24, 25}	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{38, 39} , Veritas Cluster Server (VCS) 2.0 ^{40, 41, 42, 43}	HA: 8	IBM 6228 ^{8, 9}	
172	p610 7028–6C1; p630: 7028–6C4, 7028–6E4; p640 7026–B80	IBM AIX 5.2	Veritas Cluster Server (VCS) 3.5 ^{40, 43, 62, 63, 64}	HA: 8	IBM 6228 ^{8, 9}	
173	p610 7028–6E1	IBM AIX 5.1 ^{23, 24, 25}	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6228 ^{8, 27, 28} , 6239 ^{27, 28}	

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
174	p610 7028-6E1	IBM AIX 5.1 ^{23, 24, 25}	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{38, 39} ; Veritas Cluster Server (VCS) 2.0 ^{40, 41, 42, 43}	HA: 8	IBM 6228 ⁹	
175	p610 7028-6E1	IBM AIX 5.2	Veritas Cluster Server (VCS) 3.5 ^{40, 43, 62, 63, 64}	HA: 8	IBM 6228 ⁹	
176	p610: 7028-6C1, 7028-6E1	IBM AIX 4.3.3	IBM HACMP 4.4.0	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ¹ , 6228 ^{8, 15, 16}	
177	p610: 7028-6C1, 7028-6E1	IBM AIX 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ^{1, 21} , 6228 ^{1, 8, 15, 16, 27, 28}	
178	p610: 7028-6C1, 7028-6E1	IBM AIX 5.1 ^{23, 24, 25}	IBM HACMP 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM 6204 ^{1, 21}	
179	p610: 7028-6C1, 7028-6E1	IBM AIX 5.1 ^{24, 25}	IBM HACMP 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6228 ^{1, 8, 27, 28} , 6239 ^{27, 28}	
180	p610: 7028-6C1, 7028-6E1	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM: 6204 ²¹ , 6228 ^{8, 9, 27, 28} , 6239 ^{27, 28}	
181	p610: 7028-6C1, 7028-6E1; p630: 7028-6C4, 7028-6E4	IBM AIX 5.1 ^{23, 24, 25}	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6228 ^{8, 9, 27, 28} , 6239 ^{27, 28}	
182	p610: 7028-6C1, 7028-6E1; p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681	IBM AIX 5.1 ^{1, 24, 25}	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM 6204 ²¹	
183	p610: 7028-6C1, 7028-6E1; p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681	IBM AIX 5.1 ^{24, 25}	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM 6204 ^{1, 21}	
184	p615: 7029-6C3, 7029-6E3	IBM AIX 5.1 ^{23, 24, 25}	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM 6239 ^{8, 27, 28}	
185	p615: 7029-6C3, 7029-6E3	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM 6239 ^{8, 27, 28}	
186	p620 7025-6F1	IBM AIX 5.1 ^{23, 24, 25}	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{38, 39} ; Veritas Cluster Server (VCS) 2.0 ^{40, 41, 42, 43}	HA: 8	IBM: 6227 ⁹ , 6228 ⁹	
187	p620: 7025-6F0, 7025-6F1	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM 6205 ^{3, 21}	See ³
188	p620: 7025-6F0, 7025-6F1	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM: 6204 ²¹ , 6227 ^{8, 9, 27, 28} , 6228 ^{8, 9, 27, 28} , 6239 ^{27, 28}	
189	p620: 7025-6F0, 7025-6F1; p640 7026-B80; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 4.3.3	IBM HACMP/ES 4.4.1	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ^{1, 21} , 6205 ^{1, 3, 21}	
190	p630: 7028-6C4, 7028-6E4; p640 7026-B80	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM: 6228 ^{8, 9, 27, 28} , 6239 ^{27, 28}	
191	p640 7026-B80	IBM AIX 4.3.3	IBM HACMP 4.3	HA: 8, OPS: 8, RAC: 8 ²	IBM 6228 ^{1, 8, 15, 16}	
192	p640 7026-B80	IBM AIX 4.3.3 ¹	IBM HACMP/ES 4.4.1	HA: 8, OPS: 8, RAC: 8 ²	IBM 6207	
193	p640 7026-B80	IBM AIX 5.1 ^{24, 25}	IBM HACMP 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6227 ^{1, 8, 9, 27, 28} , 6228 ^{1, 8, 27, 28} , 6239 ^{27, 28}	
194	p640 7026-B80	IBM AIX 5.2	Veritas Cluster Server (VCS) 3.5 ^{40, 43, 62, 63, 64}	HA: 8	IBM 6227 ^{8, 9}	See ³⁴
195	p640 7026-B80	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM 6227 ^{8, 9, 27, 28}	See ³⁴
196	p640 7026-B80; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.1 ^{1, 24, 25}	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6204 ²¹ , 6205 ^{3, 21}	
197	p640 7026-B80; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 32, OPS: 8, RAC: 8	IBM 6204 ²¹	
198	p640 7026-B80; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 32, OPS: 8, RAC: 8	IBM 6205 ^{3, 21}	See ³
199	p650 7038-6M2	IBM AIX: 5.1, 5.2	IBM HACMP: 4.4.1, 4.5; IBM HACMP/ES: 4.4.1, 4.5	HA: 8, OPS: 8, RAC: 8 ⁶¹	IBM 6204	
200	p650 7038-6M2; p655 7039-651	IBM AIX 5.1 ^{23, 24, 25}	IBM HACMP: 4.4.1 ²² , 4.5 ²² ; IBM HACMP/ES: 4.4.1 ²² , 4.5 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6228 ^{27, 28, 36, 37} , 6239 ^{27, 28}	
201	p650 7038-6M2; p655 7039-651	IBM AIX 5.1 ^{23, 24, 25}	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{38, 39} ; Veritas Cluster Server (VCS) 2.0 ^{40, 41, 42, 43}	HA: 8	IBM 6228 ^{36, 37}	
202	p650 7038-6M2; p655 7039-651	IBM AIX 5.2	Veritas Cluster Server (VCS) 3.5 ^{40, 43, 62, 63, 64}	HA: 8	IBM 6228 ^{36, 37}	
203	p650 7038-6M2; p655 7039-651	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM: 6228 ^{27, 28, 36, 37} , 6239 ^{27, 28}	
204	p660 7026-6M1 as SP2 node	IBM AIX 4.3.3	IBM PSSP 3.2 RVSD 3.2	HA: 8, OPS: 8, RAC: 8 ²	IBM 6205 ^{1, 3}	

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
205	p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node	IBM AIX 4.3.3	IBM HACMP/ES 4.4.0	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ¹ , 6205 ^{1,3}	
206	p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node; p690: 7040-61D as an SP node, 7040-61R as an SP node, 7040-681 as an SP node	IBM AIX 5.2 ^{54, 65, 66}	IBM PSSP 3.5 RVSD 3.5 ^{31, 45, 47}		IBM 6228	
207	p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM: 6227 ^{8, 9, 27, 28} , 6228 ^{8, 9, 27, 28} , 6239 ^{27, 28}	
208	p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681	IBM AIX 5.1 ^{23, 24, 25}	IBM HACMP/ES 4.4.1 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6228 ^{27, 28} , 6239 ^{27, 28}	
209	p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681	IBM AIX 5.1 ^{23, 24, 25}	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6228 ^{16, 27, 28} , 6239 ^{27, 28}	
210	p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681	IBM AIX 5.1 ^{23, 24, 25}	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{38, 39} , Veritas Cluster Server (VCS) 2.0 ^{40, 41, 42, 43}	HA: 8	IBM 6228 ⁸	
211	p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681	IBM AIX 5.2	Veritas Cluster Server (VCS) 3.5 ^{40, 43, 62, 63, 64}	HA: 8	IBM 6228 ⁸	
212	p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM: 6204 ²¹ , 6228 ^{16, 27, 28} , 6239 ^{27, 28}	
213	p680 7017-S85	IBM AIX 4.3.3	IBM HACMP/ES: 4.3.1, 4.4.0	HA: 8, OPS: 8	EMC CKIT-E70-AIX ^{4, 5}	
214	p680 7017-S85	IBM AIX 4.3.3	IBM HACMP/ES: 4.3.1, 4.4.0	HA: 8, OPS: 8, RAC: 8 ²	IBM 6227 ^{1, 8, 9}	See ^{6, 7}
215	p680 7017-S85	IBM AIX 4.3.3	IBM HACMP/ES: 4.3.1, 4.4.0	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ¹ , 6205 ^{1, 3} , 6207 ¹ , 6228 ^{1, 8, 15, 16}	
216	p680 7017-S85	IBM AIX 5.1 ^{1, 24, 25}	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ²¹ , 6207 ²¹	
217	p680 7017-S85	IBM AIX 5.1 ^{23, 24, 25}	IBM: HACMP 4.5 ²² , HACMP/ES 4.5 ²²	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6227 ^{9, 27, 28} , 6228 ^{9, 27, 28}	
218	p680 7017-S85	IBM AIX 5.2 ⁵⁴	IBM: HACMP 4.5 ^{22, 55, 56} , HACMP/ES 4.5 ^{22, 55, 57}	HA: 8, OPS: 8, RAC: 8	IBM: 6204 ²¹ , 6207 ²¹ , 6227 ^{9, 27, 28} , 6228 ^{9, 27, 28}	
219	p680 7017-S85 as SP2 node	IBM AIX 5.1 ^{1, 25, 26}	IBM HACMP/ES 4.5 ²²	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6204 ²¹ , 6205 ^{3, 21} , 6207 ²¹	
220	SP2 9076 + 01: 00X ¹⁷ , 10X ¹⁷ , A0X ¹⁷ ; SP2 9076 + 02: XX ¹⁷	IBM AIX: 4.3.2, 4.3.3	IBM HACMP/ES 4.2.2 ^{11, 12, 13, 14}	HA: 16, OPS: 8	IBM 2412 ¹	
221	SP2 9076 + 01: 00X ¹⁷ , 10X ¹⁷ , A0X ¹⁷ ; SP2 9076 + 02: XX ¹⁷ , 03 XX ²¹⁷ , 03 XX ³¹⁷ , 03 XX ⁴¹⁷ , 03 XX ⁵¹⁷ , 03 XX ⁶¹⁷ , 04 XX ⁷¹⁷ , 04 XX ⁸¹⁷ , 04 XXA ¹⁷ , 05 XX ⁹¹⁷	IBM AIX: 4.3.2, 4.3.3	IBM HACMP/ES: 4.3.1 ^{11, 12, 13, 14, 20} , 4.3.1 ^{11, 12, 13, 14, 20} , IBM PSSP: 2.2 RVSD 1.2 ^{11, 12, 13, 14} , 2.4 RVSD 2.1 ^{11, 12, 13, 14} , 3.1.1 RVSD ^{11, 12, 13, 14}	HA: 16, OPS: 8	IBM: 2412 ¹ , 2416 ¹	
222	SP2 9076 + 01: 00X ¹⁷ , 10X ¹⁷ , A0X ¹⁷ ; SP2 9076 + 02: XX ¹⁷ , 03 XX ²¹⁷ , 03 XX ³¹⁷ , 03 XX ⁴¹⁷ , 03 XX ⁵¹⁷ , 03 XX ⁶¹⁷ , 04 XX ⁷¹⁷ , 04 XX ⁸¹⁷ , 04 XXA ¹⁷ , 05 XX ⁹¹⁷	IBM AIX: 4.3.2, 4.3.3	IBM PSSP 3.2 RVSD 3.2 ^{11, 12, 13, 14}	HA: 16, OPS: 8	IBM 2416 ¹	
223	SP2 9076 + 01: 00X ¹⁷ , A0X ¹⁷	IBM AIX 4.3.2	IBM HACMP/ES 4.2.2	HA: 16, OPS: 8	IBM 2416	
224	SP2 9076 + 01: 00X ¹⁷ , A0X ¹⁷	IBM AIX 4.3.3	IBM HACMP/ES 4.2.2 ^{11, 12, 13, 14}	HA: 16, OPS: 8	IBM 2416 ¹	
225	SP2 9076 + 01: 00X ¹⁷ , A0X ¹⁷ ; SP2 9076 + 03: XX ²¹⁷ , XX ⁴¹⁷ , XX ⁶¹⁷ ; SP2 9076 + 04: XX ⁸¹⁷ , 05 XX ⁹¹⁷	IBM AIX 4.3.2	IBM PSSP 3.2 RVSD 3.2	HA: 16, OPS: 8	IBM 2412	
226	SP2 9076 + 01: 00X ¹⁷ , A0X ¹⁷ ; SP2 9076 + 03: XX ²¹⁷ , XX ⁴¹⁷ , XX ⁶¹⁷ ; SP2 9076 + 04: XX ⁸¹⁷ , 05 XX ⁹¹⁷	IBM AIX 4.3.3	IBM PSSP 3.2 RVSD 3.2 ^{11, 12, 13, 14}	HA: 16, OPS: 8	IBM 2412 ¹	
227	SP2 9076 + 03: XX ²¹⁷ , XX ³¹⁷ , XX ⁴¹⁷ , XX ⁵¹⁷ , XX ⁶¹⁷ ; SP2 9076 + 04: XX ⁷¹⁷ , XX ⁸¹⁷ , XXA ¹⁷ ; SP2 9076 + 05: XX ⁹¹⁷	IBM AIX: 4.3.2, 4.3.3	IBM HACMP/ES 4.2.2 ^{11, 12, 13, 14}	HA: 16, OPS: 8	IBM: 2412 ¹ , 2416 ¹	
228	SP2 9076 + 06 50X ¹⁷	IBM AIX 5.1 ^{23, 25, 26}	IBM: HACMP/ES 4.4.1 ²² , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{22, 30, 31, 33}	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6204, 6205 ³ , 6207, 6228 ^{8, 9}	
229	SP2 9076 + 07 55X ¹⁷ ; p680 7017-S85 as SP2 node	IBM AIX 5.1 ^{23, 25, 26}	IBM: HACMP/ES 4.4.1 ²² , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{22, 30, 31, 33}	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6204, 6205 ³ , 6207	
230	SP2 9076 + 08 T70 ¹⁷	IBM AIX 5.1 ^{1, 25, 26}	IBM HACMP/ES 4.5 ²²	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6205 ³⁵ , 6207	
231	SP2 9076 + 08 T70 ¹⁷	IBM AIX 5.1 ^{23, 25, 26}	IBM: HACMP/ES 4.4.1 ²² , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{22, 30, 31, 33}	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6205 ³ , 6207, 6228 ^{8, 9}	
232	SP2 9076 + 01 10X ¹⁷ , 02 XX ¹¹⁷	IBM AIX 4.3.2	IBM HACMP/ES 4.2.2 ^{11, 12, 13, 14}	HA: 16, OPS: 8	IBM 2416 ¹	
233	SP2 9076 + 01 10X ¹⁷ , 02 XX ¹¹⁷	IBM AIX 4.3.3	IBM HACMP/ES 4.2.2	HA: 16, OPS: 8	IBM 2416	
234	SP2 9076 + 01 10X ¹⁷ , 02 XX ¹¹⁷ , 03 XX ³¹⁷ , 03 XX ⁵¹⁷ , 04 XX ⁷¹⁷ , 04 XXA ¹⁷	IBM AIX 4.3.2	IBM PSSP 3.2 RVSD 3.2 ^{11, 12, 13, 14}	HA: 16, OPS: 8	IBM 2412 ¹	
235	SP2 9076 + 01 10X ¹⁷ , 02 XX ¹¹⁷ , 03 XX ³¹⁷ , 03 XX ⁵¹⁷ , 04 XX ⁷¹⁷ , 04 XXA ¹⁷	IBM AIX 4.3.3	IBM PSSP 3.2 RVSD 3.2	HA: 16, OPS: 8	IBM 2412	

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
236	SP2 9076 +: 02 XX1 ¹⁷ , 05 XX9 ¹⁷ , 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷	IBM AIX 5.1 ²³ , 55, 58	IBM HACMP: 4.4.1 ²² , 4.5 ²² ; IBM HACMP/ES: 4.4.1 ²² , 4.5 ²²		IBM 6228 ^{1, 8, 34, 49, 50, 51}	
237	SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷	IBM AIX 5.1 ¹ , 25, 26	IBM HACMP/ES 4.5 ²²	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6204 ³⁵ , 6205 ³⁵ , 6207	
238	SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷	IBM AIX 4.3.2	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{30, 31}	HA: 8, OPS: 8, RAC: 8 ²	IBM 6207 ^{1, 21}	
239	SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷	IBM AIX 4.3.3	IBM HACMP/ES: 4.3.1 ^{11, 12, 13, 14} , 4.3 ^{11, 12, 13, 14} , 4.4.0 ^{11, 12, 13, 14} ; IBM PSSP: 2.2 RVSD 1.2 ^{11, 12, 13, 14} , 2.4 RVSD 2.1.1 ^{11, 12, 13, 14}	HA: 32, OPS: 8, RAC: 8 ²	IBM: 6204 ^{1, 18} , 6205 ^{1, 3, 18}	
240	SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷	IBM AIX 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{19, 30, 31}	HA: 32, OPS: 8, RAC: 8 ²	EMC CKIT–E70–AIX ^{1, 4, 5}	
241	SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷	IBM AIX 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{30, 31}	HA: 32, OPS: 8, RAC: 8 ²	IBM 6227 ^{8, 9}	See ^{6, 7}
242	SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷	IBM AIX 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{30, 31}	HA: 32, OPS: 8, RAC: 8 ²	IBM 6228 ^{8, 15, 16}	
243	SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷	IBM AIX 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{30, 31}	HA: 8, OPS: 8, RAC: 8 ²	IBM: 6204 ¹⁸ , 6205 ^{1, 21} , 6207	
244	SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷	IBM AIX 5.1	IBM PSSP 3.5 RVSD 3.5 and GPFS 2.1 ^{22, 31, 44, 46, 48}		IBM 6227 ^{1, 8, 49, 50, 51, 52}	See ³⁴
245	SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷	IBM AIX 5.1 ²³ , 25, 26	IBM HACMP/ES 4.5 ²²	HA: 32, OPS: 8, RAC: 8 ²	IBM 6227 ⁹	See ³⁴
246	SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷	IBM AIX 5.1 ²³ , 25, 26	IBM HACMP/ES 4.5 ²²	HA: 32, OPS: 8, RAC: 8 ²	IBM 6228 ⁹	
247	SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷	IBM AIX: 4.3.0, 4.3.1	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{19, 30, 31}	HA: 32, OPS: 8, RAC: 8	EMC CKIT–E70–AIX ^{1, 4, 5}	
248	SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷	IBM AIX: 4.3.0, 4.3.1, 4.3.2, 4.3.3	IBM HACMP/ES: 4.3.1 ^{11, 14} , 4.3 ^{11, 14} , 4.4.0 ^{11, 14} ; IBM PSSP: 3.1.1 RVSD ^{11, 14, 19} , 3.2 RVSD 3.2 ^{11, 14, 19}	HA: 32, OPS: 8	EMC CKIT–E70–AIX ^{4, 5}	
249	SP2 9076 +: 06 50X ¹⁷ , 07 55X ¹⁷ , 08 T70 ¹⁷	IBM AIX: 4.3.2, 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{30, 31}	HA: 8, OPS: 8, RAC: 8 ²	IBM 6209 ^{1, 21}	
250	SP2 9076 +: 06 50X ¹⁷ , 08 T70 ¹⁷	IBM AIX 5.1 ²³ , 25, 26	IBM: HACMP/ES 4.4.1 ²² , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{22, 30, 31, 33}	HA: 32, OPS: 8, RAC: 8 ²	IBM 6227 ^{8, 9}	See ³⁴

- For all PCI-based hosts only: See http://www-1.ibm.com/servers/eserver/pseries/library/hardware_docs/sa38/380538.pdf for appropriate HBA placement guidelines.
- For IBM AIX 4.3.3: requires Oracle RAC9i (9.0.1), HACMP/ES 4.4.x. PowerPath 2.1 or greater is supported. Symmetrix microcode 5566/5567/5568. A SAN implementation with ISLs will observe significant delay in failover times if link failures non-contiguous to host HBA occur. For IBM AIX 5.1: requires Oracle RAC9i (9.2), HACMP/ES 4.4.x. PowerPath 3.0.1 or greater is supported. Symmetrix microcode 5566/5567/5568. A SAN implementation with ISLs will observe significant delay in failover times if link failures non-contiguous to host HBA occur.
- Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3–U2SD4L).
- HBA and driver available exclusively as EMC Fibre Channel Interface V2.0 for AIX Platforms. Latest PTF package (V2.0.0.3_PTF.tar.Z) can be downloaded from the EMC FTP server at <ftp://ftp.emc.com/pub/elab/aix/EMC-FC-Kit>
- Mixed FC–AL and FC–SW are supported on the same server.
- Requires minimum Symmetrix microcode level 5265.39.25. Requires minimum AIX APAR IY05369. Requires minimum EMC ODM fileset support (4.3.3.0 IBM Fibre Channel interface support for Symmetrix).
- Requires minimum Symmetrix microcode level 5265.48.30. Requires minimum AIX APAR IY08960, IY03872. Requires minimum EMC ODM fileset support (4.3.3.1 IBM Fibre Channel interface support for Symmetrix).
- IBM Native Fibre Channel drivers with feature code 6227 and with feature code 6228 are supported on the same server. Feature 6228 and 6239 are supported on the same server. Mixed FC–AL and FC–SW are supported on the same server. 6227 filesets: devices.pci.dfi1000f7.com, devices.pci.dfi1000f7.diag, devices.pci.dfi1000f9.diag, devices.pci.dfi1000f9.rte; 6239 filesets: devices.pci.dfi1000f7.com, devices.pci.dfi1000f7.diag, devices.pci.dfi1080f9.diag, devices.pci.dfi1080f9.rte
- Requires minimum HACMP IY07313, concurrent resource groups not supported with HACMP 4.3 or 4.3.1; For HACMP 4.4.0 and 4.4.1 concurrent resource groups supported with APAR IY14528. Requires minimum AIX APAR IY08960, IY03872, IY06844. Requires minimum Symmetrix microcode level 5265.48.30.
- RS/6000 nodes only: 8 nodes, RS/6000 SP nodes only: 32 nodes, mix RS/6000 and RS/6000 SP in same cluster: 8 nodes.
- Latest APAR for PSSP 3.1.1 is IY17870.
- Latest APAR for PSSP 2.2 is IY15360.
- Latest APAR for PSSP 2.4 is IY17776.
- Latest APAR for PSSP 3.2 is IY17872.
- Requires minimum EMC ODM fileset support (4.3.3.1 IBM Fibre Channel interface support for Symmetrix). Device driver df1000f9 is distributed by IBM.
- Requires minimum AIX 4.3.3 with maintenance level 08 and adapter firmware 3.82a1. Requires minimum HACMP IY07313. Concurrent resource groups not supported with HACMP 4.3 or 4.3.1; For HACMP 4.4.0 and 4.4.1 concurrent resource groups supported with APAR IY14528. Requires minimum Symmetrix microcode level 5265.48.30.
- The following link provides detailed data for all 9076–SP2 models and feature codes: http://www1.ibmink.ibm.com/cgi-bin/master?request=salesmanual&parms=SMS&xt=NTZH*daEMSRi4n1USenGnN9332&xhi=usa.main%7Csalesmanual%5E&type=D&search=9076&title=T&product=9076
- These feature codes are supported: 2054: Power 3 High Node, 2055: SP expansion I/O, 2056: 375 MHz Power 3 thin node, 2057: 375 MHz Power 3 wide node, 2058: 375 MHz Power 3 high node.
- Requires PowerPath version 2.0.2 or higher.
- RVSD 3.2 supported with IBM 6227/6228 host bus adapter.
- Channel configurations: multi-port SCSI preferred or common SCSI bus.
- For installation with Powerpath Versions 3.0.3 and 3.0.4 see Primus ID EMC69100 which contains additional requirements for support.
- AIX 5.1 supported with 32/64-bit kernel. Requires minimum EMC ODM fileset support 5.0.0.0.
- AIX 5.1 32/64 bit Kernel supported. Minimum PowerPath Version 2.1.2 supported. Requires minimum EMC ODM fileset support 5.0.0.0.
- Minimum PowerPath 2.1.2 supported.
- AIX 5.1 supported with 32-bit kernel. Requires minimum EMC ODM fileset support 5.0.0.0.
- This configuration includes support for fibre channel boot. See the single host section of the EMC Support Matrix for fibre channel boot specific requirements.
- For fibre channel boot support with HACMP the luns containing rootvg cannot be shared between hosts.
- AIX 5.1 only supported with 32-bit kernel. Minimum PowerPath Version 2.1.2 supported. Requires minimum EMC ODM fileset support 5.0.0.0.
- Requires minimum AIX 4.3.3 with APAR IY22024, Requires PSSP 3.4 with APAR IY32625
- Refer to Primus case #1.0.128870403.2749464 for configuration instructions.
- Requires minimum EMC ODM fileset support (4.3.3.1 IBM Fibre Channel interface support for Symmetrix).
- Requires minimum PSSP 3.4 APAR IY33448.
- FC–SW and FC–AL are supported on the same server.
- Feature codes supported: 2054: Power 3 High Noise, 2055: SP expansion I/O, 2056: 375 MHz Power 3 thin node, 2057: 375 MHz Power 3 wide node, 2058: 375 MHz Power 3 high node.
- Requires minimum HACMP APAR IY07313. Latest APAR for PSSP 3.1.1 is IY17870. Requires minimum RVSD APAR IY07130.
- IBM 6227 and 6228 adapters are supported on the same server. Mixed FC–AL and FC–SW are supported on the same server.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12

40. GAB disks (membership and service group heartbeat disks) are not supported.
41. VxVM and VxFS are not currently supported with PowerPath in this configuration.
42. Minimum PowerPath 3.0.2 is supported.
43. PowerPath is supported with LVM and JFS
44. Requires minimum AIX5.1 with maintenance level 03 APAR IY32749.
45. Minimum Powerpath version 3.0.3 is supported.
46. Requires minimum PSSP APAR IY38509
47. PSSP 3.5 supports a 32 or 64 bit kernel.
48. AIX 5.1 supported with 32/64 bit kernel.
49. See http://www.rs6000.ibm.com/resource/hardware/hardware_docs/sa38-0538/380538.pdf for appropriate HBA placement guidelines
50. Requires minimum ODM fileset support (5.0.0.0 EMC Symmetrix Fibre Channel support software).
51. IBM 6227 and IBM 6228 adapters are supported on the same server. Mixed FC-AL and FC-SW are supported on the same server.
6227 Filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1000f7.rte ;
6228 Filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1000f9.diag, devices.pci/df1000f9.rte
52. Requires adapter firmware 3.22A1, CLArrayS3.5.1 fileset support. Supports FC4700 with minimum flare code 8.46.xx.
53. AIX 5.1 32/64 bit Kernel supported. Requires minimum EMC ODM fileset support 5.0.0.0.
54. **AIX 5.2 requires Operating System APAR# IY36782, IY37744 and IY37746 for support with HACMP and HACMP/ES version 4.5 and PSSP 3.5.**
55. Minimum Powerpath version 3.0.2 is supported.
56. HACMP 4.5 when installing under AIX 5.2 requires HACMP 4.5 APAR# IY36938.
57. When installing under AIX 5.2 HACMP/ES 4.5 APAR# IY36938, HACMP/ES 4.5 APAR# IY36933, HACMP/ES 4.5 APAR# IY36626 and RSCT 2.3 APAR# IY36626 are required.
58. AIX 5.1-32/64 bit kernel supported. Requires CLArrayS3.5.1 fileset support.
59. Requires minimum IBM APAR IY43999
60. Requires a minimum of three nodes in the cluster.
61. For IBM AIX 5.1:requires Oracle RAC9i (9.2), PowerPath 3.0.2 or greater is supported.
62. **Supported with VCS 3.5 Maintenance Patch 1**
63. **Native names only. Power devices are not supported in a cluster configuration.**
64. **PowerPath supports LVM with JFS, and VxVM 3.2.2 with VxFS 3.4.4.**
65. **AIX 5.2 32/64 bit kernel supported. Requires Minimum EMC ODM fileset support 5.0.0.0.**
66. **Requires AIX APAR IY48995**

IBM DYNIX/ptx IBM

IBM – IBM DYNIX/ptx						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Symmetry: 2000, 5000	IBM DYNIX/ptx 4.2.4	IBM ptx/Cluster 1.2.2	OPS: 2	IBM: QCIC-E, QCIC-W-CTLR-01	See ^{1,2}
2	Symmetry: 2000, 5000	IBM DYNIX/ptx: 4.4.7, 4.4.8	IBM ptx/Cluster 2.1.1	OPS: 2	IBM: QCIC-E, QCIC-W-CTLR-01	See ^{1,2}
3	xSeries NUMA-Q 2000	IBM DYNIX/ptx 4.5.2	IBM ptx/Cluster 2.2.1	HA: 2, OPS: 2	IBM FC to SCSI Bridge	
4	xSeries NUMA-Q 2000	IBM DYNIX/ptx 4.5.2	IBM ptx/Cluster 2.2.1	HA: 2, OPS: 2	IBM FCB 1000-MB	See ³
5	xSeries NUMA-Q 2000	IBM DYNIX/ptx 4.5.2	IBM ptx/Cluster 2.2.1	HA: 2, OPS: 2 ^{4, 5}	IBM: IOC-210-52 (LP6500) ^{6, 7} , IOC-210-54 (LP7000E-N1) ^{6, 7}	
6	xSeries NUMA-Q 2000	IBM DYNIX/ptx 4.5.3	IBM ptx/Cluster 2.2.2	HA: 2 ^{4, 5} , OPS: 2	IBM: IOC-210-52 (LP6500) ^{7, 8} , IOC-210-54 (LP7000E-N1) ^{7, 8}	
7	xSeries NUMA-Q 2000	IBM DYNIX/ptx 4.6.1 ^{4, 5}	IBM ptx/Cluster: 2.3.0, 2.3.1	HA: 2, OPS: 2	IBM FCB 1000-MB	See ³
8	xSeries NUMA-Q 2000	IBM DYNIX/ptx 4.6.1 ^{4, 5}	IBM ptx/Cluster: 2.3.0, 2.3.1	HA: 2, OPS: 2	IBM: IOC-210-52 (LP6500) ^{6, 7} , IOC-210-54 (LP7000E-N1) ⁷	
9	xSeries NUMA-Q 2000	IBM DYNIX/ptx: 4.4.7 ^{4, 5} , 4.4.8 ^{4, 5}	IBM ptx/Cluster 2.1.1	HA: 2, OPS: 2	IBM FCB 1000-MB	See ³
10	xSeries NUMA-Q 2000	IBM DYNIX/ptx: 4.4.7 ^{4, 5} , 4.4.8 ^{4, 5}	IBM ptx/Cluster 2.1.1	HA: 2, OPS: 2	IBM: IOC-210-52 (LP6500) ^{6, 7} , IOC-210-54 (LP7000E-N1) ⁷	

1. These clustered hosts require Symmetrix Host Adapter model OSD4-SW, WSD4-SW, DP-USD4-SW, or DP-WSD4-SW. Symmetrix getekeeper devices cannot be configured to shared SCSI busses for DYNIX/ptx 4.2.x. Only configure gatekeepers to private SCSI busses.
2. Common SCSI Bus.
3. Multi-port SCSI.
4. Can support up to 4-node clusters without SVM for DYNIX/ptx 4.4.5 and later, but only 2-node clusters with SVM shared disk groups.
5. Can support up to 4-node clusters for DYNIX/ptx 4.6.0 and later, for both HA and OPS.
6. EMC DP3-FCD4 supported on DYNIX/ptx 4.4.8, 4.4.9, 4.4.10, 4.5.2, 4.5.3, and 4.6.1 only. Requires minimum 5x67 microcode 5567.34.19A, or 5568.27.12A.
7. EMC DP3-FCD42G and EMC DP3-FCD42GS supported on DYNIX/ptx 4.4.8, 4.4.9 and 4.4.10 only.
8. Not supported on the EMC DP3-FCD4 or on the DP3-FCD42G(S).

Microsoft Windows 2000

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiON non-disruptive upgrades for Windows systems booting from CLARiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

DG

DG – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	AViiON: AV1400, AV2800, AV3800	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , SP3 ⁴ , SP4 ⁴ ; Microsoft Windows 2000 Server SP4 ⁴	Microsoft MSCS ^{2,3}	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ⁵ , LP850-EMC; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
2	AViiON: AV1400, AV2800, AV3800	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , SP4 ⁴	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{6,7}	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ⁵ , LP850-EMC, LP9002-E (LP9002L-E); QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12

Dell

Dell – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 2600	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Oracle 9i RAC 9.2.0.1.0 ⁹	RAC: 8	QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
2	PowerEdge 2650	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2,6}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
3	PowerEdge 2650	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{10,11} ; Veritas Cluster Server (VCS) 2.0 ¹²	HA: 4	Emulex: LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
4	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Datacenter: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2342-E-SP	See ¹
5	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000: Datacenter SP4 ³ , Server SP4 ³	Microsoft MSCS ^{2,6}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP7000E-EMC, LP8000-EMC ⁸ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
6	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³	Microsoft MSCS	HA: 4	Emulex LP8000-EMC ⁸ , QLogic QLA2340-E-SP	See ¹
7	PowerEdge 8450	Microsoft Windows 2000: Advanced Server SP3 ³ , Datacenter SP2 ³ , Datacenter SP3 ³ , Datacenter SP4 ³ , Server SP4 ³	Microsoft MSCS ^{2,6}	HA: 4	Emulex LP8000-EMC ⁸ , QLogic QLA2340-E-SP	See ¹

Dell – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
8	PowerEdge 8450 ⁵	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000: Datacenter SP4 ³ , Server SP4 ³	Microsoft MSCS ²	HA: 2	Adaptec AHA-2944UW ⁴	See ¹
9	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ⁷ , 2600, 4400, 4600, 6300, 6350, 6400, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2, 6}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP7000E-EMC, LP8000-EMC ⁸ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
10	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ⁷ , 2600, 4400, 4600, 6300, 6350, 6400, 6450, 6600, 6650, 8450	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹²	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ⁸ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
11	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ⁷ , 2600, 4400, 4600, 6300, 6350, 6400, 6450, 6600, 6650, 8450; PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{10, 11}	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ⁸ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
12	PowerEdge: 1650, 1750, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Oracle 9i RAC 9.2.0.1.0 ⁹	RAC: 8	QLLogic: QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
13	PowerEdge: 2300, 6100	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2, 6}	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ⁸ , LP850-EMC; QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
14	PowerEdge: 2300, 6100	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{10, 11} ; Veritas Cluster Server (VCS) 2.0 ¹²	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ⁸ , LP850-EMC; QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
15	PowerEdge: 2400 ⁵ , 2450 ⁵ , 6300 ⁵ , 6350 ⁵ , 6400 ⁵ , 6600 ⁵ , 6650 ⁵	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ²	HA: 2	Adaptec AHA-2944UW ⁴	See ¹
16	PowerEdge: 2600, 2650, 4600, 6400, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

Dell – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
17	PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2, 6}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP7000E-EMC, LP850-EMC, LP9002-E, (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
18	PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹²	HA: 4	Emulex: LP7000E-EMC, LP850-EMC, LP9002-E, (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Requires Legacy PCI slot (not available on most new servers.)**
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0 . VxVm not supported. PowerPath 3.0 supported.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12
- GAB disks (membership and service group heartbeat disks) are not supported.

Fujitsu Siemens

Fujitsu Siemens – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Primergy F250 ⁸	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2, 5}	HA: 2	Emulex: LP7000E-EMC, LP9802-E; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
2	Primergy F250 ⁸	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	Emulex: LP8000-EMC ⁷ , LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
3	Primergy F250 ⁸	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{9, 10}	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ⁷ , LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
4	Primergy F250 ⁸	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	Emulex: LP7000E-EMC, LP9802-E; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
5	Primergy H250 ^{6, 8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2, 5}	HA: 2	Emulex: LP8000-EMC ⁷ , LP9002-E (LP9002L-E), LP9002DC-E	See ¹
6	Primergy H250 ^{6, 8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	Emulex: LP8000-EMC ⁷ , LP9002-E (LP9002L-E), LP9002DC-E	
7	Primergy H250 ⁸	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	Emulex: LP8000-EMC ⁷ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLogic QLA2342-E-SP	See ¹
8	Primergy H250 ⁸	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{9, 10}	HA: 4	Emulex: LP8000-EMC ⁷ , LP9002-E (LP9002L-E), LP9002DC-E	

Fujitsu Siemens – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
9	Primergy N800	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	Emulex LP9802-E; QLogic QLA2342-E-SP	See ¹
10	Primergy N800	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³	Microsoft MSCS	HA: 4	Emulex: LP8000-EMC ⁷ , LP9002-E (LP9002L-E)	See ¹
11	Primergy N800	Microsoft Windows 2000: Advanced Server SP3 ³ , Server SP4 ³	Microsoft MSCS ^{2, 5}	HA: 4	Emulex: LP8000-EMC ⁷ , LP9002-E (LP9002L-E) ³	See ¹
12	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	Emulex: LP8000-EMC ⁷ , LP9002-E (LP9002L-E), LP9802-E; QLogic QLA2342-E-SP	See ¹
13	Primergy: B210, C200, E200, F200, H400, K400, L200, N200, N400, N800, P200, P250, R450, RX100	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{9, 10}	HA: 4	Emulex: LP8000-EMC ⁷ , LP9002-E (LP9002L-E)	
14	Primergy: B210 ⁶ , C200 ⁶ , E200 ⁶ , F200 ⁶ , F250 ^{6, 8} , H400 ⁶ , H450 ⁶ , K400 ⁶ , L200 ⁶ , N200 ⁶ , N400 ⁶ , N800 ⁶ , P200 ⁶ , P250 ⁶ , R450 ⁶ , RX100, T850 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2, 5}	HA: 2	Emulex: LP8000-EMC ⁷ , LP9002-E (LP9002L-E)	See ¹
15	Primergy: B210 ⁶ , C200 ⁶ , E200 ⁶ , F200 ⁶ , F250 ^{6, 8} , H400 ⁶ , H450 ⁶ , K400 ⁶ , L200 ⁶ , N200 ⁶ , N400 ⁶ , N800 ⁶ , P200 ⁶ , P250 ⁶ , R450 ⁶ , RX100, T850 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	Emulex: LP8000-EMC ⁷ , LP9002-E (LP9002L-E)	
16	Primergy: H400, K400, N400	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ²	HA: 2	Adaptec AHA-2944UW ⁴	See ¹
17	Primergy: H450, T850	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2, 5}	HA: 2	Emulex: LP7000E-EMC, LP9802-E	See ¹
18	Primergy: H450, T850	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	Emulex: LP8000-EMC ⁷ , LP9002-E (LP9002L-E), LP9802-E	See ¹
19	Primergy: H450, T850	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{9, 10}	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ⁷ , LP9002-E (LP9002L-E), LP9802-E	
20	Primergy: H450, T850	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	Emulex: LP7000E-EMC, LP9802-E	
21	Primergy: RX200, RX300, RX600, RX800, TX200, TX300, TX600	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2, 5}	HA: 2	Emulex LP9802-E	See ¹
22	Primergy: RX200, RX300, RX600, RX800, TX200, TX300, TX600	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{9, 10} ; Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	Emulex LP9802-E	
23	Primergy: RX200, RX300, RX600, RX800, TX200, TX300, TX600	Microsoft Windows 2000: Advanced Server SP3 ³ , Server SP4 ³	Microsoft MSCS ^{2, 5}	HA: 4	Emulex LP9802-E	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Requires Legacy PCI slot (not available on most new servers.)**
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Must use standard PCI 32bit/33MHz slot for SCSI
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12
- GAB disks (membership and service group heartbeat disks) are not supported.

HPQ

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserver LC: 2000 U3, 2000 ¹⁵ ; Netserver LH: 3000, 4, 6000; Netserver: LP 2000R, LT 6000R, LXR 8000, LXR 8500	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2, 9}	HA: 2	HPQ: D8602A (Agilent HHBA-5101B) ^{3, 14} , D8602B (Agilent HHBA-5101C) ^{3, 13}	See ¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
2	Netserver LC: 2000 U3, 2000 ¹⁵ ; Netserver: LP 2000r, LT 6000R	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ² , 9	HA: 2	Emulex: LP9002-E (LP9002L-E), LP9002DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ^{1,5}
3	Netserver LC: 2000 U3 ⁵ , 2000 ⁵ ; Netserver LH: 3000 ⁵ , 6000 ⁵ ; Netserver: LT 6000R ⁵ , LXR 8500 ⁵	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ²	HA: 2	Adaptec AHA-2944UW ⁶ ; HPQ: A5252A ⁴ , A5252B ⁴	See ¹
4	Netserver LXR 8500	Microsoft Windows 2000: Advanced Server SP3 ³ , Server SP4 ³	Microsoft MSCS ² , 9	HA: 4	HPQ D8602B (Agilent HHBA-5101C) ^{3,13}	See ¹
5	Proliant 5500 ^{7,8}	Microsoft Windows 2000 Advanced Server SP4 ³	Oracle 9i RAC 9.2.0.1.0	RAC: 8	Emulex LP9002-E (LP9002L-E)	
6	Proliant 5500 ^{7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	Emulex LP9002-E (LP9002L-E)	See ¹
7	Proliant 5500 ^{7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{16,17}	HA: 4	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E)	
8	Proliant 5500 ^{7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹⁸	HA: 4	Emulex LP9002-E (LP9002L-E)	
9	Proliant 6500 ^{7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ² , 9	HA: 2	Emulex LP8000-EMC ¹¹ ; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic QLA2310F-E-SP	See ¹
10	Proliant 6500 ^{7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹⁸	HA: 4	QLLogic QLA2310F-E-SP	
11	Proliant 8000 Pro ^{5,7}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ² , 9	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ¹¹ , LP850-EMC; QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
12	Proliant 8000 Pro ^{5,7}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹⁸	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ¹¹ , LP850-EMC; QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
13	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Datacenter: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: FCA2354 (LP9002), FCA2355 (LP9002DC); QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
14	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³	Microsoft MSCS	HA: 4	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
15	Proliant 8500	Microsoft Windows 2000: Advanced Server SP3 ³ , Datacenter SP2 ³ , Datacenter SP3 ³ , Datacenter SP4 ³ , Server SP4 ³	Microsoft MSCS ^{2,9}	HA: 4	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
16	Proliant 8500 ^{5,7}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000: Datacenter SP4 ³ , Server SP4 ³	Microsoft MSCS ²	HA: 2	Adaptec AHA-2944UW ⁶	See ¹
17	Proliant 8500 ^{5,7}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000: Datacenter SP4 ³ , Server SP4 ³	Microsoft MSCS ^{2,9}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP7000E-EMC, LP8000-EMC ¹¹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
18	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server SP4 ³	Oracle 9i RAC 9.2.0.1.0	RAC: 8	HPQ Dual-port mezzanine controller card	
19	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2,9}	HA: 2	HPQ Dual-port mezzanine controller card	See ¹
20	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{16,17} ; Veritas Cluster Server (VCS) 2.0 ¹⁸	HA: 4	HPQ Dual-port mezzanine controller card	
21	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³	Microsoft MSCS	HA: 4	HPQ Dual-port mezzanine controller card	See ¹
22	Proliant BL20p (G2)	Microsoft Windows 2000: Advanced Server SP3 ³ , Server SP4 ³	Microsoft MSCS ^{2,9}	HA: 4	HPQ Dual-port mezzanine controller card	See ¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
23	Proliant BL40p	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ² , 9	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹¹ , LP9002-E, (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982) DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
24	Proliant BL40p	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{16, 17} ; Veritas Cluster Server (VCS) 2.0 ¹⁸	HA: 4	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
25	Proliant DL580(G2) ^{5, 7}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ² , 9	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982) DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
26	Proliant DL580(G2) ^{5, 7}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹⁸	HA: 4	Emulex: LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
27	Proliant DL580(G2) ⁷	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ² , 9	HA: 2	Emulex: LP7000E-EMC LP8000-EMC ¹¹ , LP850-EMC	See ¹
28	Proliant DL580(G2) ⁷	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹⁸	HA: 4	Emulex: LP7000E-EMC LP8000-EMC ¹¹ , LP850-EMC	

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
29	Proliant DL740	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2,9}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹¹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
30	Proliant DL740	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹¹ , LP9802-E, LP9802DC-E, LP982-E; HPQ: FCA2354 (LP9002), FCA2355 (LP9002DC); QLLogic: QLA2342-E-SP	See ¹
31	Proliant DL740	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{16, 17} ; Veritas Cluster Server (VCS) 2.0 ¹⁸	HA: 4	Emulex: LP8000-EMC ¹¹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
32	Proliant DL740	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³	Microsoft MSCS	HA: 4	Emulex: LP9002-E (LP9002L-E), LP9002DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2310F-E-SP, QLA2340-E-SP	See ¹
33	Proliant DL740	Microsoft Windows 2000: Advanced Server SP3 ³ , Server SP4 ³	Microsoft MSCS ^{2,9}	HA: 4	Emulex: LP9002-E (LP9002L-E), LP9002DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2310F-E-SP, QLA2340-E-SP	See ¹
34	Proliant: 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6500 ^{7,8} , 7000 ^{7,8} , 8000 ^{7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato LAAM (Legato Cluster) 4.8.1		Emulex LP8000-EMC ¹¹	

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
35	Proliant: 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6500 ^{7,8} , 7000 ^{7,8} , 8000 ^{7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato LAAM (Legato Cluster): 4.7, 4.8	HA: 2	Emulex LP8000-EMC ¹¹	
36	Proliant: 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6500 ^{7,8} , 7000 ^{7,8} , 8000 ^{7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹⁸	HA: 4	Emulex LP8000-EMC ¹¹	See ⁵
37	Proliant: 2500 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6500 ^{7,8} , 8000 ^{7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³	Microsoft MSCS	HA: 4	Emulex LP8000-EMC ¹¹ ; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
38	Proliant: 2500 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6500 ^{7,8} , 8000 ^{7,8}	Microsoft Windows 2000: Advanced Server SP3 ³ , Server SP4 ³	Microsoft MSCS ^{2,9}	HA: 4	Emulex LP8000-EMC ¹¹ ; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
39	Proliant: 2500 ⁷ , 5000 ⁷ , 6000 ^{7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{16,17}	HA: 4	Emulex LP8000-EMC ¹¹	
40	Proliant: 2500 ⁷ , 5000 ⁷ , 6000 ^{7,8} , 8000 ^{7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2,9}	HA: 2	Emulex LP8000-EMC ¹¹ ; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
41	Proliant: 3000 ^{5,7} , 7000 ^{5,7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2,9}	HA: 2	Emulex: LP7000E-EMC, LP850-EMC; QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
42	Proliant: 3000 ^{5,7} , 7000 ^{5,7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹⁸	HA: 4	Emulex: LP7000E-EMC, LP850-EMC; QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
43	Proliant: 3000 ⁷ , 5500 ^{7,8} , 7000 ^{7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2,9}	HA: 2	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
44	Proliant: 3000 ⁷ , 6500 ^{7,8} , 7000 ^{7,8} , 8000 ^{7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{16,17}	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ¹¹ , LP850-EMC; QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
45	Proliant: 3000 ⁷ , 7000 ^{7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³	Microsoft MSCS	HA: 4	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
46	Proliant: 3000 ⁷ , 7000 ^{7,8}	Microsoft Windows 2000: Advanced Server SP3 ³ , Server SP4 ³	Microsoft MSCS ^{2,9}	HA: 4	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
47	Proliant: 6000 ^{5,7,8} , 6400R ^{5,7} , 7000 ^{5,7,8} , 8000 ^{5,7,8}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ²	HA: 2	Adaptec AHA-2944UW ⁶	See ¹
48	Proliant: 6400R ⁷ , 8500, BL40p, DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL560, DL580 ⁷ , DL740	Microsoft Windows 2000 Advanced Server SP4 ³	Oracle 9i RAC 9.2.0.1.0	RAC: 8	Emulex: LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
49	Proliant: 6400R ⁷ , 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360(G3), DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL560, DL580(G2) ⁷ , DL580(G3), DL580 ⁷ , ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570(G2) ⁵ , ML570 ⁷ , ML750 ¹⁰	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{16,17}	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ¹¹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
50	Proliant: 6400R ⁷ , 8500 ^{5,7} , DL320 ^{5,7} , DL360(G2) ^{5,7} , DL360(G3), DL360 ^{5,7} , DL380(G2) ^{5,7} , DL380(G3), DL380 ^{5,7} , DL560, DL580(G3), DL580 ^{5,7} , ML350 ^{5,7} , ML370 ^{5,7} , ML530(G2) ^{5,7} , ML530 ^{5,7} , ML570(G2) ⁵ , ML570 ^{5,7} , ML750 ^{5,10}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹⁸	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ¹¹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
51	Proliant: 6400R ⁷ , BL40p, DL320 ⁷ , DL360(G2) ⁷ , DL360(G3), DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL560, DL580(G2) ⁷ , DL580(G3), DL580 ⁷ , ML350(G2) ⁷ , ML350(G3) , ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570(G2), ML570 ⁷ , ML750 ⁷	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
52	Proliant: 6400R ⁷ , DL320 ^{5,7} , DL360(G2) ^{5,7} , DL360(G3), DL360 ^{5,7} , DL380(G2) ^{5,7} , DL380(G3), DL380 ^{5,7} , DL560, DL580(G3), DL580 ^{5,7} , ML350 ^{5,7} , ML370 ^{5,7} , ML530(G2) ^{5,7} , ML530 ^{5,7} , ML570(G2) ⁵ , ML570 ^{5,7} , ML750 ^{5,10}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2,9}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP7000E-EMC, LP8000-EMC ¹¹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
53	Proliant: DL760 (G2), DL760 ^{5,7}	Microsoft Windows 2000 Advanced Server SP2 ³	Microsoft MSCS ^{2,9}	HA: 2	QLLogic QLA2310F-E-SP	See ¹
54	Proliant: DL760 (G2), DL760 ^{5,7}	Microsoft Windows 2000 Advanced Server SP2 ³	Veritas Cluster Server (VCS) 2.0 ¹⁸	HA: 4	QLLogic QLA2310F-E-SP	
55	Proliant: DL760 (G2), DL760 ^{5,7}	Microsoft Windows 2000 Advanced Server SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹⁸	HA: 4	QLLogic QLA2310F-E-SP	See ¹²
56	Proliant: DL760 (G2), DL760 ^{5,7}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000: Datacenter SP4 ³ , Server SP4 ³	Microsoft MSCS ^{2,9}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP7000E-EMC, LP8000-EMC ¹¹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
57	Proliant: DL760 (G2), DL760 ^{5,7}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹⁸	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ¹¹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
58	Proliant: DL760 (G2), DL760 ^{5,7}	Microsoft Windows 2000 Advanced Server: SP3 ³ , SP4 ³ ; Microsoft Windows 2000: Datacenter SP4 ³ , Server SP4 ³	Microsoft MSCS ^{2,9}	HA: 2	QLLogic QLA2310F-E-SP	See ^{1, 12}
59	Proliant: DL760 (G2), DL760 ⁷	Microsoft Windows 2000 Advanced Server SP2 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{16, 17}	HA: 4	QLLogic QLA2310F-E-SP	
60	Proliant: DL760 (G2), DL760 ⁷	Microsoft Windows 2000 Advanced Server SP2 ³	Microsoft MSCS	HA: 4	QLLogic QLA2310F-E-SP	See ¹
61	Proliant: DL760 (G2), DL760 ⁷	Microsoft Windows 2000 Advanced Server SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{16, 17}	HA: 4	QLLogic QLA2310F-E-SP	See ¹²
62	Proliant: DL760 (G2), DL760 ⁷	Microsoft Windows 2000 Advanced Server SP4 ³	Oracle 9i RAC 9.2.0.1.0	RAC: 8	Emulex: LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	
63	Proliant: DL760 (G2), DL760 ⁷	Microsoft Windows 2000 Advanced Server SP4 ³	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLLogic QLA2310F-E-SP	See ¹²
64	Proliant: DL760 (G2), DL760 ⁷	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Datacenter: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹¹ , LP9802-E, LP9802DC-E, LP982-E; HPQ: FCA2354 (LP9002), FCA2355 (LP9002DC); QLLogic QLA2342-E-SP	See ¹
65	Proliant: DL760 (G2), DL760 ⁷	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{16, 17}	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ¹¹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
66	Proliant: DL760 (G2), DL760 ⁷	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³	Microsoft MSCS	HA: 4	Emulex: LP9002-E (LP9002L-E), LP9002DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic QLA2340-E-SP	See ¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
67	Proliant: DL760 (G2), DL760 ⁷	Microsoft Windows 2000: Advanced Server SP3 ³ , Datacenter SP2 ³ , Datacenter SP3 ³ , Datacenter SP4 ³ , Server SP4 ³	Microsoft MSCS ² , 9	HA: 4	Emulex: LP9002-E (LP9002L-E), LP9002DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic QLA2340-E-SP	See ¹
68	Proliant: DL760 (G2), DL760 ⁷	Microsoft Windows 2000: Advanced Server SP3 ³ , Datacenter SP2 ³ , Datacenter SP3 ³ , Datacenter SP4 ³ , Server SP4 ³	Microsoft MSCS ² , 9	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 12}
69	Proliant: DL760 (G2), DL760 ⁷	Microsoft Windows 2000: Advanced Server SP4 ³ , Server SP2 ³ , Server SP3 ³	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 12}
70	Proliant: ML370(G2), ML370(G3)	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ , Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ² , 9	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP7000E-EMC, LP8000-EMC ¹¹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{1, 5}
71	Proliant: ML370(G2), ML370(G3)	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹⁸	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ¹¹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ⁵

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- (Adaptec AHA-2944UW)
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
- Requires Legacy PCI slot (not available on most new servers.)**
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Includes both Pentium PRO and XEON models
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supported by direct attach only**
- The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP. (HHBA-5101BK-01)
- HP NetServer LC2000 is only supported with two processors. Uni-Processor configurations are not supported
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12
- GAB disks (membership and service group heartbeat disks) are not supported.

IBM

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	eServer BladeCenter HS20 (Model 8678) ^{5, 18}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS ^{2, 7, 21}	HA: 4	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{19, 20}	See ¹
2	Netfinity 6000R	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2, 7}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 00N6881 (QLA2200) ¹⁰ , 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶ ; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
3	Netfinity 6000R	Microsoft Windows 2000 Advanced Server: SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2, 7}	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 12}
4	Netfinity 6000R; xSeries x370	Microsoft Windows 2000 Advanced Server SP2 ³	Microsoft MSCS ^{2, 7}	HA: 2	QLogic QLA2310F-E-SP	See ¹
5	Netfinity 7000 M10 ^{5, 6}	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2, 7}	HA: 2	IBM: 00N6881 (QLA2200) ¹⁰ , 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶	See ¹
6	Netfinity 7000 M10 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2, 7}	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
7	Netfinity 8500R; xSeries: x370, x440	Microsoft Windows 2000: Advanced Server SP3 ³ , Datacenter SP2 ³ , Datacenter SP3 ³ , Datacenter SP4 ³ , Server SP4 ³	Microsoft MSCS ^{2, 7}	HA: 4	IBM: 00N6881 (QLA2200) ¹⁰ , 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶	See ¹
8	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ⁶ , 7100	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{14, 15}	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC; IBM: 00N6881 (QLA2200) ¹⁰ , 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶ ; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
9	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7100	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2, 7}	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC; IBM: 00N6881 (QLA2200) ¹⁰ , 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶ ; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
10	Netfinity: 5000 ⁵ , 5500 M10 ⁵ , 5500 M20 ⁵ , 5500 ⁵ , 5600 ⁵ , 6000R, 7000 M10 ^{5, 6} , 7000 ⁵ , 7100 ⁵ , 7600 ⁵ , xSeries: X330 ⁵ , X335, X340 (4500R) ⁵ , X342 ⁵ , x230, x240 ⁵ , x250 ⁵ , x350 (6000R) ⁵	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ²	HA: 2	Adaptec AHA-2944UW ⁴	See ¹

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
11	Netfinity: 5600, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x440, x445	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{14, 15}	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 00N6881 (QLA2200) ¹⁰ , 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶ ; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
12	Netfinity: 5600, 7600; xSeries: X330, X335, X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x445	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server SP4 ³	Microsoft MSCS ^{2, 7}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 00N6881 (QLA2200) ¹⁰ , 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶ ; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
13	Netfinity: 8500, 8500R; xSeries x440	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000: Datacenter SP4 ³ , Server SP4 ³	Microsoft MSCS ^{2, 7}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 00N6881 (QLA2200) ¹⁰ , 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶ ; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
14	Netfinity: 8500, 8500R ⁵ ; xSeries x370 ⁵	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000: Datacenter SP4 ³ , Server SP4 ³	Microsoft MSCS ²	HA: 2	Adaptec AHA-2944UW ⁴	See ¹
15	xSeries x370	Microsoft Windows 2000 Advanced Server SP2 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{14, 15} , Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	QLogic QLA2310F-E-SP	
16	xSeries x370	Microsoft Windows 2000 Advanced Server SP2 ³	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ¹
17	xSeries x370	Microsoft Windows 2000 Advanced Server SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{14, 15} , Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	QLogic QLA2310F-E-SP	See ¹²
18	xSeries x370	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Datacenter: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
19	xSeries x370	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000: Datacenter SP4 ³ , Server SP4 ³	Microsoft MSCS ^{2,7}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶ ; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
20	xSeries x370	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{14,15}	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 00N6881 (QLA2200) ¹⁰ , 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶ ; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
21	xSeries x370	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Oracle 9i RAC 9.2.0.1.0 ¹¹	RAC: 8	QLogic QLA2200F-EMC	
22	xSeries x370	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Oracle 9i RAC 9.2.0.1.0 ^{11,13}	RAC: 8	IBM: 00N6881 (QLA2200) ¹⁰ , 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶	
23	xSeries x370	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶ ; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
24	xSeries x370	Microsoft Windows 2000 Advanced Server: SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Datacenter: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1,12}
25	xSeries x370	Microsoft Windows 2000 Advanced Server: SP3 ³ , SP4 ³ ; Microsoft Windows 2000: Datacenter SP4 ³ , Server SP4 ³	Microsoft MSCS ^{2,7}	HA: 2	QLogic QLA2310F-E-SP	See ^{1,12}
26	xSeries x370 ⁵	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000: Datacenter SP4 ³ , Server SP4 ³	Microsoft MSCS ^{2,7}	HA: 2	IBM 00N6881 (QLA2200) ¹⁰	See ¹
27	xSeries x370 ⁵	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	IBM 00N6881 (QLA2200) ¹⁰	
28	xSeries x440	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Datacenter: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
29	xSeries x445	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
30	xSeries x445	Microsoft Windows 2000: Advanced Server SP3 ³ , Server SP4 ³	Microsoft MSCS ^{2,7}	HA: 4	IBM: 00N6881 (QLA2200) ¹⁰ 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶	See ¹
31	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x235, x240, x250, x255, x345, x350 (6000R), x360	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶ , QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
32	xSeries: X330, X335, X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x440, x445	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	Emulex: LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 00N6881 (QLA2200) ¹⁰ 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶ ; QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
33	xSeries: X330 ⁵ , X335, X340 (4500R) ⁵	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato LAAM (Legato Cluster) 4.7	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC; IBM: 00N6881 (QLA2200) ¹⁰ 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶	
34	xSeries: X330 ⁵ , X335, X340 (4500R) ⁵ , x440 ⁵ , x445	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato LAAM (Legato Cluster) 4.8	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC; IBM: 00N6881 (QLA2200) ¹⁰ 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶	
35	xSeries: X330 ⁵ , X335, X340 (4500R) ⁵ , x440 ⁵ , x445	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³	Legato LAAM (Legato Cluster) 4.8.1		Emulex: LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC; IBM: 00N6881 (QLA2200) ¹⁰ 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶	
36	xSeries: x370, x440, x445	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³	Microsoft MSCS	HA: 4	IBM: 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ¹⁶	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Requires Legacy PCI slot (not available on most new servers.)**
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- This HBA is equivalent to the qLogic QLA2310.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0
VxVm not supported. PowerPath 3.0 supported.
- Supported by direct attach only

13. Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0.
VxVM not supported.
PowerPath 3.0 supported.
14. LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.
15. LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12
16. This HBA is equivalent to the qLogic QLA2340.
17. GAB disks (membership and service group heartbeat disks) are not supported.
18. EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
19. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
20. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.

NCR

NCR – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Worldmark: 4500, 45xx, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ² , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
2	Worldmark: 4500, 45xx, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ² , SP4 ²	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1,3}
3	Worldmark: 4950, 5350	Microsoft Windows 2000 Advanced Server: SP2 ^{2,6} , SP3 ² , SP4 ²	Microsoft MSCS		LSI ITI7004G2 ⁵ ; QLogic QLA2204F	See ¹

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. Supported by direct attach only
4. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
5. Requires package PSCSI302 Ver.02.10.10.09 or higher available from NCR.
6. Symmetrix 8000 Series & 66/67 support at MPRAS 3.02, Windows 2000 SP2.

NEC

NEC – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Express 5800 180Rb-7	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Microsoft MSCS		NEC: N8103-200, N8190-105	
2	Express 5800 180Rb-7	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC ClusterPro 6.0	HA: 2	Emulex LP850-EMC; NEC: N8103-200, N8190-105, N8503-200	
3	Express 5800 180Rb-7	Microsoft Windows 2000: Advanced Server SP4 ¹ , Server SP4 ¹	NEC ClusterPro 7.0	HA: 2	NEC: N8103-200, N8190-105	
4	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rc-4	Microsoft Windows 2000 Advanced Server SP4 ¹	NEC ClusterPro 7.0	HA: 2	NEC: N8103-200, N8190-105	
5	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rc-4	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	Microsoft MSCS		NEC: N8103-200, N8190-105	
6	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rc-4	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	NEC ClusterPro 6.0	HA: 2	Emulex LP850-EMC; NEC: N8103-200, N8190-105, N8503-200	
7	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4, 180Rc-4	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; NEC N8103-200; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ³
8	Express 5800: 320La-R ² , 320La ² , 320Lb-R ² , 320Lb ² , 330Ma-R ² , 330Mb-R ² , 340Ha-R ²	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	NEC ClusterPro 6.0	HA: 2	NEC N8803-031 (QLA2310F)	

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. Bus Enumeration Issue Causes Problems using SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

- By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.
 By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.
 The workaround is to perform "symcfg discover" after rebooting.
- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
 - The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Unisys

Unisys – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	ES2024 ⁶ ; ES2025 ⁶ ; ES2043 ⁶ ; ES2045 ⁶ ; ES2085 ⁶ ; ES5024 ⁶ ; ES5043 ⁶ ; ES5044 ⁶ ; ES5045 ⁶ ; ES5085 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server SP4 ⁵	Microsoft MSCS ^{2, 3}	HA: 2	Unisys: FCH720111-P64 (LP8000-D1) ⁵ , FCH720113-P64 (LP8000-EMC, LP8000-F1) ⁵	See ¹
2	ES7000/100	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Datacenter: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
3	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵	Microsoft MSCS	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E	See ¹
4	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000: Advanced Server SP3 ⁵ , Datacenter SP2 ⁵ , Datacenter SP3 ⁵ , Datacenter SP4 ⁵ , Server SP4 ⁵	Microsoft MSCS ^{2, 3}	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E; Unisys FCH732213-P64 (LP9002L-F2) ⁵	See ¹
5	ES7000/100 ⁶ ; ES7000/200 ⁶ ; ES7000/230 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP4 ⁵	Microsoft MSCS ^{2, 3}	HA: 2	Unisys FCH732213-P64 (LP9002L-F2) ⁵	See ¹
6	ES7000/100 ⁶ ; ES7000/200 ⁶ ; ES7000/230 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP4 ⁵	Microsoft MSCS ^{2, 3}	HA: 2	Unisys: FCH720111-P64 (LP8000-D1) ⁵ , FCH720113-P64 (LP8000-EMC, LP8000-F1) ⁵	See ^{1, 7}
7	ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server SP2 ⁵	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ¹
8	ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Datacenter: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
9	ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Datacenter: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 7}
10	ES7000/520; ES7000/530; ES7000/540	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP2 ⁵ , Server SP3 ⁵ , Server SP4 ⁵	Microsoft MSCS	HA: 2	Unisys FCH732213-P64 (LP9002L-F2)	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
- Supported by direct attach only

Microsoft Windows 2003

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

Dell

Dell – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 3250 (Itanium 2)	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{7, 8, 9}	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁶
2	PowerEdge: 1550, 1650, 1750, 2450, 2500, 2550 ⁵ , 2600, 2650, 4600, 6400, 6450, 6600, 6650, 8450; PowerVault: 770N, 775N	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

5. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
6. **No EMC Layered Applications supported on IA64 server platforms**
7. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
8. MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
9. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.

Fujitsu Siemens

Fujitsu Siemens – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Primergy: B210, C200, E200, F200, F250 ⁵ , H200, H250 ⁵ , H400, H450, K400, L200, N200, N400, N800, P200, P250, R450, RX100, RX200, RX300, RX600, RX800, T850, TX200, TX300, TX600	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002L-E, LP9802-E	See ¹

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
4. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
5. Must use standard PCI 32bit/33MHz slot for SCSI

HPQ

HPQ – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Proliant 6500 ^{5, 8}	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
2	Proliant BL20p (G2)	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	HPQ Dual-port mezzanine controller card ^{6, 7}	See ¹
3	Proliant: 3000 ⁵ , 7000 ^{5, 8}	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
4	Proliant: 8500, BL40p, DL320 ⁵ , DL360(G2) ⁵ , DL360(G3), DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL560, DL580(G2) ⁵ , DL580(G3), DL580 ⁵ , DL740, DL760 (G2), DL760 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570(G2), ML570 ⁵ , ML750 ⁵	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.

2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
4. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
5. Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
6. Supports BIOS 1.34. Supports SNIA HBA API. Driver and BIOS available at <http://www.qlogic.com>.
7. **Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]**
8. Includes both Pentium PRO and XEON models

IBM

IBM – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	eServer BladeCenter HS20 (Model 8678) ⁷	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ^{3, 10, 11, 12}	HA: 4	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{8, 9}	See ¹
2	xSeries x450	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{10, 11, 12}	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹³
3	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x235, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ⁶ , 24P0960(QLA2340) ⁵ ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
4. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
5. This HBA is equivalent to the qLogic QLA2340.
6. This HBA is equivalent to the qLogic QLA2310.
7. EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
8. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
9. **Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
 10. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
 11. MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
 12. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
 13. **No EMC Layered Applications supported on IA64 server platforms**

NCR

NCR – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Worldmark: 4500, 45xx, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
4. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

NEC

NEC – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Express 5800: 1080Xd, 1160Xd, 1320Xd	Microsoft Windows 2003 64-Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{6, 7, 8}	HA: 4	NEC: NT2007A-A001 ¹⁰ , NT2010A-A001 ⁹	See ⁵

NEC – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
2	Express 5800: 1080Xd, 1160Xd, 1320Xd	Microsoft Windows 2003 64-Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	NEC ClusterPro 7.0		NEC: NT2007A-A001 ¹⁰ , NT2010A-A001 ⁹	See ⁵
3	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	NEC ClusterPro 7.0	HA: 2	NEC N8190-105	
4	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4, 180Rc-4	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- No EMC Layered Applications supported on IA64 server platforms**
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- This HBA is equivalent to the QLogic QLA2340.
- This HBA is equivalent to the Emulex LP982.

Unisys

Unisys – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
2	ES7000/130; ES7000/410; ES7000/420; ES7000/430	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{6, 7, 8}	HA: 4	Emulex: LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP; Unisys FCH742313-P64 (LP9802)	See ⁵
3	ES7000/520; ES7000/530; ES7000/540	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS	HA: 2	Unisys FCH742313-P64 (LP9802)	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- No EMC Layered Applications supported on IA64 server platforms**
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.

Microsoft Windows NT

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- Lost connection to external storage (pulled or damaged cable connection).
 - External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
 - External storage director failures including failed lasers on Fibre Channel directors.
 - External storage power failure.
 - Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
 - Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements.
- Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN. NOTE: Windows NT installation will fail immediately after installing Network Services for hosts that use an Intel Network Interface Card (NIC).

DG

DG – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	AViiON: AV1400, AV2800, AV3704, AV8600	Microsoft Windows NT 4.0 SP6A ^{2, 3}	Microsoft MSCS ^{7, 8}	HA: 2	QLogic QLA2310F-E-SP	See ⁶

DG – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
2	AViiON: AV1400, AV2800, AV3704R, AV8600, AV8900, AV8950R	Microsoft Windows NT 4.0 SP6A ^{2,3}	Microsoft MSCS ^{7,8}	HA: 2	Emulex: LP8000–EMC ⁵ , LP850–EMC	See ^{1,6}
3	AViiON: AV1400, AV2800, AV3704R, AV8600, AV8900, AV8950R	Microsoft Windows NT 4.0 SP6A ^{2,3}	NCR LifeKeeper Windows NT: 1.0 ⁴ , 2.0	HA: 2	Emulex: LP8000–EMC ⁵ , LP850–EMC	See ¹
4	AViiON: AV8900, AV8950R	Microsoft Windows NT 4.0 SP6A ^{2,3}	Microsoft MSCS ^{7,8}	HA: 2	Emulex LP9002–E (LP9002L–E); QLogic QLA2310F–E–SP	See ⁶

1. HP LXR–PRO8 support has been discontinued.
2. Tested with Symmetrix 8000 Series, Connectrix ED–1032 3.0.1, and PowerPath 2.0 and above on each node.
3. EMC recommends that HBAs of different vendors not be used in the same host server.
4. V1.0 is only qualified on Windows NT 4.0 SP3.
5. The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
6. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
7. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
8. MSCS multi cluster configurations supported. If multi–clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.

Dell

Dell – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 2650	Microsoft Windows NT 4.0 SP6A ^{2,6}	Microsoft MSCS ^{4,7}	HA: 2	HPQ: A5246A (Agilent HHBA–5000A) ² , D8602A (Agilent HHBA–5101B) ^{2,11} , D8602B (Agilent HHBA–5101C) ^{2,10} ; QLogic: QLA2100F–EMC, QLA2200F–EMC, QLA2202F–EMC	See ^{1,5}
2	PowerEdge 2650	Microsoft Windows NT 4.0 SP6A ^{2,6}	NCR LifeKeeper Windows NT: 1.0 ⁸ , 2.0	HA: 2	HPQ: A5246A (Agilent HHBA–5000A) ² , D8602A (Agilent HHBA–5101B) ^{2,11} , D8602B (Agilent HHBA–5101C) ^{2,10} ; QLogic: QLA2100F–EMC, QLA2200F–EMC, QLA2202F–EMC	See ⁵
3	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ⁹ , 2600, 2650, 4600, 6300, 6350, 6400, 6450, 6600, 6650, 8450	Microsoft Windows NT 4.0 SP6A ^{2,6}	Microsoft MSCS ^{4,7}	HA: 2	Emulex LP9002–E (LP9002L–E); QLogic QLA2310F–E–SP	See ¹
4	PowerEdge: 1550, 2300, 2400, 2500, 2550 ⁹ , 2600, 6100, 6300, 6350, 6400, 6450, 6600, 6650, 8450	Microsoft Windows NT 4.0 SP6A ^{2,6}	Microsoft MSCS ^{4,7}	HA: 2	Emulex: LP7000E–EMC, LP8000–EMC ¹² , LP850–EMC; HPQ: A5246A (Agilent HHBA–5000A) ² , D8602A (Agilent HHBA–5101B) ^{2,11} , D8602B (Agilent HHBA–5101C) ^{2,10} ; QLogic: QLA2100F–EMC, QLA2200F–EMC, QLA2202F–EMC	See ^{1,5}
5	PowerEdge: 1550, 2300, 2400, 2500, 2550 ⁹ , 2600, 6100, 6300, 6350, 6400, 6450, 6600, 6650, 8450	Microsoft Windows NT 4.0 SP6A ^{2,6}	NCR LifeKeeper Windows NT: 1.0 ⁸ , 2.0	HA: 2	Emulex: LP7000E–EMC, LP8000–EMC ¹² , LP850–EMC; HPQ: A5246A (Agilent HHBA–5000A) ² , D8602A (Agilent HHBA–5101B) ^{2,11} , D8602B (Agilent HHBA–5101C) ^{2,10} ; QLogic: QLA2100F–EMC, QLA2200F–EMC, QLA2202F–EMC	See ⁵
6	PowerEdge: 1650, 1750	Microsoft Windows NT 4.0 SP6A ^{2,6}	Microsoft MSCS ^{4,7}	HA: 2	Emulex: LP7000E–EMC, LP8000–EMC ¹² , LP850–EMC; HPQ: A5246A (Agilent HHBA–5000A) ² , D8602A (Agilent HHBA–5101B) ^{2,11} , D8602B (Agilent HHBA–5101C) ^{2,10} ; QLogic: QLA2200F–EMC, QLA2202F–EMC	See ^{1,5}
7	PowerEdge: 1650, 1750	Microsoft Windows NT 4.0 SP6A ^{2,6}	NCR LifeKeeper Windows NT: 1.0 ⁸ , 2.0	HA: 2	Emulex: LP7000E–EMC, LP8000–EMC ¹² , LP850–EMC; HPQ: A5246A (Agilent HHBA–5000A) ² , D8602A (Agilent HHBA–5101B) ^{2,11} , D8602B (Agilent HHBA–5101C) ^{2,10} ; QLogic: QLA2200F–EMC, QLA2202F–EMC	See ⁵
8	PowerEdge: 2300, 2400, 6100, 6300, 6350, 6400, 8450	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ⁴	HA: 2	Adaptec AHA–2944UW ³	See ¹
9	PowerEdge: 2300, 6100	Microsoft Windows NT 4.0 SP6A ^{2,6}	Microsoft MSCS ^{4,7}	HA: 2	QLogic QLA2310F–E–SP	See ¹

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. **Requires Legacy PCI slot (not available on most new servers.)**
4. MSCS multi cluster configurations supported. If multi–clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
5. HP LXR–PRO8 support has been discontinued.
6. Tested with Symmetrix 8000 Series, Connectrix ED–1032 3.0.1, and PowerPath 2.0 and above on each node.
7. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
8. V1.0 is only qualified on Windows NT 4.0 SP3.
9. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
10. The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
11. (HHBA–5101BK–01)
12. The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.

Fujitsu Siemens

Fujitsu Siemens – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Primergy: B210, C200, E200, F200, F250 ⁵ , H400, H450, K400, L200, N200, N400, N800, P200, P250, RX100	Microsoft Windows NT 4.0 SP6A ^{2,9}	Microsoft MSCS ^{4,8}	HA: 2	Emulex LP8000–EMC ⁷	See ^{1,6}
2	Primergy: B210, C200, E200, F200, F250 ⁵ , H400, H450, K400, L200, N200, N400, N800, P200, P250, RX100	Microsoft Windows NT 4.0 SP6A ^{2,9}	NCR LifeKeeper Windows NT: 1.0 ¹⁰ , 2.0	HA: 2	Emulex LP8000–EMC ⁷	See ⁶
3	Primergy: H250 ⁵ , H400, K400, N400	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ⁴	HA: 2	Adaptec AHA–2944UW ³	See ¹
4	Primergy: H400, H450, K400, N400, N800, R450	Microsoft Windows NT 4.0 SP6A ^{2,9}	Microsoft MSCS ^{4,8}	HA: 2	Emulex LP9002–E (LP9002L–E)	See ¹
5	Primergy: RX200, RX300, RX600, RX800, TX200, TX300, TX600	Microsoft Windows NT 4.0 SP6A ^{2,9}	Microsoft MSCS ^{4,8}	HA: 2	Emulex: LP850–EMC, LP9002DC–E, LP9802–E, LP9802DC–E, LP982–E	See ^{1,6}
6	Primergy: RX200, RX300, RX600, RX800, TX200, TX300, TX600	Microsoft Windows NT 4.0 SP6A ^{2,9}	NCR LifeKeeper Windows NT: 1.0 ¹⁰ , 2.0	HA: 2	Emulex: LP850–EMC, LP9002DC–E, LP9802–E, LP9802DC–E, LP982–E	See ⁶

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Requires Legacy PCI slot (not available on most new servers.)**
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Must use standard PCI 32bit/33MHz slot for SCSI
- HP LXR–PRO8 support has been discontinued.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- Tested with Symmetrix 8000 Series, Connectrix ED–1032 3.0.1, and PowerPath 2.0 and above on each node.
- V1.0 is only qualified on Windows NT 4.0 SP3.

HPQ

HPQ – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	Microsoft Windows NT 4.0 SP6A ^{2,10}	Microsoft MSCS ^{4,9}	HA: 2	Emulex: LP7000E–EMC LP8000–EMC ¹⁵ , LP850–EMC; HPQ: A5246A (Agilent HHBA–5000A) ² , D8602A (Agilent HHBA–5101B) ² , ¹⁴ , D8602B (Agilent HHBA–5101C) ² , ¹³ ; QLLogic: QLA2100F–EMC, QLA2200F–EMC, QLA2202F–EMC	See ^{1,8}
2	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	Microsoft Windows NT 4.0 SP6A ^{2,10}	NCR LifeKeeper Windows NT: 1.0 ¹¹ , 2.0	HA: 2	Emulex: LP7000E–EMC LP8000–EMC ¹⁵ , LP850–EMC; HPQ: A5246A (Agilent HHBA–5000A) ² , D8602A (Agilent HHBA–5101B) ² , ¹⁴ , D8602B (Agilent HHBA–5101C) ² , ¹³ ; QLLogic: QLA2100F–EMC, QLA2200F–EMC, QLA2202F–EMC	See ⁸
3	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 3000 ⁵ , 5500 ^{5,6} , 6400R ⁵ , 7000 ^{5,6} , 8500 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360(G3), DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL560, DL580(G2) ⁵ , DL580(G3), DL580 ⁵ , DL740, DL760 (G2), DL760 ⁵ , ML350 ⁵ , ML370(G2) ⁵ , ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570(G2) ¹⁶ , ML570 ⁵	Microsoft Windows NT 4.0 SP6A ^{2,10}	Microsoft MSCS ^{4,9}	HA: 2	Emulex LP9002–E (LP9002L–E); QLLogic QLA2310F–E–SP	See ¹
4	Netserver LH: (LH Pro), 3000, 4, 6000, II, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5,7} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,6} , 6000 ^{5,6} , 6400R ⁹ , 6500 ^{5,6} , 7000 ^{5,6} , 8000 ^{5,6} , 8500 ⁵ , 850 ⁵	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ⁴	HA: 2	Adaptec AHA–2944UW ³	See ¹
5	Netserver LH: (LH Pro), 3, 3000, 4, 6000, II; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5,7} , 1850 ⁵ , 2500 ⁵ , 5000 ⁵ , 6000 ^{5,6} , 6500 ^{5,6} , 8000 ^{5,6} , 850 ⁵	Microsoft Windows NT 4.0 SP6A ^{2,10}	Microsoft MSCS ^{4,9}	HA: 2	QLLogic QLA2310F–E–SP	See ¹
6	Proliant 1600 ^{5,7}	Microsoft Windows NT 4.0 SP6A ^{2,10}	Microsoft MSCS ^{4,9}	HA: 2	Emulex: LP7000E–EMC LP8000–EMC ¹⁵ , LP850–EMC; HPQ: 176479–B21, A5246A (Agilent HHBA–5000A) ² ; QLLogic: QLA2100F–EMC, QLA2200F–EMC, QLA2202F–EMC	See ^{1,8}

HPQ – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
7	Proliant 1600 ^{5,7}	Microsoft Windows NT 4.0 SP6A ^{2,10}	NCR LifeKeeper Windows NT: 1.0 ¹¹ , 2.0	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ¹⁵ , LP850-EMC; HPQ: 176479-B21, A5246A (Agilent HHBA-5000A) ² ; QLogic: QLA2100F-EMC, QLA2200F-EMC, QLA2202F-EMC	See ⁸
8	Proliant DL380(G3)	Microsoft Windows NT 4.0 SP6A ^{2,10}	Microsoft MSCS ^{4,9}	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ¹⁵ , LP850-EMC; HPQ 176479-B21; QLogic: QLA2100F-EMC, QLA2200F-EMC, QLA2202F-EMC	See ^{1,8}
9	Proliant DL380(G3)	Microsoft Windows NT 4.0 SP6A ^{2,10}	NCR LifeKeeper Windows NT: 1.0 ¹¹ , 2.0	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ¹⁵ , LP850-EMC; HPQ 176479-B21; QLogic: QLA2100F-EMC, QLA2200F-EMC, QLA2202F-EMC	See ⁸
10	Proliant DL560	Microsoft Windows NT 4.0 SP6A ^{2,10}	Microsoft MSCS ^{4,9}	HA: 2	Emulex: LP8000-EMC ¹⁵ , LP850-EMC; QLogic QLA2200F-EMC	See ^{1,8}
11	Proliant DL560	Microsoft Windows NT 4.0 SP6A ^{2,10}	NCR LifeKeeper Windows NT: 1.0 ¹¹ , 2.0	HA: 2	Emulex: LP8000-EMC ¹⁵ , LP850-EMC; QLogic QLA2200F-EMC	See ⁸
12	Proliant DL740	Microsoft Windows NT 4.0 SP6A ^{2,10}	Microsoft MSCS ^{4,9}	HA: 2	Emulex: LP8000-EMC ¹⁵ , LP850-EMC; QLogic: QLA2200F-EMC, QLA2202F-EMC	See ^{1,8}
13	Proliant DL740	Microsoft Windows NT 4.0 SP6A ^{2,10}	NCR LifeKeeper Windows NT: 1.0 ¹¹ , 2.0	HA: 2	Emulex: LP8000-EMC ¹⁵ , LP850-EMC; QLogic: QLA2200F-EMC, QLA2202F-EMC	See ⁸
14	Proliant: 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,6} , 6000 ^{5,6} , 6400R ⁵ , 6500 ^{5,6} , 7000 ^{5,6} , 8000 ^{5,6} , 8500 ⁵ , 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360(G3), DL360 ⁵ , DL380(G2) ⁵ , DL380 ⁵ , DL580(G2) ⁵ , DL580(G3), DL580 ⁵ , DL760 (G2), DL760 ⁵ , ML350 ⁵ , ML370(G2) ⁵ , ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570(G2) ¹⁶ , ML570 ⁵ , ML750 ¹²	Microsoft Windows NT 4.0 SP6A ^{2,10}	Microsoft MSCS ^{4,9}	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ¹⁵ , LP850-EMC; HPQ: 176479-B21, A5246A (Agilent HHBA-5000A) ² , D8602A (Agilent HHBA-5101B) ^{2,14} , D8602B (Agilent HHBA-5101C) ^{2,13} ; QLogic: QLA2100F-EMC, QLA2200F-EMC, QLA2202F-EMC	See ^{1,8}
15	Proliant: 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,6} , 6000 ^{5,6} , 6400R ⁵ , 6500 ^{5,6} , 7000 ^{5,6} , 8000 ^{5,6} , 8500 ⁵ , 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360(G3), DL360 ⁵ , DL380(G2) ⁵ , DL380 ⁵ , DL580(G2) ⁵ , DL580(G3), DL580 ⁵ , DL760 (G2), DL760 ⁵ , ML350 ⁵ , ML370(G2) ⁵ , ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570(G2) ¹⁶ , ML570 ⁵ , ML750 ¹²	Microsoft Windows NT 4.0 SP6A ^{2,10}	NCR LifeKeeper Windows NT: 1.0 ¹¹ , 2.0	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ¹⁵ , LP850-EMC; HPQ: 176479-B21, A5246A (Agilent HHBA-5000A) ² , D8602A (Agilent HHBA-5101B) ^{2,14} , D8602B (Agilent HHBA-5101C) ^{2,13} ; QLogic: QLA2100F-EMC, QLA2200F-EMC, QLA2202F-EMC	See ⁸

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.

2. EMC recommends that HBAs of different vendors not be used in the same host server.

3. **Requires Legacy PCI slot (not available on most new servers.)**

4. MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.

5. Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.

6. Includes both Pentium PRO and XEON models

7. This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.

8. HP LXR-PRO8 support has been discontinued.
9. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
10. Tested with Symmetrix 8000 Series, Connectrix ED-1032 3.0.1, and PowerPath 2.0 and above on each node.
11. V1.0 is only qualified on Windows NT 4.0 SP3.
12. HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
13. The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
14. (HHBA-5101BK-01)
15. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
16. Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).

IBM

IBM – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁵ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x350 (6000R), x360, x370	Microsoft Windows NT 4.0 SP6A ^{2, 8}	NCR LifeKeeper Windows NT: 1.0 ⁷ , 2.0	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC; IBM: 00N6881 (QLA2200) ^{10, 11} , 19K1246(QLA2310) ¹³ , 24P0960(QLA2340) ¹⁴ ; QLogic: QLA2200F-EMC, QLA2202F-EMC	See ⁶
2	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁵ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x350 (6000R), x370	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ⁴	HA: 2	Adaptec AHA-2944UW ³	See ¹
3	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁵ , 7100, 7600, 8500R; xSeries: X335, X340 (4500R), x250, x350 (6000R), x370	Microsoft Windows NT 4.0 SP6A ^{2, 8}	Microsoft MSCS ^{4, 12}	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC; IBM 00N6881 (QLA2200) ^{10, 11} ; QLogic: QLA2200F-EMC, QLA2202F-EMC	See ^{1, 6}
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ⁵ , 7100	Microsoft Windows NT 4.0 SP6A ^{2, 8}	Microsoft MSCS ^{4, 12}	HA: 2	IBM: 19K1246(QLA2310) ¹³ , 24P0960(QLA2340) ¹⁴ ; QLogic QLA2310F-E-SP	See ¹
5	Netfinity: 5600, 7600, 8500R; xSeries: X335, X340 (4500R), x250, x350 (6000R), x370	Microsoft Windows NT 4.0 SP6A ^{2, 8}	Microsoft MSCS ^{4, 12}	HA: 2	Emulex LP9002-E (LP9002L-E); IBM: 19K1246(QLA2310) ¹³ , 24P0960(QLA2340) ¹⁴ ; QLogic QLA2310F-E-SP	See ¹
6	Netfinity: 6000R, 8500; xSeries: x440, x445	Microsoft Windows NT 4.0 SP6A ^{2, 8}	Microsoft MSCS ^{4, 12}	HA: 2	Emulex LP9002-E (LP9002L-E); IBM: 00N6881 (QLA2200) ¹¹ , 19K1246(QLA2310) ¹³ , 24P0960(QLA2340) ¹⁴ ; QLogic QLA2310F-E-SP	See ¹
7	xSeries: X330, X342, x230, x240, x360	Microsoft Windows NT 4.0 SP6A ^{2, 8}	Microsoft MSCS ^{4, 12}	HA: 2	Emulex LP9002-E (LP9002L-E); QLogic QLA2310F-E-SP	See ¹
8	xSeries: X330, X342, x230, x240, x360	Microsoft Windows NT 4.0 SP6A ^{2, 8}	Microsoft MSCS ^{4, 12}	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ⁹ , LP850-EMC; IBM: 00N6881 (QLA2200) ^{10, 11} , 19K1246(QLA2310) ¹³ , 24P0960(QLA2340) ¹⁴ ; QLogic: QLA2200F-EMC, QLA2202F-EMC	See ^{1, 6}

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. **Requires Legacy PCI slot (not available on most new servers.)**
4. MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
5. This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
6. HP LXR-PRO8 support has been discontinued.
7. V1.0 is only qualified on Windows NT 4.0 SP3.
8. Tested with Symmetrix 8000 Series, Connectrix ED-1032 3.0.1, and PowerPath 2.0 and above on each node.
9. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
10. For IBM Netfinity and xSeries Intel servers only.
11. (QLA2200) For IBM xSeries and Netfinity servers only.
12. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
13. This HBA is equivalent to the qLogic QLA2310.
14. This HBA is equivalent to the qLogic QLA2340.

NCR

NCR – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Worldmark: 4300, 4380, 4400	Microsoft Windows NT 4.0 SP6A ²	NCR LifeKeeper Windows NT: 1.0 ⁶ , 2.0	HA: 16	NCR: 53C720-Q720, PQS2.1	See ⁵
2	Worldmark: 4300, 4380, 4400	Microsoft Windows NT 4.0 SP6A ^{2, 8}	Microsoft MSCS ^{4, 9}	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ¹² , LP850-EMC; HPQ: A5246A (Agilent HHBA-5000A) ² , D8602A (Agilent HHBA-5101B) ^{2, 11} , D8602B (Agilent HHBA-5101C) ^{2, 10} ; QLogic: QLA2100F-EMC, QLA2200F-EMC, QLA2202F-EMC	See ^{1, 7}
3	Worldmark: 4300, 4380, 4400	Microsoft Windows NT 4.0 SP6A ^{2, 8}	Microsoft MSCS ^{4, 9}	HA: 2	QLogic QLA2310F-E-SP	See ¹
4	Worldmark: 4300, 4380, 4400	Microsoft Windows NT 4.0 SP6A ^{2, 8}	NCR LifeKeeper Windows NT: 1.0 ⁶ , 2.0	HA: 2	Emulex: LP7000E-EMC, LP8000-EMC ¹² , LP850-EMC; HPQ: A5246A (Agilent HHBA-5000A) ² , D8602A (Agilent HHBA-5101B) ^{2, 11} , D8602B (Agilent HHBA-5101C) ^{2, 10} ; QLogic: QLA2100F-EMC, QLA2200F-EMC, QLA2202F-EMC	See ⁷
5	Worldmark: 4300, 4380, 4400, 47XX, 48XX, 52XX	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ⁴	HA: 2	Adaptec AHA-2944UW ³	See ¹

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. **Requires Legacy PCI slot (not available on most new servers.)**
4. MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
5. Multi-port SCSI.
6. V1.0 is only qualified on Windows NT 4.0 SP3.

7. HP LXR-PRO8 support has been discontinued.
8. Tested with Symmetrix 8000 Series, Connectrix ED-1032 3.0.1, and PowerPath 2.0 and above on each node.
9. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
10. The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
11. (HHBA-5101BK-01)
12. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

NEC

NEC – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Rc-4	Microsoft Windows NT 4.0 SP6A ^{2,3}	NEC ClusterPro 6.0	HA: 2	Emulex LP850-EMC; NEC: N8190-105, N8503-200	See ¹
2	Express 5800: 140Hb, 140Ra-4	Microsoft Windows NT 4.0 SP6A ^{2,3}	Microsoft MSCS ^{5,6}	HA: 2	Emulex LP9002-E (LP9002L-E); NEC N8190-105; QLogic QLA2310F-E-SP	See ⁴

1. HP LXR-PRO8 support has been discontinued.
2. Tested with Symmetrix 8000 Series, Connectrix ED-1032 3.0.1, and PowerPath 2.0 and above on each node.
3. EMC recommends that HBAs of different vendors not be used in the same host server.
4. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
5. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
6. MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.

Unisys

Unisys – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	DR/2; DS/2; ES2023; ES2024; ES2025; ES2043; ES2044; ES2045; ES2085; ES5024; ES5043; ES5044; ES5045; ES5085; HR/6 ⁵ ; HS/6; QR/2; QS/2; XR/6 ⁵ ; XS/6	Microsoft Windows NT 4.0 SP6A ³	Microsoft MSCS ⁴	HA: 2	Unisys PCI 400-1UD (AHA2944UW)	See ^{1,2}
2	DR/2; DS/2; QR/2; QS/2	Microsoft Windows NT 4.0 SP6A ^{3,7}	Microsoft MSCS ^{4,6}	HA: 2	Unisys: FCH720111-P64 (LP8000-D1) ³ , FCH720113-P64 (LP8000-EMC, LP8000-F1) ³ , PCI 1100-FC (QLA2100), PCI 1120-FC (QLA2100-EMC, QLA2100F)	See ^{2,8}
3	ES2024; ES2025; ES2043; ES2045; ES2085; ES5024; ES5043; ES5044; ES5045; ES5085; ES7000/100; ES7000/200; ES7000/230	Microsoft Windows NT 4.0 SP6A ^{3,7}	Microsoft MSCS ^{4,6}	HA: 2	Unisys: FCH720111-P64 (LP8000-D1) ³ , FCH720113-P64 (LP8000-EMC, LP8000-F1) ³	See ^{2,8}

1. Multi-port SCSI.
2. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
3. EMC recommends that HBAs of different vendors not be used in the same host server.
4. MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
5. These servers are not supported on Symmetrix 5.0.
6. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
7. Tested with Symmetrix 8000 Series, Connectrix ED-1032 3.0.1, and PowerPath 2.0 and above on each node.
8. HP LXR-PRO8 support has been discontinued.

NCR UNIX SVR4 MPRAS NCR

NCR – NCR UNIX SVR4 MPRAS						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Worldmark 5150	NCR UNIX SVR4 MPRAS 3.02	NCR Teradata DBS V2R3 ³	HA: 128 ⁶	NCR: HP-PQS, PQS2.1	See ^{1,4}
2	Worldmark 5150	NCR UNIX SVR4 MPRAS 3.02	NCR Teradata DBS V2R4.1 ³	HA: 128 ⁶	NCR HP-PQS	See ^{1,4}
3	Worldmark 52XX	NCR UNIX SVR4 MPRAS 3.02	NCR Teradata DBS V2R3 ³	HA: 128 ⁶	NCR HP-PQS	See ^{1,4}
4	Worldmark 52XX	NCR UNIX SVR4 MPRAS 3.02	NCR Teradata DBS V2R4.1 ³	HA: 128 ⁶	NCR: HP-PQS, PQS2.1	See ^{1,4}
5	Worldmark: 45xx, 4700, 48XX, 5100 Series	NCR UNIX SVR4 MPRAS 3.02	NCR Teradata DBS: V2R3 ³ , V2R4.1 ³	OPS: 8	NCR HP-PQS	See ^{1,4}
6	Worldmark: 45xx, 4700, 48XX, 5100 Series, 5150, 52XX	NCR UNIX SVR4 MPRAS 3.02	NCR LifeKeeper FRS V1.0.2 ³	OPS: 4	NCR: 53C720-Q720, PQS2.0, PQS2.1	See ^{1,2}

NCR – NCR UNIX SVR4 MPRAS						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
7	Worldmark: 45xx, 4700, 48XX, 5100 Series, 5150, 52XX	NCR UNIX SVR4 MPRAS 3.02	NCR Teradata DBS V2R2.02 ³	OPS: 8	NCR: 53C720–Q720, PQS2.0, PQS2.1	See ^{1, 4}
8	Worldmark: 45xx, 4700, 5100 Series, 5150	NCR UNIX SVR4 MPRAS 3.02	NCR LifeKeeper FRS V2.0 ³	OPS: 4	NCR 53C720–Q720	See ^{1, 4}
9	Worldmark: 45xx, 4700, 5100 Series, 5150	NCR UNIX SVR4 MPRAS 3.02	NCR LifeKeeper FRS V2.0 ³	OPS: 4	NCR: PQS2.0, PQS2.1	See ¹
10	Worldmark: 48XX, 52XX	NCR UNIX SVR4 MPRAS 3.02	NCR LifeKeeper FRS V2.0 ³	HA: 16	NCR PQS2.1	See ^{1, 5}
11	Worldmark: 48XX, 52XX	NCR UNIX SVR4 MPRAS 3.02	NCR LifeKeeper FRS V2.0 ³	OPS: 4	NCR: 53C720–Q720, PQS2.0	See ^{1, 4}
12	Worldmark: 4900, 5300	NCR UNIX SVR4 MPRAS 3.02	NCR Teradata DBS V2R4.1 ³	HA: 512	QLogic QLA2204F ⁷	
13	Worldmark: 4950, 5350	NCR UNIX SVR4 MPRAS 3.02	NCR TW 7.0 version V2R5.0		LSI ITI7004G2 ⁸ , QLogic QLA2204F ⁷	
14	Worldmark: 4980, 5380	NCR UNIX SVR4 MPRAS 3.02	NCR TW 7.0 version V2R5.0		LSI ITI7004G2⁸	

1. Shared SCSI bus required for SCSI Ping
2. Common SCSI Bus.
3. All Symmetrix configurations intended for MPP Teradata attach must be approved by Engineering.
4. Multi-port SCSI.
5. Multi-port SCSI or Common SCSI Bus.
6. Teradata
7. Packages PKERN302 and PS MBAS302 available from NCR.
8. Requires package PSCSI302 Ver.02.10.10.09 or higher available from NCR.

Novell Netware Dell

Dell – Novell Netware					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁴ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Netware 5.10: SP5 ^{1, 6, 7} , SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic QLA2202F–EMC ^{8, 9}
2	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁴ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Netware 6.0: SP1 ^{1, 5, 6, 7} , SP2 ^{1, 5, 6, 7} , SP3 ⁵ ; Novell Netware 6.5 ^{5, 10}	Novell Netware Cluster Services Server (NCS) v1.6		QLogic: QLA2200F–EMC ⁸ , QLA2310F–E–SP, QLA2340–E–SP
3	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁴ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Netware 6.5 ^{5, 10}	Novell Netware Cluster Services Server (NCS) v1.7		QLogic: QLA2200F–EMC ⁸ , QLA2310F–E–SP, QLA2340–E–SP
4	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁴ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Netware: 5.00 SP6A ^{1, 3} , 5.10 SP2A ¹	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic QLA2202F–EMC
5	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁴ , 2600, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Netware: 5.00 SP6A ^{1, 3} , 5.10 SP2A ¹ , 5.10 SP5 ^{1, 6, 7} , 5.10 SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 4	Adaptec AHA–2944UW ² , QLogic QLA1041D
6	PowerEdge: 1550, 2300, 2400, 2450, 2500, 2550 ⁴ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Netware: 5.00 SP6A ^{1, 3} , 5.10 SP2A ¹ , 5.10 SP5 ^{1, 6, 7} , 5.10 SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic: QLA2100F–EMC, QLA2200F–EMC, QLA2310F–E–SP, QLA2340–E–SP
7	PowerEdge: 1650, 1750	Novell Netware: 5.00 SP6A ^{1, 3} , 5.10 SP2A ¹ , 5.10 SP5 ^{1, 6, 7} , 5.10 SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic: QLA2200F–EMC, QLA2310F–E–SP, QLA2340–E–SP

1. Maximum number of NWFS volumes that can be mounted is 64.
2. **Requires Legacy PCI slot (not available on most new servers.)**
3. Requires NWPA.NLM V.3.07A update from Novell website.
4. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
5. **NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
6. Novell Storage Services supported.
7. Powerpath & ATF supported.
8. **Requires HBA firmware 1.79.**
9. EMC recommends that HBAs of different vendors not be used in the same host server.
10. **Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**

Fujitsu Siemens

Fujitsu Siemens – Novell Netware					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	Primergy: 700, H250 ³ , H400, K400, N400, N800	Novell Netware 6.0: SP1 ^{1, 4, 5, 6} , SP2 ^{1, 4, 5, 6} , SP3 ⁴ ; Novell Netware 6.5 ^{4, 8}	Novell Netware Cluster Services Server (NCS) v1.6		QLogic: QLA2200F–EMC ⁷ , QLA2310F–E–SP, QLA2340–E–SP
2	Primergy: 700, H250 ³ , H400, K400, N400, N800	Novell Netware 6.5 ^{4, 8}	Novell Netware Cluster Services Server (NCS) v1.7		QLogic: QLA2200F–EMC ⁷ , QLA2310F–E–SP, QLA2340–E–SP
3	Primergy: 700, H250 ³ , H400, K400, N400, N800	Novell Netware: 5.00 SP6A ^{1, 2} , 5.10 SP2A ¹ , 5.10 SP5 ^{1, 5, 6} , 5.10 SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic QLA2200F–EMC

1. Maximum number of NWFS volumes that can be mounted is 64.
2. Requires NWPA.NLM V.3.07A update from Novell website.
3. Must use standard PCI 32bit/33MHz slot for SCSI
4. **NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
5. Novell Storage Services supported.
6. Powerpath & ATF supported.
7. **Requires HBA firmware 1.79.**
8. **Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**

HPQ

HPQ – Novell Netware					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 6000; Netserver: LP 2000r, LT 6000R; Proliant: 1600 ^{5,7} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,6} , 6000 ^{5,6} , 6400R ⁵ , 6500 ^{5,6} , 7000 ^{5,6} , 8000 ^{5,6} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360(G3), DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580(G3), DL580 ⁵ , DL760 (G2), DL760 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570(G2) ¹⁶ , ML570 ⁵ , ML750 ⁴	Novell Netware: 5.00 SP6A ^{1,2} , 5.10 SP2A ² , 5.10 SP5 ² , 12, 13, 5.10 SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 4	Adaptec AHA-2944UW ³ ; QLogic QLA1041D
2	Netserver LC: 2000 U3 ¹⁵ , 2000r ¹⁵ ; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5,7} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,6} , 6000 ^{5,6} , 6400R ⁵ , 6500 ^{5,6} , 7000 ^{5,6} , 8000 ^{5,6} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360(G3), DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL560, DL580(G2) ⁵ , DL580(G3), DL580 ⁵ , DL740, DL760 (G2), DL760 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570(G2) ¹⁶ , ML570 ⁵ , ML750 ⁴	Novell Netware: 5.10: SP5 ² , 12, 13, SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic QLA2202F-EMC ⁹ , 14
3	Netserver LC: 2000 U3 ¹⁵ , 2000r ¹⁵ ; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5,7} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,6} , 6000 ^{5,6} , 6400R ⁵ , 6500 ^{5,6} , 7000 ^{5,6} , 8000 ^{5,6} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360(G3), DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL560, DL580(G2) ⁵ , DL580(G3), DL580 ⁵ , DL760 (G2), DL760 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570(G2) ¹⁶ , ML570 ⁵ , ML750 ⁴	Novell Netware: 5.00 SP6A ^{1,2} , 5.10 SP2A ²	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic QLA2202F-EMC
4	Netserver LC: 2000 U3 ¹⁵ , 2000r ¹⁵ ; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5,7} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,6} , 6000 ^{5,6} , 6400R ⁵ , 6500 ^{5,6} , 7000 ^{5,6} , 8000 ^{5,6} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360(G3), DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL560, DL580(G2) ⁵ , DL580(G3), DL580 ⁵ , DL760 (G2), DL760 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570(G2) ¹⁶ , ML570 ⁵ , ML750 ⁴	Novell Netware: 5.00 SP6A ^{1,2} , 5.10 SP2A ² , 5.10 SP5 ² , 12, 13, 5.10 SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic: QLA2100F-EMC, QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP
5	Netserver LH: (LH Pro), 4, II, III; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	Novell Netware: 5.00 SP6A ^{1,2} , 5.10 SP2A ² , 5.10 SP5 ² , 12, 13	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	HPQ D8602A (Agilent HHBA-5101B) ^{8,9}
6	Netserver LH: (LH Pro), 4, II, III; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	Novell Netware: 5.00 SP6A ^{1,2} , 5.10 SP2A ² , 5.10 SP5 ² , 12, 13, 5.10 SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 4	Adaptec AHA-2944UW ³ ; HPQ A5252A ¹⁰ ; QLogic QLA1041D
7	Netserver: LC 2000 U3, LH (LH Pro), LH 3, LH 3000, LH 4, LH 6000, LH II, LH III, LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5,7} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,6} , 6000 ^{5,6} , 6400R ⁵ , 6500 ^{5,6} , 7000 ^{5,6} , 8000 ^{5,6} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360(G3), DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL560, DL580(G2) ⁵ , DL580(G3), DL580 ⁵ , DL740, DL760 (G2), DL760 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570(G2) ¹⁶ , ML570 ⁵	Novell Netware 6.5 ^{11,17}	Novell Netware Cluster Services Server (NCS) v1.7		QLogic: QLA2200F-EMC ¹⁴ , QLA2310F-E-SP, QLA2340-E-SP
8	Netserver: LC 2000 U3, LH (LH Pro), LH 3, LH 3000, LH 4, LH 6000, LH II, LH III, LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5,7} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,6} , 6000 ^{5,6} , 6400R ⁵ , 6500 ^{5,6} , 7000 ^{5,6} , 8000 ^{5,6} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360(G3), DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL560, DL580(G2) ⁵ , DL580(G3), DL580 ⁵ , DL740, DL760 (G2), DL760 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570(G2) ¹⁶ , ML570 ⁵	Novell Netware 6.0: SP ^{1,2} , 11, 12, 13, SP2 ² , 11, 12, 13, SP3 ¹¹ ; Novell Netware 6.5 ^{11,17}	Novell Netware Cluster Services Server (NCS) v1.6		QLogic: QLA2200F-EMC ¹⁴ , QLA2310F-E-SP, QLA2340-E-SP
9	Proliant DL740	Novell Netware 5.10 SP2A ²	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic QLA2202F-EMC
10	Proliant DL740	Novell Netware 5.10: SP2A ² , SP5 ² , 12, 13, SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP
11	Proliant: DL380(G3), ML370(G3)	Novell Netware 6.0: SP ^{1,2} , 11, 12, 13, SP2 ² , 11, 12, 13, SP3 ¹¹ ; Novell Netware 6.5 ^{11,17}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic: QLA2200F-EMC ¹⁴ , QLA2310F-E-SP, QLA2340-E-SP

- Requires NWPA.NLM V.3.07A update from Novell website.
- Maximum number of NWFS volumes that can be mounted is 64.
- Requires Legacy PCI slot (not available on most new servers.)
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Includes both Pentium PRO and XEON models
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- (HHBA-5101BK-01)
- EMC recommends that HBAs of different vendors not be used in the same host server.
- (Adaptec AHA-2944UW)
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- Novell Storage Services supported.
- Powerpath & ATF supported.
- Requires HBA firmware 1.79.
- HP NetServer LC2000 is only supported with two processors. Uni-Processor configurations are not supported
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.

IBM

IBM – Novell Netware					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	Netfinity 8500R	Novell Netware 5.10: SP2A ¹ , SP5 ^{1,6} , 7, SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 4	Adaptec AHA-2944UW ²
2	Netfinity 8500R	Novell Netware: 5.00 SP6A ^{1,3} , 5.10 SP5 ^{1,6,7} , 5.10 SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 4	QLogic QLA1041D

IBM – Novell Netware					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
3	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x255, x350 (6000R), x360, x370, x440, x445	Novell Netware 5.10: SP5 ^{1, 6, 7} , SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic QLA2202F-EMC ^{8, 9}
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x255, x350 (6000R), x360, x370, x440, x445	Novell Netware: 5.00 SP6A ^{1, 3} , 5.10 SP2A ¹	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic QLA2202F-EMC
5	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x255, x350 (6000R), x360, x370, x440, x445	Novell Netware: 5.00 SP6A ^{1, 3} , 5.10 SP2A ¹ , 5.10 SP5 ^{1, 6, 7} , 5.10 SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic: QLA2100F-EMC, QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP
6	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x350 (6000R), x360, x370, x440, x445	Novell Netware 6.0: SP1 ^{1, 5, 6, 7} , SP2 ^{1, 5, 6, 7} , SP3 ⁵ ; Novell Netware 6.5 ^{5, 10}	Novell Netware Cluster Services Server (NCS) v1.6		QLogic: QLA2200F-EMC ⁸ , QLA2310F-E-SP, QLA2340-E-SP
7	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x350 (6000R), x360, x370, x440, x445	Novell Netware 6.5 ^{5, 10}	Novell Netware Cluster Services Server (NCS) v1.7		QLogic: QLA2200F-EMC ⁸ , QLA2310F-E-SP, QLA2340-E-SP
8	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁴ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x350 (6000R), x360, x370, x440, x445	Novell Netware: 5.00 SP6A ^{1, 3} , 5.10 SP2A ¹ , 5.10 SP5 ^{1, 6, 7} , 5.10 SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 4	Adaptec AHA-2944UW ² ; QLogic QLA1041D
9	xSeries x255	Novell Netware: 5.00 SP6A ^{1, 3} , 5.10 SP2A ¹ , 5.10 SP5 ^{1, 6, 7} , 5.10 SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 4	QLogic QLA1041D
10	xSeries X335	Novell Netware 5.10: SP5 ^{1, 6, 7} , SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic: QLA2310F-E-SP, QLA2340-E-SP
11	xSeries X335	Novell Netware 6.0: SP1 ^{1, 5, 6, 7} , SP2 ^{1, 5, 6, 7} , SP3 ⁵ ; Novell Netware 6.5 ^{5, 10}	Novell Netware Cluster Services Server (NCS) v1.6		QLogic: QLA2310F-E-SP, QLA2340-E-SP
12	xSeries X335	Novell Netware 6.5 ^{5, 10}	Novell Netware Cluster Services Server (NCS) v1.7		QLogic: QLA2310F-E-SP, QLA2340-E-SP

- Maximum number of NWFS volumes that can be mounted is 64.
- Requires Legacy PCI slot (not available on most new servers.)
- Requires NWPA.NLM V.3.07A update from Novell website.
- This server only supports 5 Volt HBAs: QLogic 22XX family (if applicable), QLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- Novell Storage Services supported.
- Powerpath & ATF supported.
- Requires HBA firmware 1.79.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.

Red Hat Linux Dell

Dell – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge: 1650 ^{6, 7} , 1750, 2600 ^{6, 7} , 2650 ^{6, 7} , 4600 ^{6, 7} , 6450 ^{6, 7} , 6600 ^{6, 7} , 6650 ^{6, 7}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 3, 4, 5}	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic: QLA2310F-E-SP ¹ , QLA2340-E-SP ¹	
2	PowerEdge: 1650 ^{6, 7} , 1750, 2600 ^{6, 7} , 2650 ^{6, 7} , 4600 ^{6, 7} , 6450 ^{6, 7} , 6600 ^{6, 7} , 6650 ^{6, 7}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3, 9} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ⁸	RAC: 8	QLogic QLA2342-E-SP ^{1, 11}	
3	PowerEdge: 1650 ^{6, 7} , 1750, 2600 ^{6, 7} , 4600 ^{6, 7} , 6450 ^{6, 7}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{3, 9}	Veritas Cluster Server (VCS) 2.0 ^{12, 13, 14}	HA: 8	QLogic QLA2340-E-SP ¹	
4	PowerEdge: 1650 ^{6, 7} , 1750, 2600 ^{6, 7} , 4600 ^{6, 7} , 6450 ^{6, 7}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3, 9, 10} , v2.4.9-E.12 ^{3, 9}	Oracle 9i RAC 9.2.0.1.0 ⁸	RAC: 8	QLogic QLA2340-E-SP ¹	
5	PowerEdge: 1650 ^{6, 7} , 1750, 2600 ^{6, 7} , 4600 ^{6, 7} , 6450 ^{6, 7}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3, 9, 10} , v2.4.9-E.12 ^{3, 9} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ⁸	RAC: 8	QLogic QLA2310F-E-SP ¹	
6	PowerEdge: 1650 ^{6, 7} , 1750, 2600 ^{6, 7} , 4600 ^{6, 7} , 6450 ^{6, 7}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3, 9} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{12, 13, 14}	HA: 8	QLogic: QLA2310F-E-SP ¹ , QLA2342-E-SP ^{1, 11}	
7	PowerEdge: 1650 ^{6, 7} , 1750, 2600 ^{6, 7} , 4600 ^{6, 7} , 6450 ^{6, 7}	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ⁸	RAC: 8	QLogic QLA2340-E-SP ¹	See ¹⁶
8	PowerEdge: 1650 ^{6, 7} , 1750, 2600 ^{6, 7} , 4600 ^{6, 7} , 6450 ^{6, 7}	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{12, 13, 14}	HA: 8	QLogic QLA2340-E-SP ¹	See ¹⁶
9	PowerEdge: 1750, 2600, 4600, 6450, 8450	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 15} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 15} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP	See ¹⁶
10	PowerEdge: 1750, 2600, 4600, 6450, 8450	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 15} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 15} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2342-E-SP	
11	PowerEdge: 2650, 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 15} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 15} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic: QLA2340-E-SP, QLA2342-E-SP	

Dell – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
12	PowerEdge: 2650 ^{6,7} , 6600 ^{6,7} , 6650 ^{6,7}	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{3,9,10} , v2.4.9–E.12 ^{3,9} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ⁸	RAC: 8	QLogic: QLA2310F–E–SP ¹ , QLA2340–E–SP ¹	
13	PowerEdge: 2650 ^{6,7} , 6600 ^{6,7} , 6650 ^{6,7}	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{3,9} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Veritas Cluster Server (VCS) 2.0 ^{12,13,14}	HA: 8	QLogic: QLA2310F–E–SP ¹ , QLA2340–E–SP ¹ , QLA2342–E–SP ^{1,11}	

- Host must be offline for interfamily Symmetrix microcode upgrade.
- Watchdog Timer should be disabled in ocmargs.ora
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supported with QLogic driver v6.05.00.
- Supported with QLogic driver v6.04.02.
- QLogic driver is available with Dell/Oracle CC kit.
- An RPM from Dell may be used to install the QLogic v6.X driver. RPM may be obtained from the QLogic website.
- Oracle Cluster File System v1.x supported with Linux v2.4.9–E9, E10, E12, E16, E24, E25.
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- OCFS (Oracle Cluster File System) is supported. Requires patch mount–2.11g–6i386.rpm (ocfs mount support).
- Driver v6.04.00 or above must be used with Qlogic HBAs for direct attach configurations.
- GAB disks (membership and service group heartbeat disks) are not supported.
- When VxVM is used, EMC recommends VxVM 3.2 update 2, VxFS 3.4 update 1 and above.
- Review single attach VxVM notes for PowerPath and DMP restrictions.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.

Fujitsu Siemens

Fujitsu Siemens – Red Hat Linux				
No.	Host System	Operating System	Cluster Software	Host Bus Adapter
1	Primergy: B210, C200, E200, F200, F250 ⁵ , H200, H250 ⁵ , H400, H450, K400, L200, N200, N800, P200, P250, R450, RX100, RX200, RX300, RX600, RX800, T850, TX200, TX300, TX600	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{1,2} , v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.16 ^{1,2} , v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Fujitsu Siemens PRIMECLUSTER 4.0a2	Emulex LP9802–E ³
2	Primergy: B210, C200, E200, F200, F250 ⁵ , H200, H250 ⁵ , H400, H450, K400, L200, N200, N800, P200, P250, R450, RX100, RX200, RX300, RX600, RX800, T850, TX200, TX300, TX600	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Fujitsu Siemens PRIMECLUSTER 4.0a2	Emulex LP982–E ^{6,7,8,9,10,11}
3	Primergy: B210, C200, E200, F200, F250 ⁵ , H200, H250 ⁵ , H400, H450, K400, L200, N200, N800, P200, P250, R450, RX200, RX300, T850, TX200, TX300	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{1,2} , v2.4.9–e.24 ² , v2.4.9–e.25 ^{2,4} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.16 ^{1,2} , v2.4.9–e.24 ² , v2.4.9–e.25 ^{2,4} , v2.4.9–e.27	Fujitsu Siemens PRIMECLUSTER 4.0a2	QLogic QLA2200F–EMC
4	Primergy: B210, C200, E200, F200, F250 ⁵ , H200, H250 ⁵ , H400, H450, K400, L200, N200, N800, P200, P250, R450, RX200, RX300, T850, TX200, TX300	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{1,2} , v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.16 ^{1,2} , v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Fujitsu Siemens PRIMECLUSTER 4.0a2	Emulex LP9002–E (LP9002L–E) ³
5	Primergy: RX100, RX600, RX800, TX600	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{1,2} , v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.16 ^{1,2} , v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Fujitsu Siemens PRIMECLUSTER 4.0a2	Emulex LP9002–E (LP9002L–E) ³ ; QLogic QLA2200F–EMC

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- Must use standard PCI 32bit/33MHz slot for SCSI
- Single HBA zoning is required regardless of the switch being utilized.**
- Host must be offline for interfamily Symmetrix microcode upgrade.**
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.**
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.**
- Emulex driver and BIOS available from <http://www.emulex.com>.**
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**

HPQ

HPQ – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserv LC: 2000 U3, 2000R; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000R, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{3,6} , v2.4.9–e.24 ³ , v2.4.9–e.25 ^{3,13} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.16 ^{3,6} , v2.4.9–e.24 ³ , v2.4.9–e.25 ^{3,13} , v2.4.9–e.27	Fujitsu Siemens PRIMECLUSTER 4.0a2		QLogic QLA2200F–EMC	
2	Netserv LC: 2000 U3, 2000R; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000R, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{3,6,7} , v2.4.9–e.24 ³ , v2.4.9–e.25 ^{3,6} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ⁸	RAC: 8	QLogic QLA2310F–E–SP ¹	
3	Netserv LC: 2000 U3, 2000R; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000R, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{3,6} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ⁸	RAC: 8	QLogic QLA2342–E–SP ^{1,9}	

HPQ – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
4	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3, 6} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{10, 11, 12}	HA: 8	QLogic QLA2310F-E-SP ¹ , QLA2342-E-SP ^{1, 9}	
5	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant: DL360(G3), DL380(G3), DL580(G3), ML370(G3)	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 13} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 13} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2342-E-SP	
6	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LT 6000R, LXR 8000, LXR 8500; Proliant: DL360(G3), DL380(G3), DL580(G3), ML370(G3)	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 13} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 13} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP	See ¹⁴
7	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 3, 4, 5}	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic QLA2310F-E-SP ¹	
8	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 3, 4, 5}	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic QLA2340-E-SP ¹	See ¹⁴
9	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3, 6, 7} , v2.4.9-E.12 ^{3, 6} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ⁸	RAC: 8	QLogic QLA2340-E-SP ¹	See ¹⁴
10	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3, 6} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{10, 11, 12}	HA: 8	QLogic QLA2340-E-SP ¹	See ¹⁴
11	Netserver LH 3000; Proliant 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{3, 6}	Veritas Cluster Server (VCS) 2.0 ^{10, 11, 12}	HA: 8	QLogic QLA2340-E-SP ¹	
12	Netserver LH 3000; Proliant 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 3, 4, 5}	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic: QLA2310F-E-SP ¹ , QLA2340-E-SP ¹	
13	Netserver LH 3000; Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3, 6, 7} , v2.4.9-E.12 ^{3, 6}	Oracle 9i RAC 9.2.0.1.0 ⁸	RAC: 8	QLogic QLA2340-E-SP ¹	
14	Netserver LH 3000; Proliant 8500	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ⁸	RAC: 8	QLogic QLA2340-E-SP ¹	See ¹⁴
15	Netserver LH 3000; Proliant 8500	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{10, 11, 12}	HA: 8	QLogic QLA2340-E-SP ¹	See ¹⁴
16	Netserver LPR	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 13} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP	See ¹⁴
17	Netserver LPR	Red Hat Linux 2.1 ES v2.4.9-e.24 ^{3, 13}	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP	
18	Proliant DL760 (G2)	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 13} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 13} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic: QLA2340-E-SP, QLA2342-E-SP	

- Host must be offline for interfamily Symmetrix microcode upgrade.
- Watchdog Timer should be disabled in ocmargs.ora
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supported with QLogic driver v6.05.00.
- Supported with QLogic driver v6.04.02.
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- OCFS (Oracle Cluster File System) is supported. Requires patch mount-2.11g-6i386.rpm (ocfs mount support).
- Oracle Cluster File System v1.x supported with Linux v2.4.9-E9, E10, E12, E16, E24, E25.
- Driver v6.04.00 or above must be used with Qlogic HBAs for direct attach configurations.
- GAB disks (membership and service group heartbeat disks) are not supported.
- When VxVM is used, EMC recommends VxVM 3.2 update 2, VxFS 3.4 update 1 and above.
- Review single attach VxVM notes for PowerPath and DMP restrictions.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.

IBM

IBM – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	xSeries: X335, X342, x345, x360, x370, x440, x445	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{1, 2} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{1, 2} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP	See ³
2	xSeries: X335, X342, x345, x360, x370, x440, x445	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{1, 2} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{1, 2} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2342-E-SP	

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.

SGI IRIX
SGI

SGI – SGI IRIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Onyx2	SGI IRIX 6.5.14	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI: PCI-FC-1P-OPT-A, XT-FC-1P-OPT-A, XT-FC-2P	See ^{1, 3}

SGI - SGI IRIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
2	Onyx2	SGI IRIX: 6.4.1, 6.5.10, 6.5.11, 6.5.12, 6.5.13	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI XT-FC-2P	See ¹
3	Onyx2	SGI IRIX: 6.5.10, 6.5.11, 6.5.12, 6.5.13, 6.5.9	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI: PCI-FC-1P-OPT-A, XT-FC-1P-OPT-A	See ¹
4	Onyx2; Origin 2000	SGI IRIX: 6.5.13, 6.5.14	SGI Failsafe 2.1.1	HA: 2	SGI PCI-FC-1P	See ¹
5	Onyx2; Origin 2000	SGI IRIX: 6.5.13, 6.5.14	SGI Failsafe 2.1.1	HA: 2	SGI XT-SCSIB-4P	See ^{1, 2}
6	Onyx2; Origin 2000	SGI IRIX: 6.5.14, 6.5.15	SGI Failsafe 2.1.2	HA: 2	SGI: PCI-FC-1P-OPT-A, XT-FC-1P-OPT-A, XT-FC-2P	See ^{1, 3}
7	Onyx2; Origin 2000	SGI IRIX: 6.5.16, 6.5.17	SGI Failsafe 2.1.2	HA: 2	SGI: PCI-FC-1P-OPT-A, XT-FC-1P-OPT-A, XT-FC-2P	See ¹
8	Onyx2; Origin: 200, 2000	SGI IRIX 6.5.16	SGI Failsafe 2.1.2	HA: 2	SGI: PCI-SCSI-1P, XT-SCSIB-4P	See ¹
9	Onyx2; Origin: 200, 2000	SGI IRIX: 6.5.14, 6.5.15	SGI Failsafe 2.1.2	HA: 2	SGI XT-SCSIB-4P	See ^{1, 2}
10	Origin 200	SGI IRIX 6.5.13	SGI Failsafe 2.1.1	HA: 2	SGI XT-SCSIB-4P	See ¹
11	Origin 200	SGI IRIX 6.5.14	SGI Failsafe 2.1.1	HA: 2	SGI XT-SCSIB-4P	See ^{1, 2}
12	Origin 200	SGI IRIX: 6.4.1, 6.5.14	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI PCI-FC-1P	See ^{1, 3}
13	Origin 200	SGI IRIX: 6.5.10, 6.5.11, 6.5.12, 6.5.13	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI PCI-FC-1P	See ¹
14	Origin 200	SGI IRIX: 6.5.13, 6.5.14	SGI Failsafe 2.1.1	HA: 2	SGI XT-FC-2P	See ¹
15	Origin 200	SGI IRIX: 6.5.14, 6.5.15	SGI Failsafe 2.1.2	HA: 2	SGI: PCI-FC-1P, PCI-FC-1P-OPT-A, XT-FC-1P-OPT-A	See ^{1, 3}
16	Origin 200	SGI IRIX: 6.5.16, 6.5.17	SGI Failsafe 2.1.2	HA: 2	SGI: PCI-FC-1P, PCI-FC-1P-OPT-A, XT-FC-1P-OPT-A	See ¹
17	Origin 2000	SGI IRIX 6.5.13	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI XT-FC-2P	See ¹
18	Origin 2000	SGI IRIX: 6.4.1, 6.5.10, 6.5.11, 6.5.12, 6.5.14	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI XT-FC-2P	See ^{1, 3}
19	Origin 300	SGI IRIX 6.5.14	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI PCI-FC-1P-OPT-B	See ^{1, 3}
20	Origin 300	SGI IRIX: 6.5.11, 6.5.12, 6.5.13, 6.5.14	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI PCI-FC-1P-OPT-A	See ^{1, 3}
21	Origin 300	SGI IRIX: 6.5.12, 6.5.13, 6.5.14	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI PCI-SCSI-U3-2P	See ¹
22	Origin 300	SGI IRIX: 6.5.14, 6.5.15, 6.5.16	SGI Failsafe 2.1.2	HA: 2	SGI PCI-SCSI-U3-2P	See ¹
23	Origin 3000	SGI IRIX 6.5.14	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B	See ^{1, 3}
24	Origin 3000	SGI IRIX 6.5.16	SGI Failsafe 2.1.2	HA: 2	SGI PCI-SCSI-U3-2P	See ¹
25	Origin 3000	SGI IRIX: 6.5.11, 6.5.12, 6.5.13	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI PCI-FC-1P-OPT-A	See ¹
26	Origin 3000	SGI IRIX: 6.5.12, 6.5.13, 6.5.14	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI PCI-SCSI-U3-2P	See ^{1, 2}
27	Origin 3000	SGI IRIX: 6.5.14, 6.5.15	SGI Failsafe 2.1.2	HA: 2	SGI PCI-SCSI-U3-2P	See ^{1, 2}
28	Origin: 200, 2000	SGI IRIX 6.5.14	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI PCI-FC-1P-OPT-A	See ^{1, 3}
29	Origin: 200, 2000	SGI IRIX: 6.5.10, 6.5.11, 6.5.12, 6.5.13, 6.5.9	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI PCI-FC-1P-OPT-A	See ¹
30	Origin: 200, 2000	SGI IRIX: 6.5.10, 6.5.11, 6.5.12, 6.5.9	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI XT-FC-1P-OPT-A	See ¹
31	Origin: 200, 2000	SGI IRIX: 6.5.13, 6.5.14	SGI Failsafe: 2.0, 2.1.1	HA: 2	SGI XT-FC-1P-OPT-A	See ^{1, 3}
32	Origin: 300, 3000	SGI IRIX: 6.5.14, 6.5.15	SGI Failsafe 2.1.2	HA: 2	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B	See ^{1, 3}
33	Origin: 300, 3000	SGI IRIX: 6.5.16, 6.5.17	SGI Failsafe 2.1.2	HA: 2	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B	See ¹

1. Multi-port SCSI.

2. SCSI supports targets 1-15, LUNs 0-7. LUN skipping is permitted, however, LUN 0 must exist for each target.

3. FC-AL supports 128 LUNs per adapter. LUN skipping is permitted, however, LUN 0 must exist for each adapter.

SuSE Linux Fujitsu Siemens

Fujitsu Siemens - SuSE Linux				
No.	Host System	Operating System	Cluster Software	Host Bus Adapter
1	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, P200, P250, R450, RX100, T850	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1, 2}	Fujitsu Siemens PRIMECLUSTER 4.0a2	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E
2	Primergy: F250 ³ , H250 ³ , H450, N800, RX200, RX300, RX600, RX800, TX200, TX300, TX600	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1, 2}	Fujitsu Siemens PRIMECLUSTER 4.0a2	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLLogic QLA2200F-EMC

1. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.

2. Requires rev1_sles8sp2a.patch for CLARiON-attached hosts available from ftp://ftp.emc.com/pub/elab/linux.

3. Must use standard PCI 32bit/33MHz slot for SCSI

IBM

IBM - SuSE Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	eServer BladeCenter HS20 (Model 8678) ^{10, 11}	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Microsoft MSCS ^{4, 5, 6, 7}	HA: 4	IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ^{12, 13} , Optical Pass-thru Module 02R9080 ^{8, 9}	See ¹

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.

2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPO.
3. Requires rev1_sles8sp2a.patch for CLARiON-attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
4. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
5. MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
6. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
7. Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
8. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"
This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
9. **Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
10. Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
11. EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
12. **Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)**
13. **Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.**

Sun Solaris

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netra 1120	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E; QLLogic QLA2200F-EMC; Sun X6541A	
2	Netra 1280; Sun Fire: 280R, 4800, 4810, 6800, V120, V1280, V240, V480, V880	Sun Solaris 8	Toshiba DNCware ClusterPerfect V4.1R01 ^{17, 18}	HA: 2	Emulex LP9802-E; QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
3	Netra 1280; Sun Fire: 280R, 4800, 4810, 6800, V1280, V240, V480, V880	Sun Solaris 8 Update 6	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E); QLLogic: QLA2200F-EMC, QLA2300F-E-SP	
4	Netra 1280; Sun Fire: 280R, 4800, 4810, 6800, V1280, V240, V480, V880	Sun Solaris 8 Update 6	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Sun X6541A	See ^{1, 26}
5	Netra 1280; Sun Fire: 280R, 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ⁴ , 250, 420R ⁴ , 450	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{20, 21}	HA: 8, OPS: 4, RAC: 4	Emulex: LP10000-E, LP10000DC-E, LP9002DC-E, LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	
6	Netra 1280; Sun Fire: 280R, 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ⁴ , 250, 420R ⁴ , 450	Sun Solaris 8 Update 6	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP9002DC-E, LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁶
7	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris 8 Update 6	Veritas VERITAS Database Edition/Advanced Cluster (DBED/AC) 1.0 with OPS 8 ²⁴	OPS: 4 ²⁵	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E); QLLogic QLA2200F-EMC	
8	Netra 1280; Sun Fire: 280R, V1280, V240, V480, V880	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{20, 21}	HA: 8, OPS: 4 ²² , RAC: 4 ²²	Emulex LP9002-E (LP9002L-E)	
9	Netra 1280; Sun Fire: 280R, V1280, V240, V480, V880; Ultra: 220R ⁴ , 250, 450	Sun Solaris: 8 ³² , 9	Veritas Cluster Server (VCS) 3.5 ³³	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
10	Netra 1280; Sun Fire: 4800, 4810, 6800, V1280, V240, V480, V880	Sun Solaris 9 12/02 ³⁰	Sun Sun Cluster 3.0 Update 3 ²⁰	HA: 8, OPS: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
11	Netra 1280; Sun Fire: 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ⁴ , 250, 420R ⁴ , 450	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{20, 35}		Sun X6541A	See ¹
12	Netra 1280; Sun Fire: 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ⁴ , 250, 420R ⁴ , 450, Enterprise 3500, Enterprise 4500, Enterprise 5500, Enterprise 6500	Sun Solaris 8 ³²	Veritas Cluster Server (VCS) 3.5 ³³	HA: 8	Emulex LP8000-EMC ⁸ ; Sun X6541A	See ¹
13	Netra 1280; Sun Fire: 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ⁴ , 250, 420R ⁴ , 450, Enterprise 3500, Enterprise 4500, Enterprise 5500, Enterprise 6500	Sun Solaris 8 ³²	Veritas DBED/AC for 9iRAC 3.5 ^{6, 33, 34, 35, 36, 37, 38}	RAC: 4 ³⁹ , 40	Emulex LP8000-EMC ⁸ ; Sun X6541A	See ¹
14	Netra 1280; Sun Fire: 4810, V1280, V240, V480, V880	Sun Solaris 9 12/02 ³⁰	Sun Sun Cluster 3.1 ^{20, 35}	HA: 16, OPS: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
15	Netra 1280; Sun Fire: V1280, V240, V480	Sun Solaris 8 Update 6	Veritas Cluster Server (VCS) 1.3	HA: 8	Emulex LP9002-E (LP9002L-E)	
16	Netra 1280; Sun Fire: V1280, V240, V480	Sun Solaris 8 Update 6	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	Emulex LP8000-EMC ⁸ ; QLLogic: QLA2200F-EMC, QLA2300F-E-SP	
17	Netra 1280; Sun Fire: V1280, V240, V480, V880	Sun Solaris 8 Update 6	Legato: Automated Availability Manager (LAAM) 5.0 (Base) ³¹ , LAAM (Legato Cluster) 4.7, LAAM (Legato Cluster) 4.8	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E); QLLogic: QLA2200F-EMC, QLA2300F-E-SP	
18	Netra 1280; Sun Fire: V1280, V240, V480, V880	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{20, 21}	HA: 8 ²³ , OPS: 4 ²² , RAC: 4 ²²	QLLogic QLA2200F-EMC	

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
19	Netra 1280; Sun Fire: V1280, V240, V480, V880	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{20, 21}	HA: 8 ²³ OPS: 4 ²² RAC: 4	Sun X6541A	See ¹
20	Netra 1280; Sun Fire: V1280, V240, V480, V880; Ultra: 220R ⁴ , 250, 420R ⁴ , 450	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{20, 35}		Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
21	Netra 1280; Sun Fire: V1280, V240, V480, V880; Ultra: 220R ⁴ , 250, 450	Sun Solaris: 8 ³² , 9	Veritas DBED/AC for 9iRAC 3.5 ⁶ , 33, 34, 35, 36, 37, 38	RAC: 4 ³⁹ , 40	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
22	Netra 20	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 4, OPS: 4	JNI: FC-1063-EMC, FC64-1063-EMC	
23	Netra 20	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	Emulex LP9002S-E; JNI: FC-1063-EMC, FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E; QLLogic: QLA2200F-EMC, QLA2202FS-E	
24	Netra 20	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	Sun: X1065A (DWIS), X6541A	See ¹
25	Netra 20	Sun Solaris 8 Update 6	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	QLLogic: QCP2202F-E, QLA2200F-EMC ¹⁹ , QLA2300F-E-SP	
26	Netra 20	Sun Solaris: 8, 8 Update 6	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E	
27	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ³ , 220R ⁴ , 250, 30, 420R ⁴ , 450, 5 ³ , 60, 80	Sun Solaris 7 ²	Sun Sun Cluster 2.2 ¹⁰	HA: 4	Emulex LP8000-EMC ⁸ , QLLogic QLA2200F-EMC	
28	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ³ , 220R ⁴ , 250, 30, 420R ⁴ , 450, 5 ³ , 60, 80	Sun Solaris: 2.6, 8	Sun Sun Cluster 2.2 ¹⁰	HA: 4, OPS: 4	Emulex LP8000-EMC ⁸ , QLLogic QLA2200F-EMC	
29	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ³ , 220R ⁴ , 250, 30, 420R ⁴ , 450, 5 ³ , 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris 2.6	Sun Sun Cluster 2.2 ¹⁰	HA: 4, OPS: 4	Sun X6541A	See ¹
30	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ³ , 220R ⁴ , 250, 30, 420R ⁴ , 450, 5 ³ , 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ^{6, 41}	HA: 8	Sun X6541A	See ¹
31	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ³ , 220R ⁴ , 250, 30, 420R ⁴ , 450, 5 ³ , 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris 7 ²	Sun Sun Cluster 2.2 ¹⁰	HA: 4	Sun X6541A	See ¹
32	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ³ , 220R ⁴ , 250, 30, 420R ⁴ , 450, 5 ³ , 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris 7 ²	Toshiba ClusterPerfect DNCWare V3.1R01 ^{13, 14, 15}	HA: 2	Sun X6541A	See ¹
33	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ³ , 220R ⁴ , 250, 30, 420R ⁴ , 450, 5 ³ , 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris 8	Integratus UHA V1.3.3 ^{11, 12}	HA: 8	Sun X6541A	See ¹
34	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ³ , 220R ⁴ , 250, 30, 420R ⁴ , 450, 5 ³ , 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris: 2.6, 7 ²	Veritas Cluster Server (VCS): 1.1.1 pstamp 1999101416 ^{5, 6} , 1.1.2 ⁶	HA: 8	Sun X6541A	See ¹
35	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ³ , 220R ⁴ , 250, 30, 420R ⁴ , 450, 5 ³ , 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris: 2.6, 7 ² , 8	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	Sun X6541A	See ¹
36	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 10 ³ , 220R ⁴ , 250, 30, 420R ⁴ , 450, 5 ³ , 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris: 7 ² , 8	Legato LAAM (Legato Cluster) 4.7	HA: 8	Sun X6541A	See ¹
37	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁴ , 250, 30, 420R ⁴ , 450	Sun Solaris 7 ²	Toshiba ClusterPerfect DNCWare V3.1R01 ^{13, 14, 15}	HA: 2	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E; JNI FCE2-6412-E	
38	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁴ , 250, 30, 420R ⁴ , 450	Sun Solaris 8	Integratus UHA V1.3.3 ^{11, 12}	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E; JNI FCE2-6412-E; QLLogic QLA2200F-EMC	
39	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁴ , 250, 30, 420R ⁴ , 450	Sun Solaris 8	Toshiba DNCWare ClusterPerfect V4.1R01 ^{17, 18}	HA: 2	Emulex: LP9002-E (LP9002L-E), LP9002DC-E	
40	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁴ , 250, 30, 420R ⁴ , 450	Sun Solaris: 7 ² , 8	Legato LAAM (Legato Cluster) 4.7	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E; QLLogic QLA2200F-EMC	
41	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁴ , 250, 30, 420R ⁴ , 450	Sun Solaris: 7 ² , 8	Legato: Automated Availability Manager (LAAM) 5.0 (Base) ³¹ , LAAM (Legato Cluster) 4.8	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9002DC-E; Sun X6541A	

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
42	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁴ , 250, 30, 420R ⁴ , 450	Sun Solaris: 7 ² , 8	Sun Sun Cluster 2.2 ¹⁰	HA: 4, OPS: 4 2	Emulex LP9002DC-E	
43	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁴ , 250, 30, 420R ⁴ , 450	Sun Solaris: 7 ² , 8	Veritas Cluster Server (VCS) 1.3 ^{6,7}	HA: 8	Emulex LP9002DC-E; JNI FCE2-6412-E	
44	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁴ , 250, 30, 420R ⁴ , 450, 60, 80	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ^{6,41}	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E); QLLogic QLA2200F-EMC	
45	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁴ , 250, 30, 420R ⁴ , 450, 60, 80	Sun Solaris: 2.6, 7 ²	Veritas Cluster Server (VCS) 1.1.2 ⁶	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E); QLLogic QLA2200F-EMC	
46	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁴ , 250, 30, 420R ⁴ , 450, 60, 80	Sun Solaris: 2.6, 7 ² , 8	Sun Sun Cluster 2.2 ¹⁰	HA: 4, OPS: 4 2	Emulex LP9002-E (LP9002L-E)	
47	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁴ , 250, 30, 420R ⁴ , 450, 60, 80	Sun Solaris: 2.6, 7 ² , 8	Veritas Cluster Server (VCS) 1.3 ^{6,7}	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E); QLLogic QLA2200F-EMC	
48	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁴ , 250, 30, 420R ⁴ , 450, 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris: 2.6, 7 ²	Veritas Cluster Server (VCS) 1.1.1 pstamp 1999101416 ^{5,6}	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E); QLLogic QLA2200F-EMC	
49	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁴ , 250, 30, 420R ⁴ , 450, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris 7 ²	Veritas Cluster Server (VCS) 1.1.1 pstamp 1999101416 ^{5,6}	HA: 8	Emulex LP9002DC-E; JNI FCE2-6412-E	
50	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁴ , 250, 30, 420R ⁴ , 450, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris 7 ²	Veritas Cluster Server (VCS) 1.1.2 ⁶	HA: 8	Emulex LP9002DC-E	
51	Netra: 1125, 1400, 1405, T1; Ultra: 10 ³ , 220R ⁴ , 250, 30, 420R ⁴ , 450, 5 ³ , 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Sun X6541A	See ^{1,26}
52	Netra: 1125, 1400, 1405, T1; Ultra: 250, 30, 420R ⁴ , 450	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E; QLLogic QLA2200F-EMC	
53	Sun Fire 12K	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{20,21}	HA: 8, OPS: 4 22, RAC: 4 22	Emulex LP9002-E (LP9002L-E); QLLogic QLA2200F-EMC ¹⁹	
54	Sun Fire 12K	Sun Solaris 8 Update 6	Veritas Cluster Server (VCS): 1.3 ^{6,7} , 2.0 ⁶	HA: 8	Emulex LP9002-E (LP9002L-E); QLLogic QLA2200F-EMC ¹⁹	
55	Sun Fire 12K	Sun Solaris: 8 ³² , 9	Veritas Cluster Server (VCS) 3.5 ³³	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2200F-EMC ¹⁹ , QLA2340-E-SP, QLA2342-E-SP	
56	Sun Fire 12K	Sun Solaris: 8 ³² , 9	Veritas DBED/AC for 9iRAC 3.5 ⁶ , 33, 34, 35, 36, 37, 38	RAC: 4 39, 40	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2200F-EMC ¹⁹ , QLA2340-E-SP, QLA2342-E-SP	
57	Sun Fire 15K	Sun Solaris 8	Sun Sun Cluster 3.0 Update 3 ^{20,21}	HA: 8, OPS: 4 22, RAC: 4 22	QLLogic QLA2200F-EMC ¹⁹	
58	Sun Fire 15K	Sun Solaris 8 Update 6	Veritas Cluster Server (VCS): 1.3 ^{6,7} , 2.0 ⁶	HA: 8	Emulex LP9002-E (LP9002L-E); QLLogic QLA2200F-EMC	
59	Sun Fire 15K	Sun Solaris: 8 ³² , 9	Veritas Cluster Server (VCS) 3.5 ³³	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
60	Sun Fire 15K	Sun Solaris: 8 ³² , 9	Veritas DBED/AC for 9iRAC 3.5 ⁶ , 33, 34, 35, 36, 37, 38	RAC: 4 39, 40	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
61	Sun Fire 15K; Ultra: 220R ⁴ , 250, 420R ⁴ , 450	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{20,21}	HA: 8, OPS: 4 22, RAC: 4 22	Emulex LP9002-E (LP9002L-E); QLLogic QLA2200F-EMC	
62	Sun Fire 280R	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{20,35}		Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	
63	Sun Fire 280R	Sun Solaris: 8 ³² , 9	Veritas DBED/AC for 9iRAC 3.5 ⁶ , 33, 34, 35, 36, 37, 38	RAC: 4 39, 40	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	
64	Sun Fire 3800	Sun Solaris 8 Update 6	Legato: Automated Availability Manager (LAAM) 5.0 (Base) ³¹ LAAM (Legato Cluster) 4.7, LAAM (Legato Cluster) 4.8; Veritas Cluster Server (VCS) 1.3 ^{6,7}	HA: 8	QLLogic QCP2202F-E	

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
65	Sun Fire 3800	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{20, 21}	HA: 8, OPS: 4 ²² , RAC: 4 ²²	Emulex LP9002C-E; QLLogic QCP2202F-E ¹⁹	
66	Sun Fire 3800	Sun Solaris 8 Update 6	Veritas VERITAS Database Edition/Advanced Cluster (DBED/AC) 1.0 with OPS 8 ²⁴	OPS: 4 ²⁵	Emulex LP9002C-E; QLLogic QCP2202F-E	
67	Sun Fire 3800	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{20, 35}		Emulex LP9002C-E; QLLogic QCP2202F-E ¹⁹	
68	Sun Fire 3800	Sun Solaris 9 12/02 ³⁰	Sun Sun Cluster 3.1 ^{20, 35}	HA: 16, OPS: 2, RAC: 2	Emulex LP9002C-E; QLLogic QCP2202F-E	
69	Sun Fire 3800	Sun Solaris: 8 ³² , 9	Veritas Cluster Server (VCS) 3.5 ³³	HA: 8	Emulex LP9002C-E; QLLogic QCP2202F-E ¹⁹	
70	Sun Fire 3800	Sun Solaris: 8 ³² , 9	Veritas DBED/AC for 9iRAC 3.5 ^{6, 33, 34, 35, 36, 37, 38}	RAC: 4 ³⁹ , 40	Emulex LP9002C-E; QLLogic QCP2202F-E ¹⁹	
71	Sun Fire 4810	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{20, 21}	HA: 8, OPS: 4 ²² , RAC: 4 ²²	Emulex: LP9002-E (LP9002L-E), LP9002C-E; QLLogic QLA2200F-EMC	
72	Sun Fire 4810	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{20, 35}		Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
73	Sun Fire 4810	Sun Solaris 8 ³²	Veritas Cluster Server (VCS) 3.5 ³³	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
74	Sun Fire 4810	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
75	Sun Fire 4810	Sun Solaris: 8 ³² , 9	Veritas DBED/AC for 9iRAC 3.5 ^{6, 33, 34, 35, 36, 37, 38}	RAC: 4 ³⁹ , 40	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
76	Sun Fire V880	Sun Solaris 8 Update 6	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E); QLLogic: QLA2200F-EMC, QLA2300F-E-SP	
77	Sun Fire: 12K, 15K	Sun Solaris 8 Update 6	Legato: Automated Availability Manager (LAAM) 5.0 (Base) ³¹ , LAAM (Legato Cluster) 4.7, LAAM (Legato Cluster) 4.8	HA: 8	Emulex LP9002-E (LP9002L-E); QLLogic QLA2200F-EMC	
78	Sun Fire: 12K, 15K	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{20, 21}	HA: 8, OPS: 4, RAC: 4	Emulex: LP10000-E, LP10000DC-E, LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	
79	Sun Fire: 12K, 15K	Sun Solaris 8 Update 6	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁶
80	Sun Fire: 12K, 15K	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{20, 35}		Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2200F-EMC ¹⁹ , QLA2340-E-SP, QLA2342-E-SP	
81	Sun Fire: 12K, 15K	Sun Solaris 9 12/02 ³⁰	Sun Sun Cluster 3.0 Update 3 ²⁰	HA: 8, OPS: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
82	Sun Fire: 12K, 15K	Sun Solaris 9 12/02 ³⁰	Sun Sun Cluster 3.1 ^{20, 35}	HA: 16, OPS: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
83	Sun Fire: 12K, 15K; Ultra: 220R ⁴ , 250, 420R ⁴ , 450	Sun Solaris 8 Update 6	Veritas VERITAS Database Edition/Advanced Cluster (DBED/AC) 1.0 with OPS 8 ²⁴	OPS: 4 ²⁵	Emulex LP9002-E (LP9002L-E); QLLogic QLA2200F-EMC	
84	Sun Fire: 12K ⁴² , 15K ⁴²	Sun Solaris 8 Update 6	Legato: Automated Availability Manager (LAAM) 5.0 (Base) ³¹ , LAAM (Legato Cluster) 4.7, LAAM (Legato Cluster) 4.8; Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	Emulex LP9002DC-E	
85	Sun Fire: 12K ⁴² , 15K ⁴²	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{20, 21}	HA: 8, OPS: 4, RAC: 4	Emulex LP9002DC-E	
86	Sun Fire: 12K ⁴² , 15K ⁴²	Sun Solaris 8 Update 6	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Emulex LP9002DC-E	See ⁶

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
87	Sun Fire: 12K ⁴² , 15K ⁴²	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{20, 35}		Emulex LP9002DC-E	
88	Sun Fire: 12K ⁴² , 15K ⁴²	Sun Solaris 9 12/02 ³⁰	Sun Sun Cluster 3.0 Update 3 ²⁰	HA: 8, OPS: 2, RAC: 2	Emulex LP9002DC-E	
89	Sun Fire: 12K ⁴² , 15K ⁴²	Sun Solaris 9 12/02 ³⁰	Sun Sun Cluster 3.1 ^{20, 35}	HA: 16, OPS: 2, RAC: 2	Emulex LP9002DC-E	
90	Sun Fire: 12K ⁴² , 15K ⁴²	Sun Solaris: 8 ³² , 9	Veritas Cluster Server (VCS) 3.5 ³³	HA: 8	Emulex LP9002DC-E	
91	Sun Fire: 12K ⁴² , 15K ⁴²	Sun Solaris: 8 ³² , 9	Veritas DBED/AC for 9iRAC 3.5 ^{6, 33, 34, 35, 36, 37, 38}	RAC: 4 ^{39, 40}	Emulex LP9002DC-E	
92	Sun Fire: 12K ⁴² , 15K ⁴² , 280R, 3800	Sun Solaris 8 ³²	Veritas Cluster Server (VCS) 3.5 ³³	HA: 8	Emulex LP8000-EMC ⁸	
93	Sun Fire: 12K ⁴² , 15K ⁴² , 280R, 3800	Sun Solaris 8 ³²	Veritas DBED/AC for 9iRAC 3.5 ^{6, 33, 34, 35, 36, 37, 38}	RAC: 4 ^{39, 40}	Emulex LP8000-EMC ⁸	
94	Sun Fire: 280R, 4810	Sun Solaris 8 Update 6	Legato: Automated Availability Manager (LAAM) 5.0 (Base) ³¹ , LAAM (Legato Cluster) 4.7, LAAM (Legato Cluster) 4.8	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E; QLLogic: QLA2200F-EMC, QLA2300F-E-SP	
95	Sun Fire: 280R, 4810	Sun Solaris 8 Update 6	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9002DC-E; QLLogic: QLA2200F-EMC	
96	Sun Fire: 3800, 4800, 6800	Sun Solaris 9 12/02 ³⁰	Sun Sun Cluster 3.0 Update 3 ^{20, 21}	HA: 8, OPS: 2, RAC: 2	Emulex LP9002C-E; QLLogic QCP2202F-E	
97	Sun Fire: 4800, 4810, 6800; Ultra: 220R ⁴ , 250, 420R ⁴ , 450	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{20, 21}	HA: 8, OPS: 4 ²² , RAC: 4 ²²	Sun X6541A	See ¹
98	Sun Fire: 4800, 6800	Sun Solaris 8 Update 6	Legato: Automated Availability Manager (LAAM) 5.0 (Base) ³¹ , LAAM (Legato Cluster) 4.7, LAAM (Legato Cluster) 4.8	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2300F-E-SP	
99	Sun Fire: 4800, 6800	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{20, 21}	HA: 8, OPS: 4 ²² , RAC: 4 ²²	Emulex: LP9002-E (LP9002L-E), LP9002C-E; QLLogic: QCP2202F-E, QLA2200F-EMC	
100	Sun Fire: 4800, 6800	Sun Solaris 8 Update 6	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9002DC-E; QLLogic: QCP2202F-E, QLA2200F-EMC	
101	Sun Fire: 4800, 6800	Sun Solaris 8 Update 6	Veritas VERITAS Database Edition/Advanced Cluster (DBED/AC) 1.0 with OPS 8 ²⁴	OPS: 4 ²⁵	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002C-E; QLLogic: QCP2202F-E, QLA2200F-EMC	
102	Sun Fire: 4800, 6800	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{20, 35}		Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
103	Sun Fire: 4800, 6800	Sun Solaris 9 12/02 ³⁰	Sun Sun Cluster 3.1 ^{20, 35}	HA: 16, OPS: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
104	Sun Fire: 4800, 6800	Sun Solaris: 8 ³² , 9	Veritas Cluster Server (VCS) 3.5 ³³	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
105	Sun Fire: 4800, 6800	Sun Solaris: 8 ³² , 9	Veritas DBED/AC for 9iRAC 3.5 ^{6, 33, 34, 35, 36, 37, 38}	RAC: 4 ^{39, 40}	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
106	Ultra 2	Sun Solaris 8	Integratus UHA V1.3.3 ^{11, 12}	HA: 8	JNI: FC-1063-EMC, FC64-1063-EMC	
107	Ultra 2	Sun Solaris: 2.6, 7 ² , 8	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	JNI: FC-1063-EMC, FC64-1063-EMC	
108	Ultra 2	Sun Solaris: 7 ² , 8	Legato LAAM (Legato Cluster) 4.7	HA: 8	JNI: FC-1063-EMC, FC64-1063-EMC	
109	Ultra 220R ⁴	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Emulex LP8000-EMC ⁸	

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
110	Ultra 220R ⁴	Sun Solaris: 7 ² , 8	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9002DC-E; QLLogic QLA2200F-EMC	
111	Ultra 420R ⁴	Sun Solaris: 8 ³² , 9	Veritas Cluster Server (VCS) 3.5 ³³	HA: 8	Emulex LP9002-E (LP9002L-E); QLLogic QLA2200F-EMC	
112	Ultra 420R ⁴	Sun Solaris: 8 ³² , 9	Veritas DBED/AC for 9iRAC 3.5 ⁶ , 33, 34, 35, 36, 37, 38	RAC: 4 ³⁹ , 40	Emulex LP9002-E (LP9002L-E); QLLogic QLA2200F-EMC	
113	Ultra Enterprise 10000	Sun Solaris 2.6	Sun Sun Cluster 2.1	HA: 4, OPS: 2	Sun X1065A (DWIS)	See ¹
114	Ultra Enterprise 10000	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ⁶ , 4 ¹	HA: 8	JNI: FCE-1063-E, FCE2-1063-E	
115	Ultra Enterprise 10000	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ⁶ , 4 ¹	HA: 8	Sun X1065A (DWIS)	See ¹
116	Ultra Enterprise 10000	Sun Solaris 7 ²	Sun Sun Cluster 2.2 ¹⁰	HA: 4	JNI: FC-1063-EMC, FC64-1063-EMC, FCE2-1063-E	
117	Ultra Enterprise 10000	Sun Solaris 7 ²	Sun Sun Cluster 2.2 ¹⁰	HA: 4	Sun X1065A (DWIS)	See ¹
118	Ultra Enterprise 10000	Sun Solaris 7 ²	Toshiba ClusterPerfect DNCWare V3.1R01 ^{13, 14, 15}	HA: 2	JNI: FCE-1063-E, FCE2-1063-E	
119	Ultra Enterprise 10000	Sun Solaris 7 ²	Toshiba ClusterPerfect DNCWare V3.1R01 ^{13, 14, 15}	HA: 2	Sun X1065A (DWIS)	See ¹
120	Ultra Enterprise 10000	Sun Solaris 7 ²	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Emulex LP9002S-E; QLLogic QLA2202FS-E	
121	Ultra Enterprise 10000	Sun Solaris 8	Integratus UHA V1.3.3 ^{11, 12}	HA: 8	Emulex LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLLogic QLA2202FS-E	
122	Ultra Enterprise 10000	Sun Solaris 8	Integratus UHA V1.3.3 ^{11, 12}	HA: 8	Sun X1065A (DWIS)	See ¹
123	Ultra Enterprise 10000	Sun Solaris 8	Toshiba DNCWare ClusterPerfect V4.1R01 ^{17, 18}	HA: 2	Emulex LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLLogic QLA2202FS-E	
124	Ultra Enterprise 10000	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	JNI FCE2-1063-E	
125	Ultra Enterprise 10000	Sun Solaris 8 ³²	Veritas Cluster Server (VCS) 3.5 ³³	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002S-E; JNI: FC-1063-EMC, FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLLogic QLA2202FS-E	
126	Ultra Enterprise 10000	Sun Solaris 8 ³²	Veritas DBED/AC for 9iRAC 3.5 ⁶ , 33, 34, 35, 36, 37, 38	RAC: 4 ³⁹ , 40	Emulex LP8000-EMC ⁸ ; JNI: FC-1063-EMC, FC64-1063-EMC	
127	Ultra Enterprise 10000	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5	HA: 8	Emulex LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLLogic QLA2202FS-E	
128	Ultra Enterprise 10000	Sun Solaris: 2.6, 7 ²	Veritas Cluster Server (VCS): 1.1.1 pstamp 1999101416 ^{9, 6} , 1.1.2 ⁶	HA: 8	Sun X1065A (DWIS)	See ¹
129	Ultra Enterprise 10000	Sun Solaris: 2.6, 7 ² , 8	Sun Sun Cluster 2.2 ¹⁰	HA: 4, OPS: 4 ²	JNI FCE-1063-E	
130	Ultra Enterprise 10000	Sun Solaris: 2.6, 7 ² , 8	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	JNI: FCE-1063-E, FCE2-1063-E	
131	Ultra Enterprise 10000	Sun Solaris: 2.6, 7 ² , 8	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	Sun X1065A (DWIS)	See ¹
132	Ultra Enterprise 10000	Sun Solaris: 2.6, 8	Sun Sun Cluster 2.2 ¹⁰	HA: 4, OPS: 4	JNI: FC-1063-EMC, FC64-1063-EMC	
133	Ultra Enterprise 10000	Sun Solaris: 2.6, 8	Sun Sun Cluster 2.2 ¹⁰	HA: 4, OPS: 4	Sun X1065A (DWIS)	See ¹
134	Ultra Enterprise 10000	Sun Solaris: 7 ² , 8	Legato LAAM (Legato Cluster) 4.7	HA: 8	Emulex LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLLogic QLA2202FS-E	
135	Ultra Enterprise 10000	Sun Solaris: 7 ² , 8	Legato LAAM (Legato Cluster) 4.7	HA: 8	Sun X1065A (DWIS)	See ¹
136	Ultra Enterprise 10000	Sun Solaris: 7 ² , 8	Legato: Automated Availability Manager (LAAM) 5.0 (Base) ³¹ , LAAM (Legato Cluster) 4.8	HA: 8	Emulex LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLLogic QLA2202FS-E; Sun X1065A (DWIS)	
137	Ultra Enterprise 10000	Sun Solaris: 7 ² , 8	Sun Sun Cluster 2.2 ¹⁰	HA: 4, OPS: 4 ²	Emulex LP9002S-E; JNI FCE2-1473-E; QLLogic QLA2202FS-E	

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
138	Ultra Enterprise 10000	Sun Solaris: 7 ² , 8	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	Emulex LP9002S-E; JNI FCE2-1473-E; QLogic QLA2202FS-E	
139	Ultra Enterprise 3500	Sun Solaris 7 ²	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Emulex LP9002S-E; JNI FC64-1063-EMC ¹⁶ ; QLogic QLA2202FS-E	
140	Ultra Enterprise 3500	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E; JNI: FC-1063-EMC, FCE2-1063-E; QLogic QLA2200F-EMC	
141	Ultra Enterprise 3500	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	JNI FC64-1063-EMC	See ⁹
142	Ultra Enterprise: 10000, 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris 2.6	Sun Sun Cluster 2.1	HA: 4, OPS: 2	JNI: FC-1063-EMC, FC64-1063-EMC, FCE-1063-E, FCE2-1063-E	
143	Ultra Enterprise: 10000, 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris 8	Integratus UHA V1.3.3 ^{11, 12}	HA: 4, OPS: 4	JNI: FC-1063-EMC, FC64-1063-EMC	
144	Ultra Enterprise: 10000, 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris: 2.6, 7 ² , 8	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 4, OPS: 4	JNI: FC-1063-EMC, FC64-1063-EMC	
145	Ultra Enterprise: 10000, 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris: 2.6, 8	Sun Sun Cluster 2.2 ¹⁰	HA: 4, OPS: 4 ²	JNI FCE2-1063-E	
146	Ultra Enterprise: 10000, 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris: 7 ² , 8	Legato LAAM (Legato Cluster) 4.7	HA: 4, OPS: 4	JNI: FC-1063-EMC, FC64-1063-EMC	
147	Ultra Enterprise: 10000, 3000, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	JNI: FC-1063-EMC, FC64-1063-EMC	See ⁹
148	Ultra Enterprise: 10000, 3500	Sun Solaris: 7 ² , 8	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	JNI FCE-1063-E	
149	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{20, 21}	HA: 8, OPS: 4 ²² , RAC: 4 ²²	Emulex LP9002S-E; JNI: FC-1063-EMC, FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic QLA2202FS-E	
150	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 8 Update 6	Veritas VERITAS Database Edition/Advanced Cluster (DBED/AC) 1.0 with OPS 8 ²⁴	OPS: 4 ²⁵	Emulex LP9002S-E; JNI: FC-1063-EMC, FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic QLA2202FS-E	
151	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{20, 35}		Emulex LP9002S-E; JNI: FC-1063-EMC, FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic QLA2202FS-E	
152	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 9 12/02 ³⁰	Sun Sun Cluster 3.0 Update 3 ²⁰	HA: 8, OPS: 2, RAC: 2	Emulex LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic QLA2202FS-E	
153	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 9 12/02 ³⁰	Sun Sun Cluster 3.1 ^{20, 35}	HA: 16, OPS: 2, RAC: 2	Emulex LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic QLA2202FS-E	
154	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris: 8 ³² , 9	Veritas DBED/AC for 9iRAC 3.5 ^{6, 33, 34, 35, 36, 37, 38}	RAC: 4 ^{39, 40}	Emulex LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic QLA2202FS-E	
155	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ^{6, 41}	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E); JNI: FCE-1063-E, FCE2-1063-E; QLogic QLA2200F-EMC	
156	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris 7 ²	Sun Sun Cluster 2.2 ¹⁰	HA: 4	Emulex LP8000-EMC ⁸ ; JNI: FC-1063-EMC, FC64-1063-EMC, FCE2-1063-E; QLogic QLA2200F-EMC	
157	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris 7 ²	Toshiba ClusterPerfect DNCWare V3.1R01 ^{13, 14, 15}	HA: 2	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-6412-E	
158	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris 8	Integratus UHA V1.3.3 ^{11, 12}	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E, LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E; QLogic: QLA2200F-EMC, QLA2202FS-E	
159	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris 8	Toshiba DNCware ClusterPerfect V4.1R01 ^{17, 18}	HA: 2	Emulex: LP9002-E (LP9002L-E), LP9002DC-E, LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic QLA2202FS-E	

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
160	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris: 2.6, 7 ²	Veritas Cluster Server (VCS) 1.1.2 ⁶	HA: 8	Emulex LP8000-EMC ⁸ , LP9002-E (LP9002L-E); JNI: FC-1063-EMC, FC64-1063-EMC; QLogic QLA2200F-EMC	
161	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris: 2.6, 7 ² , 8	Sun Sun Cluster 2.2 ¹⁰	HA: 4, OPS: 4 ²	Emulex LP9002-E (LP9002L-E); JNI FCE-1063-E	
162	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris: 2.6, 7 ² , 8	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E); JNI: FCE-1063-E, FCE2-1063-E; QLogic QLA2200F-EMC	
163	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris: 2.6, 8	Sun Sun Cluster 2.2 ¹⁰	HA: 4, OPS: 4	Emulex LP8000-EMC ⁸ ; JNI: FC-1063-EMC, FC64-1063-EMC; QLogic QLA2200F-EMC	
164	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris: 7 ² , 8	Legato LAAM (Legato Cluster) 4.7	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E, LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic: QLA2200F-EMC, QLA2202FS-E	
165	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris: 7 ² , 8	Legato: Automated Availability Manager (LAAM) 5.0 (Base) ³¹ , LAAM (Legato Cluster) 4.8	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9002DC-E, LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic QLA2202FS-E; Sun X6541A	
166	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris: 7 ² , 8	Sun Sun Cluster 2.2 ¹⁰	HA: 4, OPS: 4 ²	Emulex: LP9002DC-E, LP9002S-E; JNI FCE2-1473-E; QLogic QLA2202FS-E	
167	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris: 7 ² , 8	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	Emulex: LP9002DC-E, LP9002S-E; JNI: FCE2-1473-E, FCE2-6412-E; QLogic QLA2202FS-E	
168	Ultra Enterprise: 3000, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris 7 ²	Veritas Cluster Server (VCS) 3.5 ⁶	HA: 8	Emulex LP9002S-E; JNI FCE-1063-E; QLogic QLA2202FS-E	See ²⁹
169	Ultra Enterprise: 3000, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E; JNI FCE2-1063-E; QLogic QLA2200F-EMC	
170	Ultra Enterprise: 3000, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris: 7 ² , 8	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Emulex LP9002S-E; JNI FCE-1063-E; QLogic QLA2202FS-E	
171	Ultra Enterprise: 3500, 4500, 5500, 6500	Sun Solaris 8 ³²	Veritas Cluster Server (VCS) 3.5 ³³	HA: 8	JNI: FC-1063-EMC, FC64-1063-EMC	
172	Ultra Enterprise: 3500, 4500, 5500, 6500	Sun Solaris 8 ³²	Veritas DBED/AC for 9iRAC 3.5 ^{6, 33, 34, 35, 36, 37, 38}	RAC: 4 ^{39, 40}	JNI: FC-1063-EMC, FC64-1063-EMC	
173	Ultra Enterprise: 3500, 4500, 5500, 6500	Sun Solaris: 8 ³² , 9	Veritas Cluster Server (VCS) 3.5 ³³	HA: 8	Emulex LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic QLA2202FS-E	
174	Ultra: 10 ³ , 5 ³	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ^{6, 41}	HA: 8	Emulex LP8000-EMC ⁸ ; QLogic QLA2200F-EMC	
175	Ultra: 10 ³ , 5 ³	Sun Solaris 7 ²	Toshiba ClusterPerfect DNCWare V3.1R01 ^{13, 14, 15}	HA: 2	Emulex LP8000-EMC ⁸ ; JNI FCE2-6412-E	
176	Ultra: 10 ³ , 5 ³	Sun Solaris 7 ²	Veritas Cluster Server (VCS) 1.1.1 pstamp 1999101416 ^{5, 6}	HA: 8	JNI FCE2-6412-E	
177	Ultra: 10 ³ , 5 ³	Sun Solaris 8	Integratus UHA V1.3.3 ^{11, 12}	HA: 8	Emulex LP8000-EMC ⁸ ; JNI FCE2-6412-E; QLogic QLA2200F-EMC	
178	Ultra: 10 ³ , 5 ³	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Emulex LP8000-EMC ⁸ ; QLogic QLA2200F-EMC	
179	Ultra: 10 ³ , 5 ³	Sun Solaris: 2.6, 7 ²	Veritas Cluster Server (VCS): 1.1.1 pstamp 1999101416 ^{5, 6} , 1.1.2 ⁶	HA: 8	Emulex LP8000-EMC ⁸ ; QLogic QLA2200F-EMC	
180	Ultra: 10 ³ , 5 ³	Sun Solaris: 2.6, 7 ² , 8	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	Emulex LP8000-EMC ⁸ ; QLogic QLA2200F-EMC	
181	Ultra: 10 ³ , 5 ³	Sun Solaris: 7 ² , 8	Legato LAAM (Legato Cluster) 4.7	HA: 8	Emulex LP8000-EMC ⁸ ; QLogic QLA2200F-EMC	
182	Ultra: 10 ³ , 5 ³	Sun Solaris: 7 ² , 8	Legato: Automated Availability Manager (LAAM) 5.0 (Base) ³¹ , LAAM (Legato Cluster) 4.8	HA: 8	Sun X6541A	
183	Ultra: 10 ³ , 5 ³ , 60, 80	Sun Solaris: 7 ² , 8	Veritas Cluster Server (VCS) 1.3 ^{6, 7}	HA: 8	JNI FCE2-6412-E	

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
184	Ultra: 220R ⁴ , 250, 420R ⁴ , 450	Sun Solaris 7 ²	Veritas Cluster Server (VCS) 3.5 ^{6, 28}	HA: 8	Emulex: LP9002DC-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{6, 27}
185	Ultra: 2, Enterprise 10000	Sun Solaris: 2.6, 7 ²	Veritas Cluster Server (VCS) 1.1.2 ⁶	HA: 8	JNI: FC-1063-EMC, FC64-1063-EMC	
186	Ultra: 2, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris 2.6	Veritas Cluster Server (VCS): 1.1.1 pstamp 1999101416 ^{5, 6, 2, 0⁶, 41}	HA: 8	JNI: FC-1063-EMC, FC64-1063-EMC	See ⁹
187	Ultra: 2, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris 7 ²	Toshiba ClusterPerfect DNCWare V3.1R01 ^{13, 14, 15}	HA: 2	JNI: FC-1063-EMC, FC64-1063-EMC	See ¹⁶
188	Ultra: 60, 80	Sun Solaris 7 ²	Toshiba ClusterPerfect DNCWare V3.1R01 ^{13, 14, 15}	HA: 2	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E); JNI FCE2-6412-E	
189	Ultra: 60, 80	Sun Solaris 8	Integratus UHA V1.3.3 ^{11, 12}	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E); JNI FCE2-6412-E; QLogic QLA2200F-EMC	
190	Ultra: 60, 80	Sun Solaris 8	Toshiba DNCware ClusterPerfect V4.1R01 ^{17, 18}	HA: 2	Emulex LP9002-E (LP9002L-E)	
191	Ultra: 60, 80	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ⁶	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E); QLogic QLA2200F-EMC	
192	Ultra: 60, 80	Sun Solaris: 7 ² , 8	Legato LAAM (Legato Cluster) 4.7	HA: 8	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E); QLogic QLA2200F-EMC	
193	Ultra: 60, 80	Sun Solaris: 7 ² , 8	Legato: Automated Availability Manager (LAAM) 5.0 (Base) ³¹ , LAAM (Legato Cluster) 4.8	HA: 8	Emulex LP9002-E (LP9002L-E); Sun X6541A	

- Multi-port SCSI.
- No OPS support for Solaris 7.
- This host supports only 5 V HBAs.
- 64-bit HBAs will not fit into the 32-bit slot due to a physical obstruction.
- In other words, pkginfo -I VRTSvcs should report 1.1.1 1999101416
- GAB disks (membership and service group heartbeat disks) are not supported.
- Disk Reservation Agent with PowerPath 2.0.3 only.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- PowerPath 2.0 and above with native name only, no hub.
- Powerpath requires V2.0.2 or later.
- Symm Socket/Smart Heartbeat is not supported at this time.
- Automatic remote failover is not supported at this time.
- VRTS VxVM 3.0.4 or 3.1 required. DMP must be disabled.
- PowerPath not supported.
- Requires TSBdctrl V1.2
- FC64: Hub supports up to 7 connections; PowerPath supported.
- Requires Cluster Perfect Patch PB00042-01, PowerPath 3.0.2 or later.
- Veritas VxVM 3.0.4 or higher can be used. DMP must be enabled.
- Fcode should be loaded on all HBA's at the time of installation. All drivers and fcode can be downloaded from <http://www.qlogic.com>. Supports SNIA HBA API.
- For all Sun Cluster 3.x configurations where TimeFinder or SRDF are being used, please refer to the white papers EMC Symmetrix with Sun Cluster 3.x on Avatar and PowerLink.
- Requires Symmetrix 8000 Series, PowerPath 3.0.4 or later, VxVM 3.2 or Solstice Disk Suite (SDS) 4.2.1, and microcode minimum 5567.46.24 – 5567.49.27, or 5568.52.18 or later. Symmetrix "PER" volume flag for Persistent Reservation support for devices accessible through more than two paths.
- OPS and RAC configurations running VxVM 3.2 VxVM 3.2 P03.
- For clustered pairs of more than 2 nodes, see the Sun Cluster 3.0 Configuration Guide.
- Requires MicroCode 5567.35.20 or higher. Volumes Should be enabled to support SCSI persistence (set PER flag for each volume).
- OPS and RAC configurations running VxVM 3.2 VxVM 3.2 P03.
- Channel configurations: multi-port SCSI preferred or common SCSI bus.
- Supported with PowerPath 3.x configurations only. Native Names only, no Power Devices. Requires Symmetrix 8000 Series, PowerPath 3.0.1 or later, VxVM 3.5.
- Supported with PowerPath 3.x configurations only. Native Names only, no Power Devices. Requires Symmetrix 8000 Series, PowerPath 3.0.1 or later, VxVM 3.5.
- Supported with PowerPath 3.x configurations only. Native Names only, no Power Devices. Requires Symmetrix 8000 Series, PowerPath 3.0.1 or later, VxVM 3.5. SCSI-3 Persistent Group Reserve support requires minimum microcode 5567.42.23A or later. Symmetrix "PER" volume flag setting required for devices accessible through more than 2 paths.
- Requires Sun patch 113277-09.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.
- Update 6.
- For configurations with PowerPath 3.0.1 use native names only, and no power devices.
- Symmetrix SCSI-3 "PER" volume flag setting required for devices accessible through two or more paths.
- Requires Symmetrix 8000 Series, PowerPath 3.0.4 or later, VxVM 3.5 or later or Solstice Disk Suite (SDS) 4.2.1. Supported with Microcode 5568.52.18
5567 code revisions supported are 5567.46.24 or 5567.53.30. 5567.53.30 requires the PGR Phase 4 E-pack.
Symmetrix "PER" volume flag for Persistent Reservation support for devices accessible through more than two paths.
- If all FC connectivity to the array is lost (without a server shutdown), then after connectivity is restored, the user must execute a vxddctl enable command, before the VCS Oracle 9iRAC service group is brought back online.
- SRDF and/or Timefinder by RPQ only
- Requires Symmetrix 8000 Series and minimum microcode of (5567.50.28 or later) or (5568.54.20 or later).
- Review VERITAS Database Edition/Advanced Cluster 3.5 for Oracle9i RAC Release Notes for supported Oracle Database releases.
- Veritas MP2 is required for clusters with more than 2 servers**
- Please review Veritas support pages for latest patch information.
- Use of the LP9002DC or QLA2342 requires FCO A0218-1 from Sun for HBA's to operate in 66mhz mode. Without this FCO the HBA's will only come up in 33mhz mode which could have an impact on performance.**

Fibre Connectivity: Hub

Please refer to the Cables and Connectors section for more information. Please refer to the Base Connectivity Interoperability Application for details concerning kernel versions, minimum driver and BIOS / firmware revisions. Fanout represents the maximum initiators (host adapters) per array port. Fanin represents the number of array ports visible to a single initiator (host adapter). In arbitrated loop environments, these numbers represent the maximum initiators per loop. In switch environments, these numbers are achieved through Zoning. For further details on Fanin/Fanout, see the Connectrix Enterprise Storage Network Planning Guide, EMC Networked Storage Topology Guide, and CLARiON Open Systems Configuration Guide. For Switch Firmware levels and other fabric

parameters, see Switched Fabric Topology parameters.

DG DG/UX

DG DG/UX									
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop	Comments
1	DG DG/UX: R4.20MU06, R4.20MU07	Emulex LP8000-F1	EMC DP3-FCD8 ²	1	16	256	256	128	See ¹
2	DG DG/UX: R4.20MU06, R4.20MU07	Emulex LP8000-F1	Vixel Rapport: 1000, 2000	4	16	256	256	128	See ¹

- All adapters must be the same type except with HP-UX.
- 8-port adapter (Model DP3-FCD8) splits the Symmetrix director into two 4-port hubs. Symmetrix still operates with only 2 ports per director. This 8-port adapter supports both FC-AL and FC-SW connections. Cascading of hubs on the same 8-port adapter to other 8-port adapters or to other EMC-qualified hubs is not supported at this time. To connect a switch to this adapter only the lowest connector of each hub can be used.

HPQ HP-UX

HPQ HP-UX								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	HPQ HP-UX 11.0: 990P ^{3, 4} , ACE ^{3, 4} ; HPQ HP-UX: 11.0 ^{3, 4} , 11i v1.0 (HP-UX 11.11) ^{3, 4, 10, 11} , 11i v1.5 (HP-UX 11.20) ^{3, 12}	HPQ: A3404A ⁵ , A3591A ⁵ , A3591B ⁵ , A3636A ⁵ , A3740A ⁵ , A5158A ⁵ , A6684A ⁵ , A6685A ⁵ , A6795A ^{5, 9}	EMC DP3-FCD8 ^{1, 2, 13, 14}	1	16	256	320 ^{6, 8} , 512 ⁶	128
2	HPQ HP-UX 11.0: 990P ^{3, 4} , ACE ^{3, 4} ; HPQ HP-UX: 11.0 ^{3, 4} , 11i v1.0 (HP-UX 11.11) ^{3, 4, 10, 11} , 11i v1.5 (HP-UX 11.20) ^{3, 12}	HPQ: A3404A ⁵ , A3591A ⁵ , A3591B ⁵ , A3636A ⁵ , A3740A ⁵ , A5158A ⁵ , A6684A ⁵ , A6685A ⁵ , A6795A ^{5, 9}	HPQ: A3724A/AZ ^{1, 2} , A4839A/AZ ^{1, 2}	4	16	256	320 ^{6, 8} , 512 ⁶	1280 ⁷

- All adapters must be the same type except with HP-UX.
- 2 Gb speed and autonegotiation on target ports must be disabled when connected to hubs.
- In HP and MC/ServiceGuard environments, the maximum number of active devices per server is 1024 for mid-range and high-end servers. This high device count is questionable for low-end servers (D/R-Class), and so remains at 768 for them (not counting alternate path LUNs for PV/Links or EMC PowerPath). Maximum limitations per server (subject to server and resources): HP-UX 10.20 768 devices, 1536 LUNs; HP-UX 11.0 2400 devices, 4800 LUNs; HP-UX 11i 4096 devices, 8096 LUNs; HP-UX 11i Version 1.5 (11.20) 4096 devices, 8096 LUNs.
- For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
- For HP-UX 11.0 of June 2000 or higher release is required (patch bundle XSWHWCR1100B.11.00.49.3 or XSWGRI1100B.11.00.49.3 or later released patch bundle).
- 256 LUN support: HP-UX 10.20 requires patch PHKL_23259 or patches superceded by or having co-dependencies as defined by HP. HP-UX 11.0 requires patch PHKL_21607 or patches superceded by or having co-dependencies as defined by HP.
- Using ESN Manager.
- In an HA environment, with HP-UX 11i, 512 LUNs per HBA are allowed.
- As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)

L2000 (product number A5191A)

N4000 Revision A (product number A3639A)

N4000 Revision B (product number A3639B)

- Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher.
- See Single section for minimum microcode required.
- Non-HA, single initiator only. PowerPath not supported.
- 8-port adapter (Model DP3-FCD8) splits the Symmetrix director into two 4-port hubs. Symmetrix still operates with only 2 ports per director. This 8-port adapter supports both FC-AL and FC-SW connections. Cascading of hubs on the same 8-port adapter to other 8-port adapters or to other EMC-qualified hubs is not supported at this time. To connect a switch to this adapter only the lowest connector of each hub can be used.
- No cascading (of an FA port to a hub, or an FA port to another FA port). No connecting a hub to a switch (direct-connect only). Homogeneous hosts/HBAs/OS required. No remote boot from Symmetrix allowed. Minimum Symmetrix microcode version 5566.23.18 required. Only one single PowerPath or PVLinks path per "side" of FA maximum. For PVLinks, primary and alternate paths must reside on different FA boards. In the HP-UX multi-initiator environment ESN Manager may be necessary to block LUN visibility between initiators connected to the same "side" of the FA (on the same loop), if such a restricted environment is desired by the customer.

IBM AIX

IBM AIX									
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop	Comments
1	IBM AIX 4.3.3	Bull DCCG148-0000 ⁵ , EMC CKIT-E70-AIX7; IBM: 6227 ¹ , 6228	EMC DP3-FCD8 ^{2, 3}	1	16	256	256	128	
2	IBM AIX 4.3.3	IBM: 6227 ¹ , 6228 ¹	Vixel Rapport 1000 ²	4	16	256	256	256	
3	IBM AIX 5.1	Bull DCCG148-0000 ⁵	Bull LNCQ001 ⁶	4	16	256	256	384	See ²
4	IBM AIX 5.1	Bull DCCG148-0000 ⁵	EMC DP3-FCD8 ³	1	16	256	256	128	See ²
5	IBM AIX 5.1	IBM: 6227, 6228	EMC DP3-FCD8 ^{2, 3}	1	16	256	256	128	
6	IBM AIX 5.1	IBM: 6227, 6228	Vixel Rapport 1000 ^{2, 4}	4	16	256	256	256	
7	IBM AIX 5.2	IBM: 6227, 6228	EMC DP3-FCD8 ^{2, 3} ; Vixel Rapport 1000 ^{2, 4}	1	16	256	256 LUNS/HBA	EMC DP3-FCD8 (128 luns/loop), Vixel Rapport 1000 (256 luns/loop)	See ⁸
8	IBM AIX: 4.3.0, 4.3.1, 4.3.2	Bull DCCG148-0000 ⁵ , EMC CKIT-E70-AIX7	EMC DP3-FCD8 ^{2, 3}	1	16	256	256	128	
9	IBM AIX: 4.3.0, 4.3.1, 4.3.2, 4.3.3	Bull DCCG148-0000 ⁵	Bull LNCQ001 ^{2, 6}	4	16	256	256	384	
10	IBM AIX: 4.3.0, 4.3.1, 4.3.2, 4.3.3	EMC CKIT-E70-AIX7	Vixel Rapport 1000 ²	4	16	256	256	384	

- For all PCI-based hosts only: See http://www-1.ibm.com/servers/eserver/pseries/library/hardware_docs/sa38/380538.pdf for appropriate HBA placement guidelines.
- All adapters must be the same type except with HP-UX.
- 8-port adapter (Model DP3-FCD8) splits the Symmetrix director into two 4-port hubs. Symmetrix still operates with only 2 ports per director. This 8-port adapter supports both FC-AL and FC-SW connections. Cascading of hubs on the same 8-port adapter to other 8-port adapters or to other EMC-qualified hubs is not supported at this time. To connect a switch to this adapter only the lowest connector of each hub can be used.
- IBM Fibre Channel storage hub 2103-H07 with short wave optical GBIC.
- Fibre Channel device driver distributed and supported by Bull.
- Bull LNCQ001-0000 = Gadzoox 9-port copper bitstrip
- No longer available
- The 200-561-9XX, and 200-563-9XX FA director families support a total of 256 LUNs per FA port. (Hewlett Packard Alpha Tru64 supports 255 LUNs.)

IBM OS/400

IBM OS/400									
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop	Comments
1	IBM OS/400: V5R1 ¹ , V5R2	IBM 2766	IBM 3534 ^{2, 3}	1	16	256		32	32

- Subject to IBM's limitations per host model.
- Direct Connect only
- FC-fanout is limited to (1), FC-LUNS/Storage port to limited to (32)

Microsoft Windows 2000

Microsoft Windows 2000									
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop	Comments
1	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² ; Microsoft Windows 2000 Datacenter: SP2 ² , SP3 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ²	Emulex: LP1050-E, LP1050DC-E, LP7000E-EMC, LP8000-EMC ³ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP9802); QLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1)	EMC DP3-FCD8 ⁴	1	16	256	128	128	See ¹
2	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² ; Microsoft Windows 2000 Datacenter: SP2 ² , SP3 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ²	Emulex: LP1050-E, LP1050DC-E, LP7000E-EMC, LP8000-EMC ³ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP9802); QLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1)	Gadzoox: 1063CM, Gibraltar GL, Gibraltar GS; Unisys OSM1000; Vixel Rapport: 1000, 2000, 2100	6	16	256	128	384	See ¹
3	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² ; Microsoft Windows 2000 Datacenter: SP2 ² , SP3 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ²	HPQ: D8602A (Agilent HHBA-5101B) ^{2, 6, 8} , D8602B (Agilent HHBA-5101C) ^{2, 6, 7} ; IBM 00N6881 (QLA2200) ⁵	Gadzoox: 1063CM, Gibraltar GL, Gibraltar GS; Unisys OSM1000; Vixel Rapport: 1000, 2000	6	16	256	128	384	See ¹

Microsoft Windows 2000									
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop	Comments
4	Microsoft Windows 2000 Server: SP2 ² , SP3 ²	QLogic QLA2204F	Vixel Rapport: 1000, 2000	2	16	256	128	256	See ¹
5	Microsoft Windows 2000: Advanced Server SP4 ² , Datacenter SP4 ² , Server SP4 ²	Emulex: LP10000-E, LP10000DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	EMC DP3-FCD8 ⁴	1	16	256	128	128	See ¹
6	Microsoft Windows 2000: Advanced Server SP4 ² , Datacenter SP4 ² , Server SP4 ²	Emulex: LP10000-E, LP10000DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	Gadzoox: 1063CM, Gibraltar GL, Gibraltar GS; Unisys OSM1000; Vixel Rapport: 1000, 2000, 2100	6	16	256	128	384	See ¹

- All adapters must be the same type except with HP-UX.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- 8-port adapter (Model DP3-FCD8) splits the Symmetrix director into two 4-port hubs. Symmetrix still operates with only 2 ports per director. This 8-port adapter supports both FC-AL and FC-SW connections. Cascading of hubs on the same 8-port adapter to other 8-port adapters or to other EMC-qualified hubs is not supported at this time. To connect a switch to this adapter only the lowest connector of each hub can be used.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- HP D8602A, D8602B support: FC-AL via direct connect only.
- The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
- (HHBA-5101BK-01)

Microsoft Windows NT

Microsoft Windows NT									
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop	Comments
1	Microsoft Windows NT 4.0 SP6A ²	Emulex LP8000-EMC ⁸	EMC DP3-FCD8 ³ ; Unisys OSM1000; Vixel Rapport: 1000, 2000	1	16	256	128	128	See ¹
2	Microsoft Windows NT 4.0 SP6A ²	Emulex: LP7000E-EMC, LP850-EMC, LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: 176479-B21, A5246A (Agilent HHBA-5000A) ^{2, 5} , D8602A (Agilent HHBA-5101B) ^{2, 7} , D8602B (Agilent HHBA-5101C) ^{2, 6} , DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2404 (LP9802); IBM 00N6881 (QLA2200) ⁴ ; QLogic: QLA2100F-EMC, QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	EMC DP3-FCD8 ³	1	16	256	128	128	See ¹
3	Microsoft Windows NT 4.0 SP6A ²	HPQ: A5246A (Agilent HHBA-5000A) ^{2, 5} , D8602A (Agilent HHBA-5101B) ^{2, 7} , D8602B (Agilent HHBA-5101C) ^{2, 6}	Gadzoox: 1063CM, Gibraltar GL, Gibraltar GS; Vixel Rapport: 1000, 2000	2	16	256	128	256	See ¹
4	Microsoft Windows NT 4.0 SP6A ²	QLogic QLA2100F-EMC	Gadzoox: 1063CM, Gibraltar GL; Unisys OSM1000; Vixel Rapport: 1000, 2000	6	16	256	128	384	See ¹
5	Microsoft Windows NT 4.0 SP6A ²	Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), PCI 1100-FC (QLA2100), PCI 1120-FC (QLA2100-EMC, QLA2100F)	EMC DP3-FCD8 ³ ; Unisys OSM1000; Vixel Rapport: 1000, 2000	6	16	256	128	384	See ¹

- All adapters must be the same type except with HP-UX.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- 8-port adapter (Model DP3-FCD8) splits the Symmetrix director into two 4-port hubs. Symmetrix still operates with only 2 ports per director. This 8-port adapter supports both FC-AL and FC-SW connections. Cascading of hubs on the same 8-port adapter to other 8-port adapters or to other EMC-qualified hubs is not supported at this time. To connect a switch to this adapter only the lowest connector of each hub can be used.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- No switch support on the HP A5246A.
- The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
- (HHBA-5101BK-01)
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Novell Netware

Novell Netware								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	Novell Netware 5.10 SP6	Emulex LP9002-E (LP9002L-E); QLogic: QLA2100F-EMC, QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP	EMC DP3-FCD8 ⁴ ; Gadzoox: 1063CM, Gibraltar GL, Gibraltar GS; Vixel Rapport: 1000, 2000	1, 6	16	256	128 ³	128, 384 ³
2	Novell Netware: 5.00 SP6A ^{2, 7} , 5.10 SP2A ² , 5.10 SP5 ² , 6.0 SP1 ^{1, 2} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹ , 6.5 ^{1, 8}	Emulex LP9002-E (LP9002L-E); HPQ D8602A (Agilent HHBA-5101B) ^{5, 6} ; QLogic: QLA2100F-EMC, QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP	EMC DP3-FCD8 ⁴ ; Gadzoox: 1063CM, Gibraltar GL, Gibraltar GS; Vixel Rapport: 1000, 2000	1, 6	16	256	128 ³	128, 384 ³

1. NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
2. Maximum number of NWFS volumes that can be mounted is 64.
3. NetWare 5.00 NSS has a 120 LUNs per port limitation. If NSS is used, the maximum LUNs per Symm-Port/HBA is 120/120.
4. 8-port adapter (Model DP3-FCD8) splits the Symmetrix director into two 4-port hubs. Symmetrix still operates with only 2 ports per director. This 8-port adapter supports both FC-AL and FC-SW connections. Cascading of hubs on the same 8-port adapter to other 8-port adapters or to other EMC-qualified hubs is not supported at this time. To connect a switch to this adapter only the lowest connector of each hub can be used.
5. (HHBA-5101BK-01)
6. EMC recommends that HBAs of different vendors not be used in the same host server.
7. Requires NWPANLM V.3.07A update from Novell website.
8. QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.

Red Hat Linux

Red Hat Linux									
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop	Comments
1	Red Hat Linux 2.1 Advanced Server v2.4.9-e.24 ²	Emulex LP9802-E ^{8, 9, 10, 12}	Vixel Rapport: 1000, 2000	6	16	256	128	128	
2	Red Hat Linux 2.1 Advanced Server v2.4.9-e.24 ^{2, 11}	Emulex: LP9002-E (LP9002L-E) ^{6, 7, 8, 9, 10} LP9002DC-E ^{4, 7, 8, 9, 10, 12} , LP9802DC-E ^{7, 8, 9, 10} , LP982-E ^{4, 7, 8, 10, 12, 13}	Vixel Rapport: 1000, 2000	6	16	256	128	128	
3	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5} , v2.4.9-E.12 ^{2, 5} , v2.4.9-E.16 ^{2, 5} , v2.4.9-E.3 ^{2, 3} , Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 5} , v2.4.9-e.16 ^{2, 5}	QLogic: QLA2200F-EMC ⁴ , QLA2310F-E-SP ⁴ , QLA2340-E-SP ⁴	Vixel Rapport: 1000, 2000	6	16	256	128	128	See ¹
4	Red Hat Linux 2.1 ES v2.4.9-e.25 ²	Emulex LP1050DC-E ^{4, 7, 8, 9, 10, 12}	Vixel Rapport: 1000, 2000	6	16	256	1238	128	See ¹
5	Red Hat Linux 2.1 ES v2.4.9-e.25 ²	Emulex: LP10000-E ^{4, 8, 9, 10, 12} , LP10000DC-E ^{4, 8, 9, 10, 12} LP1050-E ^{4, 7, 8, 9, 10, 12} , LP9002-E (LP9002L-E) ^{4, 6, 7, 8, 9, 10, 12} , LP9002DC-E ^{4, 7, 8, 9, 10, 12} , LP9802-E ^{4, 7, 8, 9, 10, 12} , LP9802DC-E ^{4, 7, 8, 9, 10, 12} , LP982-E ^{4, 7, 8, 10, 12, 13}	Vixel Rapport: 1000, 2000	6	16	256	128	128	See ¹
6	Red Hat Linux 2.1: Advanced Server v2.4.9-e.25 ² , ES v2.4.9-e.24 ²	Emulex: LP9002-E (LP9002L-E) ^{4, 6, 7, 8, 9, 10, 12} LP9002DC-E ^{4, 7, 8, 9, 10, 12} , LP9802-E ^{4, 7, 8, 9, 10, 12} , LP9802DC-E ^{4, 7, 8, 9, 10, 12} , LP982-E ^{4, 7, 8, 10, 12, 13}	Vixel Rapport: 1000, 2000	6	16	256	128	128	See ¹
7	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex: LP10000DC-E, LP9002DC-E, LP9802-E; QLogic: QLA2200F-EMC ⁴ , QLA2310F-E-SP ⁴ , QLA2340-E-SP ⁴	Vixel Rapport: 1000, 2000	6	16	256	128	128	See ¹
8	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP9002-E (LP9002L-E) ^{4, 6, 7, 8, 9, 10, 12} LP9002DC-E ^{4, 7, 8, 9, 10, 12} , LP9802-E ^{4, 7, 8, 9, 10, 12} , LP9802DC-E ^{4, 7, 8, 9, 10, 12}	Vixel Rapport: 1000, 2000	6	16	256	128	128	See ¹

1. All adapters must be the same type except with HP-UX.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPO.
3. Supported with QLogic driver v6.05.00.
4. Single HBA zoning is required regardless of the switch being utilized.
5. This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath.
6. Booting from EMC storage arrays is NOT supported with PowerPath.
7. The LP9002-E now ships with the LP9002L-E low profile adapter.
8. Host must be offline for interfamily Symmetrix microcode upgrade.
9. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
9. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
10. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
11. This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
12. Emulex driver and BIOS available from <http://www.emulex.com>.
13. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.

SuSE Linux

SuSE Linux									
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop	Comments
1	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Emulex LP1050DC-E ^{4, 7, 8, 9, 10, 12}	Vixel Rapport: 1000, 2000	6	16	256	1238	128	See ¹

SuSE Linux									
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop	Comments
2	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ²	Emulex: LP10000-E ^{4, 5, 8, 9, 10} , LP10000DC-E ^{4, 5, 8, 9, 10} , LP1050-E ^{4, 7, 8, 9, 10, 12} , LP9002-E (LP9002L-E) ^{4, 5, 6, 7, 8, 9, 10} , LP9002DC-E ^{4, 5, 7, 8, 9, 10} , LP9802-E ^{4, 5, 7, 8, 9, 10} , LP9802DC-E ^{4, 5, 7, 8, 9, 10} , LP982-E ^{4, 7, 8, 9, 10, 11}	Vixel Rapport: 1000, 2000	6	16	256	128	128	See ¹

- All adapters must be the same type except with HP-UX.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPO.
- Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from http://www.emulex.com.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**

Sun Solaris

Sun Solaris									
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop	Comments
1	Sun Solaris 2.6	Emulex: LP8000-EMC ² , LP9002-E (LP9002L-E), LP9002S-E; JN1: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCI-1063-EMC; QLogic: QLA2200F-EMC, QLA2300F-E-SP	EMC DP3-FCD8 ¹	4	16	256	128	384	
2	Sun Solaris 2.6	Emulex: LP8000-EMC ² , LP9002-E (LP9002L-E), LP9002S-E; JN1: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCI-1063-EMC; QLogic: QLA2200F-EMC, QLA2300F-E-SP	Gadzoox: 1063CM ¹ , Gibraltar GL ¹ , Gibraltar GS ¹ ; Vixel Rapport: 1000 ¹ , 2000 ¹	6	16	256	128	384	
3	Sun Solaris 2.6	JN1: FC-1063-EMC, FC64-1063-EMC, FCI-1063-EMC	STK StorageNet Access Hub 1.2 ¹	6	16	256	128	128	
4	Sun Solaris 7	Emulex: LP8000-EMC ² , LP9002-E (LP9002L-E), LP9002S-E, LP9802-E; JN1: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCI-1063-EMC, FCX2-6562-E; QLogic: QLA2200F-EMC, QLA2202FS-E, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	EMC DP3-FCD8 ¹	4	16	256	256	384	
5	Sun Solaris 7	Emulex: LP8000-EMC ² , LP9002-E (LP9002L-E), LP9002S-E, LP9802-E; JN1: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCI-1063-EMC, FCX2-6562-E; QLogic: QLA2200F-EMC, QLA2202FS-E, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Gadzoox: 1063CM ¹ , Gibraltar GL ¹ , Gibraltar GS ¹ ; Vixel Rapport: 1000 ¹ , 2000 ¹	6	16	256	256	384	
6	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ² , LP9002-E (LP9002L-E), LP9002S-E, LP9802-E; JN1: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCI-1063-EMC, FCX2-6562-E; QLogic: QLA2200F-EMC, QLA2202FS-E, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Sun: X6767A (SG-XPCI1FC-QF2), X6768A (SG-XPCI2FC-QF2)	EMC DP3-FCD8 ¹	4	16	256	256	384	
7	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP9002S-E, LP9802-E; JN1: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCI-1063-EMC, FCX2-6562-E; QLogic: QLA2202FS-E, QLA2300F-E-SP, QLA2340-E-SP	Gadzoox: 1063CM ¹ , Gibraltar GL ¹ , Gibraltar GS ¹ ; Vixel Rapport: 1000 ¹ , 2000 ¹	6	16	256	256	384	
8	Sun Solaris: 8, 9	Emulex: LP8000-EMC ² , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E; QLogic: QCP2202F-E, QLA2200F-EMC, QLA2342-E-SP; Sun: X6767A (SG-XPCI1FC-QF2), X6768A (SG-XPCI2FC-QF2)	EMC DP3-FCD8 ¹ ; Gadzoox: 1063CM ¹ , Gibraltar GL ¹ , Gibraltar GS ¹ ; Vixel Rapport: 1000 ¹ , 2000 ¹	6	16	256	256	384	

- All adapters must be the same type except with HP-UX.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Fibre Connectivity: Switch

Fanout represents the maximum initiators (host adapters) per array port. Fanin represents the number of array ports visible to a single initiator (host adapter). In arbitrated loop environments, these numbers represent the maximum initiators per loop. In switch environments, these numbers are achieved through Zoning. For further details on Fanin/Fanout, see the Connectrix Enterprise Storage Network Planning Guide, EMC Networked Storage Topology Guide, and CLARiiON Open Systems Configuration Guide. For Switch Firmware levels and other fabric parameters, see Switched Fabric Topology parameters.

DG DG/UX

DG DG/UX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	DG DG/UX R4.20MU06	Emulex LP8000-EMC ¹	Brocade Silkworm: 12000, 2400 , 2800 , 3900, 6400; EMC Connectrix: DS-16B² , DS-8B	6	16	256	256	N
2	DG DG/UX R4.20MU06	Emulex LP8000-F1	Brocade Silkworm: 2400 , 2800 , 6400 ; EMC Connectrix: DS-16B² , DS-8B	6	16	256	256	N
3	DG DG/UX R4.20MU07	Emulex LP8000-F1	Brocade Silkworm: 2400 , 2800 , 6400 ; EMC Connectrix: DS-16B^{2,3} , DS-16B² , DS-8B	6	16	256	256	N

1. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
2. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
3. EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

EMC NAS

EMC NAS								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	EMC NAS 2.2.60	EMC: 201-712-900, 250-736-900	Brocade Silkworm: 2400, 2800, 3800, 3900 ; EMC Connectrix: DS-16B^{2,5} , DS-16B³ , DS-16M , DS-16M2 , DS-24M2 , DS-32B^{2,4} , DS-32M , DS-32M2 , DS-8B , DS-8B2 , ED-1032 , ED-12000B⁴ , ED-140M , ED-64M ; EMC: DP3-SCB1, DP3-SCQ1; Fujitsu Siemens PSFS-B161; McDATA: ED-5000 , ED-6064 , ED-6140 , ES-2500 , ES-3016 , ES-3032 , ES-3216 , ES-3232 , ES-4500	6	16	256	4096 ¹	N ²
2	EMC NAS 5.0.9	EMC: 201-712-900, 250-734-902, 250-735-900, 250-736-900	Brocade Silkworm: 2400, 2800, 3800, 3900 ; Cisco MDS: 9216, 9509 ; EMC Connectrix: DS-16B^{2,5} , DS-16B³ , DS-16M , DS-16M2 , DS-24M2 , DS-32B^{2,4} , DS-32M , DS-32M2 , DS-8B , DS-8B2 , ED-1032 , ED-140M , ED-64M ; EMC: DP3-SCB1, DP3-SCQ1; Fujitsu Siemens PSFS-B161; McDATA: ED-5000 , ED-6064 , ED-6140 , ES-2500 , ES-3016 , ES-3032 , ES-3216 , ES-3232 , ES-4500	6	16	256	4096 ¹	N ²
3	EMC NAS 5.1.19	EMC: 201-712-900, 250-734-902, 250-735-900, 250-736-900	Brocade Silkworm: 2400, 2800, 3800, 3900 ; Cisco MDS: 9216, 9509 ; EMC Connectrix: DS-16B^{2,5} , DS-16B³ , DS-16M , DS-16M2 , DS-24M2 , DS-32B^{2,4} , DS-32M , DS-32M2 , DS-8B , DS-8B2 , ED-1032 , ED-12000B⁴ , ED-140M , ED-64M ; Fujitsu Siemens PSFS-B161; McDATA: ED-5000 , ED-6064 , ED-6140 , ES-2500 , ES-3016 , ES-3032 , ES-3216 , ES-3232 , ES-4500	6	16	256	4096 ¹	N ²
4	EMC NAS: 2.2.25, 2.2.49	EMC: 201-712-900, 250-736-900	Brocade Silkworm: 2400 , 2800 ; EMC Connectrix: DS-16B³ , DS-16M , DS-16M2 , DS-24M2 , DS-32M , DS-32M2 , DS-8B , ED-1032 , ED-12000B⁴ , ED-64M ; Fujitsu Siemens PSFS-B161; McDATA: ED-5000 , ED-6064 , ES-2500 , ES-3016 , ES-3032 , ES-3216 , ES-3232 , ES-4500	6	16	256	4096 ¹	N ²
5	EMC NAS: 4.1.12, 4.2.11	EMC: 201-712-900, 250-734-902, 250-735-900, 250-736-900	Brocade Silkworm: 2400, 2800, 3800, 3900 ; EMC Connectrix: DS-16B^{2,5} , DS-16B³ , DS-16M , DS-16M2 , DS-24M2 , DS-32B^{2,4} , DS-32M , DS-32M2 , DS-8B , DS-8B2 , ED-1032 , ED-12000B⁴ , ED-140M , ED-64M ; EMC: DP3-SCB1, DP3-SCQ1; Fujitsu Siemens PSFS-B161; McDATA: ED-5000 , ED-6064 , ED-6140 , ES-2500 , ES-3016 , ES-3032 , ES-3216 , ES-3232 , ES-4500	6	16	256	4096 ¹	N ²
6	EMC NAS: 4.1.8, 4.2.18, 4.2.22, 4.2.5	EMC: 201-712-900, 250-734-902, 250-735-900, 250-736-900	Brocade Silkworm: 2400, 2800, 3800, 3900 ; EMC Connectrix: DS-16B^{2,5} , DS-16B³ , DS-16M , DS-16M2 , DS-24M2 , DS-32B^{2,4} , DS-32M , DS-32M2 , DS-8B , DS-8B2 , ED-1032 , ED-140M , ED-64M ; EMC: DP3-SCB1, DP3-SCQ1; Fujitsu Siemens PSFS-B161; McDATA: ED-5000 , ED-6064 , ED-6140 , ES-2500 , ES-3016 , ES-3032 , ES-3216 , ES-3232 , ES-4500	6	16	256	4096 ¹	N ²
7	EMC NAS: 5.0.11, 5.1.15, 5.1.18, 5.1.9	EMC: 201-712-900, 250-734-902, 250-735-900, 250-736-900	Brocade Silkworm: 2400, 2800, 3800, 3900 ; Cisco MDS: 9216, 9509 ; EMC Connectrix: DS-16B^{2,5} , DS-16B³ , DS-16M , DS-16M2 , DS-24M2 , DS-32B^{2,4} , DS-32M , DS-32M2 , DS-8B , DS-8B2 , ED-1032 , ED-12000B⁴ , ED-140M , ED-64M ; EMC: DP3-SCB1, DP3-SCQ1; Fujitsu Siemens PSFS-B161; McDATA: ED-5000 , ED-6064 , ED-6140 , ES-2500 , ES-3016 , ES-3032 , ES-3216 , ES-3232 , ES-4500	6	16	256	4096 ¹	N ²

1. Addressable from Data Mover. Constrained by the number of targets addressable through a Symmetrix FA port.
2. "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "N" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA): 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port. 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/ Fanin of 12:1/1:12 and Netware using the QLA2200F, which has a Fanout/Fanin of 6: 1/1:6. The Fanout/Fanin is restricted to 6:1/1:6. 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information. 4. Reference the Heterogeneous FA Port Sharing section of Director Bit Information. 5. Microcode level 5x66 and above.
3. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
4. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
5. EMC DS-16B2 for "Extended Fabric License" , use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

Fuji Serv (ICL) Open VME

Fuji Serv (ICL) Open VME								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Fuji Serv (ICL) Open VME 4 ¹	QLogic QLA2200F	Brocade Silkworm: 2400, 2800; EMC Connectrix: DS-16B ² , DS-8B	6	16	256	256	N
2	Fuji Serv (ICL) Open VME: 3, 4 ¹	QLogic QLA2100F	Brocade Silkworm: 2400 ³ , 2800 ³ ; EMC Connectrix: DS-16B ^{2, 3} , DS-8B ³	6	16	256	32	N
3	Fuji Serv (ICL) Open VME: 4.2, 5	QLogic QLA2200F	Brocade Silkworm: 2400, 2800, 3200, 3800; EMC Connectrix: DS-16B ^{2, 4} , DS-16B ² , DS-16M, DS-32M, DS-8B, ED-64M; McDATA: ED-6064, ES-3016, ES-3032 ⁵	6	16	256	256	Y

1. Requires OV/K/0041.3
2. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
3. Quick Loop Only
4. EMC DS-16B2 for "Extended Fabric License" , use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
5. E/OS version 4.01.02

Fujitsu Solaris

Fujitsu Solaris								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Fujitsu Solaris 7	Fujitsu GP7B8FC1	Brocade Silkworm: 12000 ¹ , 2400 ¹ , 2800 ¹ , 3900 ¹ , 6400 ¹ ; EMC Connectrix: DS-16B ^{1, 2} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2, 3} , DS-32M, DS-32M2, DS-8B ¹ , ED-1032 ¹ , ED-12000B ³ , ED-64M; EMC: DP3-SCB1 ¹ , DP3-SCQ1 ¹	12	16	256	256	Y
2	Fujitsu Solaris: 8, 9 09/02 ⁴	Fujitsu GP7B8FC1	Brocade Silkworm: 12000 ¹ , 2400 ¹ , 2800 ¹ , 3900 ¹ , 6400 ¹ ; EMC Connectrix: DS-16B ^{1, 2} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2, 3} , DS-32M, DS-32M2, DS-8B ¹ , ED-1032 ¹ , ED-12000B ³ , ED-140M, ED-64M; EMC: DP3-SCB1 ¹ , DP3-SCQ1 ¹ ; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	16	256	256	Y

1. The 200-561-9XX, and 200-563-9XX FA director families support a total of 256 LUNs per FA port. (Hewlett Packard Alpha Tru64 supports 255 LUNs.)
2. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
3. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
4. Fujitsu requires that all patches for Solaris 9 be obtained through Fujitsu in the form of a Solaris 9 PTF patch CD. The current patch CD is Solaris 9 PTF R03111.

Fujitsu Siemens BS2000/OSD

Fujitsu Siemens BS2000/OSD								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Fujitsu Siemens BS2000/OSD V5.0	Fujitsu Siemens: GS214FC05, GS216FC05, GS8551C05, GS8951C05	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 6400; EMC Connectrix: DS-16B ^{2, 3} , DS-16B ² , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ¹ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	4	16	256	256	N

1. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
2. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
3. EMC DS-16B2 for "Extended Fabric License" , use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

Fujitsu Siemens OSD/XC

Fujitsu Siemens OSD/XC								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Fujitsu Siemens OSD/XC: V1.0, V1.1	Fujitsu Siemens: GP70F-CF10 (Emulex LP8000-F1), GP70F-CF30 (Emulex LP9002L-F2), GP70F-CF31 (Emulex LP9802-F3) ⁴	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ³ , DS-16B ¹ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ² , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ² , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	6	16	256	256	Y

1. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
2. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
3. EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
4. Requires firmware 1.01a2 or higher with driver 5.02c

Fujitsu Siemens Reliant UNIX

Fujitsu Siemens Reliant UNIX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Fujitsu Siemens Reliant UNIX V5.45B00	Fujitsu Siemens RM6T5-CF10	Brocade Silkworm: 3200, 3800, 3900; EMC Connectrix: DS-16B2 ⁴ , DS-24M2, DS-32B2 ³ , ED-140M; McDATA: ED-6140, ES-4500	6	16	256	256	N
2	Fujitsu Siemens Reliant UNIX V5.45B20	Fujitsu Siemens RM6T5-CF10	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 6400; EMC Connectrix: DS-16B2 ⁴ , DS-16B ¹ , DS-16M, DS-16M2, DS-32B2 ³ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ³ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; Fujitsu Siemens PSFS-B161 ² ; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232	6	16	256	256	N
3	Fujitsu Siemens Reliant UNIX: V5.43C50, V5.44C40, V5.45A30	Fujitsu Siemens RM6T5-CF10	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁴ , DS-16B ¹ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ³ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ³ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; Fujitsu Siemens PSFS-B161 ² ; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	6	16	256	256	N

1. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
2. is a Brocade 2800.
3. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
4. EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

Fujitsu Siemens Solaris

Fujitsu Siemens Solaris								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Fujitsu Siemens Solaris 2.6	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X)	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; EMC Connectrix: DS-16B ³ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁴ , ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	6	16	256	128 (Sol 2,6) 256 (Sol 7,8,9), 256	Y
2	Fujitsu Siemens Solaris: 2.6 May 98, 7 Nov 99, 8 02/02, 8 850/650, 9 04/03	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X)	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; EMC Connectrix: DS-16B ³ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁴ , ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	6	16	256	128 Sol 6. 256 Sol 7,8,9	Y
3	Fujitsu Siemens Solaris: 2.6, 2.6 May 98, 7 Nov 99, 8 02/02, 8 850/650, 9 04/03	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{1, 2}	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; EMC Connectrix: DS-16B ³ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁴ , ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	6	16	256	256	Y

Fujitsu Siemens Solaris								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
4	Fujitsu Siemens Solaris: 2.6, 2.6 May 98, 7, 7 Nov 99	Fujitsu Siemens LP9002-E (LP9002L-E) GP70F-CF30	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; EMC Connectrix: DS-16B ³ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,4} , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁴ , ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	6	16	256	256	Y
5	Fujitsu Siemens Solaris: 2.6, 2.6 May 98, 7, 7 Nov 99, 8, 8 02/02, 8 850/650, 9 04/03	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{1, 2}	EMC: Connectrix DS-32B ^{2,4} , DP3-SCB1, DP3-SCQ1	6	16	256	128(Sol 2.6), 256(Sol 7.8)	Y
6	Fujitsu Siemens Solaris: 7, 8	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X)	EMC: Connectrix DS-32B ^{2,4} , DP3-SCB1, DP3-SCQ1	6	16	256	256	Y
7	Fujitsu Siemens Solaris: 7, 8	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{1, 2}	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; EMC Connectrix: DS-16B ³ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁴ , ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	6	16	256	256	Y
8	Fujitsu Siemens Solaris: 8, 8 02/02, 8 850/650, 9 04/03	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; EMC Connectrix: DS-16B ³ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,4} , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁴ , ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	6	16	256	256	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
3. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
4. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.

HPQ HP-UX

HPQ HP-UX									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
1	HPQ HP-UX 11.0 990P ^{15, 16, 30}	HPQ A5158A	Brocade Silkworm: 12000 ²⁷ , 2400 ^{4, 8} ; EMC Connectrix: DS-16B ^{2,4} , 8, 22, 23, 24, DS-16B ³ , 4, 6, 7, 8, 17, 18, 19, 20, 21 DS-16M2, DS-16M ^{4, 8} , DS-24M2, DS-32B ^{2,28} , DS-32M2, DS-32M ^{4, 8} , ED-1032 ^{3, 4, 7, 8, 26} , ED-12000B ^{27, 28} , ED-64M ^{4, 8} ; EMC: DP3-SCB1 ^{4, 8} , DP3-SCQ1 ⁸ ; HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58} ; Inrange FC9000/64 ^{26, 55, 56} ; McDATA: ED-5000 ^{3, 4, 7, 8, 26} , ES-3216, ES-3232	12 ¹³	16	256	320 ^{1, 9, 10, 512^{1, 12, 25}}	Y ¹⁴	
2	HPQ HP-UX 11.0 990P ^{15, 16, 30}	HPQ A6684A	Brocade Silkworm: 12000 ²⁷ , 2400 ^{4, 8} ; EMC Connectrix: DS-16B ^{2,4} , 8, 22, 23, 24, DS-16B ³ , 4, 6, 7, 8, 17, 18, 19, 20, 21 DS-16M2, DS-16M ^{4, 8} , DS-24M2, DS-32B ^{2,28} , DS-32M2, DS-32M ^{4, 8} , ED-1032 ^{3, 4, 7, 8, 26} , ED-12000B ^{27, 28} , ED-64M ^{4, 8} ; EMC: DP3-SCB1 ^{4, 8} , DP3-SCQ1 ⁸ ; HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58} ; Inrange FC9000/64 ^{26, 55, 56} ; McDATA: ED-5000 ^{3, 4, 7, 8, 26} , ES-3216, ES-3232	12 ¹³	16	256	320 ^{1, 9, 10, 512^{1, 11, 12, 25}}	Y ¹⁴	
3	HPQ HP-UX 11.0 990P ^{15, 16, 30}	HPQ A6685A	Brocade Silkworm: 12000 ²⁷ , 2400 ^{4, 8} ; EMC Connectrix: DS-16B ^{2,4} , 8, 22, 23, 24, DS-16B ³ , 4, 6, 7, 8, 17, 18, 19, 20, 21 DS-16M2, DS-16M ^{4, 8} , DS-24M2, DS-32B ^{2,28} , DS-32M2, DS-32M ^{4, 8} , ED-1032 ^{3, 4, 7, 8, 26} , ED-12000B ^{27, 28} , ED-64M ^{4, 8} ; EMC: DP3-SCB1 ^{4, 8} , DP3-SCQ1 ⁸ ; HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58} ; Inrange FC9000/64 ^{26, 55, 56} ; McDATA: ED-5000 ^{3, 4, 7, 8, 26} , ES-3216, ES-3232, ES-4500	12 ¹³	16	256	320 ^{1, 9, 10, 512^{1, 11, 12, 25}}	Y ¹⁴	

HPQ HP-UX									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
4	HPQ HP-UX 11.0 990P ^{15, 16, 30}	HPQ A6795A ²⁹	Brocade Silkworm: 12000 ²⁷ , 2400 ^{4, 8} ; EMC Connectrix: DS-16B ^{2, 4, 8, 22, 23, 24} , DS-16B ^{3, 4, 6, 7, 8, 17, 18, 19, 20, 21} , DS-16M ² , DS-16M ^{4, 8} , DS-24M ² , DS-32B ^{2, 28} , DS-32M ² , DS-32M ^{4, 8} , ED-1032 ^{3, 4, 7, 8, 26} , ED-12000B ^{27, 28} , ED-64M ^{4, 8} ; EMC: DP3-SCB1 ^{4, 8} , DP3-SCQ1 ⁸ ; HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58} ; Inrange FC9000/64 ^{26, 55, 56} . McDATA: ED-5000 ^{3, 4, 7, 8, 26} , ES-3216, ES-3232, ES-4500	12 ¹³	16	256	320 ^{1, 10, 512^{1, 12, 25}}	Y ¹⁴	
5	HPQ HP-UX 11.0 ACE ^{15, 16}	HPQ: A5158A, A6795A ²⁹	Brocade Silkworm: 12000 ²⁷ , 2400 ^{4, 8} ; EMC Connectrix: DS-16B ^{2, 4, 8, 22, 23, 24} , DS-16B ^{3, 4, 6, 7, 8, 17, 18, 19, 20, 21} , DS-16M ² , DS-16M ^{4, 8} , DS-24M ² , DS-32B ^{2, 28} , DS-32M ² , DS-32M ^{4, 8} , ED-1032 ^{3, 4, 7, 8, 26} , ED-12000B ^{27, 28} , ED-64M ^{4, 8} ; EMC: DP3-SCB1 ^{4, 8} , DP3-SCQ1 ⁸ ; HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58} ; Inrange FC9000/64 ^{26, 55, 56} . McDATA: ED-5000 ^{3, 4, 7, 8, 26} , ES-3216, ES-3232, ES-4500	12 ¹³	16	256	320 ^{1, 10, 512^{1, 12, 25}}	Y ¹⁴	
6	HPQ HP-UX 11.0 ACE ^{15, 16}	HPQ: A6684A, A6685A	Brocade Silkworm: 12000 ²⁷ , 2400 ^{4, 8} ; EMC Connectrix: DS-16B ^{2, 4, 8, 22, 23, 24} , DS-16B ^{3, 4, 6, 7, 8, 17, 18, 19, 20, 21} , DS-16M ² , DS-16M ^{4, 8} , DS-24M ² , DS-32B ^{2, 28} , DS-32M ² , DS-32M ^{4, 8} , ED-1032 ^{3, 4, 7, 8, 26} , ED-12000B ^{27, 28} , ED-64M ^{4, 8} ; EMC: DP3-SCB1 ^{4, 8} , DP3-SCQ1 ⁸ ; HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58} ; Inrange FC9000/64 ^{26, 55, 56} . McDATA: ED-5000 ^{3, 4, 7, 8, 26} , ES-3216, ES-3232, ES-4500	12 ¹³	16	256	320 ^{1, 9, 10, 512^{1, 11, 12, 25}}	Y ¹⁴	
7	HPQ HP-UX 11.0 ACE ¹⁶	HPQ: A5158A, A6795A ²⁹	EMC Connectrix DS-8B2	12	16	256	320 ^{1, 10, 512^{1, 12}}	N	
8	HPQ HP-UX 11.0 ACE ¹⁶	HPQ: A5158A, A6795A ²⁹	EMC Connectrix DS-8B2 ²	12	16	256	320 ^{1, 10, 512^{1, 12}}	Y ¹⁴	See ⁶⁵
9	HPQ HP-UX 11.0 ACE ¹⁶	HPQ: A6684A, A6685A	EMC Connectrix DS-8B2	12	16	256	320 ^{1, 9, 10, 512^{1, 11, 12}}	N	
10	HPQ HP-UX 11.0 ACE ¹⁶	HPQ: A6684A, A6685A	EMC Connectrix DS-8B2 ²	12	16	256	320 ^{1, 9, 10, 512^{1, 11, 12}}	Y ¹⁴	See ⁶⁵
11	HPQ HP-UX 11.0 March 2003 ¹⁶	HPQ A5158A	Cisco MDS 9509 ⁶⁴	12	16	256	320, 512	Y	
12	HPQ HP-UX 11.0 March 2003 ¹⁶	HPQ A6795A ²⁹	Cisco MDS 9216 ⁶⁴	12	16	256	512	Y	
13	HPQ HP-UX 11.0 Sept 2001 ^{15, 16}	HPQ A6795A ²⁹	Cisco MDS 9509 ⁶⁴	16 ¹³	16	256	320 ^{1, 10, 512^{1, 12, 25}}	Y ¹⁴	See ⁵⁹
14	HPQ HP-UX 11.0 Sept 2001 ^{15, 16}	HPQ A6795A ²⁹	Cisco MDS 9509 ⁶⁴	24 ¹³	16	256	320 ^{1, 10, 512^{1, 12, 25}}	Y ¹⁴	See ⁵⁹
15	HPQ HP-UX 11.0 Sept 2001 ^{15, 16, 30}	HPQ A6795A ²⁹	Cisco MDS 9509 ⁶⁴	12 ¹³	16	256	320 ^{1, 10, 512^{1, 12, 25}}	Y ^{14, 37, 38}	
16	HPQ HP-UX 11.0 Sept 2001 ¹⁶	HPQ A6795A ²⁹	Cisco MDS 9509 ⁶⁴	1	16	256	512	N	
17	HPQ HP-UX 11.0 Sept 2001 ^{16, 30, 43, 46, 47, 48, 49, 50}	HPQ A6795A ²⁹	Cisco MDS 9509 ⁶⁴	12 ¹³	16	256	512 ^{1, 12}	Y ^{37, 38}	
18	HPQ HP-UX 11.0: 990P ^{15, 16, 30} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{15, 16, 30}	HPQ: A3591A ³⁴ , A3591B ³⁴ , A3636A ³⁴ , A3740A ³⁴ , A5158A, A6684A, A6685A, A6795A ²⁹	Brocade Silkworm 2800 ^{35, 39, 40, 41}	12	16	256	320 ^{1, 10, 512^{1, 12}}	Y ^{37, 38}	
19	HPQ HP-UX 11.0: 990P ^{15, 16, 30} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{16, 30}	HPQ A3591A	Brocade Silkworm 2400 ^{4, 8} ; EMC Connectrix: DS-16B ^{2, 4, 8, 22, 23, 24} , DS-16B ^{3, 4, 6, 7, 8, 17, 18, 19, 20, 21} ; HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58} ; Inrange FC9000/64 ^{26, 55, 56}	12 ¹³	16	256	320 ^{1, 9, 10, 512^{1, 11, 12}}	Y ¹⁴	
20	HPQ HP-UX 11.0: 990P ^{15, 16, 30} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{16, 30}	HPQ A3591B	Brocade Silkworm 2400 ^{4, 8} ; EMC Connectrix: DS-16B ^{2, 4, 8, 22, 23, 24} , DS-16B ^{3, 4, 6, 7, 8, 17, 18, 19, 20, 21} ; HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58} ; Inrange FC9000/64 ^{26, 55, 56}	12 ¹³	16	256	320 ^{1, 9, 10, 512^{1, 11, 12, 25}}	Y ¹⁴	
21	HPQ HP-UX 11.0: 990P ^{15, 16, 30} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{16, 30}	HPQ A3636A	Brocade Silkworm 2400 ^{4, 8} ; EMC Connectrix: DS-16B ^{2, 4, 8, 22, 23, 24} , DS-16B ^{3, 4, 6, 7, 8, 17, 18, 19, 20, 21} ; HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58}	12 ¹³	16	256	320 ^{1, 9, 10, 512^{1, 11, 12}}	Y ¹⁴	

HPQ HP-UX									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
22	HPQ HP-UX 11.0: 990P ^{15, 16, 30} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{16, 30}	HPQ A3740A	Brocade Silkworm 2400 ^{4, 8} ; EMC Connectrix: DS-16B ^{24, 8, 22, 23, 24} , DS-16B ^{3, 4, 6, 7, 8, 17, 18, 19, 20, 21} ; HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58}	12 ¹³	16	256	320 ^{1, 10} , 512 ^{1, 12}	Y ¹⁴	
23	HPQ HP-UX 11.0: 990P ^{15, 16, 30} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{16, 30}	HPQ A3740A ⁵	EMC Connectrix DS-8B ^{1, 2, 3, 4, 5, 6, 7, 8}	12 ¹³	16	256	320 ^{1, 10} , 512 ^{1, 12}	Y ¹⁴	
24	HPQ HP-UX 11.0: 990P ^{15, 16, 30} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{16, 30}	HPQ: A3591A ³⁴ , A3591B ³⁴ , A3636A ³⁴ , A3740A ³⁴	Brocade Silkworm: 3200 ^{23, 35, 36} , 3800 ^{23, 35, 36}	12 ¹³	16	256	320 ^{1, 10} , 512 ^{1, 12}	Y ^{37, 38}	
25	HPQ HP-UX 11.0: 990P ^{15, 16, 30} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{16, 30}	HPQ: A3591A ⁵ , A3636A ⁵	EMC Connectrix DS-8B ^{1, 2, 3, 4, 5, 6, 7, 8}	12 ¹³	16	256	320 ^{1, 9, 10} , 512 ^{1, 11, 12}	Y ¹⁴	
26	HPQ HP-UX 11.0: 990P ^{15, 16, 30} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{16, 30}	HPQ: A5158A, A6684A, A6685A, A6795A ²⁹	Brocade Silkworm: 3200 ^{23, 35, 36} , 3800 ^{23, 35, 36} , 3900 ^{35, 36} , 6400 ^{35, 36}	12 ¹³	16	256	320 ^{1, 10} , 512 ^{1, 12}	Y ^{37, 38}	
27	HPQ HP-UX 11.0: 990P ^{15, 16, 30} , ACE ^{15, 16} ; HPQ HP-UX: 11.0 ^{16, 30} , 11i v1.0 (HP-UX 11.1) ^{15, 16, 31, 32}	HPQ: A3591B ⁵ , A6684A ⁵ , A6685A ⁵	EMC Connectrix DS-8B ^{1, 2, 3, 4, 5, 6, 7, 8}	12 ¹³	16	256	320 ^{1, 9, 10} , 512 ^{1, 11, 12, 25}	Y ¹⁴	
28	HPQ HP-UX 11.0: 990P ^{15, 16, 30} , ACE ^{15, 16} ; HPQ HP-UX: 11.0 ^{16, 30} , 11i v1.0 (HP-UX 11.1) ^{15, 16, 31, 32}	HPQ: A5158A ⁵ , A6795A ^{5, 29}	EMC Connectrix DS-8B ^{1, 2, 3, 4, 5, 6, 7, 8}	12 ¹³	16	256	320 ^{1, 10} , 512 ^{1, 12, 25}	Y ¹⁴	
29	HPQ HP-UX 11.0: 990P ^{15, 16} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{15, 16}	HPQ A3591B	Brocade Silkworm 2400 ^{18, 39} ; EMC Connectrix: DS-16B ^{17, 18, 19, 20, 21, 39, 60} , DS-8B ^{21, 39, 60} ; HPQ: A5624A ^{17, 21, 39, 57, 58, 60} , A5667A ^{17, 21, 39, 57, 58, 60}	24 ¹³	16	256	320 ^{1, 9, 10} , 512 ^{1, 11, 12, 25}	Y ¹⁴	See ⁵⁹
30	HPQ HP-UX 11.0: 990P ^{15, 16} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{15, 16}	HPQ A3740A	Brocade Silkworm 2400 ^{18, 39} ; EMC Connectrix: DS-16B ^{17, 18, 19, 20, 21, 39, 60} , DS-8B ^{21, 39, 60} ; HPQ: A5624A ^{17, 21, 39, 57, 58, 60} , A5667A ^{17, 21, 39, 57, 58, 60}	24 ¹³	16	256	320 ^{1, 10} , 512 ^{1, 12}	Y ¹⁴	See ⁵⁹
31	HPQ HP-UX 11.0: 990P ^{15, 16} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{15, 16}	HPQ A3740A ⁵	HPQ: A5223A/AZ ^{17, 39, 60, 62, 63} , A5224A/AZ ^{17, 39, 60, 62, 63}	16 ¹³	16	256	320 ^{1, 10} , 512 ^{1, 12}	Y ¹⁴	See ⁵⁹
32	HPQ HP-UX 11.0: 990P ^{15, 16} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{15, 16}	HPQ: A3591A, A3636A	Brocade Silkworm 2400 ^{18, 39} ; EMC Connectrix: DS-16B ^{17, 18, 19, 20, 21, 39, 60} , DS-8B ^{21, 39, 60} ; HPQ: A5624A ^{17, 21, 39, 57, 58, 60} , A5667A ^{17, 21, 39, 57, 58, 60}	24 ¹³	16	256	320 ^{1, 9, 10} , 512 ^{1, 11, 12}	Y ¹⁴	See ⁵⁹
33	HPQ HP-UX 11.0: 990P ^{15, 16} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{15, 16}	HPQ: A3591A ⁵ , A3636A ⁵	HPQ: A5223A/AZ ^{17, 39, 60, 62, 63} , A5224A/AZ ^{17, 39, 60, 62, 63}	16 ¹³	16	256	320 ^{1, 9, 10} , 512 ^{1, 11, 12}	Y ¹⁴	See ⁵⁹
34	HPQ HP-UX 11.0: 990P ^{15, 16} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{15, 16}	HPQ: A5158A, A6795A ²⁹	Brocade Silkworm 2400 ^{18, 39} ; EMC Connectrix: DS-16B ^{17, 18, 19, 20, 21, 39, 60} , DS-32B ²⁸ , DS-8B ^{21, 39, 60} ; HPQ: A5624A ^{17, 21, 39, 57, 58, 60} , A5667A ^{17, 21, 39, 57, 58, 60}	24 ¹³	16	256	320 ^{1, 10} , 512 ^{1, 12, 25}	Y ¹⁴	See ⁵⁹
35	HPQ HP-UX 11.0: 990P ^{15, 16} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{15, 16}	HPQ: A5158A ⁵ , A6795A ^{5, 29}	EMC Connectrix DS-32B ^{28, 63} ; HPQ: A5223A/AZ ^{17, 39, 60, 62, 63} , A5224A/AZ ^{17, 39, 60, 62, 63}	16 ¹³	16	256	320 ^{1, 10} , 512 ^{1, 12, 25}	Y ¹⁴	See ⁵⁹
36	HPQ HP-UX 11.0: 990P ^{15, 16} , ACE ^{15, 16} ; HPQ HP-UX 11.0 ^{15, 16}	HPQ: A6684A, A6685A	Brocade Silkworm 2400 ^{18, 39} ; EMC Connectrix: DS-16B ^{17, 18, 19, 20, 21, 39, 60} , DS-32B ²⁸ , DS-8B ^{21, 39, 60} ; HPQ: A5624A ^{17, 21, 39, 57, 58, 60} , A5667A ^{17, 21, 39, 57, 58, 60}	24 ¹³	16	256	320 ^{1, 9, 10} , 512 ^{1, 11, 12, 25}	Y ¹⁴	See ⁵⁹
37	HPQ HP-UX 11.0: 990P ^{15, 16} , ACE ^{15, 16} ; HPQ HP-UX: 11.0 ^{15, 16} , 11i v1.0 (HP-UX 11.1) ^{15, 16, 31, 32}	HPQ A3591B ⁵	HPQ: A5223A/AZ ^{17, 39, 60, 62, 63} , A5224A/AZ ^{17, 39, 60, 62, 63}	16 ¹³	16	256	320 ^{1, 9, 10} , 512 ^{1, 11, 12, 25}	Y ¹⁴	See ⁵⁹
38	HPQ HP-UX 11.0: 990P ^{15, 16} , ACE ^{15, 16} ; HPQ HP-UX: 11.0 ^{15, 16} , 11i v1.0 (HP-UX 11.1) ^{15, 16, 31, 32}	HPQ: A6684A ⁵ , A6685A ⁵	EMC Connectrix DS-32B ^{28, 63} ; HPQ: A5223A/AZ ^{17, 39, 60, 62, 63} , A5224A/AZ ^{17, 39, 60, 62, 63}	16 ¹³	16	256	320 ^{1, 9, 10} , 512 ^{1, 11, 12, 25}	Y ¹⁴	See ⁵⁹

HPQ HP-UX									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
39	HPQ HP-UX 11.0: 990P ^{16, 30, 43, 46, 47, 48, 49, 50} , ACE ^{16, 43, 46, 47, 48, 49, 50} , HPQ HP-UX 11.0 ^{16, 30, 43, 46, 47, 48, 49, 50}	HPQ: A5158A, A6684A, A6685A, A6795A ²⁹	McDATA ES-3016 ^{35, 52}	12	16	256	512 ¹²	Y ^{37, 38}	
40	HPQ HP-UX 11.0: 990P ^{16, 30, 43, 46, 47, 48, 49, 50} , ACE ^{16, 43, 46, 47, 48, 49, 50} , HPQ HP-UX 11.0 ^{16, 30, 43, 46, 47, 48, 49, 50}	HPQ: A5158A, A6684A, A6685A, A6795A ²⁹	McDATA ES-3032 ^{35, 52}	12	16	256	512 ^{1, 12}	Y ^{37, 38}	
41	HPQ HP-UX 11.0: 990P ^{16, 30, 43, 46, 48, 49, 50} , ACE ^{16, 43, 46, 48, 49, 50} , HPQ HP-UX 11.0 ^{16, 30, 43, 46, 48, 49, 50}	HPQ: A5158A, A6684A, A6685A, A6795A ²⁹	McDATA ED-6064 ^{35, 52}	12 ¹³	16	256	512 ^{1, 12}	Y ^{37, 38}	
42	HPQ HP-UX 11.0: 990P ^{16, 30, 43, 46, 48, 49, 50} , ACE ^{16, 43, 46, 48, 49, 50} , HPQ HP-UX 11.0 ^{16, 30, 43, 46, 48, 49, 50}	HPQ: A5158A, A6684A, A6685A, A6795A ²⁹	McDATA ED-6140 ^{35, 52}	12	16	256	512 ¹²	Y ^{37, 38}	
43	HPQ HP-UX 11.0 ^{16, 30}	HPQ: A5158A, A6684A, A6685A, A6795A ²⁹	EMC Connectrix ED-140M	1	16	256	512	N	
44	HPQ HP-UX 11.0 ^{16, 30}	HPQ: A5158A, A6795A ²⁹	Brocade Silkstorm: 12000 ⁴² , 2400 ^{4, 8} , EMC Connectrix: DS-16B ^{24, 8, 22, 23, 24} , DS-16B ^{3, 4, 6, 7, 8, 17, 18, 19, 20, 21} , DS-16M ^{2, 8} , DS-24M ² , DS-32B ²²⁸ , DS-32M ² , DS-32M ^{4, 8} , ED-1032 ^{3, 4, 7, 8, 26} , ED-12000B ^{27, 28} , ED-64M ^{4, 8} , EMC: DP3-SCB1 ^{4, 8} , DP3-SCQ1 ⁸ , HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58} , Inrange FC9000/64 ^{26, 55, 56} , McDATA: ED-5000 ^{3, 4, 7, 8, 26} , ES-3216, ES-3232, ES-4500	12 ¹³	16	256	320 ^{1, 10, 512^{1, 12, 25}}	Y ¹⁴	
45	HPQ HP-UX 11.0 ^{16, 30}	HPQ: A6684A, A6685A	Brocade Silkstorm: 12000 ⁴² , 2400 ^{4, 8} , EMC Connectrix: DS-16B ^{24, 8, 22, 23, 24} , DS-16B ^{3, 4, 6, 7, 8, 17, 18, 19, 20, 21} , DS-16M ^{2, 8} , DS-24M ² , DS-32B ²²⁸ , DS-32M ² , DS-32M ^{4, 8} , ED-1032 ^{3, 4, 7, 8, 26} , ED-12000B ^{27, 28} , ED-64M ^{4, 8} , EMC: DP3-SCB1 ^{4, 8} , DP3-SCQ1 ⁸ , HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58} , Inrange FC9000/64 ^{26, 55, 56} , McDATA: ED-5000 ^{3, 4, 7, 8, 26} , ES-3216, ES-3232, ES-4500	12 ¹³	16	256	320 ^{1, 9, 10, 512^{1, 11, 12, 25}}	Y ¹⁴	
46	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Dec 2002 ¹⁶	HPQ A6795A ²⁹	Cisco MDS: 9216 ⁶⁴ , 9509 ⁶⁴	12	16	256	512	Y	
47	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2003 ¹⁶	HPQ A5158A	Cisco MDS 9509 ⁶⁴	12	16	256	512	Y	
48	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2003 ^{16, 69}	HPQ: A6826A ⁶⁸ , A9782A ⁶⁸	EMC Connectrix: DS-16B ^{22, 24} , DS-16B ^{19, 20} , DS-16M, DS-16M ² , DS-24M ² , DS-32B ²²⁸ , DS-32M, DS-32M ² , DS-8B, DS-8B ² , ED-1032, ED-12000B ²⁸ , ED-140M, ED-64M, McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	16	256	512	Y	
49	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{15, 16, 31, 32}	HPQ A3591A	Brocade Silkstorm 6400 ^{4, 8} , EMC Connectrix: DS-16B ^{24, 8, 22, 23, 24} , DS-16B ^{3, 4, 6, 7, 8, 17, 18, 19, 20, 21} , HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58} , Inrange FC9000/64 ^{26, 55, 56}	12 ¹³	16	256	320 ^{1, 33, 512¹}	Y ¹⁴	
50	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{15, 16, 31, 32}	HPQ A3591B	EMC Connectrix: DS-16B ^{24, 8, 22, 23, 24} , DS-16B ^{3, 4, 6, 7, 8, 17, 18, 19, 20, 21} , HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58} , Inrange FC9000/64 ^{26, 55, 56}	12 ¹³	16	256	320 ^{1, 9, 10, 512^{1, 11, 12, 25}}	Y ¹⁴	
51	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{15, 16, 31, 32}	HPQ A3591B	EMC Connectrix: DS-16B ^{17, 18, 19, 20, 21, 39, 60} , DS-8B ^{21, 39, 60} , HPQ: A5624A ^{17, 21, 39, 57, 58, 60} , A5667A ^{17, 21, 39, 57, 58, 60}	24 ¹³	16	256	320 ^{1, 9, 10, 512^{1, 11, 12, 25}}	Y ¹⁴	See ⁵⁹
52	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{15, 16, 31, 32}	HPQ A3636A	EMC Connectrix: DS-16B ^{24, 8, 22, 23, 24} , DS-16B ^{3, 4, 6, 7, 8, 17, 18, 19, 20, 21} , HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58}	12 ¹³	16	256	320 ^{1, 33, 512¹}	Y ¹⁴	

HPQ HP-UX									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
53	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ^{15, 16, 31, 32}	HPQ A5158A	Brocade Silkstorm 6400 ^{4, 8} ; EMC Connectrix: DS-16B ^{24, 8, 22, 23, 24} , DS-16B ^{3, 4, 6, 7, 8, 17, 18, 19, 20, 21} , DS-16M ² , DS-16M ^{4, 8} , DS-24M ² , DS-32B ²²⁸ , DS-32M ² , DS-32M ^{4, 8} , ED-1032 ^{3, 4, 7, 8, 26} , ED-12000B ^{27, 28} , ED-64M ^{4, 8} ; EMC: DP3-SCB1 ^{4, 8} , DP3-SCQ1 ⁸ ; HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58} ; Inrange FC9000/64 ^{26, 55, 56} . McDATA: ED-5000 ^{3, 4, 7, 8, 26} , ED-6140 ^{4, 8} , ES-3216, ES-3232	12 ¹³	16	256	320 ^{1, 10, 512^{1, 12, 25}}	Y ¹⁴	
54	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ^{15, 16, 31, 32}	HPQ A5158A	EMC Connectrix: DS-16B ^{17, 18, 19, 20, 21, 39, 60} , DS-32B ²²⁸ , DS-8B ^{21, 39, 60} ; HPQ: A5624A ^{17, 21, 39, 57, 58, 60} , A5667A ^{17, 21, 39, 57, 58, 60}	24 ¹³	16	256	320 ^{1, 10, 512^{1, 12, 25}}	Y ¹⁴	See ⁵⁹
55	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ^{15, 16, 31, 32}	HPQ A5158A ⁵	EMC Connectrix DS-32B ^{228, 63} ; HPQ: A5223A/AZ ^{17, 39, 60, 62, 63} , A5224A/AZ ^{17, 39, 60, 62, 63}	16 ¹³	16	256	320 ^{1, 10, 512^{1, 12, 25}}	Y ¹⁴	See ⁵⁹
56	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ^{15, 16, 31, 32}	HPQ A6795A ²⁹	Brocade Silkstorm 6400 ^{4, 8} ; Cisco MDS 9509 ⁶⁴ ; EMC Connectrix: DS-16B ^{24, 8, 22, 23, 24} , DS-16B ^{3, 4, 6, 7, 8, 17, 18, 19, 20, 21} , DS-16M ² , DS-16M ^{4, 8} , DS-24M ² , DS-32B ²²⁸ , DS-32M ² , DS-32M ^{4, 8} , ED-1032 ^{3, 4, 7, 8, 26} , ED-12000B ^{27, 28} , ED-64M ^{4, 8} ; EMC: DP3-SCB1 ^{4, 8} , DP3-SCQ1 ⁸ ; HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58} ; Inrange FC9000/64 ^{26, 55, 56} . McDATA: ED-5000 ^{3, 4, 7, 8, 26} , ED-6140 ^{4, 8} , ES-3216, ES-3232	12 ¹³	16	256	320 ^{1, 10, 512^{1, 12, 25}}	Y ¹⁴	
57	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ^{15, 16, 31, 32}	HPQ A6795A ²⁹	Cisco MDS 9509 ⁶⁴ ; EMC Connectrix: DS-16B ^{17, 18, 19, 20, 21, 39, 60} , DS-32B ²²⁸ , DS-8B ^{21, 39, 60} ; HPQ: A5624A ^{17, 21, 39, 57, 58, 60} , A5667A ^{17, 21, 39, 57, 58, 60}	24 ¹³	16	256	320 ^{1, 10, 512^{1, 12, 25}}	Y ¹⁴	See ⁵⁹
58	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ^{15, 16, 31, 32}	HPQ A6795A ^{5, 29}	Cisco MDS 9509 ⁶⁴ ; EMC Connectrix DS-32B ^{228, 63} ; HPQ: A5223A/AZ ^{17, 39, 60, 62, 63} , A5224A/AZ ^{17, 39, 60, 62, 63}	16 ¹³	16	256	320 ^{1, 10, 512^{1, 12, 25}}	Y ¹⁴	See ⁵⁹
59	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ^{15, 16, 31, 32}	HPQ: A3591A, A3636A	EMC Connectrix: DS-16B ^{17, 18, 19, 20, 21, 39, 60} , DS-8B ^{21, 39, 60} ; HPQ: A5624A ^{17, 21, 39, 57, 58, 60} , A5667A ^{17, 21, 39, 57, 58, 60}	24 ¹³	16	256	320 ^{1, 33, 512¹}	Y ¹⁴	See ⁵⁹
60	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ^{15, 16, 31, 32}	HPQ: A3591A ⁵ , A3636A ⁵	EMC Connectrix DS-8B ^{1, 2, 3, 4, 5, 6, 7, 8}	12 ¹³	16	256	320 ^{1, 33, 512¹}	Y ¹⁴	
61	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ^{15, 16, 31, 32}	HPQ: A3591A ⁵ , A3636A ⁵	HPQ: A5223A/AZ ^{17, 39, 60, 62, 63} , A5224A/AZ ^{17, 39, 60, 62, 63}	16 ¹³	16	256	320 ^{1, 33, 512¹}	Y ¹⁴	See ⁵⁹
62	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ^{15, 16, 31, 32}	HPQ: A6684A, A6685A	Brocade Silkstorm: 12000 ²⁷ , 6400 ^{4, 8} ; EMC Connectrix: DS-16B ^{24, 8, 22, 23, 24} , DS-16B ^{3, 4, 6, 7, 8, 17, 18, 19, 20, 21} , DS-16M ² , DS-16M ^{4, 8} , DS-24M ² , DS-32B ²²⁸ , DS-32M ² , DS-32M ^{4, 8} , ED-1032 ^{3, 4, 7, 8, 26} , ED-12000B ^{27, 28} , ED-64M ^{4, 8} ; EMC: DP3-SCB1 ^{4, 8} , DP3-SCQ1 ⁸ ; HPQ: A5624A, A5667A ^{4, 7, 8, 21, 57, 58} ; Inrange FC9000/64 ^{26, 55, 56} . McDATA: ED-5000 ^{3, 4, 7, 8, 26} , ED-6140 ^{4, 8} , ES-3216, ES-3232	12 ¹³	16	256	320 ^{1, 9, 10, 512^{1, 11, 12, 25}}	Y ¹⁴	
63	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ^{15, 16, 31, 32}	HPQ: A6684A, A6685A	EMC Connectrix: DS-16B ^{17, 18, 19, 20, 21, 39, 60} , DS-32B ²²⁸ , DS-8B ^{21, 39, 60} ; HPQ: A5624A ^{17, 21, 39, 57, 58, 60} , A5667A ^{17, 21, 39, 57, 58, 60}	24 ¹³	16	256	320 ^{1, 9, 10, 512^{1, 11, 12, 25}}	Y ¹⁴	See ⁵⁹
64	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ¹⁶	HPQ A5158A	EMC Connectrix DS-8B ²²	12	16	256	320, 512 ²⁵	Y ^{66, 67}	
65	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ¹⁶	HPQ A6685A	EMC Connectrix DS-8B ²²	12	16	256	320 ^{9, 10, 512^{11, 12, 25}}	Y ^{66, 67}	
66	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ¹⁶	HPQ A6795A ²⁹	Cisco MDS 9509 ⁶⁴ ; EMC Connectrix ED-140M	1	16	256	512	N	
67	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ¹⁶	HPQ: A5158A, A6684A, A6685A	EMC Connectrix ED-140M	1	16	256	512	N	
68	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ¹⁶	HPQ: A6684A, A6795A ²⁹	EMC Connectrix DS-8B ²²	12	16	256	320 ^{10, 512^{12, 25}}	Y ^{66, 67}	
69	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ^{16, 32, 43, 44, 45, 46, 47, 48, 49, 50}	HPQ A6795A ²⁹	Cisco MDS 9509 ⁶⁴	12 ¹³	16	256	512 ^{1, 25}	Y ^{37, 38}	
70	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ^{16, 32, 43, 44, 45, 46, 47, 48, 49, 50}	HPQ: A3591A ³⁴ , A3591B ³⁴ , A3636A ³⁴ , A5158A, A6684A, A6685A, A6795A ²⁹	Brocade Silkstorm 3200 ^{23, 35, 51, 52}	12 ¹³	16	256	512 ²⁵	Y ^{37, 38}	
71	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ^{16, 43, 44, 45, 46, 47, 48, 49, 50}	HPQ: A3591A ³⁴ , A3591B ³⁴ , A3636A ³⁴	Brocade Silkstorm: 2400 ^{35, 39, 52, 53} , 2800 ^{35, 39, 52, 53} , 3800 ^{35, 51, 52, 54}	12	16	256	512 ²⁵	Y ^{37, 38}	
72	HPQ HP-UX 11i.v1.0 (HP-UX 11.11) ^{16, 43, 44, 45, 46, 47, 48, 49, 50}	HPQ: A5158A, A6795A ²⁹	Brocade Silkstorm: 12000 ⁴² , 2400 ^{35, 39, 52, 53} , 2800 ^{35, 39, 52, 53} , 3800 ^{35, 51, 52, 54} , 3900 ^{35, 51, 52}	12	16	256	512 ²⁵	Y ^{37, 38}	

HPQ HP-UX									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
73	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{16, 43, 44, 45, 46, 47, 48, 49, 50}	HPQ: A6684A, A6685A	Brocade Silkstorm: 2400 ^{35, 39, 52, 53, 2800^{35, 39, 52, 53, 3800^{35, 51, 52, 54, 3900^{35, 51, 52}}}}	12	16	256	512 ²⁵	Y ^{37, 38}	
74	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{16, 43, 44, 46, 47, 48, 49, 50}	HPQ: A5158A, A6684A, A6685A, A6795A ²⁹	McDATA ED-6064 ^{35, 52}	12	16	256	512 ²⁵	Y ^{37, 38}	
75	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{16, 43, 46, 47, 48, 49, 50}	HPQ: A5158A, A6684A, A6685A, A6795A ²⁹	McDATA ES-3016 ^{35, 52}	12	16	256	512 ^{1, 25}	Y ^{37, 38}	
76	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{16, 43, 46, 47, 48, 49, 50}	HPQ: A5158A, A6684A, A6685A, A6795A ²⁹	McDATA ES-3032 ^{35, 52}	12	16	256	512 ²⁵	Y ^{37, 38}	
77	HPQ HP-UX 11i v1.5 (HP-UX 11.20) ^{15, 61}	HPQ: A5158A, A6795A ²⁹	Brocade Silkstorm: 2400 ^{18, 39, 2800^{18, 39,}} EMC Connectrix: DS-16B ^{17, 18, 20, 21, 39, 60, DS-8B^{21, 39, 60,}} HPQ: A5624A ^{17, 21, 39, 57, 58, 60, A5667A^{17, 21, 39, 57, 58, 60}}	24 ¹³	16	256	320 ^{1, 33, 512¹}	Y ¹⁴	See ⁵⁹
78	HPQ HP-UX 11i v1.5 (HP-UX 11.20) ^{15, 61}	HPQ: A5158A ^{5, A6795A^{5, 29}}	HPQ: A5223A/AZ ^{17, 39, 60, 62, 63, A5224A/AZ^{17, 39, 60, 62, 63}}	16 ¹³	16	256	320 ^{1, 33, 512¹}	Y ¹⁴	See ⁵⁹
79	HPQ HP-UX: 11.0 March 2003 ^{16, 11i v1.0 (HP-UX 11.11) Dec 2002¹⁶}	HPQ: A6684A, A6685A	Cisco MDS 9509 ⁶⁴	12	16	256	512	Y	
80	HPQ HP-UX: 11.0 Sept 2001 ^{16, 11i v1.0 (HP-UX 11.11) Dec 2002¹⁶}	HPQ A5158A	Cisco MDS 9216 ⁶⁴	12	16	256	512	Y	

- 256 LUN support: HP-UX 10.20 requires patch PHKL_23259 or patches superceded by or having co-dependencies as defined by HP. HP-UX 11.0 requires patch PHKL_21607 or patches superceded by or having co-dependencies as defined by HP.
- The 200-561-9XX, and 200-563-9XX FA director family support a total of 256 LUNs per FA port. (Hewlett Packard Alpha Tru64 supports 255 LUNs.)
- Heterogeneous storage attachments are supported in a Fibre Channel fabric configuration provided the different storage types are isolated in different fabric zones. Shared fabric and shared server are allowed with heterogeneous storage.
- Maximum of two hops between any two nodes of a SG cluster. Boot device cannot be more than 2 hops from initiator. Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher. For the Inrange FC9000, single switch only. Connectrix ED-1032 requires Connectrix microcode 3.00.01 or later.
- For HP-UX 11.0 of June 2000 or higher release is required (patch bundle XSWHWCR1100B.11.00.49.3 or XSWG1100B.11.00.49.3 or later released patch bundle).
- Fabric support at firmware version 2.1.3 and above.
- For Fabric Switches, EMC recommends single initiator WWN zoning, but will support both WWN and port-, single-, or multi-initiator zoning.
- Switched fabric cannot use domain 8. Execute ioscan -fn following zone configuration changes on all affected servers so that the changes will be recognized. When using soft zoning (WWN) with PowerPath, if you remove a path from the zone configuration, you must remove this path from PowerPath in order to prevent accessibility to this path.
- Maximum of 320 visible LUNs per hba supported with HP-UX 10.20 HA configurations.
- Maximum of 320 visible LUNs per hba supported with HP-UX 11.0 HA configurations.
- Maximum of 512 visible LUNs per hba supported with HP-UX 10.20 non-HA configurations
- Maximum of 512 visible LUNs per hba supported with HP-UX 11.0 non-HA configurations
- If Fanin/Fanout are greater than 4:1/1:4. HP-UX 10.20 requires patch PHKL_23259 or patches superceded by or having co-dependencies as defined by HP. HP-UX 11.0 requires patch PHKL_21607 or patches superceded by or having co-dependencies as defined by HP.
- "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA): 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port. 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/ Fanin of 12:1/1:12 and Netware using the QLA2200F, which has a Fanout/Fanin of 6: 1/1:6. The Fanout/Fanin is restricted to 6:1/1:6. 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information. 4. The director bits must be set according to each initiator's required settings by using the Heterogeneous Host Configuration feature in the EMC Solutions Enabler, SYMCLI Device masking component Version 5.x. 5. Microcode level 5568 and above.
- In HP and MC/ServiceGuard environments, the maximum number of active devices per server is 1024 for mid-range and high-end servers. This high device count is questionable for low-end servers (D/R-Class), and so remains at 768 for them (not counting alternate path LUNs for PV/Links or EMC PowerPath). Maximum limitations per server (subject to server and resources): HP-UX 10.20 768 devices, 1536 LUNs; HP-UX 11.0 2400 devices, 4800 LUNs; HP-UX 11i 4096 devices, 8096 LUNs; HP-UX 11i Version 1.5 (11.20) 4096 devices, 8096 LUNs.
- For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/vol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
- Requires a minimum HP-UX 10.20 TFC or a minimum HP-UX 11.0 990P, or 11i. HP-UX versions may be mixed in the same logical quick loop.
- Minimum Symmetrix microcode 5265.42, 5266.22, 5267.22, 5566.22, 5567.29 .
- Switch support can be QuickLoop dedicated to any HP hosts in table titled "Clariion CX600/CX400 Base Connectivity" or heterogeneous fabric with HP FC-SW (fabric) hosts in that table. For FC4700, one port on each SP may be used for QuickLoop when the other port is used for FC-SW. QuickLoop support requires chargeable model DSBQLP-0D.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- QuickLoop and fabric intermixing on the same switch is allowed. Requires firmware rev v2.2.1a. QuickLoop must use port zoning.
- QuickLoop is not supported with Brocade 3900/12000 or ED-12000B.
- Firmware v3.0.2a or later is required for 2 Gb or auto sensing support with the DS-16B2 and Brocade 3200/3800 switches. Minimum of 5568-3414 microcode is required for 2 Gb/auto negotiation support on Symmetrix.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- Maximum of 512 visible LUNs per hba supported with HP-UX 11i v1.0 (HP-UX 11.11) HA and non-HA configurations
- Supported at minimum firmware version 2.00.01.
- No boot support at this time.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.
L1000 (product number A5576A)
L2000 (product number A5191A)
N4000 Revision A (product number A3639A)
N4000 Revision B (product number A3639B)
- HP-UX 11.0 switched fabric support is enabled with: fabric device driver version B.11.00.03 and higher; minimum operating system level HP/UX 11.0 990P with March 2000 HW-CR bundle. Refer to Base Connectivity table for additional information.
- Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher.
- See Single section for minimum microcode required.
- In an HA environment, with HP-UX 11i, 512 LUNs per HBA are allowed.
- Supports FC-AL only.
- Domain value 8 can not be utilized when attaching HP-UX initiators (hba's)
- Maximum of two hops between any two nodes of a SG cluster. Boot device cannot be more than 2 hops from initiator. Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher.
- Solution Enabler 5.0 or later on the host for heterogeneous FA port sharing.
- Requires microcode level 5568.23 or later.
- In FC-AL mode, support 1280 LUNs/loop.
- Minimum Symmetrix microcode 5566.22, 5567.29.
- Maximum of two hops between any two nodes of a SG cluster. Boot device cannot be more than 2 hops from initiator. Symmetrix microcode version: 5566.35.23 or higher, 5567.29.15 or Higher.
- Boot support Minimum fw.v4.0.2a
- Initiators from servers running HP-UX 11.0 and initiators from servers running HP-UX 11i v1.0 (HP-UX 11.11) may share the same FA port.
- Maximum LUNs per server 8192

45. Maximum devices per server 4096
46. The Powerpath path must be removed from the Powerpath configuration for all paths deleted from a zone configuration utilizing non-hardware enforced WWN zoning in order to prevent accessibility to the paths deleted from the zone configuration.
47. HP-UX Tachyon TL Fibre Channel Driver patch PHSS_26799 required
48. Maximum of two hops between any two nodes belonging to the same Service Guard Cluster
49. Execute "ioscan -fn" following zone configuration changes on all affected servers in order for the changes to be recognized by the servers.
50. Boot device can not be located more than two hops from initiator utilized for booting
51. The switch port a hba is attached to which is utilized for HP-UX boot or dump processes must be configured for G_port lock.
52. Single initiator zoning recommended.
53. Firmware v2.5.1b or later required
54. minimum firmware revision v3.0.2m or later EMC qualified firmware revision
55. For D- and K-Class only: HP-UX 11.0 with PHKL_21834, HP A3404A, FC-AL only with switch TL mode.
56. T-port mode only. Port zoning only. Single switch only.
57. EMC supports both 8-port (A5667A) and 16-port (A5624A) versions.
58. HP A5624A and A5667A Fibre Channel switches are supported with Brocade firmware levels 1.3.0, 2.1.9d, 2.1.9F and 2.4.1, switched fabric cascading requires 2.1.9F firmware or higher.
59. Brocade QuickLoop.
60. Cascading of up to 2 switches and 2 hubs with QuickLoop.
61. Non-HA, single initiator only. PowerPath not supported.
62. Switch is for Enhanced Private Loop (EPL), not Fabric.
63. **EPL (Enhanced Private Loop) loop supports up to 8 HBAs and 16 Symmetrix ports (max of 24 port connections), but only 4 from any one cluster.**
64. **During initial switch configuration with fw 1.2 or earlier, in an HP-UX environment, the Persistent FC IDs must be enabled on the Vsan that contains any HP HBAs. The N_Port Area IDs must be manually configured to be unique, static, and persistent on the Vsan that contains any HP HBAs. the target storage array's N_Port ID must also be set to persistent and static. See MDS 9000 Family Configuration Guide for details.**
65. All adapters must be the same type except with HP-UX.
66. **"Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA):** 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port. 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/ Fanin of 12:1/1:12 and Netware using the QLA2200F, which has a Fanout/Fanin of 6: 1/1:6. The Fanout/Fanin is restricted to 6:1/1:6. 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information. 4. Reference the Heterogeneous FA Port Sharing section of Director Bit Information. 5. Microcode level 5x66 and above.
67. **"Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA):** 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port. 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/Fanin of 12:1/1:12 and NetWare using the QLA2200F, which has a Fanout/Fanin of 6:1/1:6. The Fanout/Fanin is restricted to 6:1/1:6. 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information. 4. Reference the Heterogeneous FA Port Sharing section of Director Bit Information, Table 138 on page 345. 5. Microcode level 5x66 and above.
68. Required Patch PHKL_28569, PHKL_26938 and 2port 2Gig driver version 11.11.01.
69. See HBA for min Driver version

HPQ Open VMS

HPQ Open VMS								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	HPQ Open VMS V7.2-1 ^{1,2}	HPQ: KGPSA-BC (380574-001) ³ , KGPSA-CA (168794-B21) ³	Brocade Silkworm: 12000 ¹² , 2400, 2800, 3900; EMC Connectrix: DS-16B ⁵ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁰ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ¹⁰ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; HPQ: 158222-B21, 158223-B21, DS-DSGGA-AA ⁸ , DS-DSGGA-AB ⁷ ; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	8	16	256	255	N
2	HPQ Open VMS V7.2-1H1 ^{1,2}	HPQ: KGPSA-BC (380574-001) ³ , KGPSA-CA (168794-B21) ³	Brocade Silkworm: 12000 ¹² , 2400, 2800, 3900; EMC Connectrix: DS-16B ^{4,5} , DS-16M ⁴ , DS-16M ⁴ , DS-24M ⁴ , DS-32B2 ¹⁰ , DS-32M ⁴ , DS-32M ⁴ , DS-8B ⁴ , ED-1032 ⁴ , ED-12000B ^{4,10} , ED-140M, ED-64M ⁴ ; EMC: DP3-SCB1 ⁴ , DP3-SCQ1 ⁴ ; HPQ: 158222-B21 ⁴ , 158223-B21 ⁴ , DS-DSGGA-AA ⁴ , ⁸ , DS-DSGGA-AB ^{4,7} ; McDATA: ED-5000 ⁴ , ED-6064 ⁴ , ED-6140, ES-3016 ⁴ , ES-3032 ⁴ , ES-3216 ⁴ , ES-3232 ⁴ , ES-4500 ⁴	8	16	256	255	N
3	HPQ Open VMS V7.2-2 ^{1,9}	HPQ: FCA2354 (LP9002), KGPSA-DA (261329-B21)	Brocade Silkworm: 3200, 3800; EMC Connectrix: DS-16B2 ¹¹ , DS-8B2	8	16	256	255	N
4	HPQ Open VMS V7.2-2 ^{1,9}	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	Brocade Silkworm: 12000, 3200, 3800, 3900; EMC Connectrix: DS-16B2 ¹¹ , DS-32B2 ¹⁰ , DS-8B2, ED-140M; McDATA ED-6140	8	16	256	255	N
5	HPQ Open VMS V7.2-2 ^{1,9}	HPQ: KGPSA-BC (380574-001) ³ , KGPSA-CA (168794-B21) ³	Brocade Silkworm: 2400, 2800; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ⁵ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ¹⁰ , ED-64M; EMC: DP3-SCB1, DP3-SCQ1; HPQ: 158222-B21, 158223-B21, DS-DSGGA-AA ⁸ , DS-DSGGA-AB ⁷ ; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	8	16	256	255	N
6	HPQ Open VMS: V7.2-1H1 ^{1,2} , V7.2-1 ^{1,2}	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	Brocade Silkworm: 3200, 3800; EMC Connectrix: DS-16B2 ¹¹ , DS-8B2	8	16	256	255	N

HPQ Open VMS								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
7	HPQ Open VMS: V7.2-2 ^{1,9} , V7.3-1 ¹ , V7.3 ^{1,6}	HPQ: FCA2354 (LP9002) ³ , KGPSA-DA (261329-B21) ³	Brocade Silkworm: 12000, 2400, 2800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ⁵ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁰ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ¹⁰ , ED-140M, ED-64M; EMC DP3-SCB1: HPQ: 158222-B21, 158223-B21, DS-DSGGA-AA ⁸ , DS-DSGGA-AB ⁷ ; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	8	16	256	255	N
8	HPQ Open VMS: V7.3-1 ¹ , V7.3 ^{1,6}	HPQ: FCA2354 (LP9002), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	Brocade Silkworm: 3200, 3800; EMC Connectrix: DS-16B2 ¹¹ , DS-8B2	8	16	256	255	N
9	HPQ Open VMS: V7.3-1 ¹ , V7.3 ^{1,6}	HPQ: KGPSA-BC (380574-001) ³ , KGPSA-CA (168794-B21) ³	Brocade Silkworm: 12000, 2400, 2800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{4,5} , DS-16M ^{2,4} , DS-16M ⁴ , DS-24M ^{2,4} , DS-32B2 ¹⁰ , DS-32M ^{2,4} , DS-32M ⁴ , DS-8B ⁴ , ED-1032 ⁴ , ED-12000B ^{4,10} , ED-140M, ED-64M ⁴ ; EMC: DP3-SCB1 ⁴ , DP3-SCQ1 ⁴ ; HPQ: 158222-B21 ⁴ , 158223-B21 ⁴ , DS-DSGGA-AA ^{4,8} , DS-DSGGA-AB ^{4,7} ; McDATA: ED-5000 ⁴ , ED-6064 ⁴ , ED-6140, ES-3016 ⁴ , ES-3032 ⁴ , ES-3216 ⁴ , ES-3232 ⁴ , ES-4500 ⁴	8	16	256	255	N

- Open VMS is supported as of April 17, 2000, and requires a minimum Symmetrix microcode level of 5265.48.30, 5266.23.19s, or 5566.26.19s.
- OpenVMS 7.2-1, 7.2-1H1 FC-SW requires console firmware 5.6 or later and patch VMS721_fibre_SCSI-V0400. Available from <http://ftp1.support.compaq.com/public/>
- For compatibility with Connectrix ED-1032, requires Connectrix microcode 2.2 or later (KGPSA-BC) or 2.2.0 (KGPSA-CA).
- The 200-561-9XX, and 200-563-9XX FA director families support a total of 256 LUNs per FA port. (Hewlett Packard Alpha Tru64 supports 255 LUNs.)
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- Open VMS 7.3 FC-SW requires console firmware 5.6 or later and patch VMS73_update-V0100 or patch VMS73_fibre_SCSI-V0200.
- 16-port Fibre Channel board.
- 8-port Fibre Channel board.
- Open VMS 7.2-2 FC-SW requires console firmware 5.6 or later and patch VMS722_fibre_SCSI-V0100.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- The KGPSA-BC will not boot if the Brocade 12000/Connectrix ED-12000B port speed is set to auto-negotiate. Set the port speed to 1 Gb.

HPQ Tru64 UNIX

HPQ Tru64 UNIX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	HPQ Tru64 UNIX V5.0A ⁴	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; EMC Connectrix: DS-16B2 ¹¹ , DS-16B ⁵ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁰ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ¹⁰ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	8	16	256	255 ⁴	Y ⁶
2	HPQ Tru64 UNIX V5.1 ^{4,7}	HPQ: FCA2354 (LP9002), KGPSA-DA (261329-B21)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ¹¹ , DS-16B ⁵ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁰ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ¹⁰ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	8	16	256	512 ⁴	Y ⁶
3	HPQ Tru64 UNIX: V4.0F ¹ , V4.0G ⁸	HPQ KGPSA-CA (168794-B21)	Cisco MDS: 9216, 9509	8	16	256	255 ⁴	Y ⁶
4	HPQ Tru64 UNIX: V4.0F ¹ , V4.0G ⁸	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; EMC Connectrix: DS-16B2 ¹¹ , DS-16B ⁵ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁰ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ¹⁰ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	6	16	256	48 ²	Y ³

HPQ Tru64 UNIX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
5	HPQ Tru64 UNIX: V5.1A ^{4,9} , V5.1B ^{4,12}	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-DA (261329-B21)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ¹¹ , DS-16B ⁵ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁰ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ¹⁰ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	8	16	256	512 ⁴	Y ⁶
6	HPQ Tru64 UNIX: V5.1A ^{4,9} , V5.1B ^{4,12} , V5.14 ⁷	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ¹¹ , DS-16B ⁵ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁰ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ¹⁰ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	8	16	256	255 ⁴	Y ⁶

- Tru64 V4.0F BL13 Patch Kit 2 may introduce problems with KZPBA adapters. Tru64 V4.0F latest qualified Patch Kit 8 (DUV40FB22AS0008-20030730).
- V4.0F, V4.0G: 8 LUNs/Symmetrix Fibre director port (LUNs 000-007 valid).
- If sharing port with Tru64 UNIX V5 hosts, use the Heterogeneous Host Configuration feature in EMC Solutions Enabler SYMCLI Device Masking Component V5.x (minimum 5568 microcode), or use Tru64 UNIX V5 director bit settings (with OVMS director bit set, the resulting LUN 000 array controller device will not be usable as a disk device by the Tru64 hosts).
- V5.x: 255 LUNs/Symmetrix Fibre director port (LUNs 000-0FE valid) on Symmetrix 8000 Series, requires OVMS director bit setting (minimum 5265.48.30 or 5566.26.19), LUN 000 must be mapped to gatekeeper device, the LUN 000 array controller device will not be usable by the Tru64 host.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- Requires the Heterogeneous Host Configuration feature in EMC Solutions Enabler SYMCLI Device Masking Component Version 5.x
- Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).
- Tru64 V4.0G latest qualified Patch Kit 4 (T64V40GB22AS0004-20030731).
- Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

IBM AIX

IBM AIX									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
1	IBM AIX 4.3.3	IBM: 6227, 6228	EMC Connectrix ED-140M	10	16	256	256	Y	
2	IBM AIX 4.3.3	IBM: 6227 ¹ , 6228 ¹	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; EMC Connectrix: DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ¹⁰ , ED-64M; EMC: DP3-SCB1, DP3-SCQ1; IBM: 2032-001 ² , 2109 ³ , 6064; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	10	16	256	256	Y	
3	IBM AIX 4.3.3	IBM: 6227 ¹ , 6228 ¹	Brocade Silkworm: 3200, 3800; EMC Connectrix: DS-16B2 ^{4,14} , DS-32B2 ¹⁰ , DS-8B2 ¹³ ; McDATA ED-6140	10	16	256	256	Y ¹¹	
4	IBM AIX 5.1	Bull DCCG148-0000 ⁶	Brocade Silkworm 6400; EMC Connectrix: ED-12000B ¹⁰ , ED-140M; McDATA ED-6140	10	16	256	256	Y ¹¹	See ⁵
5	IBM AIX 5.1	Bull DCCG148-0000 ⁶	Bull MSKG008-0000 ^{7,8,9} ; EMC Connectrix: DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, ED-1032, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	10	16	256	256	Y	See ⁵
6	IBM AIX 5.1	Bull DCCG148-0000 ⁶	EMC Connectrix: DS-16B2 ¹⁴ , DS-32B2 ¹⁰	10	16	256	256	Y ¹¹	
7	IBM AIX 5.1	IBM 6239	Brocade Silkworm: 12000, 2400, 2800, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ¹⁴ , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ¹⁰ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; IBM: 2032-001 ² , 2109 ³ , 6064; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	10	16	256	256, 512	Y	
8	IBM AIX 5.1	IBM 6239	Cisco MDS: 9216, 9509; EMC Connectrix: DS-32B2 ¹⁰ , DS-8B2 ¹³	10	16	256	256, 512	Y ¹¹	

IBM AIX									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
9	IBM AIX 5.1	IBM: 6227, 6228	Brocade Silkworm: 12000, 2400, 2800, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ¹⁴ , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ¹⁰ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; IBM: 2032-001 ² , 2109 ³ , 6064; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	10	16	256	256	Y	
10	IBM AIX 5.1	IBM: 6227, 6228	EMC Connectrix: DS-32B2 ¹⁰ , DS-8B2 ¹³	10	16	256	256	Y ¹¹	
11	IBM AIX 5.2	IBM 6239	Brocade Silkworm: 12000, 2400, 2800, 3800, 3900; EMC Connectrix: DS-16B2 ¹⁴ , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-1032, ED-12000B ¹⁰ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; IBM: 2032-001 ² , 6064; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	10	16	256	256, 512	Y	
12	IBM AIX 5.2	IBM 6239	Cisco MDS: 9216, 9509; EMC Connectrix: DS-32B2 ¹⁰ , DS-8B2 ¹³ ; McDATA ED-6140	10	16	256	256, 512	Y ¹¹	
13	IBM AIX 5.2	IBM: 6227, 6228	Brocade Silkworm: 12000, 2400, 2800, 3800, 3900; EMC Connectrix: DS-16B2 ¹⁴ , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-1032, ED-12000B ¹⁰ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; IBM: 2032-001 ² , 6064; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	10	16	256	256	Y	
14	IBM AIX 5.2	IBM: 6227, 6228	EMC Connectrix: DS-32B2 ¹⁰ , DS-8B2 ¹³ ; McDATA ED-6140	10	16	256	256	Y ¹¹	
15	IBM AIX: 4.3.0, 4.3.1, 4.3.2, 4.3.3	Bull DCCG148-0000 ⁶	Brocade Silkworm: 12000 ¹³ , 3900 ¹³ , 6400 ¹³ ; Bull MSKG008-0000 ^{7, 8, 9, 13} ; EMC Connectrix: DS-16B ^{4, 13} , DS-16M2 ¹³ , DS-16M ¹³ , DS-24M2 ¹³ , DS-32M2 ¹³ , DS-32M ¹³ , DS-8B ¹³ , ED-1032 ¹³ , ED-12000B ^{10, 13} , ED-64M ¹³ ; EMC: DP3-SCB1 ¹³ , DP3-SCQ1 ¹³ ; McDATA: ED-5000 ¹³ , ED-6064 ¹³ , ES-3016 ¹³ , ES-3032 ¹³ , ES-3216 ¹³ , ES-3232 ¹³ , ES-4500 ¹³	10	16	256	256	Y	
16	IBM AIX: 4.3.0, 4.3.1, 4.3.2, 4.3.3	EMC CKIT-E70-AIX ¹²	Brocade Silkworm: 12000 ¹³ , 3800, 3900 ¹³ ; EMC Connectrix: DS-16B2 ¹⁴ , DS-32B2 ¹⁰ , ED-12000B ^{10, 13} ; McDATA ED-6140	10	16	256	256	Y ¹¹	
17	IBM AIX: 4.3.0, 4.3.1, 4.3.2, 4.3.3	EMC CKIT-E70-AIX ¹²	Brocade Silkworm: 2400 ¹³ , 2800 ¹³ , 6400 ¹³ ; EMC Connectrix: DS-16B ^{4, 13} , DS-16M2 ¹³ , DS-16M ¹³ , DS-24M2 ¹³ , DS-32M2 ¹³ , DS-32M ¹³ , DS-8B ¹³ , ED-1032 ¹³ , ED-64M ¹³ ; EMC: DP3-SCB1 ¹³ , DP3-SCQ1 ¹³ ; IBM: 2032-001 ^{2, 13} , 2109 ^{3, 13} , 6064 ¹³ ; McDATA: ED-5000 ¹³ , ED-6064 ¹³ , ES-3016 ¹³ , ES-3032 ¹³ , ES-3216 ¹³ , ES-3232 ¹³ , ES-4500 ¹³	10	16	256	256	Y	
18	IBM AIX: 5.1, 5.2	IBM: 6227, 6228	Cisco MDS: 9216, 9509; EMC Connectrix DS-8B2 ¹³	10	16	256	512	Y ¹¹	

- For all PCI-based hosts only: See http://www-1.ibm.com/servers/eserver/pseries/library/hardware_docs/sa38/380538.pdf for appropriate HBA placement guidelines.
- The IBM 2032-001 is the McData ED-5000.
- IBM SAN FC S08 (8-port) and S16 (16-port). Firmware level is 2.1.3. S08SAN FC switch includes four shortwave optical GBIC ports, and the option to add an additional 4 (8 total) longwave or shortwave ports to the S08. The S08 8-port switch is a single power entry. S16 SAN FC switch includes four shortwave optical GBIC ports, and the option to add an additional 12 (16 total) longwave or shortwave ports to the S16. The S16 is dual-powered. S08 & S16: 1) Shortwave GBIC: Feature Code=2010; 2) Longwave GBIC: Feature Code=2020; 3) Fibre Channel Cable Multimode optical 50.0u, 5m: Feature Code=5805; 4) Fibre Channel Cable Multimode optical 50.0u, 25m: Feature Code=5825.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- All adapters must be the same type except with HP-UX.
- Fibre Channel device driver distributed and supported by Bull.
- MSKG008-0000 = Brocade Silkworm 2800.
- Firmware revision levels distributed and supported by Bull. Please see appropriate Bull documentation.
- This is a Brocade Silkworm 2800 (16 ports)
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA): 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port. 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/Fanin of 12:1/1:12 and Netware using the QLA2200F, which has a Fanout/Fanin of 6: 1/1:6. The Fanout/Fanin is restricted to 6:1/1:6. 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information. 4. Reference the Heterogeneous FA Port Sharing section of Director Bit Information. 5. Microcode level 5x66 and above.
- No longer available
- The 200-561-9XX, and 200-563-9XX FA director families support a total of 256 LUNs per FA port. (Hewlett Packard Alpha Tru64 supports 255 LUNs.)
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

IBM DYNIX/ptx

IBM DYNIX/ptx								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	IBM DYNIX/ptx: 4.4.7 ¹ , 4.4.8 ¹ , 4.5.2 ¹ , 4.5.3 ¹ , 4.6.1 ¹	IBM: IOC-210-52 (LP6500) ² , IOC-210-54 (LP7000E-N1) ²	Brocade Silkstorm 2800 ^{3,4} , EMC Connectrix DS-16B ^{3,4,5} , Sequent: FCS-0006-01 ³ , FCS-0008-01 ³ , FCS-0016-02 ³ , FCS-0016-05 ³	15	16	256	256	N

- For DYNIX/ptx 4.4.x connected to Brocade 2xxx, EMC, FCS-xxxx families of switches, configure the following DYNIX/ptx OS parameters: fabric.ops.mode.vcEncode: 1, route.delayReroute: 1, route.stickyRoutes: 1, xlativemodeDisable: 1.
- EMC DP3-FCD42G and EMC DP3-FCD42GS supported on DYNIX/ptx 4.4.8, 4.4.9 and 4.4.10 only.
- The 200-561-9XX, and 200-563-9XX FA director families support a total of 256 LUNs per FA port. (Hewlett Packard Alpha Tru64 supports 255 LUNs.)
- Only supported with IBM xSeries host that does not have an internal switch installed. Requires firmware 2.1.7 or 2.2.1.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.

IBM OS/400

IBM OS/400								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	IBM OS/400 V5R1 ¹	IBM 2766	IBM 2109 ^{2,3}	1	16	256	32	N
2	IBM OS/400 V5R2	IBM 2766	IBM 2109 ³	1	16	256	32	N

- Subject to IBM's limitations per host model.
- Quick Loop Only
- FC-fanout is limited to (1), FC-LUNS/Storage port to is limited to (32)

Microsoft Windows 2000

Microsoft Windows 2000								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹	Emulex LP7000E-EMC; QLLogic: QLA2202F-EMC, QLA2300F-E-SP	Brocade Silkstorm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ² , DS-16B ³ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,6} , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁶ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; Inrange FC9000/64 ⁴ , McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	16	256	256	Y
2	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ⁵ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP982); IBM 00N6881 (QLA2200) ⁷ ; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1)	Brocade Silkstorm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B ² , DS-16B ³ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,6} , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁶ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; Inrange FC9000/64 ⁴ , McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	16	256	256	Y
3	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹	Emulex: LP1050-E, LP1050DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP982), FCA2404DC (LP982DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ⁸ , Optical Pass-thru Module 02R9080 ^{9,10}	Brocade Silkstorm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B ² , DS-16B ³ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,6} , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	16	256	256	Y

Microsoft Windows 2000								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
4	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹	HPQ Dual-port mezzanine controller card	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ² , DS-16B3, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁶ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁶ , ED-140M, ED-64M; Inrange FC9000/64 ⁴ ; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	16	256	256	Y
5	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys FCH732213-P64 (LP9002L-F2)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ² , DS-16B3, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁶ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁶ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; Inrange FC9000/64 ⁴ ; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12, 6	16	256	256	Y
6	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{9, 10}	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ² , DS-16B3, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁶ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	16	256	223, 256	Y
7	Microsoft Windows 2000 Datacenter SP4 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ² , DS-16B3, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁶ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	16	256	256	Y
8	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	Emulex: LP1050-E, LP1050DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ² , DS-16B3, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁶ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	16	256	256	Y

Microsoft Windows 2000								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
9	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹	QLLogic QLA2204F	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ² , DS-16B3, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁶ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; Inrange FC9000/64 ⁴ ; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	16	256	256	Y
10	Microsoft Windows 2000: Advanced Server SP4 ¹ , Datacenter SP4 ¹ , Server SP4 ¹	Emulex LP7000E-EMC; QLLogic: QLA2202F-EMC, QLA2300F-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ² , DS-16B3, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁶ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	16	256	256	Y
11	Microsoft Windows 2000: Advanced Server SP4 ¹ , Datacenter SP4 ¹ , Server SP4 ¹	IBM 00N6881 (QLA2200) ⁷ ; QLLogic QLA2200F-EMC	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ² , DS-16B3, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁶ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁶ , ED-140M, ED-64M; Inrange FC9000/64 ⁴ ; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	16	256	256	Y
12	Microsoft Windows 2000: Advanced Server SP4 ¹ , Datacenter SP4 ¹ , Server SP4 ¹	QLLogic QLA2200F-EMC	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; Inrange FC9000/64 ⁴ ; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12, 6	16	256	256	Y
13	Microsoft Windows 2000: Advanced Server SP4 ¹ , Datacenter SP4 ¹ , Server SP4 ¹	QLLogic QLA2204F	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ² , DS-16B3, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁶ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	16	256	256	Y
14	Microsoft Windows 2000: Advanced Server SP4 ¹ , Server SP4 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ⁸ , Optical Pass-thru Module 02R9080 ⁹ , 10; QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ² , DS-16B3, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁶ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	16	256	256	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- T-port mode only. Port zoning only. Single switch only.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Microsoft Windows 2003

Microsoft Windows 2003								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Microsoft Windows 2003 64-Bit DataCenter	Emulex LP982-E; NEC: NT2007A-A001 ⁹ , NT2010A-A001 ⁷ ; QLogic QLA2340-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ² , DS-16B3, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; Inrange FC9000/64 ⁵ ; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	12	16	256	256	Y
2	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP9802-E, LP9802DC-E, LP982-E; NEC: NT2007A-A001 ⁹ , NT2010A-A001 ⁷ ; QLogic: QLA2340-E-SP, QLA2342-E-SP; Unisys FCH742313-P64 (LP9802)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ² , DS-16B3, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; Inrange FC9000/64 ⁵ ; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	12	16	256	256	Y
3	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ⁶ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2404 (LP9802); IBM: 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ⁷ ; NEC N8803-031 (QLA2310F); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ² , DS-16B3, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; Inrange FC9000/64 ⁵ ; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	12	16	256	256	Y
4	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP1050-E, LP1050DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2384 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ¹⁰ , Optical Pass-thru Module 02R9080 ^{11, 12}	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ² , DS-16B3, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	12	16	256	256	Y
5	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	HPQ Dual-port mezzanine controller card	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ² , DS-16B3, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; Inrange FC9000/64 ⁵ ; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	12	16	256	256	Y

Microsoft Windows 2003								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
6	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{11, 12}	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ² , DS-16B3, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	12	16	256	223, 256	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- T-port mode only. Port zoning only. Single switch only.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- This HBA is equivalent to the qLogic QLA2340.
- This HBA is equivalent to the qLogic QLA2310.
- This HBA is equivalent to the Emulex LP982.
- Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Microsoft Windows NT

Microsoft Windows NT								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP7000E-EMC; QLLogic: QLA2202F-EMC, QLA2300F-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁶ , DS-16B7, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; Inrange FC9000/64 ³ ; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ⁸ , ES-4500	12	16	256	256	Y
2	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ⁴ ; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁶ , DS-16B7, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; Inrange FC9000/64 ³ ; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ⁸ , ES-4500	12	16	256	256	Y
3	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP850-EMC, LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: 176479-B21, FCA2404 (LP9802); IBM 00N6881 (QLA2200) ² ; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁶ , DS-16B7, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; Inrange FC9000/64 ³ ; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ⁸ , ES-4500	12	16	256	256	Y
4	Microsoft Windows NT 4.0 SP6A ¹	HPQ: DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁶ , DS-16B7, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; Inrange FC9000/64 ³ ; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ⁸ , ES-4500	12	16	256	256	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- T-port mode only. Port zoning only. Single switch only.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- EMC DS-32B2 or ED-1200B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)**

Novell Network

Novell Network								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Novell Network 6.0: SP1 ^{1,2} , SP2 ^{1,2} , SP3 ¹	IBM: 00N6881 (QLA2200) ^{12,13} , 19K1246(QLA2310) ^{12,14} , 24P0960(QLA2340) ^{12,15} , QLLogic QLA2342-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁹ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹⁷ , ES-4500	6	16	256	128 ⁵	γ ¹⁰
2	Novell Network 6.0: SP1 ^{1,2} , SP2 ^{1,2} , SP3 ¹ , Novell Network 6.5 ^{1,16}	IBM: 00N6881 (QLA2200) ^{12,13} , 19K1246(QLA2310) ^{12,14} , 24P0960(QLA2340) ^{12,15} , QLLogic QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ³ , 2800 ³ , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{3,6} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁹ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁹ , ED-1032 ⁸ , ED-12000B ⁹ , ED-140M, ED-64M ⁸ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁷ , ES-4500	1	16	256	128 ⁵	γ ⁴
3	Novell Network 6.0: SP1 ^{1,2} , SP2 ^{1,2} , SP3 ¹ , Novell Network 6.5 ^{1,16}	QLLogic: QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ³ , 2800 ³ , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{3,6} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁹ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁹ , ED-1032 ⁸ , ED-12000B ⁹ , ED-140M, ED-64M ⁸ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁷ , ES-4500	1	16	256	223 ⁵ , 256 ⁵	γ ⁴
4	Novell Network 6.5 ^{1,16}	Emulex LP9002-E (LP9002L-E); QLLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁹ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹⁷ , ES-4500	6	16	256	256 ⁵	γ ¹⁰
5	Novell Network 6.5 ^{1,16}	IBM: 00N6881 (QLA2200) ^{12,13} , 19K1246(QLA2310) ^{12,14} , 24P0960(QLA2340) ^{12,15} , QLLogic QLA2342-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁹ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹⁷ , ES-4500	6	16	256	128 ⁵	γ ¹⁰
6	Novell Network: 5.00 SP6A ^{2,11} , 5.10 SP2A ² , 5.10 SP5 ² , 5.10 SP6	IBM: 00N6881 (QLA2200) ¹³ , 19K1246(QLA2310) ^{12,14} , 24P0960(QLA2340) ^{12,15} , QLLogic QLA2342-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁹ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹⁷ , ES-4500	6	16	256	128 ⁵	γ ¹⁰
7	Novell Network: 5.00 SP6A ^{2,11} , 5.10 SP2A ² , 5.10 SP5 ² , 5.10 SP6, 6.0 SP1 ^{1,2} , 6.0 SP2 ^{1,2} , 6.0 SP3 ¹	Emulex LP9002-E (LP9002L-E); QLLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁹ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹⁷ , ES-4500	6	16	256	256 ⁵	γ ¹⁰

1. NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
2. Maximum number of NWFS volumes that can be mounted is 64.
3. Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
4. "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA):
 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port.
 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/Fanin of 12:1/1:12 and NetWare using the QLA2200F, which has a Fanout/Fanin of 6:1/1:6. The Fanout/Fanin is restricted to 6:1/1:6.
 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information.
 4. Reference the Heterogeneous FA Port Sharing section of Director Bit Information, Table 138 on page 345.
 5. Microcode level 5x66 and above.
5. NetWare 5.00 NSS has a 120 LUNs per port limitation. If NSS is used, the maximum LUNs per Symm-Port/HBA is 120/120.
6. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
7. EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
8. ED-64 and ED-1032 not supported for FC5300.
9. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
10. "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA):
 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port. 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/ Fanin of 12:1/1:12 and Netware using the QLA2200F, which has a Fanout/Fanin of 6: 1/1:6. The Fanout/Fanin is restricted to 6:1/1:6. 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information. 4. Reference the Heterogeneous FA Port Sharing section of Director Bit Information. 5. Microcode level 5x66 and above.
11. Requires NWPA.NLM V.3.07A update from Novell website.
12. For IBM Netfinity and xSeries Intel servers only.
13. (QLA2200) For IBM xSeries and Netfinity servers only.
14. This HBA is equivalent to the qLogic QLA2310.
15. This HBA is equivalent to the qLogic QLA2340.
16. Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.
17. Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Red Hat Linux

Red Hat Linux									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
1	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 12} , v2.4.9-E.12 ^{2, 12} , v2.4.9-E.16 ^{2, 12} , v2.4.9-E.3 ^{2, 3, 1} , Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 12} , v2.4.9-e.16 ^{2, 12}	HPQ Dual-port mezzanine controller card ^{4, 20, 21}	Brocade Silkworm: 1000, 12000, 2400 ⁶ , 2800 ⁶ , 3200 ⁷ , 3800 ⁶ , 3900, 6400 ⁶ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2, 9} , DS-16B ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B ²¹¹ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁶ , ED-1032 ¹⁰ , ED-12000B ¹¹ , ED-64M; McDATA: ED-5000 ¹⁰ , ED-6064, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	12	16	256	128, 256	Y ⁵	See ¹
2	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 12} , v2.4.9-E.12 ^{2, 12} , v2.4.9-E.16 ^{2, 12} , v2.4.9-E.3 ^{2, 3, 1} , Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 12} , v2.4.9-e.16 ^{2, 12}	QLogic: QLA2200F-EMC ⁴ , QLA2310F-E-SP ⁴ , QLA2340-E-SP ⁴	Brocade Silkworm: 1000, 12000, 2400 ⁶ , 2800 ⁶ , 3200 ⁷ , 3800 ⁶ , 3900, 6400 ⁶ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2, 9} , DS-16B ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B ²¹¹ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁶ , ED-1032 ¹⁰ , ED-12000B ¹¹ , ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000 ¹⁰ , ED-6064, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	12	16	256	128	Y ⁵	See ¹
3	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 12} , v2.4.9-E.12 ^{2, 12} , v2.4.9-E.16 ^{2, 12} , v2.4.9-E.3 ^{2, 3, 1} , v2.4.9-E.9 ^{2, 12} , Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 12} , v2.4.9-e.16 ^{2, 12}	QLogic: QLA2200F-EMC ⁴ , QLA2310F-E-SP ⁴ , QLA2340-E-SP ⁴	Brocade Silkworm 3900; Cisco MDS: 9216, 9509; EMC Connectrix DS-32B ²¹¹	6	16	256	128 ¹³	Y	
4	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 12} , v2.4.9-E.12 ^{2, 12} , v2.4.9-E.16 ^{2, 12} , v2.4.9-E.3 ^{2, 3, 1} , v2.4.9-E.9 ^{2, 12} , Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 12} , v2.4.9-e.16 ^{2, 12} , Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	HPQ Dual-port mezzanine controller card ^{4, 20, 21}	Brocade Silkworm 3900; Cisco MDS: 9216, 9509; EMC Connectrix DS-32B ²¹¹	6	16	256	128 ¹³ , 256 ¹³	Y	

Red Hat Linux									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
5	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² ; v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES v2.4.9-e.24 ²	Emulex LP982-E ⁴ , 14, 16, 17, 18, 22	Brocade Silkworm: 1000, 1200 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁷ , 3800 ⁶ , 3900, 6400 ⁶ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{26,9} , DS-16B ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B ²¹¹ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁶ , ED-1032 ¹⁰ , ED-12000B ¹¹ , ED-140M, ED-64M; McDATA: ED-5000 ¹⁰ , ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	12	16	256	128	Y ⁵	See ¹
6	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² ; v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES v2.4.9-e.24 ²	Emulex: LP9002-E (LP9002L-E) ^{4,14,15,16,17,18,19} , LP9002DC-E ^{4,14,15,16,17,18} , LP9802-E ^{4,14,15,16,17,18} , LP9802DC-E ^{4,14,15,16,17,18}	Brocade Silkworm: 1000, 1200 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁷ , 3800 ⁶ , 3900, 6400 ⁶ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{26,9} , DS-16B ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B ²¹¹ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁶ , ED-1032 ¹⁰ , ED-12000B ¹¹ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000 ¹⁰ , ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	12	16	256	128	Y ⁵	See ¹
7	Red Hat Linux 2.1 ES v2.4.9-e.25 ²	Emulex LP1050DC-E ^{4,14,15,16,17,18}	Brocade Silkworm: 1000, 1200 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁷ , 3800 ⁶ , 3900, 6400 ⁶ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{26,9} , DS-16B ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B ²¹¹ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁶ , ED-1032 ¹⁰ , ED-12000B ¹¹ , ED-140M, ED-64M; McDATA: ED-5000 ¹⁰ , ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	12	16	256	1238	Y ⁵	See ¹
8	Red Hat Linux 2.1 ES v2.4.9-e.25 ²	Emulex: LP10000-E ^{4,14,15,16,17} , LP10000DC-E ^{4,14,15,16,17} , LP9002-E (LP9002L-E) ^{4,14,15,16,17,18,19} , LP9002DC-E ^{4,14,15,16,17,18} , LP9802-E ^{4,14,15,16,17,18} , LP9802DC-E ^{4,14,15,16,17,18}	Brocade Silkworm: 1000, 1200 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁷ , 3800 ⁶ , 3900, 6400 ⁶ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{26,9} , DS-16B ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B ²¹¹ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁶ , ED-1032 ¹⁰ , ED-12000B ¹¹ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000 ¹⁰ , ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	12	16	256	128	Y ⁵	See ¹
9	Red Hat Linux 2.1 ES v2.4.9-e.25 ²	Emulex: LP1050-E ^{4,14,15,16,17,18} , LP982-E ^{4,14,16,17,18,22}	Brocade Silkworm: 1000, 1200 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁷ , 3800 ⁶ , 3900, 6400 ⁶ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{26,9} , DS-16B ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B ²¹¹ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁶ , ED-1032 ¹⁰ , ED-12000B ¹¹ , ED-140M, ED-64M; McDATA: ED-5000 ¹⁰ , ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	12	16	256	128	Y ⁵	See ¹
10	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	Brocade Silkworm 3900; Cisco MDS: 9216, 9509; EMC Connectrix DS-32B ²¹¹	6	16	256	128	Y	

Red Hat Linux									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
11	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex: LP1000DC-E, LP9002DC-E, LP9802-E; QLogic: QLA2200F-EMC ⁴ , QLA2310F-E-SP ⁴ , QLA2340-E-SP ⁴	Brocade Silkstorm: 1000, 12000, 2400 ⁶ , 2800 ⁶ , 3200 ⁷ , 3800 ⁶ , 3900, 6400 ⁶ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,9} , DS-16B ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹¹ , DS-32M, DS-32M2, DS-8B ⁶ , ED-1032 ¹⁰ , ED-12000B ¹¹ , ED-64M; McDATA: ED-5000 ¹⁰ , ED-6064, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	12	16	256	128	Y ⁵	See ¹
12	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex: LP1000DC-E, LP9002DC-E; QLogic: QLA2200F-EMC ⁴ , QLA2310F-E-SP ⁴ , QLA2340-E-SP ⁴	Brocade Silkstorm 3900; Cisco MDS: 9216, 9509; EMC Connectrix DS-32B2 ¹¹	6	16	256	128 ¹³	Y	
13	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	HPQ Dual-port mezzanine controller card ^{4, 20, 21}	Brocade Silkstorm: 1000, 12000, 2400 ⁶ , 2800 ⁶ , 3200 ⁷ , 3800 ⁶ , 3900, 6400 ⁶ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,9} , DS-16B ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹¹ , DS-32M, DS-32M2, DS-8B ⁶ , ED-1032 ¹⁰ , ED-12000B ¹¹ , ED-64M; McDATA: ED-5000 ¹⁰ , ED-6064, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	12	16	256	128, 256	Y ⁵	See ¹
14	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP9002-E (LP9002L-E) ^{4, 14, 15, 16, 17, 18, 19} , LP9002DC-E ^{4, 14, 15, 16, 17, 18} , LP9802-E ^{4, 14, 15, 16, 17, 18} , LP9802DC-E ^{4, 14, 15, 16, 17, 18}	Brocade Silkstorm: 1000, 12000, 2400 ⁶ , 2800 ⁶ , 3200 ⁷ , 3800 ⁶ , 3900, 6400 ⁶ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,9} , DS-16B ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹¹ , DS-32M, DS-32M2, DS-8B ² , DS-8B ⁶ , ED-1032 ¹⁰ , ED-12000B ¹¹ , ED-140M, ED-64M; McDATA: ED-5000 ¹⁰ , ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	12	16	256	128	Y ⁵	See ¹

- All adapters must be the same type except with HP-UX.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RQP.
- Supported with QLogic driver v6.05.00.
- Single HBA zoning is required regardless of the switch being utilized.
- "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA): 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port. 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/ Fanin of 12:1/1:12 and Netware using the QLA2200F, which has a Fanout/Fanin of 6: 1/1:6. 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information. 4. Reference the Heterogeneous FA Port Sharing section of Director Bit Information. 5. Microcode level 5x66 and above.
- Requires Brocade firmware v2.5.1b or later.
- Requires Brocade firmware v3.0.2a or later.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- Requires Connectrix microcode v2.0.1 or later or v2.2 or later.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- NetWare 5.00 NSS has a 120 LUNs per port limitation. If NSS is used, the maximum LUNs per Symm-Port/HBA is 120/120.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

SGI IRIX

SGI IRIX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	SGI IRIX 6.5.14	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B, XT-FC-1P-OPT-A	McDATA ED-6064	4	16	256	256	N
2	SGI IRIX 6.5.15	SGI PCI-FC-1P-OPT-A	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; EMC Connectrix: DS-16B ¹ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-6064, ES-3216, ES-3232, ES-4500	4	16	256	128	N
3	SGI IRIX 6.5.15	SGI PCI-FC-1P-OPT-B	Brocade Silkworm: 2400, 2800, 6400; EMC Connectrix: DS-16B ¹ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B; EMC DP3-SCB1; McDATA: ED-6064, ES-3216, ES-3232, ES-4500	4	16	256	128	N
4	SGI IRIX 6.5.15	SGI XT-FC-1P-OPT-A	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; EMC Connectrix: DS-16B ¹ , DS-8B; EMC DP3-SCQ1	4	16	256	128	N
5	SGI IRIX 6.5.16	SGI: PCI-FC-1P-OPT-A, XT-FC-1P-OPT-A	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-12000B ² ; EMC DP3-SCB1; McDATA: ED-6064, ES-3216, ES-3232, ES-4500	4	16	256	252	N
6	SGI IRIX: 5.3, 6.4.1	SGI XT-FC-1P-OPT-A	Brocade Silkworm: 2400, 2800, 3900, 6400; EMC Connectrix: DS-16B ¹ , DS-8B; EMC DP3-SCQ1	4	16	256	128	N
7	SGI IRIX: 6.5.10, 6.5.11, 6.5.14, 6.5.16, 6.5.9	SGI: PCI-FC-1P-OPT-A, XT-FC-1P-OPT-A	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; EMC Connectrix: DS-16B ¹ , DS-8B; EMC DP3-SCQ1	4	16	256	128	N
8	SGI IRIX: 6.5.12, 6.5.13	SGI PCI-FC-1P-OPT-A	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; EMC Connectrix: DS-16B ¹ , DS-8B; EMC DP3-SCQ1	4	16	256	128	N
9	SGI IRIX: 6.5.12, 6.5.13	SGI XT-FC-1P-OPT-A	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; EMC Connectrix: DS-16B ¹ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B; EMC: DP3-SCB1, DP3-SCQ1; McDATA ED-6064	4	16	256	128	N
10	SGI IRIX: 6.5.12, 6.5.13, 6.5.14, 6.5.15, 6.5.16	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B, XT-FC-1P-OPT-A	EMC Connectrix ED-64M	4	16	256	255	N
11	SGI IRIX: 6.5.17, 6.5.18	SGI PCI-FC-1P-OPT-A	EMC Connectrix DS-32B2 ²	4	16	256	252	N
12	SGI IRIX: 6.5.17, 6.5.18	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B	EMC Connectrix DS-32B2 ²	4	16	256	128	N
13	SGI IRIX: 6.5.17, 6.5.18	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B, XT-FC-1P-OPT-A	Brocade Silkworm: 12000, 2400, 2800, 3900; EMC Connectrix: DS-16B2 ³ , DS-16B ¹ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ² , DS-32M, DS-32M2, ED-140M; McDATA ED-6064	4	16	256	256	N
14	SGI IRIX: 6.5.17, 6.5.18	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B, XT-FC-1P-OPT-A	EMC Connectrix: ED-12000B ² , ED-64M	4	16	256	255	N

- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

SuSE Linux

SuSE Linux									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
1	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex LP1050DC-E ^{4,7,8,9,10,20}	Brocade Silkworm: 1000, 12000, 2400 ¹² , 2800 ¹² , 3200 ¹⁷ , 3800 ¹² , 3900, 6400 ¹² ; EMC Connectrix: DS-16B2 ^{12,16} , DS-16B ¹³ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁵ , DS-32M, DS-32M2, DS-8B2, DS-8B ¹² , ED-1032 ¹⁴ , ED-12000B ¹⁵ , ED-140M, ED-64M; McDATA: ED-5000 ¹⁴ , ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	12	16	256	1238	Y ¹¹	See ¹

SuSE Linux									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
2	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP1000-E ^{4, 5, 8, 9, 10} , LP1000DC-E ^{4, 5, 8, 9, 10} , LP9002-E (LP9002L-E) ^{4, 5, 6, 7, 8, 9, 10} , LP9002DC-E ^{4, 5, 7, 8, 9, 10} , LP9802-E ^{4, 5, 7, 8, 9, 10} , LP9802DC-E ^{4, 5, 7, 8, 9, 10}	Brocade Silkworm: 1000, 12000, 2400 ¹² , 2800 ¹² , 3200 ¹⁷ , 3800 ¹² , 3900, 6400 ¹² ; EMC Connectrix: DS-16B ^{2, 16} , DS-16B ¹³ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2, 15} , DS-32M, DS-32M2, DS-8B2, DS-8B ¹² , ED-1032 ¹⁴ , ED-12000B ¹⁵ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000 ¹⁴ , ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	12	16	256	128	Y ¹¹	See ¹
3	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP1050-E ^{4, 7, 8, 9, 10, 20} , LP982-E ^{4, 7, 8, 9, 10, 19}	Brocade Silkworm: 1000, 12000, 2400 ¹² , 2800 ¹² , 3200 ¹⁷ , 3800 ¹² , 3900, 6400 ¹² ; EMC Connectrix: DS-16B ^{2, 16} , DS-16B ¹³ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2, 15} , DS-32M, DS-32M2, DS-8B2, DS-8B ¹² , ED-1032 ¹⁴ , ED-12000B ¹⁵ , ED-140M, ED-64M; McDATA: ED-5000 ¹⁴ , ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	12	16	256	128	Y ¹¹	See ¹
4	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	HPQ Dual-port mezzanine controller card ^{4, 5, 18}	EMC Connectrix: DS-16B ^{2, 16} , DS-16B ¹³ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2, 15} , DS-32M, DS-32M2, DS-8B2, DS-8B ¹² , ED-1032 ¹⁴ , ED-12000B ¹⁵ , ED-140M, ED-64M	12	16	256	128, 256	Y ¹¹	See ¹
5	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	QLogic: QLA2200F-EMC ^{4, 5, 8} , QLA2310F-E-SP ^{4, 5, 8} , QLA2340-E-SP ^{4, 5, 8} , QLA2342-E-SP ^{4, 5, 8}	EMC Connectrix: DS-16B ^{2, 16} , DS-16B ¹³ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2, 15} , DS-32M, DS-32M2, DS-8B2, DS-8B ¹² , ED-1032 ¹⁴ , ED-12000B ¹⁵ , ED-140M, ED-64M	12	16	256	256	Y ¹¹	See ¹

- All adapters must be the same type except with HP-UX.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA):** 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port. 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/ Fanin of 12:1/1:12 and Netware using the QLA2200F, which has a Fanout/Fanin of 6: 1/1:6. The Fanout/Fanin is restricted to 6:1/1:6. 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information. 4. Reference the Heterogeneous FA Port Sharing section of Director Bit Information. 5. Microcode level 5x66 and above.
- Requires Brocade firmware v2.5.1b or later.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- Requires Connectrix microcode v2.0.1 or later or v2.2 or later.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- Requires Brocade firmware v3. 0. 2a or later.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Sun Solaris

Sun Solaris								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Sun Solaris 2.6	Emulex: LP8000-EMC ² , LP9002-E (LP9002L-E), LP9002S-E; JNI: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCI-1063-EMC; QLogic: QLA2200F-EMC, QLA2300F-E-SP	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2, 3} , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; Inrange FC9000/64 ⁶ ; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232	12	16	256	128	Y ¹
2	Sun Solaris 7	Emulex: LP8000-EMC ² , LP9002-E (LP9002L-E), LP9002S-E, LP9802-E; JNI: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCI-1063-EMC, FCX2-6562-E; QLogic: QLA2200F-EMC, QLA2202FS-E, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2, 3} , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; Inrange FC9000/64 ⁶ ; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232	12	16	256	256	Y ¹

Sun Solaris								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
3	Sun Solaris 8	Emulex LP8000-EMC ²	Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC Connectrix DS-32B2 ⁵	6	16	256	128(Sol 2.6), 256(Sol 7.8)	Y
4	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP9002S-E, LP9802-E; JNI: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLLogic: QLA2202FS-E, QLA2340-E-SP	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC Connectrix: DS-16B2 ³ , DS-16B4, DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; Inrange FC9000/64 ⁶ ; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232	12	16	256	256	Y ¹
5	Sun Solaris 8	Emulex: LP8000-EMC ² , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2342-E-SP	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC Connectrix: DS-16B2 ³ , DS-16B4, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; Inrange FC9000/64 ⁶ ; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232	12	16	256	256	Y ¹
6	Sun Solaris 8	Emulex: LP8000-EMC ² , LP9002S-E	Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC Connectrix DS-32B2 ⁵	6	16	256	256	Y
7	Sun Solaris 8	JNI FCI-1063-EMC; QLLogic QLA2300F-E-SP	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ³ , DS-16B4, DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; Inrange FC9000/64 ⁶ ; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232	12	16	256	256	Y ¹
8	Sun Solaris 9	Emulex LP8000-EMC ²	Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC: Connectrix DS-32B2 ⁵ , DP3-SCB1, DP3-SCQ1	6	16	256	128(Sol 2.6), 256(Sol 7.8)	Y
9	Sun Solaris 9	Emulex LP8000-EMC ² ; QLLogic QLA2340-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC Connectrix: DS-16B4, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁹ , ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	6	16	256	256	Y
10	Sun Solaris 9	Emulex LP9002S-E	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC Connectrix: DS-16B4, DS-32B2 ⁵ , DS-8B, DS-8B2, ED-1032, ED-12000B ⁹ , ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	6	16	256	256	Y
11	Sun Solaris 9	Emulex: LP10000-E, LP10000DC-E	Cisco MDS: 9216 ⁷ , 9509 ⁷	12	16	256	256	Y ¹
12	Sun Solaris 9	Emulex: LP8000-EMC ² , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2342-E-SP	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC Connectrix: DS-16B2 ³ , DS-16B4, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; Inrange FC9000/64 ⁶ ; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232	12	16	256	256	Y ¹
13	Sun Solaris 9	JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCX2-6562-E	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC Connectrix: DS-16B4, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁹ , ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	6	16	256	256	Y

Sun Solaris								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
14	Sun Solaris 9	QLogic QLA2340-E-SP	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC Connectrix: DS-16B2 ³ , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232	12	16	256	256	Y ¹
15	Sun Solaris: 8, 9	Sun: X6767A (SG-XPCI1FC-QF2), X6768A (SG-XPCI2FC-QF2)	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC Connectrix: DS-16B2 ³ , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; Inrange FC9000/64 ⁶ ; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232	12	16	256	256	Y ¹

- "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA): 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port. 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/ Fanin of 12:1/1:12 and Netware using the QLA2200F, which has a Fanout/Fanin of 6: 1/1:6. The Fanout/Fanin is restricted to 6:1/1:6. 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information. 4. Reference the Heterogeneous FA Port Sharing section of Director Bit Information. 5. Microcode level 5x66 and above.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- EMC DS-16B2 for "Extended Fabric License" , use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- T-port mode only. Port zoning only. Single switch only.
- No boot support at this time.

Unisys MCP

Unisys MCP								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Unisys MCP 48.1 (HMP 7.0)	Unisys FCA1850-LC	Brocade Silkworm: 2400, 2800, 3200, 3800	1	16	256	1024	N
2	Unisys MCP 48.1 (HMP 7.0)	Unisys: FCA1850-LC, FCA621-CU ⁵ , FCA622-SW ¹ , FCA623-LW ⁶ , FCA661-CU ² , FCA662-SW ³ , FCA663-LW ⁴	Brocade Silkworm: 2400, 2800, 3800; EMC Connectrix: DS-16B2 ⁸ , DS-16B ⁷ , DS-8B	2	16	256	512	Y
3	Unisys MCP 48.1 (HMP 7.0)	Unisys: FCA661-CU ² , FCA662-SW ³ , FCA663-LW ⁴	Brocade Silkworm: 2400, 2800, 3200, 3800	1	16	256	512	N

- Fibre Short Wave
- Hi Perform Fibre Copper
- Hi Perform Short Wave
- Hi Perform Long Wave
- Fibre Copper
- Fibre Long Wave
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License" , use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

Unisys OS 2200

Unisys OS 2200								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Unisys OS 2200 HMP: 6.1, 7.0, 7.1, 8.0	Unisys: FCA622-SW ¹ , FCA662-SW ²	Brocade Silkworm: 12000, 2400, 2800, 3800, 3900; EMC Connectrix: DS-16B2 ⁴ , DS-16B ³ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, ED-12000B ⁵ , ED-140M	4	16	256	256	Y

- Fibre Short Wave
- Hi Perform Short Wave
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License" , use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.

Unisys SB7

Unisys SB7								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Unisys SB7	Unisys FCA622-SW ²	Brocade Silkworm: 2400, 3900; EMC Connectrix: DS-16B2 ⁶ , DS-16M2, DS-24M2 ¹ , DS-32B2 ⁷ , DS-32M2 ¹ , DS-32M ¹ , DS-8B, ED-12000B ⁷ , ED-140M; McDATA: ES-3032, ES-3232, ES-4500	1	16	256	256	Y

Unisys SB7								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
2	Unisys SB7	Unisys: FCA621-CU ³ FCA622-SW ² , FCA623-LW ⁴	Brocade Silkworm: 12000, 2400, 2800, 3800, 3900; EMC Connectrix: DS-16B ^{2,6} , DS-16B ⁵ , DS-16M, DS-16M2, DS-32B ^{2,7} , DS-32M, DS-8B, ED-12000B ⁷ , ED-140M	4	16	256	256	Y

- The FCA622-SW channel must be used in conjunction with Unisys Fibre CA-MCODE version 1R13Q7 E0.FB (30.251) or higher.
- Fibre Short Wave
- Fibre Copper
- Fibre Long Wave
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.

VMware ESX

VMware ESX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	VMware ESX v1.5.2 patch ^{4, 2, 3}	QLogic: QLA2340-E-SP ⁸ , QLA2342-E-SP ⁷	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,5} , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,4} , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	16	256	256	Y
2	VMware ESX v1.5.2 patch ^{5, 2, 3}	QLogic: QLA2340-E-SP ⁷ , QLA2342-E-SP ⁷	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,5} , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,4} , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	16	256	256	Y
3	VMware ESX v1.5.2; patch ^{2, 3}	QLogic: QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,5} , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,4} , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; EMC: DP3-SCB1, DP3-SCQ1; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	16	256	256	Y
4	VMware ESX v2.0.11, 9, 10	QLogic: QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ⁷	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,5} , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,4} , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	16	256	256	Y

- EMC software will function on neither the VMkernel nor the VMs as the currently-released versions of the SymAPI do not include support for VMware ESX.
- Path failover and load-balancing are not supported.
- Windows 2000 SP3 and SP4, Windows NT 4.0, and RHEL 2.1 ES/AS are qualified to run as Virtual Machines.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- Supported with QLogic driver v6.04.00-emc included in the VMware ESX v1.5.2 patch 5 release and BIOS v1.34.
- Supported with QLogic driver v6.04.00-emc included in the VMware ESX v1.5.2 patch 4 release and BIOS v1.34.
- Windows 2000 SP4, Windows 2003, and RHEL 2.1 ES/AS are qualified to run as Virtual Machines.
- PowerPath is not supported on VMware ESX v2.0.1. However, the native VMware ESX v2.0.1 path failover is supported on Symmetrix 8000 and DMX.

iSCSI to FC Routing

No.	Operating System	Network Interface Card	Driver	Network Configuration	Bridge	Firmware Revision	Comments
1	Microsoft Windows 2000: Advanced Server SP ^{3,7} , Server SP ^{3,7} ; Sun Solaris 8	Generic NIC 10/100, Generic NIC GE	Cisco 2.1.4	LAN Only	Cisco SN 5420 ^{2, 3, 4, 5, 6}	Cisco 2.1.2.6	See ¹
2	Microsoft Windows 2000: Advanced Server SP ^{4,7} , Server SP ^{4,7} ; Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁷ , Standard Edition (Server) ⁷	Generic NIC 10/100, Generic NIC GE	Microsoft 1.01 ^{3, 4, 8, 9}	LAN Only ^{10, 11}	Nishan IPS 3300, Nishan IPS 4300	4.1	See ^{12, 13, 14, 15}

- 5568.47.17 is the minimum code required for a 5420 on the Symmetrix 8000.
- Refer to document - Symmetrix in an iSCSI Cisco Storage Router Configuration EMC P/N 300-000-688, for configuration guidelines.
- Booting over iSCSI is not supported.
- Clusters are not supported.
- SymAPI 5.0.1 is required.
- PowerPath is supported and the configuration is specified in the configuration document.

7. EMC recommends that HBAs of different vendors not be used in the same host server.
8. **Microsoft Dynamic Disks are not supported.**
9. **The maximum number of iSCSI LUNs supported per host system is 128.**
10. **Layer 2 or single subnet TCP/IP LAN**
11. **Requires a dedicated network for iSCSI storage only. The network should be design to have no packet loss or packet duplication.**
12. **This configuration requires completion of a Pre-Sales Questionnaire (PSQ).**
13. **PowerPath 3.0.5 is supported with different subnets for each path.**
14. **LUN masking requires Solutions Enabler 5.3 with SAN Manager 5.1.**
15. **A maximum of 12:1 fan-in is supported.**

Application Software

Fujitsu Solaris

Fujitsu Solaris			
No.	Operating System	Host Bus Adapter	Application Software
1	Fujitsu Solaris: 7, 8	Fujitsu GP7B8FC1	PowerPath: 2.0.3, 2.1.0, 2.1.2, 3.0.2, 3.0.3, 3.0.4

Fujitsu Siemens Solaris

Fujitsu Siemens Solaris			
No.	Operating System	Host Bus Adapter	Application Software
1	Fujitsu Siemens Solaris 8	Fujitsu Siemens LP9802-E (GP70F-CF31)	PowerPath: 2.0.3, 2.1.0, 2.1.2, 3.0.2
2	Fujitsu Siemens Solaris 8: 02/02, 850/650	Fujitsu Siemens LP9802-E (GP70F-CF31)	PowerPath: 2.0.3, 2.1.0, 2.1.2, 3.0.2, 3.0.3, 3.0.4, 4.0.0 ³ , 4.0.1 ³ , 4.0.2 ³ , 4.0.3 ³
3	Fujitsu Siemens Solaris 9 04/03	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	PowerPath: 3.0.3, 3.0.4, 4.0.0 ³ , 4.0.1 ³ , 4.0.2 ³ , 4.0.3 ³
4	Fujitsu Siemens Solaris: 2.6 May 98, 7 Nov 99, 8 02/02, 8 850/650	Fujitsu Siemens LP9002-E (LP9002L-E) GP70F-CF30	PowerPath: 2.0.3, 2.1.0, 2.1.2, 3.0.2, 3.0.3, 3.0.4, 4.0.0 ³ , 4.0.1 ³ , 4.0.2 ³ , 4.0.3 ³
5	Fujitsu Siemens Solaris: 2.6 May 98, 7 Nov 99, 8 02/02, 8 850/650, 9 04/03	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X)	PowerPath: 3.0.3, 3.0.4, 4.0.0 ³ , 4.0.1 ³ , 4.0.2 ³ , 4.0.3 ³
6	Fujitsu Siemens Solaris: 2.6, 2.6 May 98, 7, 7 Nov 99, 8, 8 02/02, 8 850/650	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{1, 2}	PowerPath: 2.0.3, 2.1.0, 2.1.2, 3.0.2
7	Fujitsu Siemens Solaris: 2.6, 7, 8	Fujitsu Siemens LP9002-E (LP9002L-E) GP70F-CF30	PowerPath: 2.0.3, 2.1.0, 2.1.2, 3.0.2

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
3. RPQ for PowerPath Volume Manager support with PRIMECLUSTER.
4. Pending final general availability dates.

HPQ HP-UX

HPQ HP-UX			
No.	Operating System	Host Bus Adapter	Application Software
1	HPQ HP-UX 11.0: 990 ² , ACE ²	HPQ: A3404A, A3591A, A3591B, A3636A, A3740A, A5158A, A6684A, A6685A, A6795A ⁵	PowerPath: 2.0.2 ⁴ , 2.1.0 ³ , 2.1.2 ³ , 2.1.3 ³ , 3.0.0 ³ , 3.0.1 ³
2	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ A6826A ^{7, 8}	PowerPath 3.0.3 b 003 ^{6, 9}
3	HPQ HP-UX: 11.0 ² , 11i v1.0 (HP-UX 11.11) ^{1, 2}	HPQ: A3404A, A3591A, A3591B, A3636A, A3740A, A5158A, A6684A, A6685A, A6795A ⁵	PowerPath: 2.0.2 ⁴ , 2.1.0 ³ , 2.1.2 ³ , 2.1.3 ³ , 3.0.0 ³ , 3.0.1 ³ , 3.0.3 b 003 ^{3, 6}

1. Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher.
2. For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
3. Sites using VERITAS VxVM, see VERITAS Volume Manager Table.
4. Configurations are limited to systems using HP-UX Logical Volume Manager (LVM). All devices configured into PowerPath must also be configured into HP LVM.
5. As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)
 L2000 (product number A5191A)
 N4000 Revision A (product number A3639A)
 N4000 Revision B (product number A3639B)

6. Supported with HP-UX 11.0, 11i only
7. **Required Patch PHKL_28569, PHKL_26938 and 2port 2Gig driver version 11.11.01.**
8. **Host must be configured as a 64Bit operating system.**
9. **With PowerPath 3.0.1 and later, HP-UX 11i, Symm6 support: VxVM 3.2 is supported; VxVM 3.5 currently not supported.**

HPQ Tru64 UNIX

HPQ Tru64 UNIX			
No.	Operating System	Host Bus Adapter	Application Software
1	HPQ Tru64 UNIX V4.0F ⁵	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	PowerPath: 2.0.0, 2.1.0, 2.1.1
2	HPQ Tru64 UNIX V4.0G ⁴	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	PowerPath: 2.0.0, 2.1.0, 2.1.1, 3.0.0
3	HPQ Tru64 UNIX V5.0A	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	PowerPath: 2.0.0, 2.1.0, 2.1.1, 3.0.0 ³
4	HPQ Tru64 UNIX V5.1 ²	HPQ: FCA2354 (LP9002), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	PowerPath: 2.0.0, 2.1.0, 2.1.1, 3.0.0
5	HPQ Tru64 UNIX V5.1A ¹	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	PowerPath: 2.1.1, 3.0.0
6	HPQ Tru64 UNIX V5.1B ⁶	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	PowerPath 3.0.0

1. **Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).**
2. **Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).**
3. For support on Tru64 5.0A, RPQ.
4. **Tru64 V4.0G latest qualified Patch Kit 4 (T64V40GB22AS0004-20030731).**
5. **Tru64 V4.0F BL13 Patch Kit 2 may introduce problems with KZPBA adapters. Tru64 V4.0F latest qualified Patch Kit 8 (DUV40FB22AS0008-20030730).**
6. **Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).**

IBM AIX

IBM AIX			
No.	Operating System	Host Bus Adapter	Application Software
1	IBM AIX 4.3.2	Bull DCCG148-0000 ¹	PowerPath: 2.0.2, 2.1.0, 2.1.2, 3.0.1, 3.0.2
2	IBM AIX 4.3.3	Bull DCCG148-0000 ¹	PowerPath: 2.0.2, 2.1.0, 2.1.2, 3.0.1, 3.0.2, 3.0.4
3	IBM AIX 4.3.3	IBM: 6227, 6228	PowerPath: 2.0.2, 2.1.0, 2.1.3, 3.0.0, 3.0.1, 3.0.3 ³ , 3.0.4 ³
4	IBM AIX 5.1	Bull DCCG148-0000 ¹	PowerPath: 2.1.3, 3.0.1, 3.0.2, 3.0.4
5	IBM AIX 5.1	IBM: 6227, 6228	PowerPath: 2.1.1, 2.1.3, 3.0.0, 3.0.1, 3.0.3 ³ , 3.0.4 ³
6	IBM AIX 5.2	IBM: 6227, 6228	PowerPath: 3.0.3 ³ , 3.0.4 ³
7	IBM AIX: 4.3.2, 4.3.3	EMC CKIT-E70-AIX ²	PowerPath: 2.0.2, 2.1.0, 2.1.3
8	IBM AIX: 5.1, 5.2	IBM 6239	PowerPath 3.0.4 ³

1. Fibre Channel device driver distributed and supported by Bull.

2. No longer available

3. For customers attached to Symmetrix 8000 series arrays running 5567 or 5568 code and have applied Symmetrix microcode fix 16710 will also need to apply Symmetrix microcode fix 19491. It is only available by special request through Customer Service. If customers haven't applied 16710, then they do not need 19491.

Microsoft Windows 2000

Microsoft Windows 2000			
No.	Operating System	Host Bus Adapter	Application Software
1	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E , LP7000E-EMC, LP8000-EMC ⁶ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982) , D8602A (Agilent HHBA-5101B) ^{1, 5} , D8602B (Agilent HHBA-5101C) ^{1, 4} , DS-KGPSA-CA (LP8000) , DS-KGPSA-CB (LP8000) , DS-KGPSA-CY (LP8000) , Dual-port mezzanine controller card, FCA2101 (LP952) , FCA2214 (QLA2340) , FCA2214DC (QLA2342) , FCA2354 (LP9002) , FCA2355 (LP9002DC) , FCA2384 (LP9802) , FCA2404 (LP9802) , FCA2404DC (LP9802DC) , FCA2408 (LP982) ; IBM: 00N6881 (QLA2200) ³ , 24P0960(QLA2340) ⁷ , HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062¹¹ , HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080^{9, 10} ; NEC: N8103-200, N8190-105¹², N8503-200, N8803-031 (QLA2310F) ; QLLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	PowerPath: 3.0.0 ² , 3.0.2 ² , 3.0.5 ⁸
2	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E , LP7000E-EMC, LP8000-EMC ⁶ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982) , D8602A (Agilent HHBA-5101B) ^{1, 5} , D8602B (Agilent HHBA-5101C) ^{1, 4} , DS-KGPSA-CA (LP8000) , DS-KGPSA-CB (LP8000) , DS-KGPSA-CY (LP8000) , FCA2101 (LP952) , FCA2214 (QLA2340) , FCA2214DC (QLA2342) , FCA2354 (LP9002) , FCA2355 (LP9002DC) , FCA2384 (LP9802) , FCA2404 (LP9802) , FCA2404DC (LP9802DC) , FCA2408 (LP982) ; IBM: 00N6881 (QLA2200) ³ , 24P0960(QLA2340) ⁷ , HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062¹¹ , HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080^{9, 10} ; NEC: N8103-200, N8190-105¹², N8503-200, N8803-031 (QLA2310F) ; QLLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	PowerPath: 2.0.4, 2.1.0, 2.1.1
3	Microsoft Windows 2000 Datacenter SP4 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E , LP7000E-EMC, LP8000-EMC ⁶ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982) , D8602A (Agilent HHBA-5101B) ^{1, 5} , D8602B (Agilent HHBA-5101C) ^{1, 4} , DS-KGPSA-CA (LP8000) , DS-KGPSA-CB (LP8000) , DS-KGPSA-CY (LP8000) , FCA2101 (LP952) , FCA2214 (QLA2340) , FCA2214DC (QLA2342) , FCA2354 (LP9002) , FCA2355 (LP9002DC) , FCA2384 (LP9802) , FCA2404 (LP9802) , FCA2404DC (LP9802DC) , FCA2408 (LP982) ; IBM: 00N6881 (QLA2200) ³ , 24P0960(QLA2340) ⁷ ; NEC: N8103-200, N8190-105¹², N8503-200, N8803-031 (QLA2310F) ; QLLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2204F, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	PowerPath: 2.0.4, 2.1.0, 2.1.1, 3.0.0 ² , 3.0.2 ² , 3.0.5 ⁸
4	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E , LP7000E-EMC, LP8000-EMC ⁶ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982) , D8602A (Agilent HHBA-5101B) ^{1, 5} , D8602B (Agilent HHBA-5101C) ^{1, 4} , DS-KGPSA-CA (LP8000) , DS-KGPSA-CB (LP8000) , DS-KGPSA-CY (LP8000) , FCA2101 (LP952) , FCA2214 (QLA2340) , FCA2214DC (QLA2342) , FCA2354 (LP9002) , FCA2355 (LP9002DC) , FCA2384 (LP9802) , FCA2404 (LP9802) , FCA2404DC (LP9802DC) , FCA2408 (LP982) ; IBM: 00N6881 (QLA2200) ³ , 24P0960(QLA2340) ⁷ ; NEC: N8103-200, N8190-105¹², N8503-200, N8803-031 (QLA2310F) ; QLLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	PowerPath: 2.0.4, 2.1.0, 2.1.1, 3.0.0 ² , 3.0.2 ² , 3.0.5 ⁸
5	Microsoft Windows 2000: Advanced Server SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E , LP7000E-EMC, LP8000-EMC ⁶ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982) , D8602A (Agilent HHBA-5101B) ^{1, 5} , D8602B (Agilent HHBA-5101C) ^{1, 4} , DS-KGPSA-CA (LP8000) , DS-KGPSA-CB (LP8000) , DS-KGPSA-CY (LP8000) , Dual-port mezzanine controller card, FCA2101 (LP952) , FCA2214 (QLA2340) , FCA2214DC (QLA2342) , FCA2354 (LP9002) , FCA2355 (LP9002DC) , FCA2384 (LP9802) , FCA2404 (LP9802) , FCA2404DC (LP9802DC) , FCA2408 (LP982) ; IBM: 00N6881 (QLA2200) ³ , 24P0960(QLA2340) ⁷ , HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062¹¹ , HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080^{9, 10} ; NEC: N8103-200, N8190-105¹², N8503-200, N8803-031 (QLA2310F) ; QLLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2204F, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	PowerPath: 3.0.0 ² , 3.0.2 ² , 3.0.5 ⁸

Microsoft Windows 2000			
No.	Operating System	Host Bus Adapter	Application Software
6	Microsoft Windows 2000: Advanced Server SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E , LP7000E-EMC, LP8000-EMC ⁶ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982) , D8602A (Agilent HHBA-5101B) ^{1, 5} , D8602B (Agilent HHBA-5101C) ^{1, 4} , DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982) ; IBM: 00N6881 (QLA2200) ³ , 24P0960(QLA2340) ⁷ , HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062¹¹, HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080^{9, 10} ; NEC: N8103-200, N8190-105¹², N8503-200, N8803-031 (QLA2310F) ; QLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2204F, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	PowerPath: 2.0.4, 2.1.0, 2.1.1

- EMC recommends that HBAs of different vendors not be used in the same host server.
- ATF/CDE and PowerPath cannot co-exist in the same server.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
- (HHBA-5101BK-01)
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- This HBA is equivalent to the qLogic QLA2340.
- Stratus ftServer OS release 2.1 or greater required for Stratus ftServers.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
- EMC does not support the Emulex equivalent of N8190-105. Check with NEC on where to download the latest supported firmware and boot BIOS for this adapter.

Microsoft Windows 2003

Microsoft Windows 2003			
No.	Operating System	Host Bus Adapter	Application Software
1	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E , LP8000-EMC ² , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000) , Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982) ; IBM: 24P0960(QLA2340) ⁵ , HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062⁸, HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080^{6, 7} ; NEC: N8190-105⁹, N8803-031 (QLA2310F) ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1)	PowerPath 3.0.5 ^{3, 4}

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Stratus ftServer OS release 2.1 or greater required for Stratus ftServers.
- PowerPath is currently supported only with QLogic SCSI Port miniport drivers and the Emulex full port driver.
- This HBA is equivalent to the qLogic QLA2340.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
- EMC does not support the Emulex equivalent of N8190-105. Check with NEC on where to download the latest supported firmware and boot BIOS for this adapter.

Microsoft Windows NT

Microsoft Windows NT			
No.	Operating System	Host Bus Adapter	Application Software
1	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP7000E-EMC, LP8000-EMC ² , LP850-EMC, LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: 176479-B21, A5246A (Agilent HHBA-5000A) ¹ , D8602A (Agilent HHBA-5101B) ^{1, 3} , D8602B (Agilent HHBA-5101C) ^{1, 4} , DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2404 (LP9802) ; IBM: 00N6881 (QLA2200) ⁵ , 24P0960(QLA2340) ⁶ ; QLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), PCI 1100-FC (QLA2100), PCI 1120-FC (QLA2100-EMC, QLA2100F)	PowerPath: 2.0.2, 2.1.0, 2.1.1, 3.0.0, 3.0.1, 3.0.5

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- (HHBA-5101BK-01)
- The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- This HBA is equivalent to the qLogic QLA2340.

Novell Netware

Novell Netware			
No.	Operating System	Host Bus Adapter	Application Software
1	Novell Netware: 5.00 SP6A ^{1, 2} , 5.10 SP2A ² , 5.10 SP5 ² , 5.10 SP6	QLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP	PowerPath: 2.1.0, 2.1.1
2	Novell Netware: 5.00 SP6A ^{1, 2} , 5.10 SP2A ² , 5.10 SP5 ² , 5.10 SP6, 6.0 SP1^{2, 3}, 6.0 SP2^{2, 3}, 6.0 SP3³, 6.5^{3, 4}	QLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP	PowerPath 3.0.1

- Requires NWPA.NLM V.3.07A update from Novell website.
- Maximum number of NWFS volumes that can be mounted is 64.

- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.

Red Hat Linux

Red Hat Linux			
No.	Operating System	Host Bus Adapter	Application Software
1	Red Hat Linux 2.1 Advanced Server v2.4.9–e.24 ^{3, 4}	Emulex LP9002–E (LP9002L–E) ¹¹	PowerPath 3.0.3 b065 ^{5, 16}
2	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 3} , v2.4.9–E.12 ^{2, 3} , v2.4.9–E.16, v2.4.9–e.24 ³ , v2.4.9–e.25 ^{3, 4} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 3} , v2.4.9–e.16 ^{2, 3} , v2.4.9–e.24 ³ , v2.4.9–e.25 ^{3, 4}	QLogic QLA2342–E–SP	PowerPath 3.0.2 b069
3	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 3} , v2.4.9–E.12 ^{2, 3} , v2.4.9–E.16 ^{2, 3} , v2.4.9–E.9 ^{1, 2, 3} , v2.4.9–e.24 ³ , v2.4.9–e.25 ^{3, 4} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 3} , v2.4.9–e.16 ^{2, 3} , v2.4.9–e.24 ³ , v2.4.9–e.25 ^{3, 4}	QLogic: QLA2200F–EMC, QLA2310F–E–SP, QLA2340–E–SP	PowerPath 3.0.2 b069
4	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ^{3, 4} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ^{3, 4} , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ¹¹ . QLogic: QLA2310F–E–SP ^{7, 8, 9} , QLA2340–E–SP ^{7, 8} , QLA2342–E–SP ^{6, 7, 8, 9}	PowerPath 3.0.3 b065 ⁵
5	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ³ , v2.4.9–e.27	Emulex: LP9002DC–E ^{6, 9, 11, 12, 13, 14} , LP9802DC–E ^{9, 11, 12, 14} , LP982–E ^{6, 9, 12, 13, 14, 15}	PowerPath 3.0.3 b065
6	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ³ , v2.4.9–e.27 ³ ; Red Hat Linux 2.1 ES: v2.4.9–e.25 ³ , v2.4.9–e.27	Emulex LP9802–E ^{9, 11, 12, 13, 14}	PowerPath 3.0.3 b065
7	Red Hat Linux 2.1: Advanced Server v2.4.9–e.25 ^{3, 4} , ES v2.4.9–e.25 ^{3, 4}	QLogic QLA2200F–EMC ^{7, 9, 10}	PowerPath 3.0.3 b065 ⁵
8	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ³ , ES v2.4.9–e.27	Emulex: LP10000–E ^{6, 9, 11, 13, 14} , LP10000DC–E ^{6, 9, 11, 13, 14} , LP1050–E ^{6, 9, 11, 12, 13, 14} , LP1050DC–E ^{6, 9, 11, 12, 13, 14}	PowerPath 3.0.3 b065
9	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F–EMC ^{9, 10}	PowerPath 3.0.3 b065 ⁵

- This kernel is supported with PowerPath v3.0.2 via RPK only.
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- PowerPath Base is supported on the FC4500 and CX200 only.
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Requires QLogic driver v6.04.01 (included in 2.4.9–e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- Host must be offline for interfamily Symmetrix microcode upgrade.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- CLARiiON and Symmetrix can co–exist in the SAN with the same server.**

SuSE Linux

SuSE Linux			
No.	Operating System	Host Bus Adapter	Application Software
1	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Emulex: LP10000–E ^{3, 4, 5, 6} , LP10000DC–E ^{3, 4, 5, 6} , LP1050–E ^{3, 4, 5, 6, 10, 12} , LP1050DC–E ^{3, 4, 5, 6, 10, 12} , LP9002–E (LP9002L–E) ^{3, 4, 5, 6, 9} , LP9002DC–E ^{3, 4, 5, 6, 8} , LP9802–E ^{3, 4, 5, 6} , LP9802DC–E ^{3, 4, 5, 6, 8} , LP982–E ^{3, 4, 5, 6, 10, 11}	PowerPath 3.0.4 b012 ⁷

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- Single HBA zoning is required regardless of the switch being utilized.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- PowerPath 3.0.3 b065 needs to be installed with the RPM “--noscripts” option prior to installing PowerPath 3.0.4 b012.
- Use the boot option “acpi=oldboot” in SuSE SLES8 SMP configurations with the LP9802DC–E and LP9002DC–E adapters
- The LP9002–E now ships with the LP9002L–E low profile adapter.
- Host must be offline for interfamily Symmetrix microcode upgrade.**
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**

Sun Solaris

Sun Solaris			
No.	Operating System	Host Bus Adapter	Application Software
1	Sun Solaris 2.6	Emulex: LP8000–EMC ¹ , LP9002–E (LP9002L–E), LP9002S–E; JNI: FC–1063–EMC, FC64–1063–EMC, FCE–1063–E, FCE2–1063–E, FCI–1063–EMC; QLogic: QLA2200F–EMC, QLA2300F–E–SP	PowerPath: 2.0.3, 2.1.0, 2.1.2, 3.0.0, 3.0.2
2	Sun Solaris 2.6	Emulex: LP8000–EMC ¹ , LP9002–E (LP9002L–E), LP9002S–E; JNI: FC–1063–EMC, FC64–1063–EMC ⁴ , FCE–1063–E, FCE2–1063–E, FCI–1063–EMC; QLogic: QLA2200F–EMC, QLA2300F–E–SP	PowerPath: 3.0.3, 3.0.4
3	Sun Solaris 2.6	Emulex: LP8000–EMC ¹ , LP9002–E (LP9002L–E), LP9002S–E; JNI: FC–1063–EMC ⁴ , FC64–1063–EMC ⁴ , FCE–1063–E ⁴ , FCE2–1063–E ⁴ , FCI–1063–EMC ⁴ ; QLogic: QLA2200F–EMC, QLA2300F–E–SP	PowerPath 4.0.3 ³

Sun Solaris			
No.	Operating System	Host Bus Adapter	Application Software
4	Sun Solaris 2.6	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002S-E; JNI: FC-1063-EMC ⁴ , FCE-1063-E ⁴ , FCE2-1063-E ⁴ , FCI-1063-EMC ⁴ ; QLLogic: QLA2200F-EMC, QLA2300F-E-SP	PowerPath: 4.0.0 ^{2,3} , 4.0.1 ³ , 4.0.2 ³
5	Sun Solaris 2.6	JNI FC64-1063-EMC ⁴	PowerPath: 4.0.0, 4.0.1, 4.0.2
6	Sun Solaris 7	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9002S-E; JNI: FC-1063-EMC, FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCI-1063-EMC, FCX2-6562-E; QLLogic: QLA2200F-EMC, QLA2202FS-E, QLA2300F-E-SP, QLA2342-E-SP	PowerPath: 2.0.3, 2.1.0, 2.1.2, 3.0.0, 3.0.2
7	Sun Solaris 7	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9002S-E, LP9802-E; JNI: FC-1063-EMC, FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCI-1063-EMC, FCX2-6562-E; QLLogic: QLA2200F-EMC, QLA2202FS-E, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	PowerPath: 3.0.3, 3.0.4
8	Sun Solaris 7	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9002S-E, LP9802-E; JNI: FC-1063-EMC ⁴ , FC64-1063-EMC, FCE-1063-E ⁴ , FCE2-1063-E ⁴ , FCE2-1473-E, FCE2-6412-E, FCI-1063-EMC ⁴ , FCX2-6562-E; QLLogic: QLA2200F-EMC, QLA2202FS-E, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	PowerPath: 4.0.0 ^{2,3} , 4.0.1 ³ , 4.0.2 ³
9	Sun Solaris 7	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9002S-E, LP9802-E; JNI: FC-1063-EMC ⁴ , FC64-1063-EMC ⁴ , FCE-1063-E ⁴ , FCE2-1063-E ⁴ , FCE2-1473-E, FCE2-6412-E, FCI-1063-EMC ⁴ , FCX2-6562-E; QLLogic: QLA2200F-EMC, QLA2202FS-E, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	PowerPath 4.0.3 ³
10	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; JNI: FC-1063-EMC, FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCI-1063-EMC, FCX2-6562-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2202FS-E, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	PowerPath: 3.0.3, 3.0.4
11	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; JNI: FC-1063-EMC ⁴ , FC64-1063-EMC, FCE-1063-E ⁴ , FCE2-1063-E ⁴ , FCE2-1473-E, FCE2-6412-E, FCI-1063-EMC ⁴ , FCX2-6562-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2202FS-E, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	PowerPath: 4.0.0 ^{2,3} , 4.0.1 ³ , 4.0.2 ³
12	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; JNI: FC-1063-EMC ⁴ , FC64-1063-EMC ⁴ , FCE-1063-E ⁴ , FCE2-1063-E ⁴ , FCE2-1473-E, FCE2-6412-E, FCI-1063-EMC ⁴ , FCX2-6562-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2202FS-E, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Sun: X6767A (SG-XPCI1FC-QF2), X6768A (SG-XPCI2FC-QF2)	PowerPath 4.0.3 ³
13	Sun Solaris 8	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E; JNI: FC-1063-EMC, FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCI-1063-EMC, FCX2-6562-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2202FS-E, QLA2300F-E-SP, QLA2342-E-SP	PowerPath: 2.0.3, 2.1.0, 2.1.2, 3.0.0, 3.0.2
14	Sun Solaris 9	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2202FS-E, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	PowerPath: 3.0.3, 3.0.4
15	Sun Solaris 9	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; JNI: FCE-1063-E ⁴ , FCE2-1063-E ⁴ , FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2202FS-E, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP	PowerPath: 4.0.0 ^{2,3} , 4.0.1 ³ , 4.0.2 ³
16	Sun Solaris 9	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; JNI: FCE-1063-E ⁴ , FCE2-1063-E ⁴ , FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2202FS-E, QLA2300F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Sun: X6767A (SG-XPCI1FC-QF2), X6768A (SG-XPCI2FC-QF2)	PowerPath 4.0.3 ³

1. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
2. Pending final general availability dates.
3. The Volume Manager component of PowerPath 4.x is not currently supported with Sun SunCluster products.
4. PowerPath Volume Manager not currently supported with this HBA model.

Fibre Bit Settings

5568 Settings

There are no specific director bit settings required for iSCSI except the VCM bit with the following condition: VCM bit is required to enable Volume Logix functionality and for Challenge Handshake Authentication Protocol (CHAP).

No.	Operating Environment	Bits to Set	Comments
1	AS/400 2105 External Emulation, AS/400 2105 External Emulation ³¹	Avoid Reset Broadcast (ARB), Enable Volume Set Addressing (V), Unique World Wide Name (UWN)	
2	Base Settings: 5568 FC-AL	Enable Auto Negotiation (EAN) ^{3,4} , Unique World Wide Name (UWN)	

No.	Operating Environment	Bits to Set	Comments
3	Base Settings: 5568 FC-SW	Enable Auto Negotiation (EAN) ³ , Enable Point-to-point (PP), Unique World Wide Name (UWN)	
4	Base Settings: 5568 Heterogeneous FA Port Sharing	Common Serial Number (C) ⁷ , Enable Point-to-point (PP), SCSI 3 (SC3), Unique World Wide Name (UWN)	See ^{5, 6}
5	Bull Escala / AIX	Disable Queue Reset on Unit Attention (D) ¹²	
6	Data General AViiON NUMA 25000	Disable Queue Reset on Unit Attention (D)	
7	EMC Celerra	Avoid Reset Broadcast (ARB)	
8	FSC BS2000 / OSD servers	Common Serial Number (C), Disable Queue Reset on Unit Attention (D), Enable Point-to-point (PP), Unique World Wide Name (UWN)	
9	FSC PRIMEPOWER (GP7000F) Series Host, FSC PRIMEPOWER (GP7000F) Series Hosts⁴⁵	Common Serial Number (C) ¹⁰ , Disable Queue Reset on Unit Attention (D) ^{10, 11, 12}	
10	FSC Reliant	Disable Queue Reset on Unit Attention (D), Enable Siemens Hosts Rm/400 - Rm/600 (S), Environment Reports to Host (E)	
11	Fujitsu Services (ICL) Open VME, Fujitsu Services (ICL) Open VME ¹³	Common Serial Number (C)	
12	HP / DEC Alpha Server (Tru64 UNIX 5.x) ^{43, 44}	Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)	
13	HP / DEC Alpha Server (Tru64 UNIX V5.x), HP / DEC Alpha Server (Tru64 UNIX V5.x) ¹ , HP / DEC Alpha Server (Tru64 UNIX V5.x)² , HP / DEC Alpha Server (Tru64 UNIX V5.x) ^{43, 44}	Open VMS (OVMS)	
14	HP / DEC OpenVMS, HP / DEC OpenVMS ²⁹ , HP / DEC OpenVMS ³⁰ , HP / DEC OpenVMS ³³ , HP / DEC OpenVMS ³⁴	Open VMS (OVMS), SCSI 3 (SC3)	
15	HP-UX, HP-UX ¹⁵ , HP-UX ^{15, 16} , HP-UX ^{15, 17} , HP-UX ^{15, 18} , HP-UX ^{15, 19}	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁴ , Common Serial Number (C), Enable Volume Set Addressing (V)	
16	IBM AIX with EMC Fibre Channel Interface	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁴ , Disable Queue Reset on Unit Attention (D) ^{11, 12}	
17	IBM AIX with FC 6227, 6228, 6239	Common Serial Number (C) ⁷ , Disable Queue Reset on Unit Attention (D) ^{11, 12} , SCSI 3 (SC3)	
18	Linux	Common Serial Number (C)⁷, Enable Fibrepath on this Port (VCM)⁴¹, Enable Hard Addressing (H), Tagged Command (T), Unique World Wide Name (UWN)	
19	Linux ^{39, 40} , Linux ^{40, 42}	Common Serial Number (C) ⁷ , Enable Auto Negotiation (EAN) ³ , Enable Fibrepath on this Port (VCM) ⁴¹ , Enable Point-to-point (PP), Unique World Wide Name (UWN)	
20	NCR MPRAS / Windows NT, NCR MPRAS / Windows NT ²⁰ , NCR MPRAS / Windows NT ³²	Disable Queue Reset on Unit Attention (D) ²⁴ , Environment Reports to Host (E) ²³	
21	Novell Netware, Novell Netware ²⁵ , Novell Netware ^{25, 26} , Novell Netware ²⁶ , Novell Netware ^{26, 28}	Disable Queue Reset on Unit Attention (D) ²⁷	
22	Sequent Numa-Q	Common Serial Number (C), Environment Reports to Host (E), Sequent Host (SEQ)	
23	Sequent NUMA-Q (DYNIX/ptx 4.4.x & 4.5.x)	Common Serial Number (C), Enable Volume Set Addressing (V), Environment Reports to Host (E), Sequent Host (SEQ)	
24	Sun	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁴ , Common Serial Number (C) ^{10, 35, 36, 37} , Disable Queue Reset on Unit Attention (D) ^{10, 11, 12, 36, 37, 38} , Enable Sunapee (SCL) ³⁷	
25	VERITAS Cluster Server (VCS), EMC GeoSpan for VCS	Common Serial Number (C) ⁹ , Disable Queue Reset on Unit Attention (D) ⁸	
26	Windows NT / 2000, Windows NT / 2000 ²⁰	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁴ , Common Serial Number (C) ⁷ , Disable Queue Reset on Unit Attention (D) ^{11, 12} , Enable Auto Negotiation (EAN), Enable Fibrepath on this Port (VCM) ²¹ , Enable Volume Set Addressing (V) ²² , Unique World Wide Name (UWN)	

1. Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).

2. **Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).**

3. EAN bit set for 2 Gb FA support.

4. Direct connect only, no hubs.

5. These settings refer to the configuration in the Switch section (see FA Port Sharing column) Note: operating environments that have required director bit settings other than these are not supported.

6. Note: With the introduction of EMC Solution Enabler 5.0, FA ports need not use the 'Heterogeneous FA Port Sharing' flags. Instead, users can use the CLI function 'Heterogeneous Host Configuration' to set the director flags for each initiator.

7. C Bit required for VERITAS VxVM DMP functionality.

8. D Bit is not required for VCS 2.0 or later.

9. C Bit with Veritas DMP.

10. C + D Bits with Veritas DMP.

11. Sites with PowerPath 2.0 or later already running with the D-bit enabled do not require the D-bit to be disabled.

12. D Bit required with PowerPath 1.5.x or earlier.

13. Requires OV/K/0041.3

14. A4S bit when sharing AS/400 drives on this port (direct connect only).

15. For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lv01 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.

16. Requires HP-UX 11.0 Extension Pack release May 1999 or equivalent.

17. Symmetrix microcode supported: 5266.40.28 or higher, 5566.41.28 or higher, 5267.27.19 or higher, 5567.34.19 or higher.

18. Requires HP-UX 11.0 General Release patch bundle XSWG1100 B.11.00.47.05 released November 1999 or equivalent.

19. Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher.
20. EMC recommends that HBAs of different vendors not be used in the same host server.
21. VCM for VCM configurations only
22. V Bit for HP/Agilent controllers only
23. E Bit: if Windows NT OS is used with TNT, set the FBA Environmental Sense key to 4, else set it to 6.
24. D Bit for multiple vendor platforms: if only NCR hosts, set IMPL flag A010.
25. **NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
26. Maximum number of NWFS volumes that can be mounted is 64.
27. D Bit with Cluster.
28. Requires NWPA.NLM V.3.07A update from Novell website.
29. Open VMS 7.1-2 requires console firmware 5.6 or later and patch VMS712_SCSI-V0300.
30. OpenVMS 7.2-1, 7.2-1H1 FC-SW requires console firmware 5.6 or later and patch VMS721_fibre_SCSI-V0400. Available from <http://ftp1.support.compaq.com/public/>
31. Subject to IBMs limitations per host model.
32. Limited support available for MPARS 3.01.
33. Open VMS 7.3 FC-SW requires console firmware 5.6 or later and patch VMS73_update-V0100 or patch VMS73_fibre_SCSI-V0200.
34. Open VMS 7.2-2 FC-SW requires console firmware 5.6 or later and patch VMS722_fibre_SCSI-V0100.
35. C Bit with Sun Cluster 3.0.
36. Enabling the D-bit for DMP is recommended but not required for VxVM 3.1 and higher. The D-bit is not required for VxVM 3.1 and higher.
37. C + D + SCL Bits with SUN Cluster 1.x, 2.x.
38. Note: In a heterogeneous FA port sharing environment using VxVM 3.1 or higher, D-bit should be disabled.
39. This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
40. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPO.
41. VCM for Volume Logix configurations only
42. Supported with QLogic driver v6.05.00.
43. V5.x:255 LUNs/Symmetrix Fibre director port (LUNs 001-0FE valid) Symmetrix 8000 Series only, OVMS director flag required (minimum 5265.48.30 or 5566.26.19), LUN 000 must be mapped to gatekeeper device, LUN 000 is not usable by Tru64 host.
44. **Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).**
45. **FSC requires that all patches for Solaris 9 be obtained through FSC in the form of a Solaris 9 PTF patch CD. The current patch CD is Solaris 9 PTF R03111.**

5x67 Settings

There are no specific director bit settings required for iSCSI except the VCM bit with the following condition: VCM bit is required to enable Volume Logix functionality and for Challenge Handshake Authentication Protocol (CHAP).

No.	Operating Environment	Bits to Set
1	Base Settings: 5x66/67 Heterogeneous FA Port Sharing	Common Serial Number (C) ⁵ , Enable Fibrepath on this Port (VCM), Enable Point-to-point (PP), SCSI 3 (SC3), Tagged Command (T), Unique World Wide Name (UWN)
2	Bull Escala / AIX FC-AL	Disable Queue Reset on Unit Attention (D) ^{10, 11} , Enable Hard Addressing (H), Tagged Command (T), Unique World Wide Name (UWN)
3	Bull Escala / AIX FC-SW	Common Serial Number (C), Disable Queue Reset on Unit Attention (D) ^{10, 11} , Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
4	Caldera (SCO) UnixWare 7.1.x	Common Serial Number (C) ³⁷ , Enable Fibrepath on this Port (VCM) ⁸ , Enable Hard Addressing (H), Tagged Command (T), Unique World Wide Name (UWN)
5	Data General AViiON NUMA 25000	Disable Queue Reset on Unit Attention (D), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
6	EMC Celerra	Avoid Reset Broadcast (ARB), Enable Fibrepath on this Port (VCM) ⁸ , Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
7	FSC BS2000 / OSD servers	Common Serial Number (C), Disable Queue Reset on Unit Attention (D), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
8	FSC PRIMEPOWER (GP7000F) Series Host, FSC PRIMEPOWER (GP7000F) Series Host⁴²	Common Serial Number (C) ⁹ , Disable Queue Reset on Unit Attention (D) ^{9, 10, 11} , Enable Hard Addressing (H), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
9	FSC Reliant UNIX RM Series	Command Reordering (R), Disable Queue Reset on Unit Attention (D), Enable Hard Addressing (H), Enable Point-to-point (PP), Enable Siemens Hosts Rm/400 - Rm/600 (S), Environment Reports to Host (E), Tagged Command (T), Unique World Wide Name (UWN)

No.	Operating Environment	Bits to Set
10	Fujitsu Services (ICL) Open VME, Fujitsu Services (ICL) Open VME ¹³	Common Serial Number (C), Enable Hard Addressing (H) ¹² , Tagged Command (T), Unique World Wide Name (UWN)
11	HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x), HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x) ⁸ , HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x) ⁴	Enable Point-to-point (PP), Open VMS (requires 5266.23.19 or 5566.26.19) (OVMS), Tagged Command (T), Unique World Wide Name (UWN)
12	HP / DEC Alpha Server (Tru64 UNIX 5.x) ¹ , HP / DEC Alpha Server (Tru64 UNIX 5.x) ² , HP / DEC Alpha Server (Tru64 UNIX 5.x) ^{40, 41} , SGI Origin	Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
13	HP / DEC OpenVMS, HP / DEC OpenVMS ³² , HP / DEC OpenVMS ³³ , HP / DEC OpenVMS ³⁵ , HP / DEC OpenVMS ³⁶	Enable Point-to-point (PP), Open VMS (requires 5266.23.19 or 5566.26.19) (OVMS), SCSI 3 (SC3), Tagged Command (T), Unique World Wide Name (UWN)
14	HP-UX FC-AL, HP-UX FC-AL ¹⁷ , HP-UX FC-AL ⁴³	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁶ , Common Serial Number (C) ⁶ , Enable Hard Addressing (H), Enable Volume Set Addressing (V), Global Third Party Logout (TP), Port as Disk Array (A), Tagged Command (T), Unique World Wide Name (UWN)
15	HP-UX FC-SW, HP-UX FC-SW ¹⁷ , HP-UX FC-SW ⁴³	Common Serial Number (C), Enable Point-to-point (PP), Enable Volume Set Addressing (V), Global Third Party Logout (TP), Port as Disk Array (A), Tagged Command (T), Unique World Wide Name (UWN)
16	IBM AIX with EMC Fibre Channel Interface	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁶ , Disable Queue Reset on Unit Attention (D) ^{10, 11} , Enable Hard Addressing (H), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
17	IBM AIX with FC 6227, 6228, 6239 FC-AL	Disable Queue Reset on Unit Attention (D) ^{10, 11} , Enable Hard Addressing (H), SCSI 3 (SC3), Tagged Command (T), Unique World Wide Name (UWN)
18	IBM AIX with FC 6227, 6228, 6239 FC-SW	Disable Queue Reset on Unit Attention (D) ^{10, 11} , Enable Point-to-point (PP), SCSI 3 (SC3), Tagged Command (T), Unique World Wide Name (UWN)
19	IBM NUMA-Q	Class Ii Service (C2S), Common Serial Number (C), Enable Disk Array Inq Response (A), Enable Hard Addressing (H), Enable Point-to-point (PP), Enable Volume Set Addressing (V), Environment Reports to Host (E), FA Loop ID (FA Loop ID), Sequent Host (SEQ), Tagged Command (T), Unique World Wide Name (UWN)
20	Linux	Enable Auto Negotiation (EAN) ⁴⁴ , Enable Point-to-point (PP), Unique World Wide Name (UWN)
21	Linux ^{14, 15}	Common Serial Number (C) ⁵ , Enable Fibrepath on this Port (VCM) ⁸ , Enable Hard Addressing (H), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
22	NCR MPRAS, Windows NT, NCR MPRAS, Windows NT ²² , NCR MPRAS, Windows NT ³⁴	Disable Queue Reset on Unit Attention (D) ²⁵ , Enable Hard Addressing (H), Environment Reports to Host (E) ²⁶ , Tagged Command (T), Unique World Wide Name (UWN)

No.	Operating Environment	Bits to Set
23	Novell Netware, Novell Netware ²⁷ , Novell Netware ^{27, 28} , Novell Netware ²⁸ , Novell Netware ^{28, 31}	Disable Queue Reset on Unit Attention (D) ²⁹ Disable Queue Reset on Unit Attention (D) ³⁰ Enable Hard Addressing (H), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
24	SCO 7.1.x	Common Serial Number (C) ³⁷ , Enable Fibrepath on this Port (VCM) ⁸ Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
25	Sequent NUMA-Q (DYNIX/ptx 4.4.x & 4.5.x), Sequent NUMA-Q (DYNIX/ptx 4.4.x & 4.5.x) ¹⁷ , Sequent NUMA-Q (DYNIX/ptx 4.4.x & 4.5.x) ^{17, 18} , Sequent NUMA-Q (DYNIX/ptx 4.4.x & 4.5.x) ^{17, 19} , Sequent NUMA-Q (DYNIX/ptx 4.4.x & 4.5.x) ^{17, 20} , Sequent NUMA-Q (DYNIX/ptx 4.4.x & 4.5.x) ^{17, 21}	Common Serial Number (C), Enable Disk Array Inq Response (A), Enable Point-to-point (PP), Enable Volume Set Addressing (V), Global Third Party Logout (TP), Tagged Command (T), Unique World Wide Name (UWN)
26	Sequent NUMA-Q (DYNIX/ptx 4.5.x direct connect), Sequent NUMA-Q (DYNIX/ptx 4.5.x direct connect) ¹⁷ , Sequent NUMA-Q (DYNIX/ptx 4.5.x direct connect) ^{17, 18} , Sequent NUMA-Q (DYNIX/ptx 4.5.x direct connect) ^{17, 19} , Sequent NUMA-Q (DYNIX/ptx 4.5.x direct connect) ^{17, 20} , Sequent NUMA-Q (DYNIX/ptx 4.5.x direct connect) ^{17, 21}	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁶ Common Serial Number (C), Enable Disk Array Inq Response (A), Enable Hard Addressing (H), Enable Volume Set Addressing (V), Global Third Party Logout (TP), Tagged Command (T), Unique World Wide Name (UWN)
27	SGI Origin	Enable Hard Addressing (H), Tagged Command (T), Unique World Wide Name (UWN)
28	Sun	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁶ Common Serial Number (C) ^{9, 38, 39} Disable Queue Reset on Unit Attention (D) ^{9, 10, 11, 38, 39} Enable Hard Addressing (H), Enable Point-to-point (PP), Enable Sunapee (SCL) ³⁹ , Tagged Command (T), Unique World Wide Name (UWN)
29	VERITAS Cluster Server (VCS), EMC GeoSpan for VCS	Common Serial Number (C) ⁶ , Disable Queue Reset on Unit Attention (D) ⁷ , Enable Hard Addressing (H), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
30	Windows NT / 2000, Windows NT / 2000 ²²	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁶ Common Serial Number (C) ⁵ , Disable Queue Reset on Unit Attention (D) ^{10, 11} , Enable Disk Array Inq Response (A) ²⁴ , Enable Fibrepath on this Port (VCM) ²³ , Enable Hard Addressing (H), Enable Volume Set Addressing (V) ²⁴ , Tagged Command (T), Unique World Wide Name (UWN)

1. Tru64 V4.0F BL13 Patch Kit 2 may introduce problems with KZPBA adapters. Tru64 V4.0F latest qualified Patch Kit 8 (DUV40FB22AS0008-20030730).
2. Tru64 V4.0G latest qualified Patch Kit 4 (T64V40GB22AS0004-20030731).
3. Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).
4. Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).
5. C Bit required for VERITAS VxVM DMP functionality.
6. C Bit with Veritas DMP.
7. D Bit is not required for VCS 2.0 or later.
8. VCM for Volume Logix configurations only
9. C + D Bits with Veritas DMP.
10. Sites with PowerPath 2.0 or later already running with the D-bit enabled do not require the D-bit to be disabled.
11. D Bit required with PowerPath 1.5.x or earlier.
12. H Bit for FC-AL topology
13. Requires OV/K/0041.3
14. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
15. Supported with QLogic driver v6.05.00.
16. A4S bit when sharing AS/400 drives on this port (direct connect only).
17. For HP-UX systems only:LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
18. Requires HP-UX 11.0 Extension Pack release May 1999 or equivalent.
19. Symmetrix microcode supported:5266.40.28 or higher, 5566.41.28 or higher, 5267.27.19 or higher, 5567.34.19 or higher.
20. Requires HP-UX 11.0 General Release patch bundle XSWG1100 B.11.00.47.05 released November 1999 or equivalent.
21. Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher.
22. EMC recommends that HBAs of different vendors not be used in the same host server.
23. VCM for VCM configurations only
24. Set bit for HP (e.g.: D8602A, D8602B / Agilent (e.g.: HHBA-5101B, HHBA-5101C) controllers only.
25. D Bit for multiple vendor platforms; if only NCR hosts, set IMPL flag A010.
26. E Bit: if Windows NT OS is used with TNT, set the FBA Environmental Sense key to 4, else set it to 6.

27. NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
28. Maximum number of NWFS volumes that can be mounted is 64.
29. D Bit with Cluster
30. E Bit with MPE/ix 5.5, 6.0, 6.5, 6.5.02.
31. Requires NWPA.NLM V.3.07A update from Novell website.
32. Open VMS 7.1-2 requires console firmware 5.6 or later and patch VMS712_SCSI-V0300.
33. OpenVMS 7.2-1, 7.2-1H1 FC-SW requires console firmware 5.6 or later and patch VMS721_fibre_SCSI-V0400. Available from <http://ftp1.support.compaq.com/public/>
34. Limited support available for MPARS 3.01.
35. Open VMS 7.3 FC-SW requires console firmware 5.6 or later and patch VMS73_update-V0100 or patch VMS73_fibre_SCSI-V0200.
36. Open VMS 7.2-2 FC-SW requires console firmware 5.6 or later and patch VMS722_fibre_SCSI-V0100.
37. C Bit with Multi-path.
38. Enabling the D-bit for DMP is recommended but not required for VxVM 3.1 and higher. The D-bit is not required for VxVM 3.1 and higher.
39. C + D + SCL Bits with SUN Cluster 1.x, 2.x.
40. V5.x:255 LUNs/Symmetrix Fibre director port (LUNs 001-0FE valid) Symmetrix 8000 Series only, OVMS director flag required (minimum 5265.48.30 or 5566.26.19), LUN 000 must be mapped to gatekeeper device, LUN 000 is not usable by Tru64 host.
41. **Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).**
42. **FSC requires that all patches for Solaris 9 be obtained through FSC in the form of a Solaris 9 PTF patch CD. The current patch CD is Solaris 9 PTF R03111.**
43. **Minimum microcode revision level 5670.23.25. 5568 and 5669 are on a RPQ basis at this time.**
44. EAN bit set for 2 Gb FA support.

5x66 Settings

There are no specific director bit settings required for iSCSI except the VCM bit with the following condition: VCM bit is required to enable Volume Logix functionality and for Challenge Handshake Authentication Protocol (CHAP).

No.	Operating Environment	Bits to Set
1	Base Settings: 5x66/67 Heterogeneous FA Port Sharing	Common Serial Number (C) ¹ , Enable Fibrepath on this Port (VCM), Enable Point-to-point (PP), SCSI 3 (SC3), Tagged Command (T), Unique World Wide Name (UWN)
2	Bull Escala / AIX FC-AL	Disable Queue Reset on Unit Attention (D) ^{7,9} , Enable Hard Addressing (H), Tagged Command (T), Unique World Wide Name (UWN)
3	Bull Escala / AIX FC-SW	Common Serial Number (C), Disable Queue Reset on Unit Attention (D) ^{7,9} , Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
4	Caldera (SCO) UnixWare 7.1.x	Common Serial Number (C) ³⁵ , Enable Fibrepath on this Port (VCM) ⁶ , Enable Hard Addressing (H), Tagged Command (T), Unique World Wide Name (UWN)
5	Data General AViiON NUMA 25000	Disable Queue Reset on Unit Attention (D), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
6	EMC Celerra	Avoid Reset Broadcast (ARB), Enable Fibrepath on this Port (VCM) ⁶ , Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
7	FSC PRIMEPOWER (GP7000F) Series Host, FSC PRIMEPOWER (GP7000F) Series Host ⁴⁰	Common Serial Number (C) ⁸ , Disable Queue Reset on Unit Attention (D) ^{7,8,9} , Enable Hard Addressing (H), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
8	FSC Reliant UNIX RM Series	Command Reordering (R), Disable Queue Reset on Unit Attention (D), Enable Hard Addressing (H), Enable Point-to-point (PP), Enable Siemens Hosts Rm/400 - Rm/600 (S), Environment Reports to Host (E), Tagged Command (T), Unique World Wide Name (UWN)
9	Fujitsu Services (ICL) Open VME, Fujitsu Services (ICL) Open VME ¹¹	Common Serial Number (C), Enable Hard Addressing (H) ¹⁰ , Tagged Command (T), Unique World Wide Name (UWN)
10	HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x), HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x) ¹⁴ , HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x) ¹⁵	Enable Point-to-point (PP), Open VMS (requires 5266.23.19 or 5566.26.19) (OVMS), Tagged Command (T), Unique World Wide Name (UWN)
11	HP / DEC Alpha Server (Tru64 UNIX 5.x) ² , HP / DEC Alpha Server (Tru64 UNIX 5.x) ³ , HP / DEC Alpha Server (Tru64 UNIX 5.x) ^{38,39} , SGI Origin	Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
12	HP / DEC OpenVMS, HP / DEC OpenVMS ³⁰ , HP / DEC OpenVMS ³¹ , HP / DEC OpenVMS ³³ , HP / DEC OpenVMS ³⁴	Enable Point-to-point (PP), Open VMS (requires 5266.23.19 or 5566.26.19) (OVMS), SCSI 3 (SC3), Tagged Command (T), Unique World Wide Name (UWN)
13	HP-UX FC-AL, HP-UX FC-AL ¹⁷ , HP-UX FC-AL ⁴¹	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁶ , Common Serial Number (C) ⁴ , Enable Hard Addressing (H), Enable Volume Set Addressing (V), Global Third Party Logout (TP), Port as Disk Array (A), Tagged Command (T), Unique World Wide Name (UWN)

No.	Operating Environment	Bits to Set
14	HP-UX FC-SW, HP-UX FC-SW ¹⁷ , HP-UX FC-SW ⁴¹	Common Serial Number (C), Enable Point-to-point (PP), Enable Volume Set Addressing (V), Global Third Party Logout (TP), Port as Disk Array (A), Tagged Command (T), Unique World Wide Name (UWN)
15	IBM AIX with EMC Fibre Channel Interface	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁶ , Disable Queue Reset on Unit Attention (D) ^{7, 9} , Enable Hard Addressing (H), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
16	IBM AIX with FC 6227, 6228, 6239 FC-AL	Disable Queue Reset on Unit Attention (D) ^{7, 9} , Enable Hard Addressing (H), SCSI 3 (SC3), Tagged Command (T), Unique World Wide Name (UWN)
17	IBM AIX with FC 6227, 6228, 6239 FC-SW	Disable Queue Reset on Unit Attention (D) ^{7, 9} , Enable Point-to-point (PP), SCSI 3 (SC3), Tagged Command (T), Unique World Wide Name (UWN)
18	IBM NUMA-Q	Class II Service (C2S), Common Serial Number (C), Enable Disk Array Inq Response (A), Enable Hard Addressing (H), Enable Point-to-point (PP), Enable Volume Set Addressing (V), Environment Reports to Host (E), FA Loop ID (FA Loop ID), Sequent Host (SEQ), Tagged Command (T), Unique World Wide Name (UWN)
19	Linux	Common Serial Number (C) ¹ , Enable Auto Negotiation (EAN) ⁴² , Enable Fibrepath on this Port (VCM) ⁶ , Enable Point-to-point (PP), Unique World Wide Name (UWN)
20	Linux ^{12, 13}	Common Serial Number (C) ¹ , Enable Fibrepath on this Port (VCM) ⁶ , Enable Hard Addressing (H), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
21	NCR MPRAS, Windows NT, NCR MPRAS, Windows NT ²⁰ , NCR MPRAS, Windows NT ³²	Disable Queue Reset on Unit Attention (D) ²⁴ , Enable Hard Addressing (H), Environment Reports to Host (E) ²³ , Tagged Command (T), Unique World Wide Name (UWN)
22	Novell Netware, Novell Netware ²⁵ , Novell Netware ^{25, 26} , Novell Netware ²⁶ , Novell Netware ^{26, 29}	Disable Queue Reset on Unit Attention (D) ²⁷ , Disable Queue Reset on Unit Attention (D) ²⁸ , Enable Hard Addressing (H), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
23	SCO 7.1.x	Common Serial Number (C) ³⁵ , Enable Fibrepath on this Port (VCM) ⁶ , Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
24	Sequent NUMA-Q (DYNIX/ptx 4.4.x & 4.5.x), Sequent NUMA-Q (DYNIX/ptx 4.4.x & 4.5.x) ¹⁷ , Sequent NUMA-Q (DYNIX/ptx 4.4.x & 4.5.x) ^{17, 18} , Sequent NUMA-Q (DYNIX/ptx 4.4.x & 4.5.x) ^{17, 19}	Common Serial Number (C), Enable Disk Array Inq Response (A), Enable Point-to-point (PP), Enable Volume Set Addressing (V), Global Third Party Logout (TP), Tagged Command (T), Unique World Wide Name (UWN)
25	Sequent NUMA-Q (DYNIX/ptx 4.5.x direct connect), Sequent NUMA-Q (DYNIX/ptx 4.5.x direct connect) ¹⁷ , Sequent NUMA-Q (DYNIX/ptx 4.5.x direct connect) ^{17, 18} , Sequent NUMA-Q (DYNIX/ptx 4.5.x direct connect) ^{17, 19}	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁶ , Common Serial Number (C), Enable Disk Array Inq Response (A), Enable Hard Addressing (H), Enable Volume Set Addressing (V), Global Third Party Logout (TP), Tagged Command (T), Unique World Wide Name (UWN)
26	SGI Origin	Enable Hard Addressing (H), Tagged Command (T), Unique World Wide Name (UWN)
27	Sun	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁶ , Common Serial Number (C) ^{8, 36, 37} , Disable Queue Reset on Unit Attention (D) ^{7, 8, 9, 36, 37} , Enable Hard Addressing (H), Enable Point-to-point (PP), Enable Sunapee (SCL) ³⁶ , Tagged Command (T), Unique World Wide Name (UWN)
28	VERITAS Cluster Server (VCS), EMC GeoSpan for VCS	Common Serial Number (C) ⁴ , Disable Queue Reset on Unit Attention (D) ⁵ , Enable Hard Addressing (H), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
29	Windows NT / 2000, Windows NT / 2000 ²⁰	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁶ , Common Serial Number (C) ¹ , Disable Queue Reset on Unit Attention (D) ^{7, 9} , Enable Disk Array Inq Response (A) ²¹ , Enable Fibrepath on this Port (VCM) ²² , Enable Hard Addressing (H), Enable Volume Set Addressing (V) ²¹ , Tagged Command (T), Unique World Wide Name (UWN)

1. C Bit required for VERITAS VxVM DMP functionality.
2. **Tru64 V4.0F BL13 Patch Kit 2 may introduce problems with KZPBA adapters. Tru64 V4.0F latest qualified Patch Kit 8 (DUV40FB22AS0008–20030730).**
3. **Tru64 V4.0G latest qualified Patch Kit 4 (T64V40GB22AS0004–20030731).**
4. C Bit with Veritas DMP.
5. D Bit is not required for VCS 2.0 or later.
6. VCM for Volume Logix configurations only
7. Sites with PowerPath 2.0 or later already running with the D-bit enabled do not require the D-bit to be disabled.
8. C + D Bits with Veritas DMP.
9. D Bit required with PowerPath 1.5.x or earlier.
10. H Bit for FC–AL topology
11. Requires OV/K/0041.3
12. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
13. Supported with QLogic driver v6.05.00.
14. Tru64 V5.1 latest qualified Patch Kit–0006 (T64V51B20AS0006–20030210).
15. **Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006–20031031).**
16. A4S bit when sharing AS/400 drives on this port (direct connect only).
17. For HP–UX systems only:LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange –r N /dev/vg01/lvol1 or lvcreate –r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror–UX, then this flag should not be set.
18. Symmetrix microcode supported:5266.40.28 or higher, 5566.41.28 or higher, 5267.27.19 or higher, 5567.34.19 or higher.
19. Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher.
20. EMC recommends that HBAs of different vendors not be used in the same host server.
21. Set bit for HP (e.g.: D8602A, D8602B / Agilent (e.g.: HHBA–5101B, HHBA–5101C) controllers only.
22. VCM for VCM configurations only
23. E Bit: if Windows NT OS is used with TNT, set the FBA Environmental Sense key to 4, else set it to 6.
24. D Bit for multiple vendor platforms: if only NCR hosts, set IMPL flag A010.
25. **NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
26. Maximum number of NWFS volumes that can be mounted is 64.
27. D Bit with Cluster
28. E Bit with MPE/ix 5.5, 6.0, 6.5, 6.5.02.
29. Requires NWPA.NLM V.3.07A update from Novell website.
30. Open VMS 7.1–2 requires console firmware 5.6 or later and patch VMS712_SCSI–V0300.
31. OpenVMS 7.2–1, 7.2–1H1 FC–SW requires console firmware 5.6 or later and patch VMS721_fibre_SCSI–V0400. Available from <http://ftp1.support.compaq.com/public/>
32. Limited support available for MPARS 3.01.
33. Open VMS 7.3 FC–SW requires console firmware 5.6 or later and patch VMS73_update–V0100 or patch VMS73_fibre_SCSI–V0200.
34. Open VMS 7.2–2 FC–SW requires console firmware 5.6 or later and patch VMS722_fibre_SCSI–V0100.
35. C Bit with Multi–path.
36. C + D + SCL Bits with SUN Cluster 1.x, 2.x.
37. Enabling the D–bit for DMP is recommended but not required for VxVM 3.1 and higher. The D–bit is not required for VxVM 3.1 and higher.
38. V5.x:255 LUNs/Symmetrix Fibre director port (LUNs 001–0FE valid) Symmetrix 8000 Series only, OVMS director flag required (minimum 5265.48.30 or 5566.26.19), LUN 000 must be mapped to gatekeeper device, LUN 000 is not usable by Tru64 host.
39. **Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003–20030929).**
40. **FSC requires that all patches for Solaris 9 be obtained through FSC in the form of a Solaris 9 PTF patch CD. The current patch CD is Solaris 9 PTF R03111.**
41. **Minimum microcode revision level 5670.23.25. 5568 and 5669 are on a RPQ basis at this time.**
42. EAN bit set for 2 Gb FA support.

5265 Settings

There are no specific director bit settings required for iSCSI except the VCM bit with the following condition: VCM bit is required to enable Volume Logix functionality and for Challenge Handshake Authentication Protocol (CHAP).

No.	Operating Environment	Bits to Set
1	Base Settings: 5265.11.11 and below / Fibre	Common Serial Number (C), Enable Disk Array Inq Response (A), Enable Hard Addressing (H), Enable Volume Set Addressing (V), Global Third Party Logout (TP), Tagged Command (T), Unique World Wide Name (UWN)
2	Base Settings: 5265.14.12 / Fibre, Base Settings: 5265.17.13 / Fibre, Base Settings: 5265.19.14 and above / Fibre	Common Serial Number (C), Enable Disk Array INQ Response (DAR), Enable Hard Addressing (H), Enable Volume Set Addressing (V), Global Third Party Logout (TP), Tagged Command (T), Unique World Wide Name (UWN)
3	BULL Escala / AIX	Disable Queue Reset on Unit Attention (D) ¹⁵ , Enable Hard Addressing (H), Enable Point–to–point (PP), Return BUSY on ABORT (B), Tagged Command (T), Unique World Wide Name (UWN)
4	Data General AViiON 25000	Command Reordering (R), Disable Queue Reset on Unit Attention (D), Enable Point–to–point (PP), Tagged Command (T), Unique World Wide Name (UWN)
5	EMC Celerra	Avoid Reset Broadcast (ARB), Enable Fibrepath on this Port (VCM) ⁹ , Enable Point–to–point (PP), Tagged Command (T), Unique World Wide Name (UWN)
6	EMC Connectrix	Common Serial Number (C), Enable Hard Addressing (H), Enable Point–to–point (PP), Enable Volume Set Addressing (V), Global Third Party Logout (TP), Port as Disk Array (A), Tagged Command (T), Unique World Wide Name (UWN)
7	FSC PRIMEPOWER (GP7000F) Series Host, FSC PRIMEPOWER (GP7000F) Series Host²³	Command Reordering (R), Common Serial Number (C) ⁷ , Disable Queue Reset on Unit Attention (D), Enable Hard Addressing (H), Enable Point–to–point (PP), Tagged Command (T), Unique World Wide Name (UWN)

No.	Operating Environment	Bits to Set
8	FSC Reliant UNIX RM Series	Command Reordering (R), Disable Queue Reset on Unit Attention (D), Enable Hard Addressing (H), Enable Point-to-point (PP), Enable Siemens: RM/400 (S), Environment Reports to Host (E), Tagged Command (T), Unique World Wide Name (UWN)
9	Fujitsu Services (ICL) Open VME, Fujitsu Services (ICL) Open VME ¹⁰ , Unisys SMP61000 Servers, U6000, Aquanta servers	Common Serial Number (C), Enable Hard Addressing (H), Tagged Command (T), Unique World Wide Name (UWN)
10	HP / DEC Alpha Server (Tru64 UNIX 4.0x) ¹ , HP / DEC Alpha Server (Tru64 UNIX 4.0x) ³	Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
11	HP / DEC Alpha Server (Tru64 UNIX 5.x), HP / DEC Alpha Server (Tru64 UNIX 5.x) ² , HP / DEC Alpha Server (Tru64 UNIX 5.x) ⁴ , HP / DEC Alpha Server (Tru64 UNIX 5.x) ^{31, 32}	Enable Point-to-point (PP), Open VMS 7.2-1 (OVMS), Tagged Command (T), Unique World Wide Name (UWN)
12	HP / DEC OpenVMS 7.2- ¹⁵	Enable Point-to-point (PP), Open VMS 7.2-1 (OVMS), SCSI 3 (SC3), Tagged Command (T), Unique World Wide Name (UWN)
13	HP-UX, HP-UX ¹⁶ , HP-UX ^{16, 17} , HP-UX ^{16, 18} , HP-UX ^{16, 19} , HP-UX ^{16, 20}	Common Serial Number (C), Common Serial Number (C) ¹¹ , Enable Hard Addressing (H), Enable Point-to-point (PP), Enable Volume Set Addressing (V), Global Third Party Logout (TP), Port as Disk Array (A), Tagged Command (T), Unique World Wide Name (UWN)
14	IBM AIX with EMC Fibre Channel Interface	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁴ , Disable Queue Reset on Unit Attention (D) ¹⁵ , Enable Hard Addressing (H), Enable Point-to-point (PP), Return BUSY on ABORT (B), Tagged Command (T), Unique World Wide Name (UWN)
15	IBM AIX with FC 6227, 6228	Disable Queue Reset on Unit Attention (D) ¹⁵ , Enable Hard Addressing (H), Enable Point-to-point (PP), SCSI 3 (SC3), Tagged Command (T), Unique World Wide Name (UWN)
16	Linux, Linux ^{12, 13}	Common Serial Number (C) ¹¹ , Enable Fibrepath on this Port (VCM) ⁹ , Enable Hard Addressing (H), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
17	Novell Netware, Novell Netware ²⁴ , Novell Netware ^{24, 25} , Novell Netware ²⁵ , Novell Netware ^{25, 27}	Disable Queue Reset on Unit Attention (D) ²⁶ , Enable Hard Addressing (H), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
18	SCO UNIXWare	Enable Fibrepath on this Port (VCM) ⁹ , Enable Hard Addressing (H), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
19	Sequent NUMA-Q (DYNIX 4.4.4+, 4.5.0+)	Common Serial Number (C), Enable Point-to-point (PP), Enable Volume Set Addressing (V), Environment Reports to Host (E) ⁶ , Port as Disk Array (A), Sequent Host (SEQ), Tagged Command (T), Unique World Wide Name (UWN)
20	Sequent NUMA-Q (DYNIX 4.5.0+)	Common Serial Number (C), Enable Hard Addressing (H), Environment Reports to Host (E) ⁶ , Sequent Host (SEQ), Tagged Command (T), Unique World Wide Name (UWN)
21	SGI Origin	Class II Service (C2S), Enable Hard Addressing (H), Enable Point-to-point (PP), Tagged Command (T), Unique World Wide Name (UWN)
22	Sun	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁴ , Common Serial Number (C) ^{28, 29, 30} , Disable Queue Reset on Unit Attention (D) ^{15, 28, 29, 30} , Enable Hard Addressing (H), Enable Point-to-point (PP), Enable Sunapee (SCL) ³⁰ , Tagged Command (T), Unique World Wide Name (UWN)
23	VERITAS Cluster Server (VCS), EMC GeoSpan for VCS	Common Serial Number (C) ⁷ , Disable Queue Reset on Unit Attention (D) ⁸ , Enable Hard Addressing (H), Enable Point-to-point (PP), Tagged Command (T)
24	Windows NT / 2000, Windows NT / 2000 ²¹	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁴ , Common Serial Number (C) ¹¹ , Disable Queue Reset on Unit Attention (D) ²³ , Enable Hard Addressing (H), Enable Point-to-point (PP), Enable Volume Set Addressing (V) ²² , Port as Disk Array (A) ²² , Tagged Command (T), Unique World Wide Name (UWN)

1. **Tru64 V4.0F BL13 Patch Kit 2 may introduce problems with KZPBA adapters. Tru64 V4.0F latest qualified Patch Kit 8 (DUV40FB22AS0008-20030730).**
2. Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).
3. **Tru64 V4.0G latest qualified Patch Kit 4 (T64V40GB22AS0004-20030731).**
4. **Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).**
5. OpenVMS 7.2-1, 7.2-1H1 FC-SW requires console firmware 5.6 or later and patch VMS721_fibre_SCSI-V0400. Available from <http://ftp1.support.compaq.com/public/>
6. E bit - Optional.
7. C Bit with Veritas DMP.
8. D Bit is not required for VCS 2.0 or later.
9. VCM for Volume Logix configurations only
10. Requires OV/K/0041.3
11. C Bit required for VERITAS VxVM DMP functionality.
12. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPO.
13. Supported with QLogic driver v6.05.00.
14. A4S bit when sharing AS/400 drives on this port (direct connect only).
15. D Bit with PowerPath.
16. For HP-UX systems only:LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
17. Requires HP-UX 11.0 Extension Pack release May 1999 or equivalent.
18. Symmetrix microcode supported:5266.40.28 or higher, 5566.41.28 or higher, 5267.27.19 or higher, 5567.34.19 or higher.
19. Requires HP-UX 11.0 General Release patch bundle XSWGR1100 B.11.00.47.05 released November 1999 or equivalent.
20. Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher.
21. EMC recommends that HBAs of different vendors not be used in the same host server.
22. A + V bits for Tachlite (D8602A)
23. D Bit - Optional with PowerPath
24. **NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
25. Maximum number of NWFS volumes that can be mounted is 64.
26. D Bit with Cluster.
27. Requires NWPA.NLM V.3.07A update from Novell website.
28. C + D Bits with Veritas DMP.
29. Enabling the D-bit for DMP is recommended but not required for VxVM 3.1 and higher. The D-bit is not required for VxVM 3.1 and higher.
30. C + D + SCL Bits with SUN Cluster 1.x, 2.x.
31. V5.x:255 LUNs/Symmetrix Fibre director port (LUNs 001-0FE valid) Symmetrix 8000 Series only, OVMS director flag required (minimum 5265.48.30 or 5566.26.19), LUN 000 must be mapped to gatekeeper device, LUN 000 is not usable by Tru64 host.
32. **Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).**
33. **FSC requires that all patches for Solaris 9 be obtained through FSC in the form of a Solaris 9 PTF patch CD. The current patch CD is Solaris 9 PTF R03111.**

SCSI Bit Settings

5568 Settings

There are no specific director bit settings required for iSCSI except the VCM bit with the following condition: VCM bit is required to enable Volume Logix functionality and for Challenge Handshake Authentication Protocol (CHAP).

No.	Operating Environment	Bits to Set
1	AS/400, AS/400 ²⁸	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ²⁹ , Avoid Reset Broadcast (ARB), Negotiate Reset (N), Set QERR (Z)
2	Bull Escala / AIX	Disable Queue Reset on Unit Attention (D) ^{3, 4} , SCSI 3 (SC3) ¹⁰
3	Data General AViiON 2800, 4900.5500, 3700R	Disable Queue Reset on Unit Attention (D) ⁶
4	EMC Celerra	Avoid Reset Broadcast (ARB)
5	FSC & Fulltime	Disable Queue Reset on Unit Attention (D)
6	FSC PRIMEPOWER (GP7000F) Series Host, FSC PRIMEPOWER (GP7000F) Series Host ⁸⁸	Common Serial Number (C) ⁷ , Disable Queue Reset on Unit Attention (D), Negotiate Reset (N) ⁹
7	FSC RM400(C/E)/600E	Disable Queue Reset on Unit Attention (D), Enable Siemens Hosts Rm/400 - Rm/600 (S), Environment Reports to Host (E)
8	HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x), HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x) ¹ , HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x) ^{36, 37} , HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x) ⁵	Common Serial Number (C) ² , Disable Queue Reset on Unit Attention (D) ^{3, 4}
9	HP / DEC OpenVMS Clusters, HP / DEC OpenVMS Clusters ²⁶ , HP / DEC OpenVMS Clusters ²⁷ , HP / DEC OpenVMS Clusters ³¹ , HP / DEC OpenVMS Clusters ³²	Avoid Reset Broadcast (ARB) ²⁵
10	HP 9000, HP 9000 ¹¹ , HP 9000 ^{11, 13} , HP 9000 ^{11, 14} , HP 9000 ^{11, 15} , HP 9000 ^{11, 16}	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹² , Common Serial Number (C)
11	HP e3000	Environment Reports to Host (E)
12	Linux	Common Serial Number (C) ¹⁸ , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
13	NCR MPRAS / Windows NT, NCR MPRAS / Windows NT ¹⁷ , NCR MPRAS / Windows NT ³⁰	Disable Queue Reset on Unit Attention (D) ¹⁹ , Environment Reports to Host (E) ²⁰
14	NCR Teradata and Empath	Disable Queue Reset on Unit Attention (D), Environment Reports to Host (E)
15	Novell Netware, Novell Netware ²¹ , Novell Netware ^{21, 22} , Novell Netware ²² , Novell Netware ^{22, 24}	Disable Queue Reset on Unit Attention (D) ²³
16	Sequent Symmetry / NUMA-Q (DYNIX/ptx 4.4.x & 4.5.x)	Common Serial Number (C), Environment Reports to Host (E), Sequent Host (SEQ)
17	Sun	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹² , Common Serial Number (C) ^{33, 34, 35} , Disable Queue Reset on Unit Attention (D) ^{3, 4} , Enable Sunapee (SCL), Negotiate Reset (N) ⁹
18	VERITAS First Watch (VFW), VERITAS Cluster Server (VCS), EMC GeoSpan for VCS	Common Serial Number (C) ⁷ , Disable Queue Reset on Unit Attention (D) ⁸
19	Windows NT / 2000, Windows NT / 2000 ¹⁷	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹² , Common Serial Number (C) ¹⁸ , Disable Queue Reset on Unit Attention (D) ^{3, 4}

1. Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).

2. C Bit with Multi-path.
3. Sites with PowerPath 2.0 or later already running with the D-bit enabled do not require the D-bit to be disabled.
4. D Bit required with PowerPath 1.5.x or earlier.
5. **Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).**
6. D Bit with MPIO.
7. C Bit with Veritas DMP.
8. D Bit is not required for VCS 2.0 or later.
9. N-Bit with PCI SCSI.
10. SC3 Bit allows use of LUNS 0-F.
11. For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
12. A4S bit when sharing AS/400 drives on this port.
13. Requires HP-UX 11.0 Extension Pack release May 1999 or equivalent.
14. Symmetrix microcode supported: 5266.40.28 or higher, 5566.41.28 or higher, 5267.27.19 or higher, 5567.34.19 or higher.
15. Requires HP-UX 11.0 General Release patch bundle XSWGR1100 B.11.00.47.05 released November 1999 or equivalent.
16. Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher.
17. EMC recommends that HBAs of different vendors not be used in the same host server.
18. C Bit required for VERITAS VxVM DMP functionality.
19. D Bit for multiple vendor platforms; if only NCR hosts, set IMPL flag A010.
20. E Bit: if Windows NT OS is used with TNT, set the FBA Environmental Sense key to 4, else set it to 6.
21. **NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
22. Maximum number of NWFS volumes that can be mounted is 64.
23. D Bit with Cluster.
24. Requires NWPA.NLM V.3.07A update from Novell website.
25. ARB Bit only with OpenVMS SCSI Cluster.
26. Open VMS 7.1-2 requires console firmware 5.6 or later and patch VMS712_SC3I-V0300.
27. OpenVMS 7.2-1, 7.2-1H1 FC-SW requires console firmware 5.6 or later and patch VMS721_fibre_SC3I-V0400. Available from <http://ftp1.support.compaq.com/public/>
28. Subject to IBMs limitations per host model.
29. A4S Bit when using DataBase Extractor. Set this bit on target host port (not on As/400 port).
30. Limited support available for MPARS 3.01.
31. Open VMS 7.3 FC-SW requires console firmware 5.6 or later and patch VMS73_update-V0100 or patch VMS73_fibre_SC3I-V0200.
32. Open VMS 7.2-2 FC-SW requires console firmware 5.6 or later and patch VMS722_fibre_SC3I-V0100.
33. C + D Bits with Veritas DMP.
34. C + D + SCL Bits with SUN Cluster 1.x, 2.x.
35. Enabling the D-bit for DMP is recommended but not required for VxVM 3.1 and higher.
36. V5.x:255 LUNs/Symmetrix Fibre director port (LUNs 001-0FE valid) Symmetrix 8000 Series only, OVMS director flag required (minimum 5265.48.30 or 5566.26.19), LUN 000 must be mapped to gatekeeper device, LUN 000 is not usable by Tru64 host.
37. **Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).**
38. **FSC requires that all patches for Solaris 9 be obtained through FSC in the form of a Solaris 9 PTF patch CD. The current patch CD is Solaris 9 PTF R03111.**

5x67 Settings

There are no specific director bit settings required for iSCSI except the VCM bit with the following condition: VCM bit is required to enable Volume Logix functionality and for Challenge Handshake Authentication Protocol (CHAP).

No.	Operating Environment	Bits to Set	Comments
1	AS/400 9337 External Emulation ³²	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ³³ , Avoid Reset Broadcast (ARB), Linked Commands (L), Negotiate Reset (N), Set QERR (Z), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
2	AS/400 Internal Emulation Types (load source)	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ³³ , Avoid Reset Broadcast (ARB), Linked Commands (L), Set QERR (Z), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
3	Bull Escala / AIX	Disable Queue Reset on Unit Attention (D) ^{3, 4} , Linked Commands (L), SCSI 3 (SC3) ¹⁸ , Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
4	Data General AViiON 2800, 4900/5500, 3700R	Disable Queue Reset on Unit Attention (D) ⁹ , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
5	EMC Celerra	Avoid Reset Broadcast (ARB), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
6	FSC PRIMEPOWER (GP7000F) Series Host, FSC PRIMEPOWER (GP7000F) Series Host⁴¹	Command Reordering (R), Common Serial Number (C) ¹¹ , Disable Queue Reset on Unit Attention (D), Linked Commands (L), Negotiate Reset (N) ¹³ , Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
7	FSC RM1000Im	Disable Queue Reset on Unit Attention (D), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	

No.	Operating Environment	Bits to Set	Comments
8	FSC RM400(C/E)/600E	Command Reordering (R), Disable Queue Reset on Unit Attention (D), Enable Siemens Hosts Rm/400 – Rm/600 (S), Environment Reports to Host (E), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
9	Fujitsu Services (ICL) OpenVME, Fujitsu Services (ICL) OpenVME ¹⁴ , SCO UnixWare 7.1.x, SGI Origin	Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
10	HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x), HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x) ¹ , HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x) ^{39, 40} , HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x) ⁵ , HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x) ⁶ , HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x)	Common Serial Number (C) ² , Disable Queue Reset on Unit Attention (D) ^{3, 4} , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
11	HP / DEC OpenVMS Clusters	Avoid Reset Broadcast (ARB) ⁸ , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
12	HP 9000, HP 9000 ¹⁹ , HP 9000 ^{19, 21} , HP 9000 ^{19, 22} , HP 9000 ^{19, 23} , HP 9000 ^{19, 24}	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ²⁰ , Common Serial Number (C), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
13	HP e3000	Environment Reports to Host (E), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
14	IBM NUMA-Q	Common Serial Number (C), Environment Reports to Host (E), Linked Commands (L), Sequent Host (SEQ), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
15	Linux, Linux ^{15, 16}	Common Serial Number (C) ¹⁷ , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
16	NCR MPRAS / Windows NT, NCR MPRAS / Windows NT ²⁵ , NCR MPRAS / Windows NT ³⁴	Disable Queue Reset on Unit Attention (D) ²⁶ , Environment Reports to Host (E) ²⁷ , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
17	NCR Teradata and Empath	Disable Queue Reset on Unit Attention (D), Environment Reports to Host (E), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	See ³⁸
18	Novell Netware, Novell Netware ²⁸ , Novell Netware ^{28, 29} , Novell Netware ²⁹ , Novell Netware ^{29, 31}	Disable Queue Reset on Unit Attention (D) ³⁰ , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
19	Sequent Symmetry (DYNIX/ptx 4.2.4)	Avoid Force Negotiation (AFN), Linked Commands (L), Sequent Cluster (Q) ¹⁰ , Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
20	SGI Challenge	Linked Commands (L), Set QERR (Z), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
21	Sun	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ²⁰ , Common Serial Number (C) ^{35, 36, 37} , Disable Queue Reset on Unit Attention (D) ^{3, 4, 35, 36, 37} , Enable Sunapee (SCL) ³⁵ , Linked Commands (L), Negotiate Reset (N) ¹³ , Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
22	VERITAS First Watch (VFW), VERITAS Cluster Server (VCS), EMC GeoSpan for VCS	Common Serial Number (C) ¹¹ , Disable Queue Reset on Unit Attention (D) ¹² , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	

No.	Operating Environment	Bits to Set	Comments
23	Windows NT / 2000, Windows NT / 2000 ²⁵	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ²⁰ Common Serial Number (C) ¹⁷ , Disable Queue Reset on Unit Attention (D) ^{3, 4} , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	

1. **Tru64 V4.0F BL13 Patch Kit 2 may introduce problems with KZPBA adapters. Tru64 V4.0F latest qualified Patch Kit 8 (DUV40FB22AS0008-20030730).**
2. C Bit with Multi-path.
3. Sites with PowerPath 2.0 or later already running with the D-bit enabled do not require the D-bit to be disabled.
4. D Bit required with PowerPath 1.5.x or earlier.
5. Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).
6. **Tru64 V4.0G latest qualified Patch Kit 4 (T64V40GB22AS0004-20030731).**
7. **Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).**
8. ARB Bit only with OpenVMS SCSI Cluster.
9. D Bit with MPIO.
10. Q Bit for cluster configurations only.
11. C Bit with Veritas DMP.
12. D Bit is not required for VCS 2.0 or later.
13. N-Bit with PCI SCSI.
14. Requires OV/K/0041.3
15. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPO.
16. Supported with QLogic driver v6.05.00.
17. C Bit required for VERITAS VxVM DMP functionality.
18. SC3 Bit allows use of LUNS 0-F.
19. For HP-UX systems only:LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
20. A4S bit when sharing AS/400 drives on this port.
21. Requires HP-UX 11.0 Extension Pack release May 1999 or equivalent.
22. Symmetrix microcode supported:5266.40.28 or higher, 5566.41.28 or higher, 5267.27.19 or higher, 5567.34.19 or higher.
23. Requires HP-UX 11.0 General Release patch bundle XSWGR1100 B.11.00.47.05 released November 1999 or equivalent.
24. Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher.
25. EMC recommends that HBAs of different vendors not be used in the same host server.
26. D Bit for multiple vendor platforms; if only NCR hosts, set IMPL flag A010.
27. E Bit: if Windows NT OS is used with TNT, set the FBA Environmental Sense key to 4, else set it to 6.
28. **NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
29. Maximum number of NWFS volumes that can be mounted is 64.
30. D Bit with Cluster.
31. Requires NWPA.NLM V.3.07A update from Novell website.
32. Subject to IBMs limitations per host model.
33. A4S Bit when using DataBase Extractor. Set this bit on target host port (not on As/400 port).
34. Limited support available for MPARS 3.01.
35. C + D + SCL Bits with SUN Cluster 1.x, 2.x.
36. C + D Bits with Veritas DMP.
37. Enabling the D-bit for DMP is recommended but not required for VxVM 3.1 and higher.
38. Set IMPL flat A010.
39. V5.x:255 LUNs/Symmetrix Fibre director port (LUNs 001-0FE valid) Symmetrix 8000 Series only, OVMS director flag required (minimum 5265.48.30 or 5566.26.19), LUN 000 must be mapped to gatekeeper device, LUN 000 is not usable by Tru64 host.
40. **Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).**
41. **FSC requires that all patches for Solaris 9 be obtained through FSC in the form of a Solaris 9 PTF patch CD. The current patch CD is Solaris 9 PTF R03111.**

5x66 Settings

There are no specific director bit settings required for iSCSI except the VCM bit with the following condition: VCM bit is required to enable Volume Logix functionality and for Challenge Handshake Authentication Protocol (CHAP).

No.	Operating Environment	Bits to Set	Comments
1	AS/400 9337 External Emulation ³⁰	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ³¹ , Avoid Reset Broadcast (ARB), Linked Commands (L), Negotiate Reset (N), Set QERR (Z), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
2	AS/400 Internal Emulation Types (load source)	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ³¹ , Avoid Reset Broadcast (ARB), Linked Commands (L), Set QERR (Z), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
3	Bull Escala / AIX	Disable Queue Reset on Unit Attention (D) ^{13, 14} , Linked Commands (L), SCSI 3 (SC3) ¹⁸ , Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
4	Data General AViiON 2800, 4900/5500, 3700R	Disable Queue Reset on Unit Attention (D) ² , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
5	EMC Celerra	Avoid Reset Broadcast (ARB), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	

No.	Operating Environment	Bits to Set	Comments
6	FSC PRIMEPOWER (GP7000F) Series Host, FSC PRIMEPOWER (GP7000F) Series Host³⁹	Command Reordering (R), Common Serial Number (C) ⁴ , Disable Queue Reset on Unit Attention (D), Linked Commands (L), Negotiate Reset (N) ⁶ , Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
7	FSC RM1000lm	Disable Queue Reset on Unit Attention (D), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
8	FSC RM400(C/E)/600E	Command Reordering (R), Disable Queue Reset on Unit Attention (D), Enable Siemens Hosts Rm/400 – Rm/600 (S), Environment Reports to Host (E), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
9	Fujitsu Services (ICL) OpenVME, Fujitsu Services (ICL) OpenVME ⁷ , SCO UnixWare 7.1.x, SGI Origin	Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
10	HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x), HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x) ¹¹ , HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x) ¹⁵ , HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x) ¹⁶ , HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x)¹⁷ , HP / DEC Alpha Server (Tru64 UNIX 4.0x, 5.x) ^{37, 38}	Common Serial Number (C) ¹² , Disable Queue Reset on Unit Attention (D) ^{13, 14} , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
11	HP / DEC OpenVMS Clusters	Avoid Reset Broadcast (ARB) ¹ , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
12	HP 9000, HP 9000 ¹⁹ , HP 9000 ^{19, 21} , HP 9000 ^{19, 22}	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ²⁰ , Common Serial Number (C), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
13	HP e3000	Environment Reports to Host (E), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
14	IBM NUMA-Q	Common Serial Number (C), Environment Reports to Host (E), Linked Commands (L), Sequent Host (SEQ), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
15	Linux	Common Serial Number (C)¹⁰	
16	Linux ^{8, 9}	Common Serial Number (C) ¹⁰ , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
17	NCR MPRAS / Windows NT, NCR MPRAS / Windows NT ²³ , NCR MPRAS / Windows NT ³²	Disable Queue Reset on Unit Attention (D) ²⁴ , Environment Reports to Host (E) ²⁵ , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
18	NCR Teradata and Empath	Disable Queue Reset on Unit Attention (D), Environment Reports to Host (E), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	See ³⁶
19	Novell Netware, Novell Netware ²⁷ , Novell Netware ^{27, 28} , Novell Netware ²⁸ , Novell Netware ^{28, 29}	Disable Queue Reset on Unit Attention (D) ²⁶ , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
20	Sequent Symmetry (DYNIX/ptx 4.2.4)	Avoid Force Negotiation (AFN), Linked Commands (L), Sequent Cluster (Q) ³ , Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
21	SGI Challenge	Linked Commands (L), Set QERR (Z), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	

No.	Operating Environment	Bits to Set	Comments
22	Sun	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ²⁰ , Common Serial Number (C) ^{33, 34, 35} , Disable Queue Reset on Unit Attention (D) ^{13, 14, 33, 34, 35} , Enable Sunapee (SCL) ³³ , Linked Commands (L), Negotiate Reset (N) ⁶ , Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
23	VERITAS First Watch (VFW), VERITAS Cluster Server (VCS), EMC GeoSpan for VCS	Common Serial Number (C) ⁴ , Disable Queue Reset on Unit Attention (D) ⁵ , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	
24	Windows NT / 2000, Windows NT / 2000 ²³	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ²⁰ , Common Serial Number (C) ¹⁰ , Disable Queue Reset on Unit Attention (D) ^{13, 14} , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)	

- ARB Bit only with OpenVMS SCSI Cluster.
- D Bit with MPIO.
- Q Bit for cluster configurations only.
- C Bit with Veritas DMP.
- D Bit is not required for VCS 2.0 or later.
- N-Bit with PCI SCSI.
- Requires OV/K/0041.3
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supported with QLogic driver v6.05.00.
- C Bit required for VERITAS VxVM DMP functionality.
- Tru64 V4.0F BL13 Patch Kit 2 may introduce problems with KZPBA adapters. Tru64 V4.0F latest qualified Patch Kit 8 (DUV40FB22AS0008-20030730).**
- C Bit with Multi-path.
- Sites with PowerPath 2.0 or later already running with the D-bit enabled do not require the D-bit to be disabled.
- D Bit required with PowerPath 1.5.x or earlier.
- Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).
- Tru64 V4.0G latest qualified Patch Kit 4 (T64V40GB22AS0004-20030731).**
- Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).**
- SC3 Bit allows use of LUNS 0-F.
- For HP-UX systems only:LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
- A4S bit when sharing AS/400 drives on this port.
- Symmetrix microcode supported:5266.40.28 or higher, 5566.41.28 or higher, 5267.27.19 or higher, 5567.34.19 or higher.
- Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- D Bit for multiple vendor platforms; if only NCR hosts, set IMPL flag A010.
- E Bit: if Windows NT OS is used with TNT, set the FBA Environmental Sense key to 4, else set it to 6.
- D Bit with Cluster.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
- Maximum number of NWFS volumes that can be mounted is 64.
- Requires NWPA.NLM V.3.07A update from Novell website.
- Subject to IBMs limitations per host model.
- A4S Bit when using DataBase Extractor. Set this bit on target host port (not on As/400 port).
- Limited support available for MPARS 3.01.
- C + D + SCL Bits with SUN Cluster 1.x, 2.x.
- C + D Bits with Veritas DMP.
- Enabling the D-bit for DMP is recommended but not required for VxVM 3.1 and higher.
- Set IMPL flat A010.
- V5.x:255 LUNs/Symmetrix Fibre director port (LUNs 001-0FE valid) Symmetrix 8000 Series only, OVMS director flag required (minimum 5265.48.30 or 5566.26.19). LUN 000 must be mapped to gatekeeper device, LUN 000 is not usable by Tru64 host.
- Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).**
- FSC requires that all patches for Solaris 9 be obtained through FSC in the form of a Solaris 9 PTF patch CD. The current patch CD is Solaris 9 PTF R03111.**

5265 Settings

There are no specific director bit settings required for iSCSI except the VCM bit with the following condition: VCm bit is required to enable Volume Logix functionality and for Challenge Handshake Authentication Protocol (CHAP).

No.	Operating Environment	Bits to Set
1	AS/400 2105 Internal Emulation Types (load source), AS/400 2105 Internal Emulation Types (load source) ³⁵ , SGI Challenge	Linked Commands (L), Set QERR (Z), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
2	Base Settings: 5265 / SCSI, Base Settings: 5265 / SCSI ¹² , Base Settings: 5265 / SCSI ^{13, 14}	Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
3	BULL Escala / AIX	Disable Queue Reset on Unit Attention (D) ¹⁵ , Linked Commands (L), SCSI 3 (SC3) ¹⁶ , Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
4	Data General AViiON 2800, 4900/5500, 3700R	Disable Queue Reset on Unit Attention (D) ⁶ , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)

No.	Operating Environment	Bits to Set
5	EMC Celerra	Avoid Reset Broadcast (ARB), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
6	FSC RM400(C/E)/600E	Command Reordering (R), Disable Queue Reset on Unit Attention (D), Enable Siemens: RM/400 (S), Environment Reports to Host (E), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
7	HP / DEC Alpha Server (Tru64 UNIX 4.0x) ¹ , HP / DEC Alpha Server (Tru64 UNIX 4.0x) ⁴	Disable Queue Reset on Unit Attention (D) ² , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
8	HP / DEC Alpha Server (Tru64 UNIX 5.x), HP / DEC Alpha Server (Tru64 UNIX 5.x) ³ , HP / DEC Alpha Server (Tru64 UNIX 5.x) ⁵ , HP / DEC Alpha Server (Tru64 UNIX 5.x) ^{41, 42}	Common Serial Number (C), Disable Queue Reset on Unit Attention (D) ² , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
9	HP / DEC OpenVMS Clusters, HP / DEC OpenVMS Clusters ³³ , HP / DEC OpenVMS Clusters ³⁴ , HP / DEC OpenVMS Clusters ³⁷ , HP / DEC OpenVMS Clusters ³⁸	Avoid Reset Broadcast (ARB) ³² , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
10	HP 9000, HP 9000 ¹⁷ , HP 9000 ^{17, 21} , HP 9000 ^{17, 22} , HP 9000 ^{17, 23} , HP 9000 ^{17, 24}	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁸ , Disable Queue Reset on Unit Attention (D) ^{19, 20} , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
11	HP e3000	Environment Reports to Host (E) ²⁵ , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
12	NCR Teradata and Empath	Disable Queue Reset on Unit Attention (D), Environment Reports to Host (E), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
13	NCR, NCR ³⁶	Environment Reports to Host (E), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
14	Novell Netware, Novell Netware ²⁸ , Novell Netware ^{28, 29} , Novell Netware ²⁹ , Novell Netware ^{29, 31}	Disable Queue Reset on Unit Attention (D) ³⁰ , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
15	Sequent NUMA-Q / Symmetry DYNIX 4.4.x ⁷	Common Serial Number (C), Environment Reports to Host (E) ⁸ , Linked Commands (L), Sequent Host (SEQ), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
16	Sequent Symmetry DYNIX 4.2.x	Avoid Force Negotiation (AFN), Linked Commands (L), Pbay Monitor: Sequent (Q) ⁹ , Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
17	Sun	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁸ , Common Serial Number (C) ^{10, 39} , Disable Queue Reset on Unit Attention (D) ^{10, 15, 39} , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Target Initiated Negotiation (N) ⁴⁰ , Wide Transaction (W)
18	Sun Cluster	Common Serial Number (C), Disable Queue Reset on Unit Attention (D), Enable Sunapee (SCL), Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
19	VERITAS Cluster Server (VCS), EMC GeoSpan for VCS	Common Serial Number (C) ¹⁰ , Disable Queue Reset on Unit Attention (D) ^{10, 11} , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)
20	Windows NT / 2000, Windows NT / 2000 ²⁶	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁸ , Common Serial Number (C) ²⁷ , Disable Queue Reset on Unit Attention (D) ¹⁵ , Linked Commands (L), Synchronous Transaction (Y), Tagged Command (T), Wide Transaction (W)

1. Tru64 V4.0F BL13 Patch Kit 2 may introduce problems with KZPBA adapters. Tru64 V4.0F latest qualified Patch Kit 8 (DUV40FB22AS0008-20030730).
2. D Bit with PowerPath Tru64 UNIX.
3. Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).
4. Tru64 V4.0G latest qualified Patch Kit 4 (T64V40GB22AS0004-20030731).
5. Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).
6. D Bit with MPIO.

7. Turn the C-bit on for NEW installs only. *Do not change it if there is live data on the box. *Do not change the Serial Number in the SiteInfo file or change any existing volume numbers, SA numbers or Director Port numbers. The System keeps track of the volume serial numbers. No block moves allowed.
8. E bit - Optional.
9. Q Bit for cluster configurations only.
10. C + D Bits with Veritas DMP.
11. D Bit is not required for VCS 2.0 or later.
12. Requires OV/K/0041.3
13. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
14. Supported with QLogic driver v6.05.00.
15. D Bit with PowerPath.
16. SC3 Bit allows use of LUNS 0-F at 5265.25.17 and AIX 4.3.2 and above.
17. For HP-UX systems only:LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
18. A4S bit when sharing AS/400 drives on this port.
19. D Bit with Power Path in non HA environments.
20. No D Bit required at PowerPath 1.5+.
21. Requires HP-UX 11.0 Extension Pack release May 1999 or equivalent.
22. Symmetrix microcode supported:5266.40.28 or higher, 5566.41.28 or higher, 5267.27.19 or higher, 5567.34.19 or higher.
23. Requires HP-UX 11.0 General Release patch bundle XSWGRI1100 B.11.00.47.05 released November 1999 or equivalent.
24. Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher.
25. E Bit with MPE/ix 5.5, 6.0, 6.5, 6.5.02.
26. EMC recommends that HBAs of different vendors not be used in the same host server.
27. C Bit required for VERITAS VxVM DMP functionality.
28. **NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
29. Maximum number of NWFS volumes that can be mounted is 64.
30. D Bit with Cluster.
31. Requires NWPANLM V.3.07A update from Novell website.
32. ARB Bit only with OpenVMS SCSI Cluster.
33. Open VMS 7.1-2 requires console firmware 5.6 or later and patch VMS712_SCSI-V0300.
34. OpenVMS 7.2-1, 7.2-1H1 FC-SW requires console firmware 5.6 or later and patch VMS721_fibre_SCSI-V0400. Available from <http://ftp1.support.compaq.com/public/>
35. Subject to IBMs limitations per host model.
36. Limited support available for MPARS 3.01.
37. Open VMS 7.3 FC-SW requires console firmware 5.6 or later and patch VMS73_update-V0100 or patch VMS73_fibre_SCSI-V0200.
38. Open VMS 7.2-2 FC-SW requires console firmware 5.6 or later and patch VMS722_fibre_SCSI-V0100.
39. Enabling the D-bit for DMP is recommended but not required for VxVM 3.1 and higher.
40. N-Bit with PCI SCSI.
41. V5.x:255 LUNs/Symmetrix Fibre director port (LUNs 001-0FE valid) Symmetrix 8000 Series only, OVMS director flag required (minimum 5265.48.30 or 5566.26.19), LUN 000 must be mapped to gatekeeper device, LUN 000 is not usable by Tru64 host.
42. **Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).**

Symmetrix DMX Series

Base Connectivity

EMC has qualified the following hosts. No other hosts are supported at this time. Symmetrix models and minimum Engenuity revisions are listed in the footnotes on most tables. EMC supports Symmetrix configured as a boot device for the servers listed below, provided that these requirements are followed. The purpose of these requirements is primarily to ensure the best possible response times for boot/root/swap volumes. For qualified configurations, Where possible, EMC recommends an alternate mirrored boot volume be configured.1. Spindles can be shared on Symm4 or later units only.2. Spindles can be shared if they are larger than 9GB in size.3. For Symmetrix 3000 and 5000 systems, the maximum number of Symmetrix logical volumes per Symmetrix boot port is 32. For Symmetrix 8000 and DMX systems, the following guidelines and recommendations must be adhered to. When using a SAN for boot/swap/page device the operation and performance of the server might be affected by external events that might cause the storage device not to be immediately accessible for periods of time. These events might result in slow response times as observed by the operating system and longer boot times. In some cases it can cause the server to crash (please see comments below for W2K/NT).

EMC recommends designing the distribution and mapping of the boot devices on the SAN in a way that will:

- Minimize the number of components between the server and the boot storage device.
- Will not present a load that will exceed the limits of the SAN. Below are some issues that must be considered when designing your SAN. Please refer to EMC Networked Storage Topology Guide ("Networked Storage Design Considerations/Fabric Design Practices" section) for a complete discussion on the topic.
- Sufficient bandwidth on the link between the switch and the storage port
- Sufficient ISLs in case where boot device and server are more than one hop apart
- ISL utilization

Events that could affect the availability of an external storage device:

Fibre Channel and SCSI environments:

- Lost connection to external storage (pulled or damaged external Fibre/SCSI cable connection).
- External storage service/upgrade procedures such as in some cases, online microcode upgrades and/or configuration changes.
- External storage director failures including failed lasers on Fibre Channel directors.
- External storage power failure.
- HBA failures.

Fibre Channel environment only:

- Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements.4. Boot/root and swap from a single host can be on the same channel.5. The boot disk should be high SCSI priority, e.g. SCSI TID 6 (0-7, 8-15: higher priority TID is 7, lowest is 8).6. A dedicated SA or FA is not required for boot devices.7. The Internal Host Boot Device may be mirrored with the External Symmetrix Boot Device to allow redundant pathing. Does not apply to Microsoft Windows.8. The Boot path must not include a hub in the topology.9. The maximum number of boot devices per port is equal to Fanout values listed in Fibre Channel Connectivity table.

Amdahl UTS

Amdahl

Amdahl – Amdahl UTS						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Millennium: GS2000A, GS2000C, GS2000E, GS700	Mainframe Bus	Amdahl UTS: 2.1.5, 2.1.7, 4.3.2, 4.3.3, 4.4.0	IBM ESCON	ESCON	N

DG DG/UX

DG

DG – DG DG/UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	AViiON: AV1400, AV20000, AV25000, AV35000, AV3704, AV3704R, AV3750, AV3800, AV8900, AV8950	PCI	DG DG/UX R4.20MU07 ²	Emulex LP8000-F1 ^{3, 4}	FC-AL, FC-SW	N	See ¹

1. For more information see <http://athena.europe.dg.com>
2. The release notice for DG/UX (included with the software release at path: "/usr/release/dgux*.rn) lists supported platforms.
3. DG/UX automatically loads the firmware and BIOS onto the Emulex HBA during boot-up as needed.
4. Only the Brocade FC switch connection is supported. Connectrix FC switch is not supported.

EMC NAS

EMC

EMC – EMC NAS						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Celerra File Server Control Station CS-507 Series ²	PCI	EMC NAS: 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC 201-712-900 ¹	FC-SW	N
2	Celerra File Server Data Mover DM7 Series	PCI	EMC NAS: 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC 250-736-900 ¹	FC-SW	N
3	Celerra File Server Data Mover DM 510 Series	PCI	EMC NAS: 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC: 250-734-902 ⁴ , 250-735-900 ^{1, 3}	FC-SW	N

1. Host Adapter Card is not field-replaceable.
2. A SCSI-based Control Station cannot be mixed with a Fibre Channel-based Control Station in a Celerra Cabinet. A SCSI Control Station-based Celerra cannot be upgraded to a Fibre Channel Control Station-based Celerra.
3. This HBA is for connecting to a disk array.
4. This HBA is for connecting to a Tape Library unit.

Egenera BladeFrame

Egenera

Egenera – Egenera BladeFrame						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	BladeFrame cBlade-EP ⁴	PCI-X	Egenera BladeFrame 3.0 ^{1, 2}	QLogic QLA2342-E-SP ^{3, 5, 6, 7}	FC-AL, FC-SW	Y

1. Maximum of 423 LUNs are supported per BladeFrame.
2. pBlades are qualified with RedHat 2.1 Advanced Server v2.4.9-e.12, v2.4.9-e.16 and v2.4.9-e.25.
3. Supported with v4.47.18e QLogic driver included cBlade OS, BladeFrame 3.0, and BIOS v1.34.
4. PowerPath is not supported on Egenera. Egenera multi-pathing is supported on both Symmetrix and CLARiiON storage arrays.
5. Driver Version 4.47.18e5.
6. Firmware Version 3.01.13.
7. FCode value 1.34.

Fujitsu OS IV/F4

Fujitsu

Fujitsu – Fujitsu OS IV/F4						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	GS21 series; GS8000 Series; M1000 Series; M700 Series; PRIMEFORCE 80000 Series; Primeforce 2100 series	Mainframe Bus	Fujitsu OS IV/F4 MSP (MSP E20)	Fujitsu BMC-Parallel ¹	BMC-Parallel	N
2	GS21 series; GS8000 Series; M1000 Series; M700 Series; PRIMEFORCE 80000 Series; Primeforce 2100 series	Mainframe Bus	Fujitsu OS IV/F4 MSP (MSP E20)	Fujitsu OCLINK ¹	ESCON	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

Fujitsu OS IV/MSP

Fujitsu

Fujitsu – Fujitsu OS IV/MSP						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	GS21 series; GS8000 Series; M1000 Series; M700 Series; PRIMEFORCE 80000 Series; Primeforce 2100 series	Mainframe Bus	Fujitsu OS IV/MSP AFII (MSP-EX) V10L10 PTF C94091	Fujitsu BMC-Parallel ¹	BMC-Parallel	N
2	GS21 series; GS8000 Series; M1000 Series; M700 Series; PRIMEFORCE 80000 Series	Mainframe Bus	Fujitsu OS IV/MSP AFII (MSP-EX) V10L10 PTF C94091	Fujitsu OCLINK ¹	ESCON	N
3	Primeforce 2100 series	Mainframe Bus	Fujitsu OS IV/MSP AFII (MSP-EX) V10L10 PTF C94091	Fujitsu OCLINK ¹	Parallel	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

Fujitsu OS IV/XSP

Fujitsu

Fujitsu – Fujitsu OS IV/XSP						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	GS21 series; GS8000 Series; M1000 Series; M700 Series; PRIMEFORCE 80000 Series; Primeforce 2100 series	Mainframe Bus	Fujitsu OS IV/XSP AFII V10L10 PTF V94121	Fujitsu BMC-Parallel ¹	BMC-Parallel	N
2	GS21 series; GS8000 Series; M1000 Series; M700 Series; PRIMEFORCE 80000 Series	Mainframe Bus	Fujitsu OS IV/XSP AFII V10L10 PTF V94121	Fujitsu OCLINK ¹	ESCON	N
3	Primeforce 2100 series	Mainframe Bus	Fujitsu OS IV/XSP AFII V10L10 PTF V94121	Fujitsu OCLINK ¹	Parallel	N

1. Parallel channel attachment is only available on the Symmetrix 5000 series.

Fujitsu Solaris

Fujitsu

Fujitsu – Fujitsu Solaris							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PRIMEPOWER GP7000F: 1000, 2000, 200 ⁵ , 400, 600, 800	PCI	Fujitsu Solaris: 7 ⁴ , 8 ² , 9 09/02 ⁶	Fujitsu PW008FC2 ³	FC-AL, FC-SW	N	See ¹
2	PRIMEPOWER: 1500, 250, 2500, 450, 900	PCI	Fujitsu Solaris: 8 02/02 ² , 9 04/03 ⁶	Emulex: LP10000-E7, 8, 9, LP10000DC-E7, 8, 9, LP9802-E7, 9, 10; Fujitsu PW008FC2 ³	FC-AL, FC-SW	N	See ¹
3	PRIMEPOWER: 650, 850	PCI	Fujitsu Solaris: 8 850/650 ² , 9 12/02 ⁶	Emulex: LP10000-E7, 8, 9, LP10000DC-E7, 8, 9, LP9802-E7, 9, 10; Fujitsu PW008FC2 ³	FC-AL, FC-SW	N	See ¹
4	PRIMEPOWER GP7000F: 1000, 2000, 200 ⁵ , 400, 600, 800	PCI	Fujitsu Solaris: 8 ² , 9 09/02 ⁶	Emulex: LP10000-E7, 8, 9, LP10000DC-E7, 8, 9, LP9802-E7, 9, 10	FC-AL, FC-SW	N	See ¹

- For use in Asia Pacific/Japan only. Refer to Fujitsu Siemens Base Connectivity information for US/Europe.
- Fujitsu requires all patches for Solaris 8 be obtained through Fujitsu in the form of a Solaris 8 PTF patch CD. The current patch CD is Solaris 8 PTF R03111.
- Requires Fujitsu PFCA 2.2.1 and patch 912069-10.
- Fujitsu requires all patches for Solaris 7 be obtained through Fujitsu in the form of a Solaris 7 PTF patch CD. The current patch CD is Solaris 7 PTF R03111.
- Additional Fujitsu Safe Series software qualified in the single host environment, and associated patch requirement (must be obtained from Fujitsu): Fujitsu SafeFile 1.1: 910232-18 Fujitsu SafeFile 1.2: 910738-05 Fujitsu SafeFile 1.3: 910879-04 Fujitsu SafeFile/Global 1.2 910937-06 Fujitsu SafeDisk 1.1: 910315-08, 910432-01. Fujitsu SafeDisk 1.2.1: 910721-06. Fujitsu SafeDisk/Global 2.0: 910920-05. Fujitsu SafeDisk 2.0: 910926-05. Fujitsu SafeLink 2.0: 910743-07, 910766-03.
- Fujitsu requires that all patches for Solaris 9 be obtained through Fujitsu in the form of a Solaris 9 PTF patch CD. The current patch CD is Solaris 9 PTF R03111.
- Driver Version 5.02b.
- Firmware Version 1.80a2.
- FCode value 1.40a0.
- Firmware Version 1.01a2.

Fujitsu Siemens BS2000/OSD

Fujitsu Siemens

Fujitsu Siemens – Fujitsu Siemens BS2000/OSD						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	S110 ² S115 ² S120 ² S130 ² S135 ² S140 ² S145 ² S150 ² S160 ² S170 ² S180 ²	Mainframe Bus	Fujitsu Siemens BS2000/OSD: V4.0, V5.0	Fujitsu Siemens ESCON	ESCON ¹	Y
2	S145 ²	Mainframe Bus	Fujitsu Siemens BS2000/OSD V5.0	Fujitsu Siemens GS214FC05	FC-SW	Y
3	S180 ²	Mainframe Bus	Fujitsu Siemens BS2000/OSD V5.0	Fujitsu Siemens GS216FC05	FC-SW	Y
4	S120 ² S140 ²	Mainframe Bus	Fujitsu Siemens BS2000/OSD V5.0	Fujitsu Siemens GS8551C05	FC-SW	Y
5	S170 ²	Mainframe Bus	Fujitsu Siemens BS2000/OSD V5.0	Fujitsu Siemens GS8951C05	FC-SW	Y

1. Except DMX800

2. SHC-OSD (Symmetrix Host Component for BS2000/OSD) is the only external software for TimeFinder/SRDF features. Further restrictions apply. Contact C4 Group or reference http://www.fujitsu-siemens.com/rl/products/bs2000/symmetrix_bs2000.html.

Fujitsu Siemens OSD/XC

Fujitsu Siemens – Fujitsu Siemens OSD/XC						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	SX140 (PRIMEPOWER 900) ¹ SX140E (PRIMEPOWER 1500) ¹ SX140S (PRIMEPOWER 2500) ¹	Mainframe Bus	Fujitsu Siemens OSD/XC V1.1	Fujitsu Siemens ESCON	ESCON ²	Y
2	SX130 (PRIMEPOWER 800) ¹	Mainframe Bus	Fujitsu Siemens OSD/XC: V1.0, V1.1	Fujitsu Siemens ESCON	ESCON ²	Y
3	SX100 (PRIMEPOWER 650) ¹	PCI	Fujitsu Siemens OSD/XC V1.1	Fujitsu Siemens GP70F-CF30 (Emulex LP9002L-F2) ^{3, 4, 5, 6}	FC-AL, FC-SW	Y
4	SX140 (PRIMEPOWER 900) ¹ SX140E (PRIMEPOWER 1500) ¹ SX140S (PRIMEPOWER 2500) ¹	PCI	Fujitsu Siemens OSD/XC V1.1	Fujitsu Siemens: GP70F-CF30 (Emulex LP9002L-F2) ^{3, 4, 5, 6} , GP70F-CF31 (Emulex LP9802-F3) ^{4, 5, 7}	FC-AL, FC-SW	Y
5	SX130 (PRIMEPOWER 800) ¹	PCI	Fujitsu Siemens OSD/XC: V1.0, V1.1	Fujitsu Siemens: GP70F-CF10 (Emulex LP8000-F1) ^{3, 4, 5, 6} , GP70F-CF30 (Emulex LP9002L-F2) ^{3, 4, 5, 6}	FC-AL, FC-SW	Y

1. SHC-OSD (Symmetrix Host Component for BS2000/OSD) is the only external software for TimeFinder/SRDF features. Further restrictions apply. Contact C4 Group or reference http://www.fujitsu-siemens.com/rl/products/bs2000/symmetrix_bs2000.html.

2. Except DMX800

3. Firmware Version 3.91.a3.

4. EMC recommends that HBAs of different vendors not be used in the same host server.

5. Supports PowerPath 3.0 or greater.

6. Driver Version 5.01e.

7. Requires firmware 1.01a2 or higher with driver 5.02c

Fujitsu Siemens Solaris

Fujitsu Siemens – Fujitsu Siemens Solaris								
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments	
1	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	PCI	Fujitsu Siemens Solaris 2.6 May 98	Fujitsu Siemens LP9002-E (LP9002L-E) GP70F-CF30 ^{6, 7, 8}	FC-AL, FC-SW	N	See ^{3, 4}	
2	PRIMEPOWER GP7000F: 200, 400, 600, 800	PCI	Fujitsu Siemens Solaris 2.6 May 98 ¹²	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X)	FC-AL, FC-SW	N	See ^{3, 4}	
3	PRIMEPOWER GP7000F: 1000, 2000	PCI	Fujitsu Siemens Solaris 2.6 May 98 ¹²	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{6, 7, 9, 10}	FC-AL, FC-SW	N	See ^{3, 4}	
4	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	PCI	Fujitsu Siemens Solaris 7 Nov 99 ¹¹	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{6, 7, 9, 10} , LP9002-E (LP9002L-E) GP70F-CF30 ^{6, 7, 8}	FC-AL, FC-SW	Y ¹	See ^{3, 4}	
5	PRIMEPOWER GP7000F: 1000, 2000, 400, 600, 800	PCI	Fujitsu Siemens Solaris 8 02/02 ¹²	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X)	FC-AL, FC-SW	Y ¹		
6	PRIMEPOWER: 1500, 250, 2500, 450, 900	PCI	Fujitsu Siemens Solaris 8 02/02 ¹²	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30 ^{6, 7, 8} , LP9802-E (GP70F-CF31) ^{13, 14}	FC-AL, FC-SW	Y ¹	See ³	
7	PRIMEPOWER: 1500, 250, 2500, 450, 900, GP7000F 1000, GP7000F 2000, GP7000F 400, GP7000F 600, GP7000F 800	PCI	Fujitsu Siemens Solaris 9 08/03 ²	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X)	FC-AL, FC-SW	Y ¹	See ^{3, 4, 5}	
8	PRIMEPOWER: 1500, 250, 2500, 450, 900	PCI	Fujitsu Siemens Solaris 9 08/03 ²	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30 ^{6, 7, 8} , LP9802-E (GP70F-CF31) ^{13, 14}	FC-AL, FC-SW	Y ¹	See ^{3, 4}	
9	PRIMEPOWER GP7000F 200	PCI	Fujitsu Siemens Solaris: 8 02/02 ¹² , 9 08/03 ²	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X), LP9002-E (LP9002L-E) GP70F-CF30 ^{6, 7, 8} , LP9802-E (GP70F-CF31) ^{13, 14}	FC-AL, FC-SW	Y ¹		
10	PRIMEPOWER: 650, 850	PCI	Fujitsu Siemens Solaris: 8 02/02 ¹² , 9 08/03 ²	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{6, 7, 9, 10} , LP9002-E (LP9002L-E) GP70F-CF30 ^{6, 7, 8} , LP9802-E (GP70F-CF31) ^{13, 14}	FC-AL, FC-SW	Y ¹	See ^{3, 4}	
11	PRIMEPOWER GP7000F: 1000, 2000, 400, 600, 800	PCI	Fujitsu Siemens Solaris: 8 02/02 ¹² , 9 08/03 ²	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30 ^{6, 7, 8} , LP9802-E (GP70F-CF31) ^{13, 14}	FC-AL, FC-SW	Y ¹		

1. Requires Emulex Open Boot Version 1.40a0.

2. FSC requires that all patches for Solaris 9 be obtained through FSC in the form of a Solaris 9 PTF patch CD. The current patch CD is Solaris 9 PTF R03111.

3. For use in US/Europe only. Refer to Fujitsu Base Connectivity information for Asia Pacific/Japan.
4. Also supports Fujitsu Technology Solutions Inc.
5. Refer to Fujitsu Base Connectivity information for Asia Pacific/Japan.
6. Firmware Version 3.91a3.
7. Driver Version 5.02b.
8. The LP9002-E now ships with the LP9002L-E low profile adapter.
9. EMC recommends that HBAs of different vendors not be used in the same host server.
10. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
11. **FSC requires all patches for Solaris 7 be obtained through FSC in the form of a Solaris 7 PTF patch CD. The current patch CD is Solaris 7 PTF R03111.**
12. **FSC requires all patches for Solaris 2.6 be obtained through FSC in the form of a Solaris 2.6 PTF patch CD. The current patch CD is Solaris 2.6 PTF R03111.**
13. Driver Version 5.02c.
14. Firmware Version 1.01a2.

HPQ HP-UX HPQ

HPQ - HPQ HP-UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	HP 9000 R-Class	HSC	HPQ HP-UX 11.0 ⁹	HPQ A6684A ^{14, 27, 41, 61, 66, 67, 68}	FC-AL, FC-SW	N	See ^{2, 3, 65}
2	HP 9000 D390	HSC	HPQ HP-UX 11.0 ^{9, 61, 69}	HPQ A6684A ^{14, 27, 56, 68}	FC-AL, FC-SW	Y ^{72, 73, 74, 81}	See ^{2, 21, 57, 59}
3	HP 9000 D290	HSC	HPQ HP-UX 11.0 ^{9, 69}	HPQ A6684A ^{14, 27, 56, 68}	FC-AL, FC-SW	N	See ^{2, 21, 57, 59}
4	HP 9000 R390	HSC	HPQ HP-UX 11.0 ^{9, 69}	HPQ A6684A ^{14, 27, 61, 68, 82}	FC-AL, FC-SW	Y ⁸²	See ^{2, 3, 10, 69}
5	HP 9000: D270, D280, D370, D380	HSC	HPQ HP-UX 11.0 ^{9, 69}	HPQ A6684A ^{14, 27, 68}	FC-AL, FC-SW	N	See ^{2, 21, 69}
6	HP 9000 R380	HSC	HPQ HP-UX 11.0 ^{9, 69}	HPQ A6684A ^{14, 68, 82}	FC-AL, FC-SW	N	See ^{2, 3, 59, 69}
7	HP 9000: K260, K360, K460	HSC	HPQ HP-UX 11.0 ^{9, 69}	HPQ A6685A ^{14, 27, 63, 68, 82}	FC-AL, FC-SW	Y ^{69, 82}	See ^{2, 3}
8	HP 9000: K370, K380, K570, K580	HSC	HPQ HP-UX 11.0 ^{9, 69}	HPQ A6685A ^{14, 27, 63, 68, 82}	FC-AL, FC-SW	Y ^{82, 83}	See ^{2, 3}
9	HP 9000: K220, K250, K420, K450	HSC	HPQ HP-UX 11.0 ^{9, 69}	HPQ A6685A ^{14, 68}	FC-AL, FC-SW	N	See ^{2, 3, 10, 69}
10	HP 9000 R-Class	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ⁹	HPQ A6684A ^{14, 15, 27, 41, 61, 66, 67}	FC-AL, FC-SW	N	See ^{2, 3, 65}
11	HP 9000 D290 ^{61, 84}	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{9, 55}	HPQ A6684A ^{15, 27}	FC-AL, FC-SW	N	See ^{58, 60}
12	HP 9000 D290	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{9, 10}	HPQ A6684A ^{14, 15, 27, 56}	FC-AL, FC-SW	N	See ^{2, 21, 57, 59}
13	HP 9000: K220, K420	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{9, 10}	HPQ A6685A ^{14, 15, 27}	FC-AL, FC-SW	N	See ^{2, 3}
14	HP 9000: K260, K360, K460	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{9, 10}	HPQ A6685A ^{14, 15, 27, 63}	FC-AL, FC-SW	Y ^{4, 5, 7, 8, 62}	See ^{2, 3}
15	HP 9000: K370, K380, K570, K580	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{9, 10}	HPQ A6685A ^{14, 15, 27, 63}	FC-AL, FC-SW	Y ^{4, 5, 7, 8, 64}	See ^{2, 3}
16	HP 9000 D390	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{9, 10, 55}	HPQ A6684A ^{14, 15, 27, 56}	FC-AL, FC-SW	Y ^{4, 5, 7, 8}	See ^{2, 21, 57, 58, 59, 60}
17	HP 9000: D270, D280, D370, D380	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{9, 10, 55}	HPQ A6684A ^{14, 15, 27, 56}	FC-AL, FC-SW	N	See ^{2, 21, 57, 58, 59, 60}
18	HP 9000 R380	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{9, 10, 55}	HPQ A6684A ^{14, 15, 27, 61}	FC-AL, FC-SW	N	See ^{2, 3, 57, 58, 59, 60}
19	HP 9000 R390	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{9, 10, 55}	HPQ A6684A ^{14, 15, 27, 61}	FC-AL, FC-SW	Y ^{4, 5, 7, 8, 56}	See ^{2, 3, 57, 58, 59, 60}
20	HP 9000: K250, K450	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{9, 10, 55}	HPQ A6685A ^{14, 15, 27}	FC-AL, FC-SW	N	See ^{2, 3}
21	HP 9000: rp2430, rp2470	PCI	HPQ HP-UX 11.0 ^{9, 69}	HPQ A5158A ^{11, 12, 14, 26, 68}	FC-AL, FC-SW	Y ^{11, 72, 73}	See ^{2, 21, 71}
22	HP 9000: V2250, V2500, V2600	PCI	HPQ HP-UX 11.0 ^{9, 69}	HPQ A5158A ^{11, 12, 14, 26, 68}	FC-AL, FC-SW	Y ^{72, 73, 80}	See ^{2, 21}
23	HP 9000 V2200	PCI	HPQ HP-UX 11.0 ^{9, 69}	HPQ A5158A ^{11, 14, 26, 27, 68}	FC-AL, FC-SW	Y ^{11, 72, 73, 80}	See ^{2, 21}
24	HP 9000 rp5400 (L1000)	PCI	HPQ HP-UX 11.0 ^{9, 69}	HPQ A5158A ^{11, 14, 26, 27, 68, 70}	FC-AL, FC-SW	Y ^{72, 73, 74, 75}	See ^{2, 20, 21, 22}
25	HP 9000 rp5430 (L1500) ²⁵	PCI	HPQ HP-UX 11.0 ^{9, 69}	HPQ A5158A ^{11, 14, 26, 27, 68, 70}	FC-AL, FC-SW	Y ^{72, 73, 74, 76}	See ^{2, 20, 21, 22}
26	HP 9000 rp5450 (L2000)	PCI	HPQ HP-UX 11.0 ^{9, 69}	HPQ A5158A ^{11, 14, 26, 27, 68, 70}	FC-AL, FC-SW	Y ^{72, 73, 74, 77}	See ^{2, 20, 21, 22}
27	HP 9000 rp5470 (L3000) ³⁵	PCI	HPQ HP-UX 11.0 ^{9, 69}	HPQ A5158A ^{11, 14, 26, 27, 68, 70}	FC-AL, FC-SW	Y ^{72, 73, 74, 78}	See ^{2, 20, 21, 22}
28	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP-UX 11.0 ^{9, 69}	HPQ A5158A ^{12, 14, 68, 70}	FC-AL, FC-SW	Y	See ^{1, 2, 3}
29	HP 9000 rp7400	PCI	HPQ HP-UX 11.0 ^{9, 69}	HPQ A5158A ^{14, 26, 27, 68, 70}	FC-AL, FC-SW	Y ¹¹	See ^{2, 21, 37, 45}
30	HP 9000 rp5470 (L3000) ³⁵	PCI	HPQ HP-UX 11.0 ^{9, 69}	HPQ A6795A ^{14, 16, 18, 19, 29, 68}	FC-AL, FC-SW	Y ^{72, 73, 76}	See ^{2, 20, 21, 22}
31	HP 9000 rp7400	PCI	HPQ HP-UX 11.0 ^{9, 69}	HPQ A6795A ^{14, 16, 18, 19, 29, 68}	FC-AL, FC-SW	Y ^{72, 73, 79}	See ^{2, 21, 37, 44, 45}
32	HP 9000: rp5400 (L1000), rp5430 (L1500) ²⁵ , rp5450 (L2000)	PCI	HPQ HP-UX 11.0 ^{9, 69}	HPQ A6795A ^{14, 16, 18, 19, 29, 68}	FC-AL, FC-SW	N	See ^{2, 20, 21}
33	HP 9000: rp2430, rp2470	PCI	HPQ HP-UX 11.0 ^{9, 69}	HPQ A6795A ^{14, 16, 18, 19, 41, 68}	FC-AL, FC-SW	Y ⁷¹	See ^{2, 21, 71, 73}
34	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP-UX 11.0 ^{9, 69}	HPQ A6795A ^{14, 16, 18, 19, 68}	FC-AL, FC-SW	Y ^{71, 72, 73}	See ^{1, 2, 3}

HPQ – HPQ HP–UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
35	HP 9000 N-Class (N4000) ⁴⁵	PCI	HPQ HP–UX 11.0 ^{9, 69}	HPQ: A5158A ^{11, 14, 26, 27, 68, 70, A6795A^{14, 16, 18, 19, 29, 68}}	FC–AL, FC–SW	Y ^{11, 72, 73, 79}	See ^{2, 21, 37, 44, 45}
36	HP 9000 rp5405 ²⁵	PCI	HPQ HP–UX 11.0 ^{9, 69}	HPQ: A5158A ^{14, 26, 27, 68, 70, A6795A^{14, 16, 18, 19, 29, 68}}	FC–AL, FC–SW	N	See ^{2, 20, 21}
37	HP 9000 rp2405	PCI	HPQ HP–UX 11.0 ^{9, 69}	HPQ: A5158A ^{14, 26, 27, 68, 70, A6795A^{14, 16, 18, 19, 41, 68}}	FC–AL, FC–SW	N	See ^{2, 21, 71}
38	HP 9000 rp7405	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ^{8, 9, 10}	HPQ A5158A ^{14, 15, 26, 27, 41, 42}	FC–AL, FC–SW	N	See ^{2, 21}
39	HP 9000 rp7410	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ^{8, 9, 10}	HPQ A5158A ^{14, 15, 26, 27, 41, 42}	FC–AL, FC–SW	Y ⁹⁰	See ^{2, 21}
40	HP 9000 rp7405	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ^{8, 9, 10}	HPQ A6795A ^{14, 15, 16, 17, 18, 29, 41, 42}	FC–AL, FC–SW	N	See ^{2, 21, 44}
41	HP 9000 rp7410	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ^{8, 9, 10}	HPQ A6795A ^{14, 15, 16, 17, 18, 29, 41, 42}	FC–AL, FC–SW	Y ⁹⁰	See ^{2, 21, 44}
42	HP 9000 rp7400 ^{36, 38}	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Sept 2001 ^{8, 9, 10}	HPQ A5158A ^{14, 15, 26, 41}	FC–AL, FC–SW	Y ^{39, 40}	See ^{2, 21, 37, 43}
43	HP 9000: rp5430 (L1500) ^{30, 33} , rp5470 (L3000) ^{22, 30, 33, 35, 36}	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Sept 2001 ^{8, 9, 10}	HPQ A6795A ^{14, 15, 16, 17, 18, 19, 29}	FC–AL, FC–SW	Y ^{31, 34}	See ^{2, 21}
44	HP 9000 rp8400 ⁹²	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Sept 2001 ^{8, 9, 10}	HPQ: A5158A ^{14, 15, 26, 41, 42, A6795A^{14, 15, 16, 17, 18, 29, 42}}	FC–AL, FC–SW	Y ⁹¹	See ^{2, 69, 72, 73}
45	HP 9000 rp7400 ^{36, 38}	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Sept 2001 ^{8, 9, 10, 30, 35}	HPQ A6795A ^{14, 15, 16, 17, 18, 41, 42}	FC–AL, FC–SW	Y ^{39, 40}	See ^{2, 21, 37}
46	HP 9000: rp2430, rp2470	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{8, 9, 10}	HPQ A5158A ^{11, 14, 15, 26, 27}	FC–AL, FC–SW	Y ⁷¹	See ^{2, 21, 71}
47	HP 9000: V2200 ⁵² , V2250 ⁵²	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{8, 9, 10}	HPQ A5158A ^{11, 14, 15, 26, 27}	FC–AL, FC–SW	Y ^{4, 5, 7, 51}	See ^{2, 21}
48	HP 9000: V2500 ^{52, 53} , V2600 ⁵³	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{8, 9, 10}	HPQ A5158A ^{11, 14, 15, 26, 27}	FC–AL, FC–SW	Y ^{4, 5, 7, 54}	See ^{2, 21}
49	HP 9000 SUPERDOME ^{36, 49}	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{8, 9, 10}	HPQ A5158A ^{14, 15, 26, 41, 42}	FC–AL, FC–SW	Y ⁴⁸	See ^{2, 21}
50	HP 9000 SUPERDOME ^{36, 49}	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{8, 9, 10}	HPQ A6795A ^{14, 15, 16, 17, 18, 42}	FC–AL, FC–SW	Y ⁵⁰	See ^{2, 21}
51	HP 9000: rp2430, rp2470	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{8, 9, 10}	HPQ A6795A ^{14, 15, 16, 18, 19, 29}	FC–AL, FC–SW	N	See ^{2, 21, 71}
52	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{8, 9, 10}	HPQ: A5158A ^{11, 12, 13, 14, 15, A6795A^{14, 15, 16, 17, 18, 19}}	FC–AL, FC–SW	Y ^{4, 5, 6, 7}	See ^{1, 2, 3}
53	HP 9000: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{8, 9, 10}	HPQ: A5158A ^{11, 14, 15, 26, 27, 28, A6795A^{14, 15, 16, 17, 18, 19, 29}}	FC–AL, FC–SW	Y ^{4, 5, 7, 23, 24, 25}	See ^{2, 20, 21, 22}
54	HP 9000 N-Class (N4000)	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{8, 9, 10}	HPQ: A5158A ^{11, 14, 15, 26, 27, 40, 47, A6795A^{14, 15, 16, 17, 18, 19, 29}}	FC–AL, FC–SW	Y ^{4, 5, 7, 46}	See ^{2, 21, 37, 44, 45}
55	HP 9000 rp5405 ²⁵	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{8, 9, 10}	HPQ: A5158A ^{11, 14, 15, 26, 27, A6795A^{14, 15, 16, 17, 18, 19, 29}}	FC–AL, FC–SW	N	See ^{2, 20, 21, 22}
56	HP 9000 rp2405	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{8, 9, 10}	HPQ: A5158A ^{11, 14, 15, 26, 27, A6795A^{14, 15, 16, 18, 19, 29}}	FC–AL, FC–SW	N	See ^{2, 21, 71}
57	HP 9000: rp5430 (L1500) ^{30, 33} , rp5470 (L3000) ^{22, 30, 33, 35, 36}	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{8, 9, 10, 25}	HPQ A5158A ^{14, 15, 26, 27}	FC–AL, FC–SW	Y ^{31, 32}	See ^{2, 21, 30}
58	HP 9000 rp7405	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ⁹	HPQ A6826A ^{86, 87, 88, 89}	FC–AL, FC–SW	N	See ⁸⁵
59	HP 9000 rp8400 ⁹²	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ⁹	HPQ: A6826A ^{86, 87, 88, 89, A9782A^{86, 87, 88, 89}}	FC–AL, FC–SW	Y ⁹¹	See ^{69, 72, 73, 85}
60	HP 9000: SUPERDOME, rp2400 (A400/440MHz), rp2405, rp2430, rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp2470, rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ³⁵ , rp7400, rp7410	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ⁹	HPQ: A6826A ^{86, 87, 88, 89, A9782A^{86, 87, 88, 89}}	FC–AL, FC–SW	N	See ⁸⁵
61	Integrity: Superdome, rx8620	PCI–X	HPQ HP–UX 11i v2.0 (HP–UX 11.23) Sept 2003 ^{93, 95}	HPQ A6795A ^{16, 94}	FC–AL, FC–SW	Y ⁹⁵	See ⁸⁵
62	Integrity: RX4640, RX5670 (Itanium2)	PCI–X	HPQ HP–UX 11i v2.0 (HP–UX 11.23) Sept 2003 ^{93, 96}	HPQ: A6795A ^{16, 94 AB232A (LP9802)^{97, 98}}	FC–AL, FC–SW	Y ⁹⁵	See ⁸⁵
63	Integrity RX2600 (Itanium2)	PCI–X	HPQ HP–UX 11i v2.0 (HP–UX 11.23) ⁹³	HPQ: A6795A ^{16, 94 AB232A (LP9802)^{97, 98}}	FC–AL, FC–SW	Y ⁹⁵	See ⁸⁵
64	Integrity RX7620	PCI–X	HPQ HP–UX 11i v2.0 (HP–UX: 11.23) Sept 2003 ^{93, 11.23)⁹³}	HPQ: A6795A ^{16, 94 AB232A (LP9802)^{97, 98}}	FC–AL, FC–SW	Y ⁹⁵	See ⁸⁵

1. A500/550 requires minimum PDC 40.32 or higher.

2. Only PowerPath 3.0.1 is supported for DMX series systems

3. FC–AL supported for direct attach only. No support for hubs or Quickloop at this time

4. The Brocade (Brocade, EMC, or HP models) switch port the HBA involved in a FC–SW topology boot process or FC–SW topology dump process is attached to, is required to be locked as G port when the boot or dump volume resides on the Symmetrix. This can be accomplished by executing the "portCfgGport port_number,1" command from a telnet session on the Brocade switch. The boot device can not be located more than two hops from the initiator involved in the boot process.

5. For direct attached FC–AL boot or dump from a Symmetrix FA port configured for 2 Gbit speed, the Symmetrix auto–negotiation director flag must also be enabled on the FA port. FC–SW 2–Gbit boot and/or dump using A6795A requires Auto–Negotiation flag to be enabled on the switch port the HBA is attached to.

6. PDC firmware 42.09 or higher: Arbitrated Loop (direct attach) or FC–SW

7. Brocade 12000 and EMC ED–12000B Minimum firmware revision 4.0.2a to support boot.

8. For HP–UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC Symmetrix devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange –r N /dev/vg01/ivol1 or lvcreate –r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror–UX, then this flag should not be set. No additional patches are required for this option in HP–UX 11.0, HP–UX 11.11 and forward, however in HP–UX 10.x the "N" flag option was introduced with the following

- patches are required to be installed or patches which supercede or replace these in order to configured the logical volumes residing on Symmetrix devices in this manner: For all HP/UX 10.xx versions install the following Bad Block Reallocation Patch Pair: 10.01: PHKL_11294, PHKL_11890, PHCO_11288 (patches may be superseded or have co-dependencies as defined by HP). 10.10: PHKL_11816, PHCO_11817 (patches may be superseded or have co-dependencies as defined by HP). 10.20: PHKL_11086, PHKL_11903, PHCO_10964 (patches may be superseded or have co-dependencies as defined by HP).
9. For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
 10. Symm 6 is qualified with: HP-UX 11i Support Plus Sept '02 bundle = GOLDAPPS11i June '02, GOLDBASE11i June '02 & HWENABLE11i Sept '02.
 11. HP-UX 11.0 switched fabric support is enabled with: fabric device driver version B.11.00.03 and higher; minimum operating system level HP/UX 11.0 990P with March 2000 HW-CR bundle and dependency patch PHKL_21381 patches may be superseded or have co-dependencies as defined by HP. Symmetrix microcode versions: 5265.49.31, 5266.20, 5566.22 or latest Symmetrix microcode versions.
 12. FC-AL and FC-SW topologies can co-exist on the same server but not on the same HBA, provided that the different topologies are attached to different HBAs
 13. HP A5158A FC-SW software requirements: FC-AL and FC-SW requires the HP A5158A Tachlite PCI Fibre Channel Adapter. The A5158A FCSW software fabric driver version "AP0301", for HP-UX 11i is now available for download from HP's software depot site, <http://www.software.hp.com> under "drivers". It is referred to as the "hp pci tachyon tl fibre channel adapter", and requires the installation of dependent patch PHKL_22874 prior to installing the fabric driver, patches may be superseded or have co-dependencies as defined by HP.
 14. Minimum driver version for SNIA HBA API support with HP-UX 11.0 is B.11.00.10. Minimum driver version for SNIA HBA API support with HP-UX 11.11 is B.11.11.09.
 15. Driver Version 11.11.09.
 16. As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.
 - L1000 (product number A5576A)
 - L2000 (product number A5191A)
 - N4000 Revision A (product number A3639A)
 - N4000 Revision B (product number A3639B)
 17. The A6795A HBA is capable of supporting both 1 and 2 Gb speeds.
 18. Auto-sensing capability on the HBA is permanently enabled. There is no option to disable auto-sensing on the HBA.
 19. HP-UX required patches: HP-UX 11.0 ACE: PHKL_23939, HP-UX 11i: PHKL_23626
 20. L-Class requires minimum PDC firmware 40.26 or higher.
 21. FC-AL supported for direct attach only. No support for hubs or Quackloop at this time
 22. Virtual Partitions (VPAR) is supported on the L-class/rp5470 server. VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 41.02 or later.
 23. VPARS supported in boot environment with HBA supported defined in Base Connectivity table.
 24. PDC firmware 41.39 or higher; Arbitrated Loop (direct attach) or FC-SW
 25. rp5405, rp5430, rp5470, rp7400: (PA-8700 processors): Initial support with HP-UX 11.0 Sept 2001, 11i Sept 2001.
 26. HP A5158A FC-SW software requirement: FC-AL and FC-SW requires the HP A5158A Tachlite PCI Fibre Channel Adapter. The A5158A FC-SW software fabric driver version "AP0301", for HP-UX 11i is now available for download from HP's software depot site, <http://www.software.hp.com> under "drivers". It is referred to as the "hp pci tachyon tl fibre channel adapter", and requires the installation of dependent patch PHKL_22874 prior to installing the fabric driver, patches may be superseded or have co-dependencies as defined by HP.
 27. FC-AL, FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
 28. PDC firmware: Arbitrated Loop (direct attach): use 40.19 or higher; Fabric: use 40.26 or higher
 29. The A6795A HBA is capable of supporting both 1 and 2 Gb speeds. QuickLoop is not supported with Brocade 3200/3800/12000 or EMC DS-16B2, ED-12000B.
 30. rp5405, rp5430, rp5470, rp7400: (PA-8700 processors): Initial support with HP-UX 11.0 Sept 2001, 11i Sept 2001. Symmetrix microcode supported: 5266.40.28 or higher. 5566.41.28 or higher. 5267.27.19 or higher. 5567.34.19 or higher.
 31. HP A5158A FC-SW is enabled in the March 2000 HWCR bundle XSWHWCR1100.48. Additional patches may be required for support.
 32. rp5430/5470 requires minimum PDC firmware 41.36 or higher.
 33. PA-8700 processors: Supports both 11.00 and HP-UX 11i processor 8700+ only supports HP-UX 11i.
 34. rp5430/5470 required minimum PDC firmware 41.46 or higher.
 35. PA-8700 processors: Initial support with HP-UX 11.0 Sept 2001, HP-UX 11i Sept 2001.
 36. Minimum driver revision for HP-UX 11i v1.0 (HP-UX 11.11) is PCI/HSC Fibre Channel Driver B.11.11.09. In a (Vpar) environment.
 37. Requires minimum PDC firmware for N-class 40.25 or higher. The rp7400 (PA-8700) requires minimum PDC firmware 41.36 or higher.
 38. Virtual Partitions (VPAR) is supported on the N-class/rp7400 server with 4.x and 5.x Symmetrix models and DMX series. VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 42.06 or later.
 39. rp7400 requires minimum PDC firmware 41.36 or higher.
 40. N-Class: Arbitrated loop boot with PDC rev 40.04 or higher. Fabric boot with PDC rev 40.25 or higher.
 41. These qualified HBAs for EMC Symmetrix storage in the HP9000 server model and the HP-UX revision installed may co-exist in that same server or the same hard partition. Other supported HBAs not used to attach to the Symmetrix may also co-exist on the same server unless specified by EMC and/or HP.
 42. Minimum driver revision for HP-UX 11i v1.0 (HP-UX 11.11) is PCI/HSC Fibre Channel Driver B.11.11.09.
 43. rp7400 (PA-8700), rp5470 (PA-8700): initial support with HP-UX 11.0 Sept 2001, 11i Sept 2001.
 44. For rp7405 and rp7410 required minimum PDC firmware is 15.005
 45. Virtual Partitions (VPAR) is supported on the N-class/rp7400 server. VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 42.06 or later.
 46. Requires PDC firmware N-Class 41.96
 47. Requires PDC firmware rp7400 (PA-8700) requires PDC firmware 41.36.
 48. Requires minimum PDC firmware 35.4 and PDHC 7.3 or higher
 49. Virtual Partitions (VPAR) is supported on the SuperDome server with 4.x and 5.x Symmetrix models and DMX series. VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.02.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 36.1 or later.
 50. Requires minimum PDC firmware 35.4 and PDHC 7.8 or higher
 51. Requires PDC firmware TSSW 5.3.
 52. Arbitrated loop boot and fabric boot with PDC rev TSSW 5.3 or higher.
 53. Arbitrated loop boot with PDC rev TSSW 3.1 or higher. Fabric boot with PDC rev TSSW 3.2 or higher.
 54. Requires PDC firmware TSSW 3.2 or higher
 55. For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC Symmetrix devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
 56. D390, R390 require minimum PDC firmware 41.35 or higher.
 57. HP-UX 11.0 Sept 2002
 58. 512 lun limit per FA port
 59. HP-UX 11i v1.0 (HP-UX 11.11) Sept 2002
 60. FC-AL topology attaches to DMX supported with direct attach only
 61. Dx90, Rx90 servers support a maximum of 2 A6684A HBAs. The first must be installed in the turbo slot 10/12 and the second in any HSC slot.
 62. Requires PDC firmware 41.33 or higher
 63. The A6685A is not supported in slots 10/0 and 10/8 of the K570 and K580. In the K570 and K580, there are restrictions for the number of A6685A HBA cards supported when graphics cards are installed.
 64. Requires PDC firmware 41.34 or higher
 65. Dx90, Rx90 require minimum PDC firmware 41.35 or higher.
 66. Required dependent FCMS patches are required (patches may be superseded or have co-dependencies as defined by HP): HP-UX 11.0, PHKL_21834 HP-UX 11i: PHKL_23626. NOTE: These patches must be installed before installing the driver, available at <http://us-support2.external.hp.com>, HSC Tachlite driver available at <http://www.software.hp.com>, under "drivers" and locate Fibre Channel HSC Tachlite adapter (A6684A or A6685A). For HP-UX 11i, the driver is under "hp tachyon tl fibre channel adapter" which enables support for A6684A/A6685A/A5158A.
 67. HP-UX 11.00 minimum driver revision B.11.00.06.
HP-UX 11i minimum driver revision B.11.11.06.
 68. Driver Version 11.00.10.
 69. Symm 6 is qualified with: HP-UX 11.00 Support Plus Sept '02 bundle = QPK1100 Sept '02 & HWE1100 Sept '02
 70. HP-UX 11.0 switched fabric support is enabled with: fabric device driver version B.11.00.03 and higher; minimum operating system level HP/UX 11.0 990P with March 2000 HW-CR bundle and dependency patch PHKL_21381 patches may be superseded or have co-dependencies as defined by HP.
 71. Requires minimum PDC firmware 42.03 or higher.
 72. FCAL on Symm 6 supported by direct attach only
 73. Symm6: 512 lun limit per FA port
 74. For driver versions refer to Base Connectivity Section
 75. Requires PDC firmware 41.28
 76. Requires minimum PDC firmware 42.06 or higher
 77. PDC firmware 41.39 or later
 78. Requires minimum PDC firmware 42.06.

79. Requires minimum PDC firmware 41.46 or higher
 80. PDC firmware: V2200, 2250: Arbitrated loop and fabric, use TSSW 5.3 or higher. V2500, 2600: Arbitrated loop, use TSSW 3.1 or higher. Fabric, use TSSW 3.2 or higher.
 81. Requires minimum PDC firmware 41.34 or higher.
 82. HP-UX 11.0 minimum driver revision B.11.00.06. HP-UX 11i minimum driver revision B.11.11.06.
 83. Requires minimum PDC firmware 41.34 or higher
 84. Dx90, Rx90 require minimum PDC firmware 41.35 or higher to support boot.
 85. Requires Minimum Symmetrix microcode 5669.46.24 or 5670.23.25.
 86. Driver Version 11.11.01.
 87. Firmware Version 3.02.162.
 88. Required Patch PHKL_28569, PHKL_26938 and 2port 2Gig driver version 11.11.01.
 89. Host must be configured as a 64Bit operating system.
 90. rp7410 requires minimum PDC firmware 16.009 or higher.
 91. PDC firmware 15.05 or higher; Arbitrated Loop (direct attach) or FC-SW
 92. **Virtual Partitions (VPAR) is supported on the rp8400 server with 4.x and 5.x Symmetrix models and DMX Series. VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, system firmware 4.0 or later, PDC firmware 16.009 or later.**
 93. HP-UX 11i v2.0 (HP-UX 11.23) is a IA-64 release and only runs on the HP Integrity rx family server.
 94. Driver Version 11.23.01.
 95. The A6795A EFI driver must be upgraded to version 1.09 to support boot.
 96. Minimum microcode revision level 5670.23.25. 5568 and 5669 are on a RPQ basis at this time.
 97. Driver Version 1.01a9. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
 98. Firmware Version 1.01a2.

NEC

NEC - HPQ HP-UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	NX7000 V2600 ^{4,5}	PCI	HPQ HP-UX 11.0 ¹	HPQ A5158A ^{2,3}	FC-AL, FC-SW	N	See ^{6,7}
2	NX7000: rp5400 (L1000), rp5450 (L2000); TX7: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP-UX 11.0 ¹	HPQ: A5158A ^{2,3,9,10} , A6795A ^{3,11,12,13}	FC-AL, FC-SW	N	See ^{6,7}
3	NX7000: rp2400 (A400), rp2450 (A500) ¹⁴ , rp2450 (A550) ¹⁴	PCI	HPQ HP-UX 11.0 ¹	HPQ: A5158A ^{2,3,10} , A6795A ^{2,3,11,12,13}	FC-AL, FC-SW	N	See ^{6,7}
4	NX7000: rp2430, rp2470, rp5430, rp5470 (L3000), rp7400, rp7410; TX7: rp5430, rp5470 (L3000), rp7400	PCI	HPQ HP-UX 11.0 ¹	HPQ: A5158A ^{2,3} , A6795A ^{2,3,11,12,13}	FC-AL, FC-SW	N	See ^{6,7}
5	NX7000 V2600 ^{4,5}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ A5158A ^{2,8}	FC-AL, FC-SW	N	See ^{6,7}
6	NX7000: rp5400 (L1000), rp5450 (L2000); TX7: rp5400 (L1000), rp5450 (L2000)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ: A5158A ^{2,8,9,10} , A6795A ^{8,11,12,13}	FC-AL, FC-SW	N	See ^{6,7}
7	NX7000: rp2400 (A400), rp2450 (A500) ¹⁴ , rp2450 (A550) ¹⁴	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ: A5158A ^{2,8,10} , A6795A ^{2,8,11,12,13}	FC-AL, FC-SW	N	See ^{6,7}
8	NX7000: rp2430, rp2470, rp5430, rp5470 (L3000), rp7400, rp7410, rp8400 ¹⁶ ; TX7: rp5430, rp5470 (L3000), rp7400	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ: A5158A ^{2,8} , A6795A ^{2,8,11,12,13}	FC-AL, FC-SW	N	See ^{6,7}
9	NX7000 Superdome ¹⁵ ; TX7 Superdome ¹⁵	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ: A5158A ⁸ , A6795A ^{8,11,12,13}	FC-AL, FC-SW	N	See ^{6,7}

1. For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
 2. FC-AL, FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
 3. Driver Version 11.00.10.
 4. Minimum OS revision is HP-UX 11.0 990P.
 5. Arbitrated loop boot with PDC rev TSSW 3.1 or higher. Fabric boot with PDC rev TSSW 3.2 or higher.
 6. FC-AL topology attaches to DMX supported with direct attach only
 7. 512 lun limit per FA port
 8. Driver Version 11.11.09.
 9. PDC firmware: Arbitrated Loop (direct attach): use 40.19 or higher; Fabric: use 40.26 or higher
 10. HP-UX driver requirements: HP-UX 11.0 : A6684A/A6685A/A5158A/A6795A HP PCI Tachyon TL/XL2 Fibre Channel driver B.11.00.10 or later release which supports this HBA.
 11. The A6795A HBA is capable of supporting both 1 and 2 Gb speeds. QuickLoop is not supported with Brocade 3200/3800/12000 or EMC DS-16B2, ED-12000B.
 12. As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)
 L2000 (product number A5191A)
 N4000 Revision A (product number A3639A)
 N4000 Revision B (product number A3639B)

13. Auto-sensing capability on the HBA is permanently enabled. There is no option to disable auto-sensing on the HBA.
 14. PDC firmware: Arbitrated loop and fabric, use 40.32 or higher.
 15. Requires minimum PDC firmware 32.2 and PDHC 7.3 or higher
 16. rp8400 requires minimum PDC firmware 13.10 or higher.

HPQ Open VMS HPQ

HPQ - HPQ Open VMS							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	AlphaServer DS25 ⁷	PCI	HPQ Open VMS V7.3- ¹⁰ , 11	HPQ: FCA2354 (LP9002) ¹² , FCA2384 (LP9802) ^{13,14} , KGPSA-CA (168794-B21) ¹² , KGPSA-DA (261329-B21) ¹² , KGPSA-EA ^{13,14}	FC-SW	Y ²	See ¹
2	AlphaServer ES40 ⁷	PCI	HPQ Open VMS: V7.2- ³ , 4,5, V7.3- ^{10,11} , V7.3 ^{4,8} , 9	HPQ: FCA2354 (LP9002) ¹² , FCA2384 (LP9802) ^{13,14} , KGPSA-BC (380574-001) ⁶ , KGPSA-CA (168794-B21) ¹² , KGPSA-DA (261329-B21) ¹² , KGPSA-EA ¹⁴	FC-SW	Y ²	See ¹
3	AlphaServer: GS160 ⁷ , GS320 ⁷ , GS80 ⁷	PCI	HPQ Open VMS: V7.2- ³ , 4,5, V7.3- ^{10,11} , V7.3 ^{4,8} , 9	HPQ: FCA2354 (LP9002) ¹² , FCA2384 (LP9802) ^{13,14} , KGPSA-CA (168794-B21) ¹² , KGPSA-DA (261329-B21) ¹² , KGPSA-EA ¹⁴	FC-SW	Y ²	See ¹
4	AlphaServer: DS10L, DS10 ⁷ , DS20E, DS20 ⁷ , GS60 ⁷	PCI	HPQ Open VMS: V7.2- ³ , 4,5, V7.3- ^{10,11} , V7.3 ^{4,8} , 9	HPQ: FCA2354 (LP9002) ¹² , KGPSA-BC (380574-001) ⁶ , KGPSA-CA (168794-B21) ¹² , KGPSA-DA (261329-B21) ¹²	FC-SW	Y ²	See ¹
5	AlphaServer: 1200 ⁷ , 4000 ⁷ , 4100 ⁷ , 8200 ⁷ , 8400 ⁷ , GS140 ⁷	PCI	HPQ Open VMS: V7.2- ³ , 4,5, V7.3- ^{10,11} , V7.3 ^{4,8} , 9	HPQ: KGPSA-BC (380574-001) ⁶ , KGPSA-CA (168794-B21) ¹²	FC-SW	Y ²	See ¹
6	AlphaServer ES45 ⁷	PCI	HPQ Open VMS: V7.3- ¹⁰ , 11, V7.3 ^{4,8} , 9	HPQ: FCA2354 (LP9002) ¹² , FCA2384 (LP9802) ^{13,14} , KGPSA-CA (168794-B21) ¹² , KGPSA-DA (261329-B21) ¹² , KGPSA-EA ^{13,14}	FC-SW	Y ²	See ¹

HPQ – HPQ Open VMS							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
7	AlphaServer: ES80, GS1280	PCI-X	HPQ Open VMS V7.3–1 ¹⁰ , 11	HPQ: FCA2354 (LP9002) ¹² , FCA2384 (LP9802) ^{13, 14} , KGPSA-DA (261329-B21) ¹² , KGPSA-EA ^{13, 14}	FC-SW	Y ²	See ¹
8	AlphaServer ES47	PCI, PCI-X	HPQ Open VMS V7.3–1 ¹⁰ , 11	HPQ: FCA2354 (LP9002) ¹² , FCA2384 (LP9802) ^{13, 14} , KGPSA-DA (261329-B21) ¹² , KGPSA-EA ^{13, 14}	FC-SW	Y ²	See ¹

1. Requires Fibre Channel switch. Refer to Fibre Channel Connectivity – HPQ sections for connectivity details.
2. Refer to Base Connectivity, Clustered Host HPQ sections for connectivity details.
3. Open VMS 7.2–2 FC-SW requires console firmware 5.6 or later and patch VMS722_fibre_SCSI-V0100.
4. Lun 000 must not be defined for Symmetrix DMX
5. Latest SCSI patch qualified: VMS722_FIBRE_SCSI-V0400
6. KGPSA-BC: Latest firmware revision 3.20X7.
7. Latest qualified Alpha Systems firmware is V6.5.
8. Open VMS 7.3 FC-SW requires console firmware 5.6 or later and patch VMS73_update-V0100 or patch VMS73_fibre_SCSI-V0200.
9. Latest SCSI patch qualified: VMS73_FIBRE_SCSI-V0500
10. Lun 000 can be used as a disk device with Symmetrix DMX
11. Latest SCSI patch qualified: VMS731_FIBRE_SCSI-V0300
12. Firmware Version 3.91A1.
13. FCA2384(KGPSA-EA): Latest firmware revision 1.00X6
14. Firmware Version 1.00X6.

HPQ OpenVMS V7.3–2 HPQ

HPQ – HPQ OpenVMS V7.3–2							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	AlphaServer: 1200 ⁴ , 4000 ⁴ , 4100 ⁴ , 8200 ⁴ , 8400 ⁴ , GS140 ⁴	PCI	HPQ OpenVMS V7.3–2	HPQ KGPSA-CA (168794-B21) ³	FC-SW	Y ²	See ¹
2	AlphaServer: DS25 ⁴ , ES45 ⁴	PCI	HPQ OpenVMS V7.3–2	HPQ: FCA2354 (LP9002) ³ , FCA2384 (LP9802) ^{5, 6} , KGPSA-CA (168794-B21) ³ , KGPSA-DA (261329-B21) ³ , KGPSA-EA ^{5, 6}	FC-SW	Y ²	See ¹
3	AlphaServer: ES40 ⁴ , GS160 ⁴ , GS320 ⁴ , GS80 ⁴	PCI	HPQ OpenVMS V7.3–2	HPQ: FCA2354 (LP9002) ³ , FCA2384 (LP9802) ^{5, 6} , KGPSA-CA (168794-B21) ³ , KGPSA-DA (261329-B21) ³ , KGPSA-EA ⁶	FC-SW	Y ²	See ¹
4	AlphaServer: DS10L, DS10 ⁴ , DS20E, DS20 ⁴ , GS60 ⁴	PCI	HPQ OpenVMS V7.3–2	HPQ: FCA2354 (LP9002) ³ , KGPSA-CA (168794-B21) ³ , KGPSA-DA (261329-B21) ³	FC-SW	Y ²	See ¹
5	AlphaServer: ES80, GS1280	PCI-X	HPQ OpenVMS V7.3–2	HPQ: FCA2354 (LP9002) ³ , FCA2384 (LP9802) ^{5, 6} , KGPSA-DA (261329-B21) ³ , KGPSA-EA ^{5, 6}	FC-SW	Y ²	See ¹
6	AlphaServer ES47	PCI, PCI-X	HPQ OpenVMS V7.3–2	HPQ: FCA2354 (LP9002) ³ , FCA2384 (LP9802) ^{5, 6} , KGPSA-DA (261329-B21) ³ , KGPSA-EA ^{5, 6}	FC-SW	Y ²	See ¹

1. Requires Fibre Channel switch. Refer to Fibre Channel Connectivity – HPQ sections for connectivity details.
2. Refer to Base Connectivity, Clustered Host HPQ sections for connectivity details.
3. Firmware Version 3.91A1.
4. Latest qualified Alpha Systems firmware is V6.5.
5. FCA2384(KGPSA-EA): Latest firmware revision 1.00X6
6. Firmware Version 1.00X6.

HPQ Tru64 UNIX HPQ

HPQ – HPQ Tru64 UNIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	AlphaServer: GS160 ⁶ , GS320 ⁶ , GS80 ⁶	PCI	HPQ Tru64 UNIX V4.0G ^{14, 15}	HPQ KGPSA-CA (168794-B21) ⁵	FC-SW	N	See ¹
2	AlphaServer: DS10, DS10L, DS20, DS20E, ES40, GS160 ⁶ , GS320 ⁶ , GS80 ⁶	PCI	HPQ Tru64 UNIX V5.1 ^{3, 9}	HPQ: FCA2354 (LP9002) ⁵ , KGPSA-DA (261329-B21) ⁵	FC-SW	N	See ¹
3	AlphaServer: SC20 ¹¹ , SC40 ¹¹ , SC45 ¹¹	PCI	HPQ Tru64 UNIX V5.1A ^{3, 8, 12}	HPQ KGPSA-CA (168794-B21) ⁵	FC-SW	Y ²	See ¹
4	AlphaServer: 1200 ⁶ , 4000 ⁶ , 4100 ⁶ , 8200 ⁶ , 8400 ⁶ , DS10L, DS10 ⁶ , DS20E, DS20 ⁶ , ES40 ⁶ , GS140 ⁶ , GS60 ⁶	PCI	HPQ Tru64 UNIX: V4.0F ^{13, 14} , V4.0G ^{14, 15}	HPQ KGPSA-CA (168794-B21) ⁵	FC-SW	N	See ¹
5	AlphaServer: DS10, DS20E, DS25, ES40, ES45 ⁶ , GS160 ⁶ , GS320 ⁶ , GS80 ⁶	PCI	HPQ Tru64 UNIX: V5.1A ^{3, 8} , V5.1B–1 ³ , V5.1B ^{3, 4}	HPQ FCA2384 (LP9802) ¹⁶	FC-SW	Y	See ¹
6	AlphaServer DS20L	PCI	HPQ Tru64 UNIX: V5.1A ^{3, 8} , V5.1B–1 ³ , V5.1B ^{3, 4}	HPQ KGPSA-CA (168794-B21) ⁵	FC-SW	Y ²	See ¹
7	AlphaServer: DS25, ES45 ⁶	PCI	HPQ Tru64 UNIX: V5.1A ^{3, 8} , V5.1B–1 ³ , V5.1B ^{3, 4}	HPQ: FCA2354 (LP9002) ⁵ , KGPSA-CA (168794-B21) ⁵ , KGPSA-DA (261329-B21) ⁵	FC-SW	Y ²	See ¹
8	AlphaServer: DS10, DS10L, DS20, DS20E, ES40, GS160 ⁶ , GS320 ⁶ , GS80 ⁶	PCI	HPQ Tru64 UNIX: V5.1A ^{3, 8} , V5.1B–1 ³ , V5.1B ^{3, 4}	HPQ: FCA2354 (LP9002) ⁵ , KGPSA-DA (261329-B21) ⁵	FC-SW	Y ²	See ¹
9	AlphaServer: 1200 ⁶ , 4000 ⁶ , 4100 ⁶ , 8200 ⁶ , 8400 ⁶ , DS10L, DS10 ⁶ , DS20E, DS20 ⁶ , ES40 ⁶ , GS140 ⁶ , GS60 ⁶	PCI	HPQ Tru64 UNIX: V5.1A ^{3, 8} , V5.1B–1 ³ , V5.1B ^{3, 4} , V5.13, 9	HPQ KGPSA-BC (380574-001) ⁷	FC-SW	N	See ¹
10	AlphaServer: 1200 ⁶ , 4000 ⁶ , 4100 ⁶ , 8200 ⁶ , 8400 ⁶ , DS10L, DS10 ⁶ , DS20E, DS20 ⁶ , ES40 ⁶ , GS140 ⁶ , GS160 ⁶ , GS320 ⁶ , GS60 ⁶ , GS80 ⁶	PCI	HPQ Tru64 UNIX: V5.1A ^{3, 8} , V5.1B–1 ³ , V5.1B ^{3, 4} , V5.13, 9	HPQ KGPSA-CA (168794-B21) ⁵	FC-SW	Y ²	See ¹
11	AlphaServer: ES47, ES80, GS1280	PCI	HPQ Tru64 UNIX: V5.1B–1 ³ , V5.1B ^{3, 4, 10}	HPQ FCA2384 (LP9802) ¹⁶	FC-SW	Y	See ¹
12	AlphaServer: ES47, ES80, GS1280	PCI	HPQ Tru64 UNIX: V5.1B–1 ³ , V5.1B ^{3, 4, 10}	HPQ: FCA2354 (LP9002) ⁵ , KGPSA-DA (261329-B21) ⁵	FC-SW	Y ²	See ¹

1. Requires Fibre Channel switch. Refer to Fibre Channel Connectivity – HPQ sections for connectivity details.
2. Minimum AlphaServer SRM console firmware V6.0 required for boot device support.
3. V5.x: 255 LUNs/Symmetrix Fibre director port (LUNs 000–0FE valid) on Symmetrix DMX Series, requires OVMS director bit setting, LUN 000 must be mapped to a Symmetrix device, the LUN 000 device can be used as a normal disk device by the Tru64 host.
4. Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003–20030929).
5. Firmware Version 3.91A1.
6. Latest qualified Alpha Systems firmware is V6.5.
7. Firmware Version 3.20x7.

8. Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).
9. Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).
10. AlphaServer GS1280,ES80,ES47: Minimum Tru64 V5.1B with Patch Kit 1 (T64V51BB1AS0001-20021229)
11. Requires RPK
12. AlphaServer SC systems have special Tru64 UNIX operating system and AlphaServer SC System Software requirements.
13. Tru64 V4.0F BL13 Patch Kit 2 may introduce problems with KZPBA adapters. Tru64 V4.0F latest qualified Patch Kit 8 (DUV40FB22AS0008-20030730).
14. V4.0F, V4.0G: 8 LUNs/Symmetrix Fibre director port (LUNs 000-007 valid).
15. Tru64 V4.0G latest qualified Patch Kit 4 (T64V40GB22AS0004-20030731).
16. Firmware Version 1.00X6.

IBM AIX Bull

Bull - IBM AIX						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Escala: PL1600R, PL3200R	PCI	IBM AIX 5.1 ²	Bull: DCCG147-0000 ¹ , DCCG148-0000 ¹ , DCCG154-0000	FC-AL, FC-SW	N
2	Escala: EPC1200A, EPC2400, EPC2450, EPC610, EPC810, PL220T, PL400R, PL400T, PL600R, PL600T, PL800R, RL470, T610	PCI	IBM AIX: 4.3.3, 5.1 ² , 5.2	Bull DCCG148-0000 ¹	FC-AL, FC-SW	N
3	Escala: E230, E250, EPC430, EPC450, T430, T450	PCI	IBM AIX: 4.3.3, 5.1 ³ , 5.2	Bull DCCG148-0000 ¹	FC-AL, FC-SW	N
4	Escala: PL1600R, PL3200R, PL820R	PCI	IBM AIX: 5.1 ² , 5.2	Bull DCCG155-0000	FC-AL, FC-SW	N

1. Fibre Channel device driver distributed and supported by Bull.
2. AIX 5.1 32/64-bit kernel support.
3. AIX 5.1 supported only with 32-bit kernel.

IBM

IBM - IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	PCI	IBM AIX 5.1 ^{37, 38}	IBM 6227 ^{11, 12, 13}	FC-AL	N	See ^{1, 2}
2	7013-S70 as SP2 node	PCI	IBM AIX 5.1 ^{37, 38}	IBM 6227 ^{12, 13}	FC-AL	N	See ^{1, 2}
3	p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 5.2 ⁷	IBM 6227 ^{11, 12, 13}	FC-AL	Y ^{4, 5, 6, 9, 14, 15}	See ^{1, 2}
4	p660 7026-6M1	PCI	IBM AIX 5.2 ⁷	IBM 6227 ^{11, 12, 13}	FC-AL	Y ^{4, 5, 6, 9, 14, 20}	See ^{1, 2}
5	p660: 7026-6H0, 7026-6H1	PCI	IBM AIX 5.2 ⁷	IBM 6227 ^{11, 12, 13}	FC-AL	Y ^{4, 5, 6, 9, 14, 19}	See ^{1, 2}
6	p680 7017-S85	PCI	IBM AIX 5.2 ⁷	IBM 6227 ^{11, 12, 13}	FC-AL	Y ^{4, 5, 6, 9, 14, 16}	See ^{1, 2}
7	7013-S7A; 7013-S7A as SP2 node; 7015-S7A; 7015-S7A as SP2 node; 7017-S7A; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7025-F50; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ³⁴ , 07 55X ³⁴ , 08 T70 ³⁴ ; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node; p680 7017-S85 as SP2 node ³²	PCI	IBM AIX 4.3.3 ²⁶	IBM 6228 ^{8, 12, 27, 30, 31}	FC-AL, FC-SW	N	See ^{1, 2}
8	p660 7026-6M1 as SP2 node	PCI	IBM AIX 4.3.3 ²⁶	IBM 6228 ^{8, 12, 30, 31}	FC-AL, FC-SW	N	See ^{1, 2}
9	7017-S80 ³² ; p680 7017-S85 ³²	PCI	IBM AIX 4.3.3 ²⁶	IBM 6228 ^{8, 9, 12, 27, 30, 31}	FC-AL, FC-SW	Y ^{4, 9, 14, 16, 22, 23, 24, 25}	See ^{1, 2}
10	7025-F80; p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 4.3.3 ²⁶	IBM 6228 ^{8, 9, 12, 27, 30, 31}	FC-AL, FC-SW	Y ^{4, 9, 14, 15, 22, 23, 24, 25}	See ^{1, 2}
11	7025-H70; 7026-H70	PCI	IBM AIX 4.3.3 ²⁶	IBM 6228 ^{8, 9, 12, 27, 30, 31}	FC-AL, FC-SW	Y ^{4, 9, 14, 22, 23, 24, 25, 28}	See ^{1, 2}
12	7026-H50	PCI	IBM AIX 4.3.3 ²⁶	IBM 6228 ^{8, 9, 12, 27, 30, 31}	FC-AL, FC-SW	Y ^{4, 9, 14, 22, 23, 24, 25, 29}	See ^{1, 2}
13	7026-H80; p660: 7026-6H0, 7026-6H1	PCI	IBM AIX 4.3.3 ²⁶	IBM 6228 ^{8, 9, 12, 27, 30, 31}	FC-AL, FC-SW	Y ^{4, 9, 14, 19, 22, 23, 24, 25}	See ^{1, 2}
14	7026-M80	PCI	IBM AIX 4.3.3 ²⁶	IBM 6228 ^{8, 9, 12, 27, 30, 31}	FC-AL, FC-SW	Y ^{4, 9, 14, 20, 22, 23, 24, 25}	See ^{1, 2}
15	7044-170; 7044-270	PCI	IBM AIX 4.3.3 ²⁶	IBM 6228 ^{8, 9, 12, 27, 30, 31}	FC-AL, FC-SW	Y ^{4, 9, 14, 21, 22, 23, 24, 25}	See ^{1, 2}
16	p610: 7028-6C1, 7028-6E1	PCI	IBM AIX 4.3.3 ²⁶	IBM 6228 ^{8, 9, 12, 27, 30, 31}	FC-AL, FC-SW	Y ^{4, 9, 14, 22, 23, 24, 25, 41}	See ^{1, 2}
17	p640 7026-B80	PCI	IBM AIX 4.3.3 ²⁶	IBM 6228 ^{8, 9, 12, 27, 30, 31}	FC-AL, FC-SW	Y ^{4, 9, 14, 17, 22, 23, 24, 25}	See ^{1, 2}
18	p660 7026-6M1	PCI	IBM AIX 4.3.3 ²⁶	IBM 6228 ^{8, 9, 12, 30, 31}	FC-AL, FC-SW	Y ^{4, 9, 14, 20, 22, 23, 24, 25}	See ^{1, 2}
19	p690: 7040-61D, 7040-61R	PCI	IBM AIX 5.1 ^{37, 38}	IBM 6228 ⁸	FC-AL, FC-SW	Y ^{3, 4, 23, 24, 35, 36}	See ^{1, 2}

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
20	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ³⁴ , 07 55X ³⁴ , 08 T70 ³⁴ ; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	PCI	IBM AIX 5.1 ^{37, 38}	IBM 6228 ^{8, 11, 12}	FC-AL, FC-SW	N	See ^{1, 2}
21	p670 7040-671; p690 7040-W42	PCI	IBM AIX 5.1 ^{37, 38}	IBM 6228 ^{8, 9}	FC-AL, FC-SW	Y ^{4, 9, 23, 24, 35, 36}	See ^{1, 2}
22	p690 7040-681	PCI	IBM AIX 5.1 ^{37, 38}	IBM 6228 ^{8, 9}	FC-AL, FC-SW	Y ^{4, 9, 10, 36, 42, 43}	See ^{1, 2}
23	p610 7028-6C1	PCI	IBM AIX 5.1 ^{37, 38}	IBM 6228 ^{8, 9, 11, 12}	FC-AL, FC-SW	Y ^{4, 9, 14, 23, 24, 35, 36, 41}	See ^{1, 2}
24	p610 7028-6E1	PCI	IBM AIX 5.1 ^{37, 38}	IBM 6228 ^{8, 9, 11, 12, 27}	FC-AL, FC-SW	Y ^{4, 9, 14, 23, 24, 35, 36, 41}	See ^{1, 2}
25	p630: 7028-6C4, 7028-6E4	PCI	IBM AIX 5.1 ^{37, 38}	IBM 6228 ^{8, 9, 11, 12, 27}	FC-AL, FC-SW	Y ^{4, 9, 23, 24, 35, 36, 44}	See ^{1, 2}
26	p660 7026-6M1	PCI	IBM AIX 5.1 ^{37, 38}	IBM: 6227 ^{11, 12, 13, 27} , 6228 ^{8, 9, 11, 12, 27}	FC-AL, FC-SW	Y ^{4, 9, 14, 20, 23, 24, 35, 36}	See ^{1, 2}
27	7017-S80; p680 7017-S85	PCI	IBM AIX 5.1 ^{37, 38}	IBM: 6227 ^{11, 12, 13, 39} , 6228 ^{8, 9, 11, 12, 39}	FC-AL, FC-SW	Y ^{4, 9, 14, 16, 23, 24, 35, 36}	See ^{1, 2}
28	7025-F80; p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 5.1 ^{37, 38}	IBM: 6227 ^{11, 12, 13, 39} , 6228 ^{8, 9, 11, 12, 39}	FC-AL, FC-SW	Y ^{4, 9, 14, 15, 23, 24, 35, 36}	See ^{1, 2}
29	7025-H70	PCI	IBM AIX 5.1 ^{37, 38}	IBM: 6227 ^{11, 12, 13, 39} , 6228 ^{8, 9, 11, 12, 39}	FC-AL, FC-SW	Y ^{4, 9, 14, 23, 24, 28, 35, 36}	See ^{1, 2}
30	7026-H50	PCI	IBM AIX 5.1 ^{37, 38}	IBM: 6227 ^{11, 12, 13, 39} , 6228 ^{8, 9, 11, 12, 39}	FC-AL, FC-SW	Y ^{4, 9, 14, 23, 24, 29, 35, 36}	See ^{1, 2}
31	7026-H70	PCI	IBM AIX 5.1 ^{37, 38}	IBM: 6227 ^{11, 12, 13, 39} , 6228 ^{8, 9, 11, 12, 39}	FC-AL, FC-SW	Y ^{4, 9, 14, 23, 24, 28, 35, 36, 40}	See ^{1, 2}
32	7026-M80	PCI	IBM AIX 5.1 ^{37, 38}	IBM: 6227 ^{11, 12, 13, 39} , 6228 ^{8, 9, 11, 12, 39}	FC-AL, FC-SW	Y ^{4, 9, 14, 20, 23, 24, 35, 36}	See ^{1, 2}
33	7044-170; 7044-270	PCI	IBM AIX 5.1 ^{37, 38}	IBM: 6227 ^{11, 12, 13, 39} , 6228 ^{8, 9, 11, 12, 39}	FC-AL, FC-SW	Y ^{4, 9, 14, 21, 23, 24, 35, 36}	See ^{1, 2}
34	p640 7026-B80	PCI	IBM AIX 5.1 ^{37, 38}	IBM: 6227 ^{11, 12, 13, 39} , 6228 ^{8, 9, 11, 12, 39}	FC-AL, FC-SW	Y ^{4, 9, 14, 17, 23, 24, 35, 36}	See ^{1, 2}
35	p660 7026-6H0	PCI	IBM AIX 5.1 ^{37, 38}	IBM: 6227 ^{11, 12, 13, 39} , 6228 ^{8, 9, 11, 12, 39}	FC-AL, FC-SW	Y ^{4, 9, 14, 19, 23, 24, 35, 36}	See ^{1, 2}
36	p660 7026-6H1	PCI	IBM AIX 5.1 ^{37, 38}	IBM: 6227 ^{11, 12, 13, 39} , 6228 ^{8, 9, 11, 12, 39}	FC-AL, FC-SW	Y ^{4, 9, 14, 19, 23, 24, 35, 36, 40}	See ^{1, 2}
37	7026-H80	PCI	IBM AIX 5.1 ^{37, 38}	IBM: 6227 ^{11, 13, 39} , 6228 ^{8, 9, 11, 39}	FC-AL, FC-SW	Y ^{4, 9, 14, 19, 23, 24, 35, 36}	See ^{1, 2}
38	p650 7038-6M2	PCI	IBM AIX 5.1 ^{37, 38, 45}	IBM 6228 ^{8, 9, 11, 12}	FC-AL, FC-SW	Y ^{4, 9, 23, 24, 36, 46}	See ^{1, 2}
39	p655 7039-651	PCI	IBM AIX 5.1 ^{37, 38, 45}	IBM 6228 ^{8, 9, 11, 12}	FC-AL, FC-SW	Y ^{4, 9, 36}	See ^{1, 2}
40	7017-S80; 7025-F80; 7025-H70; 7026-H50; 7026-H70; 7026-M80; 7044-170; 7044-270	PCI	IBM AIX 5.2 ²⁷	IBM: 6227 ^{11, 12, 13, 39} , 6228 ^{8, 11, 12, 39}	FC-AL, FC-SW	N	See ^{1, 2}
41	7026-H80	PCI	IBM AIX 5.2 ²⁷	IBM: 6227 ^{11, 13, 39} , 6228 ^{8, 11, 39}	FC-AL, FC-SW	N	See ^{1, 2}
42	p690: 7040-61D, 7040-61R	PCI	IBM AIX 5.2 ²⁷	IBM 6228 ⁸	FC-AL, FC-SW	Y ^{3, 4, 5, 6}	See ^{1, 2}
43	p670 7040-671; p690 7040-W42	PCI	IBM AIX 5.2 ²⁷	IBM 6228 ^{8, 9}	FC-AL, FC-SW	Y ^{4, 5, 6, 9}	See ^{1, 2}
44	p690 7040-681	PCI	IBM AIX 5.2 ²⁷	IBM 6228 ^{8, 9}	FC-AL, FC-SW	Y ^{4, 5, 6, 9, 10}	See ^{1, 2}
45	p610: 7028-6C1, 7028-6E1	PCI	IBM AIX 5.2 ²⁷	IBM 6228 ^{8, 9, 11, 12}	FC-AL, FC-SW	Y ^{4, 5, 6, 9, 14, 41}	See ^{1, 2}
46	p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 5.2 ²⁷	IBM 6228 ^{8, 9, 11, 12}	FC-AL, FC-SW	Y ^{4, 5, 6, 9, 14, 15}	See ^{1, 2}
47	p630: 7028-6C4, 7028-6E4	PCI	IBM AIX 5.2 ²⁷	IBM 6228 ^{8, 9, 11, 12}	FC-AL, FC-SW	Y ^{4, 5, 6, 9, 10}	See ^{1, 2}
48	p640 7026-B80	PCI	IBM AIX 5.2 ²⁷	IBM 6228 ^{8, 9, 11, 12}	FC-AL, FC-SW	Y ^{4, 5, 6, 9, 14, 17}	See ^{1, 2}
49	p650 7038-6M2	PCI	IBM AIX 5.2 ²⁷	IBM 6228 ^{8, 9, 11, 12}	FC-AL, FC-SW	Y ^{4, 5, 6, 9, 47}	See ^{1, 2}
50	p655 7039-651	PCI	IBM AIX 5.2 ²⁷	IBM 6228 ^{8, 9, 11, 12}	FC-AL, FC-SW	Y ^{4, 5, 6, 9}	See ^{1, 2}
51	p660 7026-6M1	PCI	IBM AIX 5.2 ²⁷	IBM 6228 ^{8, 9, 11, 12}	FC-AL, FC-SW	Y ^{4, 5, 6, 9, 14, 20}	See ^{1, 2}
52	p660: 7026-6H0, 7026-6H1	PCI	IBM AIX 5.2 ²⁷	IBM 6228 ^{8, 9, 11, 12}	FC-AL, FC-SW	Y ^{4, 5, 6, 9, 14, 19}	See ^{1, 2}
53	p680 7017-S85	PCI	IBM AIX 5.2 ²⁷	IBM 6228 ^{8, 9, 11, 12}	FC-AL, FC-SW	Y ^{4, 5, 6, 9, 14, 16}	See ^{1, 2}
54	p650 7038-6M2; p655 7039-651	PCI	IBM AIX: 5.1 ^{37, 38, 45} , 5.2 ²⁷	IBM 6239 ⁴⁹	FC-AL, FC-SW	Y	
55	7013-S70; 7015-S70; 7017-S70	PCI	IBM AIX: 5.1 ^{37, 38} , 5.2 ²⁷	IBM 6227 ^{11, 12, 13, 39}	FC-AL, FC-SW	N	See ^{1, 2}
56	7044-170; 7044-270	PCI	IBM AIX: 5.1 ^{37, 38} , 5.2 ²⁷	IBM 6239 ⁴⁹	FC-AL, FC-SW	Y	

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
57	7013-S7A; 7015-S7A; 7017-S7A	PCI	IBM AIX: 5.1 ^{37, 38} , 5.2 ²⁷	IBM: 6227 ^{11, 12, 13, 39} , 6228 ⁸ , 11, 12, 39	FC-AL, FC-SW	N	See ^{1, 2}
58	7025-F50	PCI	IBM AIX: 5.1 ^{37, 38} , 5.2 ²⁷	IBM: 6227 ^{11, 13, 39} , 6228 ^{8, 11} , 39	FC-AL, FC-SW	N	See ^{1, 2}
59	p610: 7028-6C1, 7028-6E1; p620: 7025-6F0, 7025-6F1; p630: 7028-6C4, 7028-6E4; p640 7026-B80; p660: 7026-6H0, 7026-6H1, 7026-6M1; p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681	PCI	IBM AIX: 5.1 ^{37, 38} , 5.2 ²⁷	IBM 6239 ⁴⁹	FC-AL, FC-SW	Y	
60	p615: 7029-6C3, 7029-6E3	PCI	IBM AIX: 5.1 ⁴⁸ , 5.2 ⁵⁰	IBM 6239 ^{12, 49}	FC-AL, FC-SW	Y	
61	p660 7026-6M1 as SP2 node	PCI	IBM AIX 4.3.3 ²⁶	IBM 6227 ^{12, 13}	FC-AL ¹ FC-SW ²	N	See ^{1, 2}
62	7013-S70; 7013-S70 as SP2 node; 7013-S7A; 7013-S7A as SP2 node; 7015-S70; 7015-S70 as SP2 node; 7015-S7A; 7015-S7A as SP2 node; 7017-S70; 7017-S70 as SP2 node; 7017-S7A; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7025-F50; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node; p680 7017-S85 as SP2 node	PCI	IBM AIX 4.3.3 ²⁶	IBM 6227 ^{12, 13, 27}	FC-AL ¹ FC-SW ²	N	See ^{1, 2}
63	7017-S80; p680 7017-S85	PCI	IBM AIX 4.3.3 ²⁶	IBM 6227 ^{12, 13, 27}	FC-AL ¹ FC-SW ²	Y ^{4, 9, 14, 16, 22, 23, 24, 25}	See ^{1, 2}
64	7025-F80; p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 4.3.3 ²⁶	IBM 6227 ^{12, 13, 27}	FC-AL ¹ FC-SW ²	Y ^{4, 9, 14, 15, 22, 23, 24, 25}	See ^{1, 2}
65	7025-H70; 7026-H70	PCI	IBM AIX 4.3.3 ²⁶	IBM 6227 ^{12, 13, 27}	FC-AL ¹ FC-SW ²	Y ^{4, 9, 14, 22, 23, 24, 25, 28}	See ^{1, 2}
66	7026-H50	PCI	IBM AIX 4.3.3 ²⁶	IBM 6227 ^{12, 13, 27}	FC-AL ¹ FC-SW ²	Y ^{4, 9, 14, 22, 23, 24, 25, 29}	See ^{1, 2}
67	7026-H80; p660: 7026-6H0, 7026-6H1	PCI	IBM AIX 4.3.3 ²⁶	IBM 6227 ^{12, 13, 27}	FC-AL ¹ FC-SW ²	Y ^{4, 9, 14, 19, 22, 23, 24, 25}	See ^{1, 2}
68	7026-M80; p660 7026-6M1	PCI	IBM AIX 4.3.3 ²⁶	IBM 6227 ^{12, 13, 27}	FC-AL ¹ FC-SW ²	Y ^{4, 9, 14, 20, 22, 23, 24, 25}	See ^{1, 2}
69	7044-170; 7044-270	PCI	IBM AIX 4.3.3 ²⁶	IBM 6227 ^{12, 13, 27}	FC-AL ¹ FC-SW ²	Y ^{4, 9, 14, 21, 22, 23, 24, 25}	See ^{1, 2}
70	p640 7026-B80	PCI	IBM AIX 4.3.3 ²⁶	IBM 6227 ^{12, 13, 27}	FC-AL ¹ FC-SW ²	Y ^{4, 9, 14, 17, 22, 23, 24, 25}	See ^{1, 2}
71	SP2 9076 +: 06 50X ³⁴ , 07 55X ³⁴ , 08 T70 ³⁴	PCI	IBM AIX 4.3.3 ²⁶	IBM 6227 ^{12, 13, 27, 33}	FC-AL ¹ FC-SW ²	N	See ^{1, 2}
72	SP2 9076 +: 02 XX1 ³⁴ , 05 XX9 ³⁴	MCA	IBM AIX 5.2 ^{7, 27} , 51, 52, 53	IBM: 6227 ^{11, 12, 39} , 6228 ¹¹ , 12, 39, 51, 54	FC-AL ¹⁸ FC-SW ¹⁸	N	
73	SP2 9076 +: 06 50X ³⁴ , 07 55X ³⁴ , 08 T70 ³⁴	PCI	IBM AIX 5.1 ^{37, 38}	IBM 6227 ^{11, 12, 13}	FC-AL ¹⁸ FC-SW ¹⁸	N	See ^{1, 2}
74	p640 7026-B80	PCI	IBM AIX 5.2 ⁷	IBM 6227 ^{11, 12, 13}	FC-AL ¹⁸ FC-SW ¹⁸	Y ^{4, 5, 6, 9, 14, 17}	See ^{1, 2}
75	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node; p690: 7040-61D as an SP node, 7040-61R as an SP node, 7040-681 as an SP node	PCI	IBM AIX 5.2 ^{7, 27} , 51, 52, 53	IBM 6227 ^{11, 12, 39}	FC-AL ¹⁸ FC-SW ¹⁸	N	
76	670 7040-671 as an SP node; 7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ³⁴ , 07 55X ³⁴ , 08 T70 ³⁴	PCI	IBM AIX 5.2 ^{7, 27} , 51, 52, 53	IBM: 6227 ^{11, 12, 39} , 6228 ¹¹ , 12, 39, 51, 54	FC-AL ¹⁸ FC-SW ¹⁸	N	

- Requires minimum AIX APAR IY05369. Requires minimum EMC ODM fileset support (4.3.3.0 IBM Fibre Channel interface support for Symmetrix). Supported adapter firmware, 3.22A1.
- Requires minimum AIX APAR IY08960, IY03872. Requires minimum EMC ODM fileset support (4.3.3.1 IBM Fibre Channel interface support for Symmetrix). Supported adapter firmware, 3.22A1.
- Minimum microcode levels RH0 20413 dated 05/22/2002 or later.
- Obtain the EMC Symmetrix and AIX Fibre boot document from avtar.eng.emc.com for installation and configuration instructions.
- Minimum Powerpath version 3.0.3 is supported.
- Fibre boot when used under AIX 5.2 requires APAR IY41028 which can be obtained from IBM at <https://techsupport.services.ibm.com/server/fixes?view=pSeries>.
- AIX 5.2 32/64 bit kernel supported. Requires Minimum EMC ODM fileset support 5.0.0.0.
- Firmware Version 3.82A1. Minimum supported level.
- For all PCI-based hosts only: see HBA placement guidelines in the IBM document PCI Adapter Placement Reference SA38-0538-6, available at http://www-1.ibm.com/servers/eserver/pseries/library/hardware_docs/sa38/380538.pdf
- System/Service processor combined microcode Version RH020413 dated 05/22/2002 or later.
- Requires minimum ODM fileset support (5.0.0.0 EMC Symmetrix Fibre Channel support software).
- IBM Native Fibre Channel drivers with feature code 6227 and with feature code 6228 are supported on the same server. Feature 6228 and 6239 are supported on the same server. Mixed FC-AL and FC-SW are supported on the same server. 6227 filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1000f7.te; 6228 filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1000f9.diag, devices.pci.df1000f9.te; 6239 filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1080f9.diag, devices.pci.df1080f9.rte
Firmware Version 3.22A1. Minimum supported level.
- For minimum Symmetrix microcode for booting over Fibre Channel, Minimum microcode levels for booting over Fibre Channel: 5266.34, 5566.36, 5267.16, 5567.23, 5268.11, 5568.36. For minimum Symmetrix microcode for PowerPath support, Minimum microcode levels for PowerPath boot support: 5266.43, 5566.45, 5267.35, 5567.42, 5268.11, 5568.36.
- System microcode CL020407 or later.
- System/Service processor combined microcode Version 20020920 dated 11/19/2002 or later.
- System/Service processor combined microcode Version NAN02066/SC020308 dated 03/29/2002 or later.
- FC-SW and FC-AL are supported on the same server.
- System microcode CM020407 or later.

20. System microcode MM020407 or later.
21. System/Service processor combined microcode Version SPH02254/sh020307 dated 11/20/2002 or later.
22. AIX 4.3.3 ML9, APAR IY22024
23. Minimum PowerPath version 3.0.0. For PowerPath patches 3.0.x, the bootfix.sh script is required for boot support. See the EMC Primus case ID emc58038 for more details and the PowerPath Release Notes for installation.
24. Booting from a PowerPath device is supported with FC-SW topology only.
25. Fibre boot when used under AIX 4.3 requires APAR IY42989 which can be obtained from IBM at <https://techsupport.services.ibm.com/server/fixes?view=pSeries>.
26. Requires minimum EMC ODM fileset support (4.3.3.1 IBM Fibre Channel interface support for Symmetrix).
27. For all PCI-based hosts only: See http://www-1.ibm.com/servers/eserver/pseries/library/hardware_docs/sa38/380538.pdf for appropriate HBA placement guidelines.
28. System/Service processor combined microcode Version SST01256/SS010614 dated 10/23/2001 or later.
29. System/Service processor combined microcode Version L02113/ag010611 or later.
30. Requires minimum AIX 4.3.3 with maintenance level 08.
31. Requires minimum EMC ODM fileset support (4.3.3.1 IBM Fibre Channel interface support for Symmetrix). Device driver df1000f9 is distributed by IBM.
32. Mixed FC-AL and FC-SW are supported on the same server.
33. The Following feature codes are supported: 2054: Power 3 High Node 2055: SP expansion I/O 2056: 375 MHz Power 3 thin node 2058: 375 MHz Power 3 high node.
34. The following link provides detailed data for all 9076-SP2 models and feature codes: http://www1.ibm.com/cgi-bin/master?request=salesmanual&parms=SMS&h=NTZH*daEMSRi4n1USenGnN9332&xhi=usa.main%7Csalesmanual%5E&type=D&search=9076&title=T&product
35. AIX 5.1 ML1, APAR IY21957
36. Fibre boot when used under AIX 5.1 requires APAR IY40885 which can be obtained from IBM at <https://techsupport.services.ibm.com/server/fixes?view=pSeries>.
37. AIX 5.1 only supported with 32-bit kernel. Requires minimum EMC ODM fileset support 5.0.0.0.
38. AIX 5.1 32/64 bit Kernel supported. Requires minimum EMC ODM fileset support 5.0.0.0.
39. See http://www.rs6000.ibm.com/resource/hardware_docs/sa38-0538/380538.pdf for appropriate HBA placement guidelines
40. AIX 5.1 supported with 32/64-bit kernel. Requires minimum EMC ODM fileset support 5.0.0.0.
41. System/Service processor combined microcode Version CLT02066/ct020307 dated 04/04/2002 or later.
42. Minimum Powerpath version 3.0.2. For Powerpath patches 3.0.x, the bootfix.sh script is required for boot support. See the EMC Primus case ID emc58038 for more details and the PowerPath Release Notes for installation
43. AIX 5.1 ML1, APAR IY21957 or higher.
44. System/Service processor combined microcode Version RR020822 dated 09/19/2002 or later.
45. Requires minimum AIX5.1 with maintenance level 03 APAR IY32749.
46. System/Service processor combined microcode Version RK021120 dated 12/11/2002 or later.
47. System/Service processor combined microcode Version RK030206 dated 03/31/2003 or later.
48. Requires AIX 5.1 with minimum maintenance level 04 APAR IY44478.
49. Firmware Version 1.00X5. Minimum supported level.
50. Requires AIX 5.2 with minimum maintenance level 01 APAR IY44479.
51. **Requires CLArrayS3.5.2.0.7**
52. **AIX 5.2 requires Operating System APAR# IY36782, IY37744 and IY37746 for support with HACMP and HACMP/ES version 4.5 and PSSP 3.5.**
53. **Requires AIX APAR IY48995**
54. **IBM 6227 and 6228 adapters are supported on the same server. Mixed FC-AL and FC-SW are supported on the same server.**

IBM MVS/ESA

IBM

IBM – IBM MVS/ESA							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM MVS/ESA 5.1	IBM ESCON	ESCON	N	See ¹
2	S/390 parallel Enterprise Servers (G5 series) 9672-Rxx	Mainframe Bus	IBM MVS/ESA 5.1	IBM ESCON	ESCON	N	

1. SuSE Linux AG kernel 2.2 / 2.4, TurboLinux kernel 2.2 / 2.4, and Red Hat kernel 2.2 / 2.4: support for Linux on Symmetrix is limited to basic I/O operations only. Control of Symmetrix features (i.e., SRDF, TF, Config Mgr) is not supported at this time. Linux is supported both in an LPAR and as a guest under VM/ESA.

IBM OS/390

Amdahl

Amdahl – IBM OS/390							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	
1	Millennium: GS2000A, GS2000C, GS2000E, GS700	Mainframe Bus	IBM OS/390: 2.10, 2.6, 2.7.0, 2.8, 2.9.0	IBM ESCON	ESCON	N	

IBM

IBM – IBM OS/390							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	S/390 parallel Enterprise Servers (G5 series) 9672-Rxx	Mainframe Bus	IBM OS/390 1.1	IBM ESCON	ESCON	N	
2	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM OS/390 2.8	IBM ESCON	ESCON	N	See ¹
3	Multiprise 3000	Mainframe Bus	IBM OS/390: 1.1, 2.6	IBM ESCON	ESCON	N	See ¹
4	S/390 parallel Enterprise Servers (G5 series) 9672-Rxx	Mainframe Bus	IBM OS/390: 2.10, 2.6, 2.7.0, 2.8, 2.9.0	IBM ESCON	ESCON	N	See ¹
5	z/series: z800-2066, z900-2064	Mainframe Bus	IBM OS/390: 2.10, 2.6, 2.8, 2.9.0	IBM ESCON	ESCON	N	
6	Multiprise 3000	Mainframe Bus	IBM OS/390: 2.10, 2.7.0, 2.8, 2.9.0	IBM ESCON	ESCON	N	

1. SuSE Linux AG kernel 2.2 / 2.4, TurboLinux kernel 2.2 / 2.4, and Red Hat kernel 2.2 / 2.4: support for Linux on Symmetrix is limited to basic I/O operations only. Control of Symmetrix features (i.e., SRDF, TF, Config Mgr) is not supported at this time. Linux is supported both in an LPAR and as a guest under VM/ESA.

IBM OS/400

IBM

IBM – IBM OS/400							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	
1	AS/400 9406: 800, 810, 825, 870	PCI	IBM OS/400 V5R2 ^{1, 2, 3, 4, 5, 6}	IBM: 2766, 2787	FC-SW	Y	
2	AS/400 9406 890	PCI	IBM OS/400: V5R1 ^{1, 2, 3, 4, 5, 6} , V5R2 ^{1, 2, 3, 4, 5, 6}	IBM: 2766, 2787	FC-SW	Y	
3	AS/400 9406: 270, 820, 830, 840	PCI	IBM OS/400: V5R1 ^{1, 2, 3, 4} , V5R2 ^{1, 2, 3, 4}	IBM 2766	FC-SW	Y	

1. Symmetrix DMX series are supported only on V5R2 and require the use of the LSE-FHDA for software.
2. 8HDA and FHDA are the only load compatible Load Source Extenders (LSE)
3. Minimum Engenuity Version 5568.56.22 or later can support 1Gb or 2Gb mode using DP3-FCD4 or DP3-FCD42G. V5R2 is required for OS/400 for 2Gb support.
4. CopyPoint, TimeFinder, and RDF fail-over require 5568 patch 21139, 5670 requires patch 21139 (rev 5)
5. Can NOT use NEW RAID (PCI-X) controller (source) in fail over AND/OR CopyPoint to an old controller (PCI) target. New to new is supported and old to new is supported.
6. FC-HBA #2787 is supported V5R2 or higher

IBM TPF

IBM

IBM – IBM TPF						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM TPF 4.1	IBM ESCON	ESCON ¹	N
2	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM TPF 4.1	IBM FICON	FICON ²	N

- (in 3990–6 and 2105 mode) at 5670 GA
- (in 2105 mode) at 5670 GA

IBM VM/ESA

Amdahl

Amdahl – IBM VM/ESA						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Millennium: GS2000A, GS2000C, GS2000E, GS700	Mainframe Bus	IBM VM/ESA: 2.2.0, 2.3, 2.4.0	IBM ESCON	ESCON	N

IBM

IBM – IBM VM/ESA							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM VM/ESA 1.2.2	IBM ESCON	ESCON	N	
2	Multiprise 3000; z/series z900–2064	Mainframe Bus	IBM VM/ESA 2.3	IBM ESCON	ESCON	N	
3	z/series z800–2066	Mainframe Bus	IBM VM/ESA: 1.2.2, 2.2.0, 2.3, 2.4.0	IBM ESCON	ESCON	N	See ¹
4	z/series z900–2064	Mainframe Bus	IBM VM/ESA: 1.2.2, 2.2.0, 2.4.0	IBM ESCON	ESCON	N	See ¹
5	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM VM/ESA: 1.2.2, 2.3	IBM ESCON	ESCON	N	See ¹
6	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM VM/ESA: 2.2.0, 2.4.0	IBM ESCON	ESCON	N	

- SuSE Linux AG kernel 2.2 / 2.4, TurboLinux kernel 2.2 / 2.4, and Red Hat kernel 2.2 / 2.4: support for Linux on Symmetrix is limited to basic I/O operations only. Control of Symmetrix features (i.e., SRDF, TF, Config Mgr) is not supported at this time. Linux is supported both in an LPAR and as a guest under VM/ESA.

IBM VSE/ESA

Amdahl

Amdahl – IBM VSE/ESA						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Millennium: GS2000A, GS2000C, GS2000E, GS700	Mainframe Bus	IBM VSE/ESA: 2.1.0, 2.2, 2.3.0, 2.4.0	IBM ESCON	ESCON	N

IBM

IBM – IBM VSE/ESA							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM VSE/ESA 1.4	IBM ESCON	ESCON	N	See ¹
2	z/series: z800–2066, z900–2064	Mainframe Bus	IBM VSE/ESA 2.7	IBM ESCON	ESCON	N	
3	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM VSE/ESA: 1.4, 2.2, 2.7	IBM ESCON	ESCON	N	See ¹
4	ES/9000: 9020, 9121, 9221	Mainframe Bus	IBM VSE/ESA: 2.1.0, 2.3.0, 2.4.0	IBM ESCON	ESCON	N	
5	Multiprise 3000	Mainframe Bus	IBM VSE/ESA: 2.2, 2.7	IBM ESCON	ESCON	N	See ¹

- SuSE Linux AG kernel 2.2 / 2.4, TurboLinux kernel 2.2 / 2.4, and Red Hat kernel 2.2 / 2.4: support for Linux on Symmetrix is limited to basic I/O operations only. Control of Symmetrix features (i.e., SRDF, TF, Config Mgr) is not supported at this time. Linux is supported both in an LPAR and as a guest under VM/ESA.

IBM z/OS

IBM

IBM – IBM z/OS						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx	Mainframe Bus	IBM z/OS	IBM ESCON	ESCON	N
2	z/series: z800–2066, z900–2064	Mainframe Bus	IBM: z/OS, z/OS 1.4	IBM ESCON	ESCON	N
3	z/series z990	Mainframe Bus	IBM z/OS	IBM ESCON	ESCON ¹	N
4	z/series z990	Mainframe Bus	IBM z/OS	IBM FICON	FICON ²	N

- Minimum supported microcode is 5669 and 5670 GA levels
- Minimum supported revision 5670 GA

IBM z/OS.e

IBM

IBM – IBM z/OS.e						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	z/series: z800–2066, z900–2064	Mainframe Bus	IBM z/OS.e 1.4	IBM ESCON	ESCON	N

IBM z/VM

IBM

IBM – IBM z/VM						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	S/390 parallel Enterprise Servers (G5 series) 9672–Rxx; z/series: z800–2066, z900–2064	Mainframe Bus	IBM z/VM	IBM ESCON	ESCON	N

Microsoft Windows 2000

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

Bull

Bull – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800: 320La-R ⁴ , 320La ⁴ , 320Lb-R ⁴ , 320Lb ⁴ , 330Ma-R ⁴ , 330Mb-R ⁴ , 340Ha-R ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP ² ¹ , SP ³ ¹	QLogic QLA2310F-E-SP ^{2, 3, 5}	FC-AL, FC-SW	N
2	Express 5800: 120Md, 120Rc-2, 140Hb, 140Ra-7, 140Ra4, 180Rb7, HX4600, MH4500	PCI	Microsoft Windows 2000 Advanced Server: SP ² ¹ , SP ³ ¹ , SP ⁴ ¹ ; Microsoft Windows 2000 Server: SP ² ¹ , SP ³ ¹ , SP ⁴ ¹	Emulex: LP10000-E ^{7, 16, 17} , LP10000DC-E ^{7, 16, 17} , LP1050-E ^{7, 17, 18} , LP1050DC-E ^{7, 17, 18} , LP8000-EMC ^{7, 10, 15} , LP850-EMC ^{6, 7, 10} , LP9002-E (LP9002L-E) ^{6, 7, 8, 9, 10, 14} , LP9002DC-E ^{6, 7, 8, 9, 10, 11} , LP9802-E ^{7, 8, 12, 13} , LP9802DC-E ^{7, 9, 12, 13} , LP982-E ^{7, 8, 12, 13} ; QLogic: QLA2310F-E-SP ^{3, 5, 9} , QLA2340-E-SP ^{3, 5, 9} , QLA2342-E-SP ^{3, 5, 9}	FC-AL, FC-SW	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. Qlogic SANSurfer/SANBlade Manager is not supported.
3. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
4. Bus Enumeration Issue Causes Problems using SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.
By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.
The workaround is to perform "symcfg discover" after rebooting.

5. Driver Version 8.2.3.21.
6. Firmware Version 3.90a7.
7. Driver Version 2.21a7.
8. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
9. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
10. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
11. Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

- NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.
12. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
 13. Firmware Version 1.01a2.
 14. The LP9002-E now ships with the LP9002L-E low profile adapter.
 15. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
 16. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
 17. Firmware Version 1.80a3.
 18. **Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

DG

DG – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	AViiON: AV1400 ⁸ , AV2300 ⁸ , AV2700 ⁸ , AV2800 ⁸ , AV3600 ⁸ , AV3700 ⁸ , AV3704R ⁸ , AV3800 ⁸ , AV8700 ⁸ , AV8900 ⁸ , AV8950R ⁸ , AV8950 ⁸	PCI	Microsoft Windows 2000 Advanced Server: SP ² ³ , SP ³ ³ , SP ⁴ ³ ; Microsoft Windows 2000 Server: SP ² ³ , SP ³ ³ , SP ⁴ ³	QLogic QLA2200F-EMC ^{11, 12}	FC-AL	Y
2	AViiON AV8950R ⁸	PCI	Microsoft Windows 2000 Advanced Server: SP ² ³ , SP ³ ³ , SP ⁴ ³ ; Microsoft Windows 2000 Server SP ² ³	Emulex: LP10000-E ^{9, 18, 19} , LP10000DC-E ^{9, 18, 19} , LP1050-E ^{9, 19, 20} , LP1050DC-E ^{9, 19, 20} , LP9802-E ^{9, 13, 14} , LP9802DC-E ^{1, 9, 13, 14}	FC-AL, FC-SW	Y
3	AViiON: AV1400 ⁸ , AV2800 ⁸ , AV3704R ⁸ , AV3800 ⁸ , AV8900 ⁸ , AV8950R ⁸ , AV8950 ⁸	PCI	Microsoft Windows 2000 Advanced Server: SP ² ³ , SP ³ ³ , SP ⁴ ³ ; Microsoft Windows 2000 Server: SP ² ³ , SP ³ ³ , SP ⁴ ³	Emulex: LP8000-EMC ^{6, 7, 9} , LP850-EMC ^{7, 9, 10}	FC-AL, FC-SW	Y
4	AViiON: AV2300 ⁸ , AV2700 ⁸ , AV3600 ⁸ , AV3700 ⁸ , AV8700 ⁸	PCI	Microsoft Windows 2000 Advanced Server: SP ² ³ , SP ³ ³ , SP ⁴ ³ ; Microsoft Windows 2000 Server: SP ² ³ , SP ³ ³ , SP ⁴ ³	Emulex: LP8000-EMC ^{6, 7, 9} , LP850-EMC ^{7, 9, 10} , LP9002-E (LP9002L-E) ^{1, 7, 9, 10, 15, 16} , LP9002DC-E ^{1, 7, 9, 10, 15, 17} , LP982-E ^{9, 13, 14}	FC-AL, FC-SW	Y
5	AViiON AV8600	PCI	Microsoft Windows 2000 Advanced Server: SP ² ³ , SP ³ ³ , SP ⁴ ³ ; Microsoft Windows 2000 Server: SP ² ³ , SP ³ ³ , SP ⁴ ³	Emulex: LP8000-EMC ^{6, 7, 9} , LP850-EMC ^{7, 9, 10} , LP9002-E (LP9002L-E) ^{1, 7, 9, 10, 15, 16} , LP9002DC-E ^{1, 7, 9, 10, 15, 17} , LP982-E ^{9, 13, 14} ; QLogic: QLA2310F-E-SP ^{1, 2, 4} , QLA2340-E-SP ^{1, 2, 4, 5} , QLA2342-E-SP ^{1, 2, 4, 5}	FC-AL, FC-SW	Y
6	AViiON AV3750	PCI	Microsoft Windows 2000 Advanced Server: SP ² ³ , SP ³ ³ , SP ⁴ ³ ; Microsoft Windows 2000 Server: SP ² ³ , SP ³ ³ , SP ⁴ ³	Emulex: LP8000-EMC ^{6, 7, 9} , LP850-EMC ^{7, 9, 10} , LP9002-E (LP9002L-E) ^{1, 7, 9, 10, 15, 16} , LP9002DC-E ^{1, 7, 9, 10, 15, 17} , LP982-E ^{9, 13, 14} ; QLogic: QLA2310F-E-SP ^{1, 2, 4} , QLA2340-E-SP ^{1, 2, 4} , QLA2342-E-SP ^{1, 2, 4}	FC-AL, FC-SW	Y

DG – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
7	AViiON AV8950R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Emulex: LP9002-E (LP9002L-E) ^{1, 7, 9, 10, 15, 16} , LP9002DC-E ^{1, 7, 9, 10, 15, 17} , LP982-E ^{9, 13, 14, 15} ; QLogic: QLA2310F-E-SP ^{1, 2, 4} , QLA2340-E-SP ^{1, 2, 4} , QLA2342-E-SP ^{1, 2, 4}	FC-AL, FC-SW	Y
8	AViiON AV8950	PCI	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Emulex: LP9002-E (LP9002L-E) ^{1, 7, 9, 10, 15, 16} , LP9002DC-E ^{1, 7, 9, 10, 15, 17} , LP982-E ^{9, 13, 14} ; QLogic: QLA2310F-E-SP ^{1, 2, 4} , QLA2340-E-SP ^{1, 2, 4, 5} , QLA2342-E-SP ^{1, 2, 4, 5}	FC-AL, FC-SW	Y
9	AViiON: AV1400, AV2800, AV3704R, AV3800, AV8900	PCI	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Emulex: LP9002-E (LP9002L-E) ^{1, 7, 9, 10, 15, 16} , LP9002DC-E ^{1, 7, 9, 10, 15, 17} , LP982-E ^{9, 13, 14} ; QLogic: QLA2310F-E-SP ^{1, 2, 4} , QLA2340-E-SP ^{1, 2, 4} , QLA2342-E-SP ^{1, 2, 4}	FC-AL, FC-SW	Y
10	AViiON: AV2300, AV2700, AV3600, AV3700, AV8700	PCI	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	QLogic: QLA2310F-E-SP ^{2, 4} , QLA2340-E-SP ^{1, 2, 4, 5} , QLA2342-E-SP ^{1, 2, 4, 5}	FC-AL, FC-SW	Y
11	AViiON: AV1400, AV2300, AV2700, AV2800, AV3600, AV3700, AV3704, AV3704R, AV3800, AV8700, AV8900, AV8950	PCI	Microsoft Windows 2000 Advanced Server: SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Emulex: LP10000-E ^{9, 18, 19} , LP10000DC-E ^{9, 18, 19} , LP1050-E ^{9, 19, 20} , LP1050DC-E ^{9, 19, 20}	FC-AL, FC-SW	Y
12	AViiON AV8950R	PCI	Microsoft Windows 2000 Server: SP3 ³ , SP4 ³	Emulex: LP10000-E ^{9, 18, 19} , LP10000DC-E ^{9, 18, 19} , LP1050-E ^{9, 19, 20} , LP1050DC-E ^{9, 19, 20} , LP9802-E ^{9, 13, 14} , LP9802DC-E ^{1, 9, 13, 14}	FC-AL, FC-SW	Y

- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Driver Version 8.2.3.21.
- QLogic SANSurfer/SANBlade Manager is not supported.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Data General servers that are rack-mountable (designated with an "R") are supported.
- Driver Version 2.21a7.
- Firmware Version 3.90a7.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Driver Version 8.1.5.20.
- Firmware Version 1.01a2.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.support.unisys.com>. Supports SNIA HBA API.

- NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
 - Firmware Version 1.80a3.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.

Dell

Dell – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	PowerEdge 1550 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC ^{17, 18}	FC-AL	Y
2	PowerEdge 2600 ⁴	PCI-X	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	QLogic QLA2200F-EMC ^{17, 18}	FC-AL	Y
3	PowerVault: 750N, 755N, 770N, 775N	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	Emulex: LP10000-E ^{5, 13, 26} , LP10000DC-E ^{5, 13, 26} , LP1050-E ^{5, 26, 28} , LP1050DC-E ^{5, 26, 28}	FC-AL, FC-SW	Y
4	PowerEdge 6300 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP982-E ^{2, 3, 5, 6, 8}	FC-AL, FC-SW	Y
5	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{5, 13, 26} , LP10000DC-E ^{5, 13, 26} , LP1050-E ^{5, 26, 28} , LP1050DC-E ^{5, 26, 28} , LP982-E ^{2, 3, 5, 6, 8} , LP982DC-E ^{3, 5, 6, 8}	FC-AL, FC-SW	Y
6	PowerVault 750N	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{5, 10, 16} , LP850-EMC ^{5, 10, 11} , LP9002-E (LP9002L-E) ^{2, 5, 8, 9, 10, 11, 13} , LP9002DC-E ^{2, 5, 8, 10, 11, 12, 13} , LP982-E ^{2, 3, 5, 6, 8} , LP982DC-E ^{3, 5, 6, 8, 13} , LP982-E ^{2, 3, 5, 6, 8, 13} ; QLogic: QLA2200F-EMC ^{17, 18} , QLA2310F-E-SP ^{8, 14, 15} , QLA2340-E-SP ^{8, 14, 15} , QLA2342-E-SP ^{8, 14, 15}	FC-AL, FC-SW	Y
7	PowerVault 755N	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{5, 10, 16} , LP9002-E (LP9002L-E) ^{2, 5, 8, 9, 10, 11, 13}	FC-AL, FC-SW	Y
8	PowerEdge 6300	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP982-E ^{2, 3, 5, 6, 8} , LP982DC-E ^{3, 5, 6, 8}	FC-AL, FC-SW	Y
9	PowerEdge 8450 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	Emulex LP982-E ^{2, 3, 5, 6, 8}	FC-AL, FC-SW	Y

Dell – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
10	PowerEdge 8450 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{5, 10, 16} , QLogic: QLA2200F-EMC ¹⁷ , QLA2340-E-Sp ^{8, 14, 15}	FC-AL, FC-SW	Y
11	PowerEdge 8450 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP9002DC-E ^{2, 5, 8, 10, 11, 12} , QLogic QLA2300F-E-Sp ^{8, 14, 21}	FC-AL, FC-SW	Y
12	PowerEdge 6300	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{5, 13, 26} , LP10000DC-E ^{5, 13, 26} , LP1050-E ^{5, 26, 28} , LP1050DC-E ^{5, 26, 28}	FC-AL, FC-SW	Y
13	PowerEdge: 2400 ⁴ , 2450 ⁴ , 2500 ⁴ , 2550 ⁴ , 7, 4400 ⁴ , 6400 ⁴ , 6450 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{5, 13, 26} , LP10000DC-E ^{5, 13, 26} , LP1050-E ^{5, 26, 28} , LP1050DC-E ^{5, 26, 28} , LP8000-EMC ^{5, 10, 16} , LP850-EMC ^{5, 10, 11, 19} , LP9002-E (LP9002L-E) ^{2, 5, 8, 9, 10, 11} , LP9002DC-E ^{2, 5, 8, 10, 11, 12} , LP9802-E ^{2, 3, 5, 6} , LP9802DC-E ^{3, 5, 6, 8} , LP982-E ^{2, 3, 5, 6} ; QLogic: QLA2200F-EMC ^{17, 18} , QLA2310F-E-Sp ^{8, 14, 15} , QLA2340-E-Sp ^{8, 14, 15} , QLA2342-E-Sp ^{8, 14, 15}	FC-AL, FC-SW	Y
14	PowerEdge 1550 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{5, 13, 26} , LP10000DC-E ^{5, 13, 26} , LP1050-E ^{5, 26, 28} , LP1050DC-E ^{5, 26, 28} , LP8000-EMC ^{5, 10, 16} , LP850-EMC ^{5, 10, 11, 19} , LP9002-E (LP9002L-E) ^{2, 5, 8, 9, 10, 11} , LP9002DC-E ^{2, 5, 8, 10, 11, 12} , LP9802-E ^{2, 3, 5, 6} , LP9802DC-E ^{3, 5, 6, 8} , LP982-E ^{2, 3, 5, 6} ; QLogic: QLA2310F-E-Sp ^{8, 14, 15} , QLA2340-E-Sp ^{8, 14, 15} , QLA2342-E-Sp ^{8, 14, 15}	FC-AL, FC-SW	Y
15	PowerEdge 1650 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{5, 13, 26} , LP10000DC-E ^{5, 13, 26} , LP1050-E ^{5, 26, 28} , LP1050DC-E ^{5, 26, 28} , LP8000-EMC ^{5, 10, 16} , LP850-EMC ^{5, 10, 11} , LP9002-E (LP9002L-E) ^{2, 5, 8, 9, 10, 11} , LP9002DC-E ^{2, 5, 8, 10, 11, 12} , LP9802-E ^{2, 3, 5, 6} , LP9802DC-E ^{3, 5, 6, 8} , LP982-E ^{2, 3, 5, 6} ; QLogic: QLA2200F-EMC ^{17, 18} , QLA2310F-E-Sp ^{8, 14, 15} , QLA2340-E-Sp ^{8, 14, 15} , QLA2342-E-Sp ^{8, 14, 15}	FC-AL, FC-SW	Y
16	PowerEdge 6350	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{5, 13, 26} , LP10000DC-E ^{5, 13, 26} , LP1050-E ^{5, 26, 28} , LP1050DC-E ^{5, 26, 28} , LP9002DC-E ^{2, 5, 8, 10, 11, 12} , LP9802-E ^{2, 3, 5, 6, 8} , LP9802DC-E ^{3, 5, 6, 8}	FC-AL, FC-SW	Y
17	PowerEdge: 2300 ⁴ , 6100 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{5, 10, 16} , LP850-EMC ^{5, 10, 11, 19} , LP9002-E (LP9002L-E) ^{2, 5, 8, 9, 10, 11} , LP9002DC-E ^{2, 5, 8, 10, 11, 12} , LP982-E ^{3, 5, 6} ; QLogic: QLA2200F-EMC ^{17, 18} , QLA2310F-E-Sp ^{8, 14, 15} , QLA2340-E-Sp ^{8, 14, 15} , QLA2342-E-Sp ^{8, 14, 15}	FC-AL, FC-SW	Y
18	PowerEdge 6300 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{5, 10, 16} , LP850-EMC ^{5, 10, 11, 19} , LP9002-E (LP9002L-E) ^{2, 5, 8, 9, 10, 11} , LP9002DC-E ^{2, 5, 8, 10, 11, 12} ; QLogic: QLA2200F-EMC ^{17, 18} , QLA2310F-E-Sp ^{8, 14, 15} , QLA2340-E-Sp ^{8, 14, 15} , QLA2342-E-Sp ^{8, 14, 15}	FC-AL, FC-SW	Y
19	PowerEdge 6350 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{5, 10, 16} , LP850-EMC ^{5, 10, 11, 19} , LP9002-E (LP9002L-E) ^{2, 5, 8, 9, 10, 11} , LP982-E ^{2, 3, 5, 6, 8} ; QLogic: QLA2200F-EMC ^{17, 18} , QLA2310F-E-Sp ^{8, 14, 15} , QLA2340-E-Sp ^{8, 14, 15} , QLA2342-E-Sp ^{8, 14, 15}	FC-AL, FC-SW	Y
20	PowerEdge: 4300 ⁴ , 4350	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{5, 10, 16} , LP850-EMC ^{5, 10, 11, 19} ; QLogic QLA2200F-EMC ^{17, 18}	FC-AL, FC-SW	Y
21	PowerVault: 770N, 775N	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{5, 10, 16} , LP850-EMC ^{5, 10, 11} , LP9802-E ^{2, 3, 5, 6, 8} ; QLogic: QLA2200F-EMC ^{17, 18} , QLA2310F-E-Sp ^{8, 14, 15} , QLA2340-E-Sp ^{8, 14, 15} , QLA2342-E-Sp ^{8, 14, 15}	FC-AL, FC-SW	Y
22	PowerVault 755N	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP850-EMC ^{5, 10, 11} , LP9802-E ^{2, 3, 5, 6, 8} ; QLogic: QLA2200F-EMC ^{17, 18} , QLA2310F-E-Sp ^{8, 14, 15} , QLA2340-E-Sp ^{8, 14, 15} , QLA2342-E-Sp ^{8, 14, 15}	FC-AL, FC-SW	Y
23	PowerVault: 770N, 775N	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	Emulex: LP9002-E (LP9002L-E) ^{2, 5, 8, 9, 10, 11, 13} , LP9002DC-E ^{2, 5, 8, 10, 11, 12, 13} , LP9802DC-E ^{3, 5, 6, 8, 13} , LP982-E ^{2, 3, 5, 6, 8, 13}	FC-AL, FC-SW	Y
24	PowerVault 755N	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	Emulex: LP9002DC-E ^{2, 5, 8, 10, 11, 12, 13} , LP9802DC-E ^{3, 5, 6, 8, 13} , LP982-E ^{2, 3, 5, 6, 8, 13}	FC-AL, FC-SW	Y
25	PowerEdge 8450 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{2, 5, 8, 9, 10, 11}	FC-AL, FC-SW	Y

Dell – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
26	PowerEdge 8450 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex LP850-EMC ^{5, 10, 11, 19} , QLLogic: QLA2200F-EMC ^{17, 18} , QLA2310F-E-SP ^{8, 14, 15} , QLA2342-E-SP ^{8, 14, 15}	FC-AL, FC-SW	Y
27	PowerEdge: 2300, 6100; PowerVault: 750N ²⁷ , 755N ²⁷ , 770N ²⁷ , 775N ²⁷	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{5, 13, 26} , LP10000DC-E ^{5, 13, 26} , LP1050-E ^{5, 26, 28} , LP1050DC-E ^{5, 26, 28}	FC-AL, FC-SW	Y
28	PowerEdge 6350; PowerVault: 755N, 770N, 775N	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{22, 23, 24, 25} , LP8000-EMC ^{5, 10, 11, 16} ; QLLogic QLA2300F-E-SP ^{8, 14, 21}	FC-AL, FC-SW	Y
29	PowerEdge 8450 ⁴	PCI	Microsoft Windows 2000 Datacenter SP2 ¹	Emulex LP9002DC-E ^{5, 11}	FC-AL, FC-SW	Y
30	PowerEdge 8450 ⁴	PCI	Microsoft Windows 2000 Datacenter SP3 ¹	Emulex LP9002DC-E ^{5, 11, 13} , QLLogic QLA2310F-E-SP ^{14, 15}	FC-AL, FC-SW	Y
31	PowerEdge 8450 ⁴	PCI	Microsoft Windows 2000 Datacenter SP4 ¹	Emulex: LP9002DC-E ^{2, 5, 8, 10, 11, 12, 13} , LP9802-E ^{2, 3, 5, 6, 8}	FC-AL, FC-SW	Y
32	PowerEdge 8450 ⁴	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	Emulex LP850-EMC ^{5, 10, 11} , QLLogic QLA2342-E-SP ^{14, 15}	FC-AL, FC-SW	Y
33	PowerEdge 8450 ⁴	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP9802-E ^{3, 5, 6} , LP982-E ^{2, 3, 5, 6}	FC-AL, FC-SW	Y
34	PowerEdge 8450 ⁴	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{5, 13, 26} , LP10000DC-E ^{5, 13, 26} , LP1050-E ^{5, 26, 28} , LP1050DC-E ^{5, 26, 28} ; HPQ D8602A (Agilent HHBA-5101B) ^{1, 20}	FC-AL, FC-SW	N
35	PowerEdge 8450 ⁴	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{5, 13, 26} , LP10000DC-E ^{5, 13, 26} , LP1050-E ^{5, 26, 28} , LP1050DC-E ^{5, 26, 28} , LP9802DC-E ^{3, 5, 6, 8}	FC-AL, FC-SW	Y
36	PowerEdge 8450 ⁴	PCI	Microsoft Windows 2000 Datacenter: SP3 ¹ , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{2, 5, 8, 9, 10, 11, 13} ; QLLogic QLA2300F-E-SP ²¹	FC-AL, FC-SW	Y
37	PowerEdge: 6300 ⁴ , 6350	PCI	Microsoft Windows 2000 Professional: SP1 ¹ , SP2 ¹	Emulex LP9002DC-E ^{2, 5, 8, 10, 11}	FC-AL, FC-SW	Y
38	PowerVault: 770N, 775N	PCI	Microsoft Windows 2000 Server SP2 ¹	Emulex: LP9002-E (LP9002L-E) ^{2, 5, 8, 9, 10, 11} , LP9002DC-E ^{2, 5, 8, 10, 11, 12} , LP9802DC-E ^{3, 5, 6, 8} , LP982-E ^{2, 3, 5, 6, 8}	FC-AL, FC-SW	Y
39	PowerVault 755N	PCI	Microsoft Windows 2000 Server SP2 ¹	Emulex: LP9002-E (LP9002L-E) ^{5, 8, 11} , LP9002DC-E ^{2, 5, 8, 10, 11, 12} , LP9802DC-E ^{3, 5, 6, 8} , LP982-E ^{2, 3, 5, 6, 8}	FC-AL, FC-SW	Y
40	PowerEdge 6300 ⁴	PCI	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP982-E ^{3, 5, 6}	FC-AL, FC-SW	Y
41	PowerVault 755N	PCI	Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{5, 8, 11, 13}	FC-AL, FC-SW	Y
42	PowerVault 750N	PCI	Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	Emulex: LP9002-E (LP9002L-E) ^{5, 11, 13} , LP9002DC-E ^{5, 11, 13} , LP9802DC-E ^{5, 6, 13} , LP982-E ^{5, 6, 13}	FC-AL, FC-SW	Y
43	PowerEdge 2600 ⁴	PCI-X	Microsoft Windows 2000 Advanced Server SP2 ¹	Emulex: LP9802-E ^{2, 3, 5, 6, 8} , LP982-E ^{2, 3, 5, 6, 8}	FC-AL, FC-SW	Y
44	PowerEdge 2600	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP9802DC-E ^{3, 5, 6, 8}	FC-AL, FC-SW	Y
45	PowerEdge 2650	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{5, 10, 16} , QLLogic QLA2200F-EMC ^{17, 18}	FC-AL, FC-SW	Y
46	PowerEdge: 6600 ⁴ , 6650 ⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{5, 13, 26} , LP10000DC-E ^{5, 13, 26} , LP1050-E ^{5, 26, 28} , LP1050DC-E ^{5, 26, 28} , LP8000-EMC ^{5, 10, 16} , LP850-EMC ^{5, 10, 11, 19} , LP9002-E (LP9002L-E) ^{2, 5, 8, 9, 10, 11} , LP9002DC-E ^{2, 5, 8, 10, 11, 12} , LP9802-E ^{2, 3, 5, 6} , LP9802DC-E ^{3, 5, 6, 8} , LP982-E ^{2, 3, 5, 6, 8} ; QLLogic: QLA2200F-EMC ^{17, 18} , QLA2310F-E-SP ^{8, 14, 15} , QLA2340-E-SP ^{8, 14, 15} , QLA2342-E-SP ^{8, 14, 15}	FC-AL, FC-SW	Y
47	PowerEdge: 1750, 4600 ⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{5, 13, 26} , LP10000DC-E ^{5, 13, 26} , LP1050-E ^{5, 26, 28} , LP1050DC-E ^{5, 26, 28} , LP8000-EMC ^{5, 10, 16} , LP850-EMC ^{5, 10, 11} , LP9002-E (LP9002L-E) ^{2, 5, 8, 9, 10, 11} , LP9002DC-E ^{2, 5, 8, 10, 11, 12} , LP9802-E ^{2, 3, 5, 6} , LP9802DC-E ^{3, 5, 6, 8} , LP982-E ^{2, 3, 5, 6, 8} ; QLLogic: QLA2200F-EMC ^{17, 18} , QLA2310F-E-SP ^{8, 14, 15} , QLA2340-E-SP ^{8, 14, 15} , QLA2342-E-SP ^{8, 14, 15}	FC-AL, FC-SW	Y
48	PowerEdge 2650 ⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{5, 13, 26} , LP10000DC-E ^{5, 13, 26} , LP1050-E ^{5, 26, 28} , LP1050DC-E ^{5, 26, 28} , LP9002-E (LP9002L-E) ^{2, 5, 8, 9, 10, 11} , LP9002DC-E ^{2, 5, 8, 10, 11, 12} , LP9802-E ^{2, 3, 5, 6} , LP9802DC-E ^{3, 5, 6, 8} , LP982-E ^{2, 3, 5, 6} ; QLLogic: QLA2310F-E-SP ^{8, 14, 15} , QLA2340-E-SP ^{8, 14, 15} , QLA2342-E-SP ^{8, 14, 15}	FC-AL, FC-SW	Y
49	PowerEdge 2650 ⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	Emulex LP850-EMC ^{5, 10, 11}	FC-AL, FC-SW	Y
50	PowerEdge 2600	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{5, 13, 26} , LP10000DC-E ^{5, 13, 26} , LP1050-E ^{5, 26, 28} , LP1050DC-E ^{5, 26, 28} , LP8000-EMC ^{5, 10, 16} , LP850-EMC ^{5, 10, 11} , LP9002-E (LP9002L-E) ^{2, 5, 9, 10, 11} , LP9002DC-E ^{2, 5, 8, 10, 11, 12} , LP9802-E ^{2, 3, 5, 6, 8} , LP982-E ^{2, 3, 5, 6, 8} ; QLLogic: QLA2200F-EMC ^{17, 18} , QLA2310F-E-SP ^{8, 14, 15} , QLA2340-E-SP ^{8, 14, 15} , QLA2342-E-SP ^{8, 14, 15}	FC-AL, FC-SW	Y

Dell – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
51	PowerEdge 2650	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{5, 13, 26} , LP10000DC-E ^{5, 13, 26} , LP1050-E ^{5, 26, 28} , LP1050DC-E ^{5, 26, 28}	FC-AL, FC-SW	Y
52	PowerEdge 2600 ⁴	PCI-X	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP9802-E ^{2, 3, 5, 6} , LP9802DC-E ^{3, 5, 6, 8} , LP982-E ^{2, 3, 5, 6}	FC-AL, FC-SW	Y
53	PowerEdge 2650	PCI-X	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex LP850-EMC ^{5, 10, 11}	FC-AL, FC-SW	Y
54	PowerEdge 2600 ⁴	PCI-X	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP10000-E ^{5, 13, 26} , LP10000DC-E ^{5, 13, 26} , LP1050-E ^{5, 26, 28} , LP1050DC-E ^{5, 26, 28} , LP8000-EMC ^{5, 10, 16} , LP850-EMC ^{5, 10, 11, 19} , LP9002-E (LP9002L-E) ^{2, 5, 8, 9, 10, 11} , LP9002DC-E ^{2, 5, 8, 10, 11, 12} ; QLogic: QLA2310F-E-SP ^{8, 14, 15} , QLA2340-E-SP ^{8, 14, 15} , QLA2342-E-SP ^{8, 14, 15}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- If using Dell PERC Controller, requires PERC 3 with OpenManager 3.0 and Array Manager 3.1. The afamgt.sys must be version 2.6.0.3486 (or above)..
- Driver Version 2.21a7.
- Firmware Version 1.01a2.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Firmware Version 3.90a7.
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

- NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
 - Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
 - Driver Version 8.2.3.21.
 - The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
 - Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
 - Driver Version 8.1.5.20.
 - Not supported with the HP NetServer LC-2000.
 - (HHBA-5101BK-01)
 - Driver Version 8.2.1.20.
 - SNIA API Supported.
 - Driver/Firmware available at <http://www.emulex.com>
 - Driver Version 2.13a4.
 - Firmware Version 3.30a7.
 - Firmware Version 1.80a3.
 - Not supported with Emulex LP8000-EMC HBA.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

Fuji Serv (ICL)

Fuji Serv (ICL) – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Trimetra Nova	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , SP3 ⁴ , SP4 ⁴ ; Microsoft Windows 2000 Server: SP2 ⁴ , SP3 ⁴ , SP4 ⁴	Emulex: LP8000-EMC ^{1, 2, 3} , LP850-EMC ^{2, 3, 6} , LP9002-E (LP9002L-E) ^{2, 3, 6, 9, 10, 11} , LP9002DC-E ^{2, 3, 6, 10, 11, 12} , LP982-E ^{3, 7, 8}	FC-AL, FC-SW	Y
2	Trimetra P2000	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , SP3 ⁴ , SP4 ⁴ ; Microsoft Windows 2000 Server: SP2 ⁴ , SP3 ⁴ , SP4 ⁴	Emulex: LP8000-EMC ^{1, 2, 3} , LP850-EMC ^{2, 3, 6} , LP9002-E (LP9002L-E) ^{2, 3, 6, 9, 10, 11} , LP9002DC-E ^{2, 3, 6, 10, 11, 12} , LP982-E ^{3, 7, 8} ; QLogic QLA2200F-EMC ⁵	FC-AL, FC-SW	Y
3	Trimetra Nova	PCI	Microsoft Windows 2000 Advanced Server: SP3 ⁴ , SP4 ⁴ ; Microsoft Windows 2000 Server: SP2 ⁴ , SP3 ⁴ , SP4 ⁴	Emulex: LP10000-E ^{3, 13, 14} , LP10000DC-E ^{3, 13, 14} , LP1050-E ^{3, 14, 15} , LP1050DC-E ^{3, 14, 15}	FC-AL, FC-SW	Y

- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Driver Version 2.21a7.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Driver Version 8.1.5.20.
- Firmware Version 3.90a7.
- Firmware Version 1.01a2.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

- NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
 - Firmware Version 1.80a3.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

Fujitsu Siemens

Fujitsu Siemens – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Primergy: F200, H200, H400, K400, L200, N400, P200, P250, R450	PCI	Microsoft Windows 2000 Advanced Server SP2 ⁵	Emulex LP9802-E ^{2, 6, 8, 9}	FC-AL, FC-SW	Y
2	Primergy: B210, C200, E200, N200	PCI	Microsoft Windows 2000 Advanced Server SP2 ⁵	Emulex LP9802-E ^{6, 8, 9}	FC-AL, FC-SW	Y

Fujitsu Siemens – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
3	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Emulex: LP8000-EMC ^{3, 6, 11} , LP9002-E (LP9002L-E) ^{1, 2, 3, 4, 6, 7}	FC-AL, FC-SW	Y
4	Primergy: N800, RX100, T850	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Emulex: LP8000-EMC ^{3, 6, 11} , LP9002-E (LP9002L-E) ^{1, 2, 3, 4, 6, 7} , LP9802-E ^{2, 6, 8, 9}	FC-AL, FC-SW	Y
5	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450	PCI	Microsoft Windows 2000 Advanced Server: SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Emulex LP9802-E ^{2, 3, 4, 6, 8, 9}	FC-AL, FC-SW	Y
6	Primergy: H250 ¹⁰ , N800	PCI-X	Microsoft Windows 2000 Advanced Server SP2 ⁵	Emulex LP9802-E ^{2, 6, 8, 9}	FC-AL, FC-SW	Y
7	Primergy F250 ¹⁰	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	QLogic: QLA2200F-EMC ^{13, 14} , QLA2300F-E-SP ^{16, 17} , QLA2310F-E-SP ^{4, 15, 16} , QLA2340-E-SP ^{4, 15, 16} , QLA2342-E-SP ^{4, 15, 16}	FC-AL, FC-SW	Y
8	Primergy N800	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Emulex: LP8000-EMC ^{3, 6, 11} , LP9002-E (LP9002L-E) ^{1, 2, 3, 4, 6, 7}	FC-AL, FC-SW	Y
9	Primergy H250 ¹⁰	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Emulex: LP8000-EMC ^{3, 6, 11} , LP9002-E (LP9002L-E) ^{1, 2, 3, 4, 6, 7} , LP9002DC-E ^{2, 3, 4, 6, 7, 12}	FC-AL, FC-SW	Y
10	Primergy: F250 ¹⁰ , H450, R450, RX200, RX300, T850, TX200, TX300	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Emulex: LP8000-EMC ^{3, 6, 11} , LP9002-E (LP9002L-E) ^{1, 2, 3, 4, 6, 7} , LP9802-E ^{2, 6, 8, 9}	FC-AL, FC-SW	Y
11	Primergy: F250 ¹⁰ , H450	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Emulex LP8000-EMC ^{6, 7, 11, 18}	FC-AL, FC-SW	Y
12	Primergy: H250 ¹⁰ , N800	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Emulex LP9802-E ^{2, 3, 4, 6, 8, 9}	FC-AL, FC-SW	Y
13	Primergy: RX600, RX800, TX600	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Emulex: LP8000-EMC ^{3, 6, 11} , LP9002-E (LP9002L-E) ^{1, 2, 3, 4, 6, 7} , LP9802-E ^{2, 6, 8, 9}	FC-AL, FC-SW	Y

1. The LP9002-E now ships with the LP9002L-E low profile adapter.
2. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
3. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
4. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
5. EMC recommends that HBAs of different vendors not be used in the same host server.
6. Driver Version 2.21a7.
7. Firmware Version 3.90a7.
8. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
9. Firmware Version 1.01a2.
10. Must use standard PCI 32bit/33MHz slot for SCSI
11. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
12. Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.

13. Driver Version 8.1.5.20.
14. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
15. Driver Version 8.2.3.21.
16. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
17. Driver Version 8.2.1.20.
18. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.

HPQ

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Proliant DL360(G2) ⁸	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35}	FC-AL, FC-SW	Y
2	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} ; HPQ: FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} ; QLogic: QLA2200F-EMC, QLA2340-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
3	Proliant 8500 ⁸	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{2, 3, 4} , HPQ: DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29}	FC-AL, FC-SW	Y
4	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LPR, LT 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35} , LP8000-EMC ^{2, 3, 4, 19} , LP850-EMC ^{3, 4, 5, 20} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} , LP9002DC-E ^{3, 4, 5, 9, 13, 17} , LP9802-E ^{4, 7, 9, 10} , LP9802DC-E ^{4, 7, 10, 13} , LP982-E ^{4, 7, 9, 10} ; HPQ: A7298A (LP982) ^{4, 7, 29} , DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} , FCA2384 (LP9802) ^{4, 7, 36} , FCA2404 (LP9802) ^{4, 7, 29} , FCA2404DC (LP9802DC) ^{4, 7, 29} , FCA2408 (LP982) ^{4, 7, 29} ; QLLogic: QLA2200F-EMC ^{6, 18} , QLA2310F-E-SP ^{13, 14, 15, 19} , QLA2340-E-SP ^{13, 14, 15, 19} , QLA2342-E-SP ^{13, 14, 15, 19}	FC-AL, FC-SW	Y
5	Proliant: 6400R ⁸ , DL320 ⁸ , DL360 ⁸ , DL380(G2) ⁸ , DL380 ⁸ , DL580 ⁸ , ML350(G3), ML530(G2) ⁸ , ML530 ⁸ , ML570 ⁸ , ML750 ¹²	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35} , LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5, 20} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} , LP9002DC-E ^{3, 4, 5, 9, 13, 17} , LP9802-E ^{4, 7, 9, 10} , LP9802DC-E ^{4, 7, 10, 13} , LP982-E ^{4, 7, 9, 10} ; HPQ: A7298A (LP982) ^{4, 7, 29} , DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} , FCA2384 (LP9802) ^{4, 7, 36} , FCA2404 (LP9802) ^{4, 7, 29} , FCA2404DC (LP9802DC) ^{4, 7, 29} , FCA2408 (LP982) ^{4, 7, 29} ; QLLogic: QLA2200F-EMC ^{6, 18} , QLA2310F-E-SP ^{13, 14, 15, 19} , QLA2340-E-SP ^{13, 14, 15, 19} , QLA2342-E-SP ^{13, 14, 15, 19}	FC-AL, FC-SW	Y
6	Proliant: ML350(G2) ^{8, 11} , ML350 ^{8, 11}	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35} , LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5, 20} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} , LP9002DC-E ^{3, 4, 5, 9, 13, 17} , LP9802-E ^{4, 7, 9, 10} , LP9802DC-E ^{4, 7, 10, 13} , LP982-E ^{4, 7, 9, 10} ; HPQ: A7298A (LP982) ^{4, 7, 29} , DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} , FCA2384 (LP9802) ^{4, 7, 36} , FCA2404 (LP9802) ^{4, 7, 29} , FCA2404DC (LP9802DC) ^{4, 7, 29} , FCA2408 (LP982) ^{4, 7, 29} ; QLLogic: QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
7	Proliant ML370 ⁸	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35} , LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5, 20} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} , LP9002DC-E ^{3, 4, 5, 9, 13, 17} , LP9802-E ^{4, 7, 10} , LP9802DC-E ^{4, 7, 10, 13} , LP982-E ^{4, 7, 10} ; HPQ: A7298A (LP982) ^{4, 7, 29} , DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} , FCA2384 (LP9802) ^{4, 7, 36} , FCA2404 (LP9802) ^{4, 7, 29} , FCA2404DC (LP9802DC) ^{4, 7, 29} , FCA2408 (LP982) ^{4, 7, 29} ; QLLogic: QLA2200F-EMC ^{6, 18} , QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
8	Proliant DL380(G3)	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35} , LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5} , LP850-EMC ^{3, 4, 5, 20} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} , LP9002DC-E ^{3, 4, 5, 9, 13, 17} , LP9802-E ^{4, 7, 9, 10} , LP9802DC-E ^{4, 7, 10, 13} , LP982-E ^{4, 7, 9, 10} ; HPQ: A7298A (LP982) ^{4, 7, 29} , DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} , FCA2384 (LP9802) ^{4, 7, 36} , FCA2404 (LP9802) ^{4, 7, 29} , FCA2404DC (LP9802DC) ^{4, 7, 29} , FCA2408 (LP982) ^{4, 7, 29} ; QLLogic: QLA2200F-EMC ^{6, 18} , QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
9	Proliant DL580(G2) ⁸	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35} , LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} , LP9002DC-E ^{3, 4, 5, 9, 13, 17} , LP9802-E ^{4, 7, 9, 10} , LP9802DC-E ^{4, 7, 10, 13} , LP982-E ^{4, 7, 9, 10} ; HPQ: A7298A (LP982) ^{4, 7, 29} , DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} , FCA2384 (LP9802) ^{4, 7, 36} , FCA2404 (LP9802) ^{4, 7, 29} , FCA2404DC (LP9802DC) ^{4, 7, 29} , FCA2408 (LP982) ^{4, 7, 29} ; QLLogic: QLA2200F-EMC ^{6, 18} , QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
10	Proliant 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35} , LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} , LP9002DC-E ^{3, 4, 5, 9, 13, 17} , LP9802-E ^{4, 7, 9, 10} , LP9802DC-E ^{4, 7, 10, 13} , LP982-E ^{4, 7, 9, 10} ; QLLogic: QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
11	Proliant: ML370(G2), ML370(G3)	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35} , LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} , LP9002DC-E ^{3, 4, 5, 9, 13, 17} , LP9802-E ^{4, 7, 10} , LP9802DC-E ^{4, 7, 10, 13} , LP982-E ^{4, 7, 10} ; HPQ: A7298A (LP982) ^{4, 7, 29} , DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} , FCA2384 (LP9802) ^{4, 7, 36} , FCA2404 (LP9802) ^{4, 7, 29} , FCA2404DC (LP9802DC) ^{4, 7, 29} , FCA2408 (LP982) ^{4, 7, 29} ; QLLogic: QLA2200F-EMC ^{6, 18} , QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
12	Netserver LH: 3000, 6000; Netserver LXR: 8000, 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{2, 3, 4, 19} , LP850-EMC ^{3, 4, 5, 20} ; HPQ: DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} , FCA2384 (LP9802) ^{4, 7, 36} , FCA2404 (LP9802) ^{4, 7, 29} ; QLogic: QLA2200F-EMC ^{6, 19} , QLA2310F-E-SP ^{13, 14, 15, 19} , QLA2340-E-SP ^{13, 14, 15, 19} , QLA2342-E-SP ^{13, 14, 15, 19}	FC-AL, FC-SW	Y
13	Netserver LH: 3, 4, III	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{2, 3, 4, 19} , LP850-EMC ^{3, 4, 5, 20} ; HPQ: DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} ; QLogic: QLA2200F-EMC ^{6, 19} , QLA2310F-E-SP ^{13, 14, 15, 19} , QLA2340-E-SP ^{13, 14, 15, 19} , QLA2342-E-SP ^{13, 14, 15, 19}	FC-AL, FC-SW	Y
14	Proliant 5500 ^{8, 26}	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{2, 3, 4} , LP8000-EMC ^{2, 3, 4, 5} , LP850-EMC ^{3, 4, 5, 20} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} ; HPQ: DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} ; QLogic: QLA2200F-EMC ^{6, 18} , QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
15	Proliant 3000 ⁸	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{2, 3, 4} , LP8000-EMC ^{2, 3, 4, 5, 29} , LP850-EMC ^{3, 4, 5, 20} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} ; HPQ: DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} ; QLogic: QLA2200F-EMC ^{6, 18} , QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
16	Proliant: 1600 ^{8, 26} , 1850 ^{8, 26} , 2500 ^{8, 26} , 5000 ^{8, 26} , 6000 ^{8, 26} , 6500 ^{8, 26} , 8000 ^{8, 26} , 850 ⁸	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5, 20} ; HPQ: DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} ; QLogic: QLA2200F-EMC ^{6, 18} , QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
17	Proliant 7000 ^{8, 26}	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5, 20} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} ; HPQ: DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} ; QLogic: QLA2200F-EMC ^{6, 18} , QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
18	Proliant DL360(G2) ⁸	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5, 20} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} , LP9002DC-E ^{3, 4, 5, 9, 13, 17} , LP9802-E ^{4, 7, 9, 10} , LP9802DC-E ^{4, 7, 10, 13} , LP982-E ^{4, 7, 9, 10} ; HPQ: A7298A (LP982) ^{4, 7, 29} , DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} , FCA2384 (LP9802) ^{4, 7, 36} , FCA2404 (LP9802) ^{4, 7, 29} , FCA2404DC (LP9802DC) ^{4, 7, 29} , FCA2408 (LP982) ^{4, 7, 29} ; QLogic: QLA2200F-EMC ^{6, 18} , QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
19	Netserver: LH II, LX PRO, LXR PRO8	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5} ; HPQ: DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29}	FC-AL, FC-SW	Y
20	Proliant 850R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} , LP9002DC-E ^{3, 4, 5, 9, 13, 17} , LP982-E ^{4, 7, 10} ; QLogic: QLA2200F-EMC ⁶ , QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
21	Proliant: 6400R Pro, 8000 Pro, 8000 Xeon, 8500 8-way Xeon 550 ⁸	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} , LP9002DC-E ^{3, 4, 5, 9, 13, 17} , LP982-E ^{4, 7, 10} ; QLogic: QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
22	Netserver LC: 2000 U3, 2000R; Netserver LH: 3, 3000, 4, 6000, II, III; Netserver: LP 2000R, LPR, LT 6000R, LXR 8000, LXR 8500, LXR PRO8	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: D8602A (Agilent HHBA-5101B) ^{1, 21, 24, 25} , D8602B (Agilent HHBA-5101C) ^{1, 21, 22, 23, 24}	FC-AL, FC-SW	N
23	Proliant: ML350(G2) ⁸ , ML350 ⁸	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC ^{6, 18}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
24	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2300F-E-SP ^{13, 14, 32}	FC-AL, FC-SW	Y
25	Proliant 8000 Pro	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC ^{6, 18}	FC-AL, FC-SW	Y
26	Proliant 8500 ⁸	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ Server SP2 ¹ Server SP3 ¹ , Server SP4 ¹	Emulex LP850-EMC ^{3, 4, 5, 20} , QLogic QLA2200F-EMC ^{6, 18}	FC-AL, FC-SW	Y
27	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ Server SP2 ¹ Server SP3 ¹ , Server SP4 ¹	Emulex LP9002DC-E ^{3, 4, 5, 9, 13, 17} , QLogic: QLA2310F-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
28	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35}	FC-AL, FC-SW	Y
29	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	Emulex LP9802DC-E ^{4, 7, 10, 13} , HPQ: A7298A (LP982) ^{4, 7, 29} , FCA2384 (LP9802) ^{4, 7, 36} , FCA2404 (LP9802) ^{4, 7, 29} , FCA2404DC (LP9802DC) ^{4, 7, 29} , FCA2408 (LP982) ^{4, 7, 29}	FC-AL, FC-SW	Y
30	Proliant 8000 Pro	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{2, 4, 5, 29}	FC-AL, FC-SW	Y
31	Proliant DL360(G2) ^{8, 34}	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35}	FC-AL, FC-SW	Y
32	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ Server SP3 ¹ , Server SP4 ¹	Emulex: LP9802-E ^{4, 7, 9, 10} , LP982-E ^{4, 7, 9, 10}	FC-AL, FC-SW	Y
33	Proliant 8500	PCI	Microsoft Windows 2000 Datacenter SP2 ¹	Emulex LP9802-E ^{4, 7, 10}	FC-AL, FC-SW	Y
34	Proliant 8500	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	Emulex: LP850-EMC ^{3, 4, 5} , LP9002DC-E ^{4, 5} , LP982-E ^{4, 7, 10} , QLogic QLA2342-E-SP ^{14, 15}	FC-AL, FC-SW	Y
35	Proliant 8500	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{2, 3, 4} , HPQ: DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29}	FC-AL, FC-SW	Y
36	Proliant 8500	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35} ; HPQ D8602A (Agilent HHBA-5101B) ^{1, 25}	FC-AL, FC-SW	N
37	Proliant 8500 ⁸	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Datacenter SP4 ¹ , Server SP2 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
38	Proliant 8500 ⁸	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹	Emulex: LP9802-E ^{4, 7, 9, 10} , LP9802DC-E ^{4, 7, 10, 13} , LP982-E ^{4, 7, 9, 10} , HPQ: A7298A (LP982) ^{4, 7, 29} , FCA2384 (LP9802) ^{4, 7, 36} , FCA2404 (LP9802) ^{4, 7, 29} , FCA2404DC (LP9802DC) ^{4, 7, 29} , FCA2408 (LP982) ^{4, 7, 29}	FC-AL, FC-SW	Y
39	Proliant: DL760 (G2), DL760 ⁸	PCI-X	Microsoft Windows 2000 Advanced Server SP2 ¹	QLogic QLA2310F-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
40	Proliant: DL760 (G2), DL760 ⁸	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35} , LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} ; HPQ: A7298A (LP982) ^{4, 7, 29} , DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} , FCA2384 (LP9802) ^{4, 7, 36} , FCA2404 (LP9802) ^{4, 7, 29} , FCA2404DC (LP9802DC) ^{4, 7, 29} , FCA2408 (LP982) ^{4, 7, 29} ; QLogic: QLA2200F-EMC ¹⁸ , QLA2340-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
41	Proliant: DL760 (G2), DL760 ⁸	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP9002DC-E ^{3, 4, 5, 9, 13, 17}	FC-AL, FC-SW	Y
42	Proliant: DL760 (G2), DL760 ⁸	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP9802-E ^{4, 7, 9, 10} . QLogic: QLA2300F-E-SP ^{13, 14, 32} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
43	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35} , LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5, 20} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} , LP9002DC-E ^{3, 4, 5, 9, 13, 17} , LP9802-E ^{4, 7, 9, 10} , LP9802DC-E ^{4, 7, 10, 13} , LP982-E ^{4, 7, 9, 10} ; HPQ: A7298A (LP982) ^{4, 7, 29} , DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} , FCA2384 (LP9802) ^{4, 7, 36} , FCA2404 (LP9802) ^{4, 7, 29} , FCA2404DC (LP9802DC) ^{4, 7, 29} , FCA2408 (LP982) ^{4, 7, 29} ; QLogic: QLA2200F-EMC ^{6, 18} , QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
44	Proliant DL740	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35} , LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} , LP9002DC-E ^{3, 4, 5, 9, 13, 17} , LP9802-E ^{4, 7, 9, 10} , LP9802DC-E ^{4, 7, 10, 13} , LP982-E ^{4, 7, 9, 10} ; HPQ: A7298A (LP982) ^{4, 7, 29} , DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} , FCA2384 (LP9802) ^{4, 7, 36} , FCA2404 (LP9802) ^{4, 7, 29} , FCA2404DC (LP9802DC) ^{4, 7, 29} , FCA2408 (LP982) ^{4, 7, 29} ; QLogic: QLA2200F-EMC ¹⁸ , QLA2200F-EMC ^{6, 18} , QLA2300F-E-SP ^{13, 14, 32} , QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
45	Proliant BL40p	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35} , LP8000-EMC ^{2, 3, 4} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 17} , LP9802-E ^{4, 7, 9, 10} , LP9802DC-E ^{4, 7, 10, 13} , LP982-E ^{4, 7, 9, 10} ; HPQ: A7298A (LP982) ^{4, 7, 29} , DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} , FCA2384 (LP9802) ^{4, 7, 36} , FCA2404 (LP9802) ^{4, 7, 29} , FCA2404DC (LP9802DC) ^{4, 7, 29} , FCA2408 (LP982) ^{4, 7, 29} ; QLogic: QLA2200F-EMC ^{6, 18} , QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
46	Proliant: DL760 (G2), DL760 ⁸	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP9802DC-E ^{4, 7, 10, 13} , LP982-E ^{4, 7, 9, 10}	FC-AL, FC-SW	Y
47	Proliant: DL760 (G2), DL760 ⁸	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	QLogic QLA2200F-EMC ^{6, 18}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
48	Proliant: DL760 (G2), DL760 ⁸	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{2, 4, 5}	FC-AL, FC-SW	Y
49	Proliant: DL760 (G2), DL760 ⁸	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ¹	Emulex: LP9002DC-E ^{4, 5} , LP9802-E ^{4, 7, 10}	FC-AL, FC-SW	Y
50	Proliant: DL760 (G2), DL760 ⁸	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35} ; HPQ D8602A (Agilent HHBA-5101B) ^{1, 25}	FC-AL, FC-SW	N
51	Proliant: DL760 (G2), DL760 ⁸	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2342-E-SP ^{14, 15}	FC-AL, FC-SW	Y
52	Proliant: DL760 (G2), DL760 ⁸	PCI-X	Microsoft Windows 2000 Datacenter: SP3 ¹ , SP4 ¹	Emulex: LP9802-E ^{4, 7, 9, 10, 29} , LP9802DC-E ^{4, 7, 10, 13, 29} , LP982-E ^{4, 7, 9, 10, 29}	FC-AL, FC-SW	Y
53	Proliant BL20p (G2)	PCI-X ³	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ Dual-port mezzanine controller card ^{15, 30}	FC-AL, FC-SW	Y
54	Proliant: DL580(G2) ⁸ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{4, 29, 33} , LP10000DC-E ^{4, 29, 33} , LP1050-E ^{4, 33, 35} , LP1050DC-E ^{4, 33, 35} , LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{3, 4, 5, 20} , LP9002-E (LP9002L-E) ^{3, 4, 5, 9, 13, 16} , LP9002DC-E ^{3, 4, 5, 9, 13, 17} , LP9802-E ^{4, 7, 9, 10} , LP9802DC-E ^{4, 7, 10, 13} , LP982-E ^{4, 7, 9, 10} ; HPQ: A7298A (LP982) ^{4, 7, 29} , DS-KGPSA-CA (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CB (LP8000) ^{4, 5, 10, 29} , DS-KGPSA-CY (LP8000) ^{4, 5, 10, 29} , FCA2101 (LP952) ^{4, 37, 38} , FCA2214 (QLA2340) ^{14, 15} , FCA2214DC (QLA2342) ^{14, 15} , FCA2384 (LP9802) ^{4, 7, 36} , FCA2404 (LP9802) ^{4, 7, 29} , FCA2404DC (LP9802DC) ^{4, 7, 29} , FCA2408 (LP982) ^{4, 7, 29} ; QLogic: QLA2200F-EMC ^{6, 18} , QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{13, 14, 15} , QLA2342-E-SP ^{13, 14, 15}	FC-AL, FC-SW	Y
55	Proliant DL760 ⁸	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2300F-E-SP ^{13, 14, 32}	FC-AL, FC-SW	Y
56	Proliant: DL760 (G2), DL760 ⁸	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2310F-E-SP ^{13, 14, 15}	FC-AL ²⁷ , FC-SW	Y
57	Proliant: DL760 (G2), DL760 ⁸	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2310F-E-SP ^{14, 15}	FC-AL ²⁷ , FC-SW	Y
58	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: FCA2354 (LP9002) ^{3, 4, 5, 9, 13, 17} , FCA2355 (LP9002DC) ^{3, 4, 5, 9, 13, 17}	FC-SW	Y
59	Proliant: 6400R ⁸ , DL320 ⁸ , DL360(G2) ⁸ , DL360 ⁸ , DL380(G2) ⁸ , DL380(G3), DL380 ⁸ , DL580 ⁸ , ML350(G2) ⁸ , ML350(G3), ML350 ⁸ , ML370(G2), ML370(G3), ML370 ⁸ , ML530(G2) ⁸ , ML530 ⁸ , ML570 ⁸ , ML750 ⁸	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: FCA2354 (LP9002) ^{4, 5} , FCA2355 (LP9002DC) ^{4, 5}	FC-SW	Y
60	Proliant DL760 ⁸	PCI-X	Microsoft Windows 2000 Advanced Server SP2 ¹	HPQ: FCA2354 (LP9002) ^{4, 5} , FCA2355 (LP9002DC) ^{4, 5}	FC-SW	Y
61	Proliant: BL40p, DL360(G3), DL560, DL740, ML570(G2)	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: FCA2354 (LP9002) ^{4, 5} , FCA2355 (LP9002DC) ^{4, 5}	FC-SW	Y
62	Proliant: DL760 (G2), DL760 ⁸	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	HPQ: FCA2354 (LP9002) ^{3, 4, 5, 9, 13, 17} , FCA2355 (LP9002DC) ^{3, 4, 5, 9, 13, 17}	FC-SW	Y
63	Proliant: DL760 (G2), DL760 ⁸	PCI-X	Microsoft Windows 2000 Datacenter: SP3 ¹ , SP4 ¹	HPQ: FCA2354 (LP9002) ^{3, 4, 5, 9, 13, 17, 29} , FCA2355 (LP9002DC) ^{3, 4, 5, 9, 13, 17, 29}	FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
64	Proliant: DL580(G2) ⁸ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: FCA2354 (LP9002) ^{4, 5} , FCA2355 (LP9002DC) ^{4, 5}	FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Driver Version 2.21a7.
- Firmware Version 3.90a7.
- Driver Version 8.1.5.20.
- Firmware Version 1.01a2.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- HPQ Proliant ML350 (1GHz) : D04,F04 (11/13/2000) , HPQ Proliant ML350(600.733,800,866,933 MHz) : D02, F04 (11/13/2000).
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.3.21.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.

- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- When used with the HP NetServer LC2000: 32 device maximum.
- Not supported with the HP NetServer LC-2000.
- Driver Version 2.0.25.44. Driver available at http://h20004.www2.hp.com/keeper_r_notes/bsdmatrix/matrix213991.html
- Requires manual intervention on bootup to clear "new hardware found" message box at boot time.
- The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
- Does not support Connectrix DS-16M, DS-32M, or McData ED-5000
- (HHBA-5101BK-01)
- Includes both Pentium PRO and XEON models
- Supported by direct attach only**
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Supports BIOS 1.34. Supports SNIA HBA API. Driver and BIOS available at <http://www.qlogic.com>.
- Dual port PCI-X fibre channel mezzanine card option is embedded. No PCI/PCI-X slots available.
- Driver Version 8.2.1.20.
- Firmware Version 1.80a3.
- Requires minimum BIOS v4.01 rev A (5/17/2002) for use with Emulex HBAs.**
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. Supports SNIA HBA API.**
- EMC does not support the Emulex equivalent of the FCA2101 (LP952.) Use EMC supported driver for LP9002 from <http://www.emulex.com>.**
- Firmware Version 3.90a7. Contact HPQ for supported firmware versions for this HBA.

IBM

IBM – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	xSeries x255 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2310F-E-SP3, 5, 25	FC-AL	Y
2	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic: QLA2200F-EMC ^{7, 9} , QLA2310F-E-SP3, 5, 25	FC-AL	Y
3	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	QLogic QLA2310F-E-SP3, 5, 25	FC-AL	Y
4	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	QLogic: QLA2200F-EMC ^{7, 9} , QLA2310F-E-SP3, 5, 25	FC-AL	Y
5	xSeries x255 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC ^{7, 9}	FC-AL	Y
6	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	QLogic QLA2200F-EMC ⁹	FC-AL	Y
7	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	QLogic: QLA2200F-EMC ^{7, 9} , QLA2200F-EMC ⁹	FC-AL	Y
8	xSeries: x235, x360	PCI-X	Microsoft Windows 2000 Server SP4 ¹	QLogic QLA2200F-EMC ^{7, 9}	FC-AL	Y
9	xSeries: x345, x445	PCI, PCI-X	Microsoft Windows 2000 Server SP4 ¹	QLogic QLA2200F-EMC ^{7, 9}	FC-AL	Y

IBM – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
10	Netfinity 6000R; xSeries x370 ⁴	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	QLogic QLA2310F-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
11	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{13, 20, 24} , LP850-EMC ^{13, 20, 21, 23} ; IBM: 19K1246(QLA2310) ^{2, 3, 5, 17} , 24P0960(QLA2340) ^{3, 5, 6} ; QLogic: QLA2200F-EMC ^{7, 9} , QLA2340-E-SP ^{3, 5, 15} , QLA2342-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
12	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: D8602A (Agilent HHBA-5101B) ^{1, 27, 29, 31} , D8602B (Agilent HHBA-5101C) ^{1, 27, 28, 29, 30}	FC-AL, FC-SW	N
13	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	Emulex: LP850-EMC ^{13, 20, 21, 23} , LP9002-E (LP9002L-E) ^{11, 13, 15, 19, 20, 21} LP9002DC-E ^{11, 13, 15, 20, 21, 22} , LP9802-E ^{11, 12, 13, 14, 15} , LP9802DC-E ^{12, 13, 14, 15} , LP982-E ^{11, 12, 13, 14, 15} ; QLogic QLA2310F-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
14	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	HPQ: D8602A (Agilent HHBA-5101B) ^{1, 27, 29, 31} , D8602B (Agilent HHBA-5101C) ^{1, 27, 28, 29, 30}	FC-AL, FC-SW	N
15	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44} ; IBM 00N6881 (QLA2200) ^{7, 8, 9, 10}	FC-AL, FC-SW	Y
16	xSeries x370 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44} , LP8000-EMC ^{13, 20, 24} , LP9002-E (LP9002L-E) ^{11, 13, 15, 19, 20,} 21, LP9002DC-E ^{11, 13, 15, 20, 21, 22} , LP982-E ^{11, 12, 13, 14} ; IBM: 00N6881 (QLA2200) ^{7, 8, 9, 10} , 24P0960(QLA2340) ^{3, 5, 6} ; QLogic: QLA2200F-EMC, QLA2340-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
17	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44} , LP8000-EMC ^{13, 20, 24} , LP9002-E (LP9002L-E) ^{11, 13, 15, 19, 20,} 21, LP9802DC-E ^{12, 13, 14, 15} ; IBM: 00N6881 (QLA2200) ^{7, 8, 9, 10} , 24P0960(QLA2340) ^{3, 5, 6} ; QLogic: QLA2200F-EMC, QLA2340-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
18	xSeries x370 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP9802DC-E ^{12, 13, 14, 15}	FC-AL, FC-SW	Y
19	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP9002DC-E ^{11, 13, 15, 20, 21, 22}	FC-AL, FC-SW	Y
20	xSeries x255 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44} , LP8000-EMC ^{13, 20, 24} , LP850-EMC ^{13, 20, 21, 23} , LP9002-E (LP9002L-E) ^{11, 13, 15, 19, 20, 21} , LP9002DC-E ^{11, 13, 15, 20, 21, 22} , LP9802-E ^{11, 12, 13, 14,} 15, LP9802DC-E ^{12, 13, 14, 15} , LP982-E ^{11, 12, 13, 14, 15} ; IBM: 00N6881 (QLA2200) ^{7, 8, 9, 10} , 19K1246(QLA2310) ^{2, 3, 5, 17} , 24P0960(QLA2340) ^{3, 5,} 6; QLogic: QLA2200F-EMC ^{7, 9} , QLA2310F-E-SP ^{3, 5, 15} , QLA2340-E-SP ^{3, 5, 15} , QLA2342-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
21	xSeries X342 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44} , LP8000-EMC ^{13, 20, 24} , LP850-EMC ^{13, 20, 21, 23} , LP9002-E (LP9002L-E) ^{11, 13, 15, 19, 20, 21} , LP9002DC-E ^{11, 13, 15, 20, 21, 22} , LP9802-E ^{11, 12, 13, 14,} LP9802DC-E ^{12, 13, 14, 15} , LP982-E ^{11, 12, 13, 14} ; IBM: 00N6881 (QLA2200) ^{7, 8, 9, 10} , 19K1246(QLA2310) ^{2, 3, 5} , 24P0960(QLA2340) ^{3, 5, 6} ; QLogic: QLA2200F-EMC ⁷ , QLA2310F-E-SP ^{3, 5, 15} , QLA2340-E-SP ^{3, 5, 15, 25} , QLA2342-E-SP ^{3, 5, 15, 25}	FC-AL, FC-SW	Y
22	xSeries: X330 ⁴ , X335, X340 (4500R) ⁴ , x230, x232 ⁴ , x240 ⁴ , x250 ⁴ , x350 (6000R) ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44} , LP8000-EMC ^{13, 20, 24} , LP850-EMC ^{13, 20, 21, 23} , LP9002-E (LP9002L-E) ^{11, 13, 15, 19, 20, 21} , LP9002DC-E ^{11, 13, 15, 20, 21, 22} , LP9802-E ^{11, 12, 13, 14,} LP9802DC-E ^{12, 13, 14, 15} , LP982-E ^{11, 12, 13, 14} ; IBM: 00N6881 (QLA2200) ^{7, 8, 9, 10} , 19K1246(QLA2310) ^{2, 3, 5} , 24P0960(QLA2340) ^{3, 5, 6} ; QLogic: QLA2200F-EMC ⁷ , QLA2310F-E-SP ^{3, 5, 15} , QLA2340-E-SP ^{3, 5, 15} , QLA2342-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
23	xSeries x345 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44} , LP8000-EMC ^{13, 20, 24} , LP850-EMC ^{13, 20, 21} , LP9002-E (LP9002L-E) ^{11, 13, 15, 19, 20, 21} , LP9002DC-E ^{11, 13, 15, 20, 21, 22} , LP9802-E ^{11, 12, 13, 14,} LP9802DC-E ^{12, 13, 14, 15} , LP982-E ^{11, 12, 13, 14} ; IBM: 00N6881 (QLA2200) ^{7, 9, 10} , 19K1246(QLA2310) ^{2, 3, 5} , 24P0960(QLA2340) ^{3, 5, 6}	FC-AL, FC-SW	Y

IBM – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
24	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁸ , 7100, 7600	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{13, 20, 24} , LP850-EMC ^{13, 20, 21, 23} ; IBM: 00N6881 (QLA2200) ^{7, 8, 9, 10} , 19K1246(QLA2310) ^{2, 3, 5} , 24P0960(QLA2340) ^{3, 5, 6} ; QLogic: QLA2200F-EMC ⁷ , QLA2310F-E-SP ^{3, 5, 15} , QLA2340-E-SP ^{3, 5, 15} , QLA2342-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
25	xSeries x255 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	HPQ: D8602A (Agilent HHBA-5101B) ^{1, 27, 29, 31} , D8602B (Agilent HHBA-5101C) ^{1, 27, 28, 29, 30}	FC-AL, FC-SW	N
26	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	IBM 00N6881 (QLA2200) ^{7, 8, 9, 10}	FC-AL, FC-SW	Y
27	xSeries x370 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	IBM 19K1246(QLA2310) ^{2, 3, 5} ; QLogic QLA2300F-E-SP ^{3, 15, 40}	FC-AL, FC-SW	Y
28	Netfinity: 8500, 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2300F-E-SP ^{3, 15, 40}	FC-AL, FC-SW	Y
29	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex LP8000-EMC ^{13, 20, 24} ; IBM: 19K1246(QLA2310) ^{2, 3, 5, 17} , 24P0960(QLA2340) ^{3, 5, 6} ; QLogic: QLA2200F-EMC ^{7, 9} , QLA2200F-EMC ⁹ , QLA2340-E-SP ^{3, 5, 15} , QLA2342-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
30	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP850-EMC ^{13, 20, 21, 23} , LP9802-E ^{11, 12, 13, 14, 15} , LP982-E ^{11, 12, 13, 14, 15} ; IBM 19K1246(QLA2310) ^{2, 3, 5, 17} ; QLogic: QLA2200F-EMC ^{7, 9} , QLA2310F-E-SP ^{3, 5, 15} , QLA2342-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
31	xSeries x370 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP850-EMC ^{13, 20, 21, 23} , LP9802-E ^{11, 12, 13, 14} ; QLogic: QLA2200F-EMC ⁷ , QLA2342-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
32	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	HPQ: D8602A (Agilent HHBA-5101B) ^{1, 27, 29, 31} , D8602B (Agilent HHBA-5101C) ^{1, 27, 28, 29, 30}	FC-AL, FC-SW	N
33	xSeries x370	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{13, 21, 24}	FC-AL, FC-SW	Y
34	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{13, 21, 24}	FC-AL, FC-SW	Y
35	xSeries x370 ⁴	PCI	Microsoft Windows 2000 Datacenter SP2 ¹	Emulex LP9802-E ^{12, 13, 14}	FC-AL, FC-SW	Y
36	Netfinity 8500R	PCI	Microsoft Windows 2000 Datacenter SP2 ¹	Emulex: LP9002DC-E ^{13, 21} , LP9802-E ^{12, 13, 14}	FC-AL, FC-SW	Y
37	Netfinity 8500R	PCI	Microsoft Windows 2000 Datacenter SP3 ¹	Emulex LP9802-E ^{11, 12, 13, 14}	FC-AL, FC-SW	Y
38	xSeries x370	PCI	Microsoft Windows 2000 Datacenter SP3 ¹	Emulex: LP9802-E ^{12, 13, 14} , LP9802DC-E ^{12, 13, 14, 15}	FC-AL, FC-SW	Y
39	Netfinity 8500	PCI	Microsoft Windows 2000 Datacenter SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44}	FC-AL, FC-SW	N
40	xSeries x370 ⁴	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	Emulex LP850-EMC ^{13, 20, 21} ; QLogic QLA2342-E-SP ^{3, 5}	FC-AL, FC-SW	Y
41	Netfinity 8500R	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	Emulex: LP850-EMC ^{13, 20, 21} , LP982-E ^{11, 12, 13, 14} ; IBM 19K1246(QLA2310) ^{2, 3, 5} ; QLogic: QLA2310F-E-SP ^{3, 5} , QLA2342-E-SP ^{3, 5}	FC-AL, FC-SW	Y
42	Netfinity 8500R	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	HPQ: D8602A (Agilent HHBA-5101B) ^{1, 31} , D8602B (Agilent HHBA-5101C) ^{1, 30}	FC-AL, FC-SW	N
43	Netfinity 8500R	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44}	FC-AL, FC-SW	N

IBM – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
44	xSeries x370 ⁴	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44} ; HPQ D8602A (Agilent HHBA-5101B) ^{1, 31}	FC-AL, FC-SW	N
45	xSeries x370 ⁴	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	IBM 19K1246(QLA2310) ^{2, 3, 5, 17}	FC-AL, FC-SW	Y
46	Netfinity 6000R	PCI	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{13, 24} ; IBM: 19K1246(QLA2310) ^{2, 5} , 24P0960(QLA2340) ^{5, 6} ; QLogic: QLA2340-E-SP ^{5, 15} , QLA2342-E-SP ^{5, 15}	FC-AL, FC-SW	Y
47	Netfinity 8500	PCI	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP7000E-EMC ^{37, 38, 39} , LP8000-EMC ^{13, 16, 21, 24} , LP850-EMC ^{13, 16, 20, 21, 23} , LP9002-E (LP9002L-E) ^{11, 13, 15, 16, 19, 20, 21} , LP9002DC-E ^{11, 13, 15, 16, 20, 21, 22} , LP9802-E ^{11, 12, 13, 14, 16} , LP9802DC-E ^{12, 13, 14, 15, 16} , LP982-E ^{11, 12, 13, 14, 16} ; QLogic QLA2310F-E-SP ^{3, 5}	FC-AL, FC-SW	Y
48	xSeries x345 ⁴	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	QLogic: QLA2310F-E-SP ^{3, 5, 15} , QLA2340-E-SP ^{3, 5, 15} , QLA2342-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
49	xSeries x440	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	Emulex LP850-EMC ^{13, 20, 21} ; QLogic QLA2200F-EMC ^{7, 9}	FC-AL, FC-SW	Y
50	xSeries x440 ⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44} , LP8000-EMC ^{13, 20, 24} , LP850-EMC ^{13, 20, 21} , LP9002-E (LP9002L-E) ^{11, 13, 15, 19, 20, 21} , LP9802DC-E ^{12, 13, 14, 15} ; IBM: 00N6881 (QLA2200) ^{7, 9, 10} , 19K1246(QLA2310) ^{2, 3, 5} , 24P0960(QLA2340) ^{3, 5, 6} ; QLogic QLA2340-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
51	xSeries x440 ⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP9002DC-E ^{11, 13, 15, 20, 21, 22} , LP9802-E ^{11, 12, 13, 14}	FC-AL, FC-SW	Y
52	xSeries: x235, x360	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server SP4 ¹	QLogic QLA2200F-EMC ^{7, 9}	FC-AL, FC-SW	Y
53	xSeries x440	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44}	FC-AL, FC-SW	Y
54	xSeries: x235 ⁴ , x360 ⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44} , LP8000-EMC ^{13, 20, 24} , LP850-EMC ^{13, 20, 21} , LP9002-E (LP9002L-E) ^{11, 13, 15, 19, 20, 21} , LP9002DC-E ^{11, 13, 15, 20, 21, 22} , LP9802-E ^{11, 12, 13, 14} , LP9802DC-E ^{12, 13, 14, 15} , LP982-E ^{11, 12, 13, 14} ; IBM: 00N6881 (QLA2200) ^{7, 9, 10} , 19K1246(QLA2310) ^{2, 3, 5} , 24P0960(QLA2340) ^{3, 5, 6}	FC-AL, FC-SW	Y
55	eServer BladeCenter HS20 (Model: 8678) ³² , 8832 ³²	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{42, 43}	FC-AL, FC-SW	Y
56	xSeries x360	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic: QLA2310F-E-SP ^{3, 5} , QLA2340-E-SP ^{3, 5, 15, 25} , QLA2342-E-SP ^{3, 5, 15, 25}	FC-AL, FC-SW	Y
57	xSeries x440 ⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex LP982-E ^{11, 12, 13, 14} ; QLogic: QLA2310F-E-SP ^{3, 5, 15} , QLA2342-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
58	xSeries x440	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	QLogic QLA2200F-EMC ⁹	FC-AL, FC-SW	Y
59	xSeries x235	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	QLogic: QLA2310F-E-SP ^{3, 5, 15} , QLA2340-E-SP ^{3, 5, 15} , QLA2342-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
60	xSeries x440 ⁴	PCI-X	Microsoft Windows 2000 Datacenter SP2 ¹	Emulex: LP9002DC-E ^{13, 21} , LP9802-E ^{12, 13, 14}	FC-AL, FC-SW	Y
61	xSeries x440 ⁴	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	Emulex LP982-E ^{12, 13, 14} ; QLogic: QLA2310F-E-SP ^{3, 5} , QLA2342-E-SP ^{3, 5}	FC-AL, FC-SW	Y
62	xSeries x440 ⁴	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44} ; HPQ D8602A (Agilent HHBA-5101B) ^{1, 31}	FC-AL, FC-SW	N

IBM – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
63	xSeries x440	PCI-X	Microsoft Windows 2000 Datacenter: SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{13, 24} , LP9002-E (LP9002L-E) ^{13, 16, 21} , LP9002DC-E ^{13, 16, 21} , LP9802-E ^{13, 14, 16} , LP9802DC-E ^{13, 14, 16} , LP982-E ^{13, 14, 16} , QLLogic: QLA2310F-E-SP ^{3, 5} , QLA2340-E-SP ^{3, 5} , QLA2342-E-SP ^{3, 5}	FC-AL, FC-SW	Y
64	xSeries: x235, x360	PCI-X	Microsoft Windows 2000 Server SP4 ¹	QLLogic QLA2200F-EMC ⁹	FC-AL, FC-SW	Y
65	xSeries x235 ⁴	PCI-X	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	QLLogic: QLA2310F-E-SP ^{3, 5, 15} , QLA2340-E-SP ^{3, 5, 15} , QLA2342-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
66	xSeries: x345, x445	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server SP4 ¹	QLLogic QLA2200F-EMC ^{7, 9}	FC-AL, FC-SW	Y
67	xSeries x360 ⁴	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44} , LP8000-EMC ^{13, 20, 24} , LP850-EMC ^{13, 20, 21} , LP9002-E (LP9002L-E) ^{11, 13, 15, 19, 20, 21} , LP9002DC-E ^{11, 13, 15, 20, 21, 22} , LP9802-E ^{11, 12, 13, 14} , LP9802DC-E ^{12, 13, 14, 15} , LP982-E ^{11, 12, 13, 14} , IBM 00N6881 (QLA2200) ^{7, 9, 10} , QLLogic: QLA2310F-E-SP ^{3, 5, 15} , QLA2340-E-SP ^{3, 5, 15} , QLA2342-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
68	xSeries x445	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44} , LP8000-EMC ^{13, 20, 24} , LP850-EMC ^{13, 20, 21} , LP9002-E (LP9002L-E) ^{11, 13, 15, 19, 20, 21} , LP9002DC-E ^{11, 13, 15, 20, 21, 22} , LP9802-E ^{11, 12, 13, 14} , LP9802DC-E ^{12, 13, 14, 15} , LP982-E ^{11, 12, 13, 14} , IBM: 00N6881 (QLA2200) ^{7, 9, 10} , 19K1246(QLA2310) ^{2, 3, 5} , 24P0960(QLA2340) ^{3, 5, 6} , QLLogic: QLA2310F-E-SP ^{3, 5, 15} , QLA2340-E-SP ^{3, 5, 15} , QLA2342-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
69	xSeries x440 ⁴	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLLogic QLA2300F-E-SP ^{3, 15, 40}	FC-AL, FC-SW	Y
70	xSeries x345 ⁴	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	IBM 00N6881 (QLA2200) ^{7, 9, 10}	FC-AL, FC-SW	Y
71	xSeries x345 ⁴	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	Emulex LP9002DC-E ^{11, 13, 15, 20, 21}	FC-AL, FC-SW	Y
72	xSeries x345	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	QLLogic: QLA2310F-E-SP ^{3, 5, 15} , QLA2340-E-SP ^{3, 5, 15} , QLA2342-E-SP ^{3, 5, 15}	FC-AL, FC-SW	Y
73	xSeries x345 ⁴	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{13, 16, 41} , LP10000DC-E ^{13, 16, 41} , LP1050-E ^{13, 41, 44} , LP1050DC-E ^{13, 41, 44}	FC-AL, FC-SW	Y
74	xSeries: x345, x445	PCI, PCI-X	Microsoft Windows 2000 Server SP4 ¹	QLLogic QLA2200F-EMC ⁹	FC-AL, FC-SW	Y
75	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	QLLogic QLA2310F-E-SP ^{3, 5, 15}	FC-AL ²⁶ , FC-SW	Y
76	xSeries x370 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	QLLogic QLA2310F-E-SP ^{3, 5, 15}	FC-AL ²⁶ , FC-SW	Y
77	xSeries x370	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	QLLogic QLA2310F-E-SP ⁵	FC-AL ²⁶ , FC-SW	Y
78	Netfinity 6000R	PCI	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLLogic QLA2310F-E-SP ^{5, 15}	FC-AL ²⁶ , FC-SW	Y
79	eServer BladeCenter HS20 (Model: 8678) ³² , 8832 ³²	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{64, 35} , 02R9080 ^{5, 33, 34, 35, 36}	FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- This HBA is equivalent to the qLogic QLA2310.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- For IBM xSeries Servers running Windows NT and Windows 2000 with IBM ServerRaid controller 4M, the ServerRaid Driver must be 6.00 or above for use with EMC PowerPath 3.0 and above. IBM driver can be downloaded at: <http://www-3.ibm.com/pc/support/site.wss/document.do?lnocid=MIGR-39723>
- Driver Version 8.2.3.21.
- This HBA is equivalent to the qLogic QLA2340.
- Driver Version 8.1.5.20.
- For IBM Netfinity and xSeries Intel servers only.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Driver Version 2.21a7.
- Firmware Version 1.01a2.
- QLLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.

21. Firmware Version 3.90a7.
 22. Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

- NOTE: LP8000/850 HBAs without –EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.
 Not supported with the HP NetServer LC–2000.
 24. The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
 25. QLogic SANSurfer/SANBlade Manager is not supported.
 26. Supported by direct attach only
 27. Driver Version 2.0.25.44. Driver available at http://h20004.www2.hp.com/keeper_rnotes/bsdmatrix/matrix213991.html
 28. Requires manual intervention on bootup to clear "new hardware found" message box at boot time.
 29. Does not support Connectrix DS–16M, DS–32M, or McData ED–5000
 30. The HP D8602B Tachlre Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
 31. (HHBA–5101BK–01)
 32. EMC VolumeLogix Software required for multiple BladeServers when direct–attached to EMC Symmetrix storage.
 33. Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.
 34. **Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
 35. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
 36. Due to the HS20's embedded FC–SW design, EMC Volume Logix is required to assign LUNS to each individual blade server.
 37. Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.
 38. Driver Version 2.13a4.
 39. Firmware Version 3.30a7.
 40. Driver Version 8.2.1.20.
 41. Firmware Version 1.80a3.
 42. **Dual–port FC switch module. Can be used in place of Optical PassThru Module (OPM.)**
 43. **Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.**
 44. **Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

NCR

NCR – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Worldmark: 4300, 4380, 4400, 47XX, 48XX, 52XX, S50	PCI	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	QLogic QLA2200F–EMC ¹⁰	FC–AL	Y
2	Worldmark 45xx	MCA	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Emulex: LP10000–E ^{8, 19, 20} , LP10000DC–E ^{8, 19, 20} , LP1050–E ^{8, 20, 22} , LP1050DC–E ^{8, 20, 22} , LP8000–EMC ^{6, 8} , LP9002–E (LP9002L–E) ⁸ , LP9002DC–E ^{1, 7, 8, 9, 13, 15} , LP9802–E ^{8, 11, 12} , LP9802DC–E ^{1, 8, 11, 12} , LP982–E ^{8, 11, 12, 13} ; QLogic: QLA2340–E–SP ⁴ , QLA2342–E–SP ⁴	FC–AL, FC–SW	Y
3	Worldmark 45xx	MCA	Microsoft Windows 2000 Advanced Server: SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Emulex: LP8000–EMC ^{6, 8, 9} , LP9002–E (LP9002L–E) ^{8, 9}	FC–AL, FC–SW	Y
4	Worldmark 4950	PCI	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	QLogic QLA2204F ^{10, 18}	FC–AL, FC–SW	Y
5	Worldmark 4475	PCI	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³	LSI ITI7004G2 ^{16, 17}	FC–AL, FC–SW	Y
6	Worldmark 4480	PCI	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³	LSI ITI7004G2 ^{16, 21}	FC–AL, FC–SW	Y
7	Worldmark: 47XX, 48XX, 52XX, S50	PCI	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Emulex: LP10000–E ^{8, 19, 20} , LP10000DC–E ^{8, 19, 20} , LP1050–E ^{8, 20, 22} , LP1050DC–E ^{8, 20, 22} , LP8000–EMC ^{6, 7, 8} , LP850–EMC ^{7, 8, 9} , LP9002–E (LP9002L–E) ^{1, 7, 8, 9, 13, 14} , LP9002–E (LP9002L–E) ⁸ , LP9002DC–E ^{1, 7, 8, 9, 13, 15} , LP9802–E ^{1, 8, 11, 12} , LP9802DC–E ^{1, 8, 11, 12} , LP982–E ^{8, 11, 12, 13} ; QLogic: QLA2340–E–SP ^{1, 2, 4} , QLA2342–E–SP ^{1, 2, 4}	FC–AL, FC–SW	Y
8	Worldmark 4455	PCI	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Emulex: LP10000–E ^{8, 19, 20} , LP10000DC–E ^{8, 19, 20} , LP1050–E ^{8, 20, 22} , LP1050DC–E ^{8, 20, 22} , LP8000–EMC ^{6, 7, 8} , LP850–EMC ^{7, 8, 9} , LP9002–E (LP9002L–E) ^{1, 7, 8, 9, 13, 14} , LP9002DC–E ^{1, 7, 8, 9, 13, 15} , LP9802–E ^{1, 8, 11, 12} , LP9802DC–E ^{1, 8, 11, 12} , LP982–E ^{8, 11, 12}	FC–AL, FC–SW	Y
9	Worldmark: 4300, 4380, 4400	PCI	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Emulex: LP10000–E ^{8, 19, 20} , LP10000DC–E ^{8, 19, 20} , LP1050–E ^{8, 20, 22} , LP1050DC–E ^{8, 20, 22} , LP8000–EMC ^{6, 7, 8} , LP850–EMC ^{7, 8, 9} , LP9002–E (LP9002L–E) ^{1, 7, 8, 9, 13, 14} , LP9002DC–E ^{1, 7, 8, 9, 13, 15} , LP9802–E ^{1, 8, 11, 12} , LP9802DC–E ^{1, 8, 11, 12} , LP982–E ^{8, 11, 12} ; QLogic: QLA2310F–E–SP ^{1, 2, 4} , QLA2340–E–SP ^{1, 2, 4} , QLA2342–E–SP ^{1, 2, 4}	FC–AL, FC–SW	Y
10	Worldmark: 4500, 4700, 4850, 4900, 4950, 5100 Series, 5150, 5250, 5300, 5350, 8550	PCI	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Emulex: LP10000–E ^{8, 19, 20} , LP10000DC–E ^{8, 19, 20} , LP1050–E ^{8, 20, 22} , LP1050DC–E ^{8, 20, 22} , LP8000–EMC ^{6, 8} , LP9002–E (LP9002L–E) ⁸ , LP9002DC–E ^{1, 7, 8, 9, 13, 15} , LP9802–E ^{8, 11, 12} , LP982–E ^{8, 11, 12, 13} ; QLogic: QLA2340–E–SP ⁴ , QLA2342–E–SP ⁴	FC–AL, FC–SW	Y

NCR – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
11	Worldmark: 47XX, 48XX, 52XX, S50	PCI	Microsoft Windows 2000 Advanced Server: SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Emulex LP8000-EMC ^{6, 8, 9}	FC-AL, FC-SW	Y
12	Worldmark: 4500, 4700, 4900, 5100 Series, 5150, 5250, 5300, 8550	PCI	Microsoft Windows 2000 Advanced Server: SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Emulex: LP8000-EMC ^{6, 8, 9} , LP9002-E (LP9002L-E) ^{8, 9}	FC-AL, FC-SW	Y
13	Worldmark: 4950, 5350	PCI	Microsoft Windows 2000 Advanced Server: SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	Emulex: LP8000-EMC ^{6, 8, 9} , LP9002-E (LP9002L-E) ^{8, 9} ; LSI ITI7004G2 ^{16, 17}	FC-AL, FC-SW	Y
14	Worldmark 5350	PCI	Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	QLogic QLA2204F ^{10, 18}	FC-AL, FC-SW	Y
15	Worldmark 45xx	MCA	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	QLogic QLA2310F-E-SP ⁴	FC-AL ⁵ , FC-SW	Y
16	Worldmark: 47XX, 48XX, 52XX, S50	PCI	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	QLogic QLA2310F-E-SP ^{1, 2, 4}	FC-AL ⁵ , FC-SW	Y
17	Worldmark: 4500, 4700, 4850, 4900, 4950, 5100 Series, 5150, 5250, 5300, 5350, 8550	PCI	Microsoft Windows 2000 Advanced Server: SP2 ³ , SP3 ³ , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , SP3 ³ , SP4 ³	QLogic QLA2310F-E-SP ⁴	FC-AL ⁵ , FC-SW	Y

1. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
 2. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
 3. EMC recommends that HBAs of different vendors not be used in the same host server.
 4. Driver Version 8.2.3.21.
 5. Supported by direct attach only
 6. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
 7. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
 8. Driver Version 2.21a7.
 9. Firmware Version 3.90a7.
 10. Driver Version 8.1.5.20.
 11. Firmware Version 1.01a2.
 12. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
 13. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
 14. The LP9002-E now ships with the LP9002L-E low profile adapter.
 15. Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.
- NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.
16. Requires package PSCSI302 Ver.02.10.10.09 or higher available from NCR.
 17. Driver Version 1.8.30.
 18. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
 19. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
 20. Firmware Version 1.80a3.
 21. Driver version 1.8.30
 22. **Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

NE

NE – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	P7000	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{7, 8, 9} , LP850-EMC ^{7, 9, 10} ; QLogic: QLA2200F-EMC ^{5, 6} , QLA2310F-E-SP ^{2, 3, 4} , QLA2340-E-SP ^{2, 3, 4} , QLA2342-E-SP ^{2, 3, 4}	FC-AL, FC-SW	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
3. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
4. Driver Version 8.2.3.21.
5. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
6. Driver Version 8.1.5.20.
7. Driver Version 2.21a7.
8. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
9. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
10. Firmware Version 3.90a7.

NEC

NEC – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2310F-E-SP2, 3, 4	FC-AL	Y
2	Express 5800: 140Ma, 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2200F-EMC ^{15, 17}	FC-AL	Y
3	Express 5800 320Mc-R	PCI	Microsoft Windows 2000 Advanced Server SP3 ^{1, 22}	QLogic QLA2310F-E-SP2, 3, 4	FC-AL, FC-SW	N
4	Express 5800 320Mc-R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ^{1, 22} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8803-031 (QLA2310F) ^{2, 3, 23}	FC-AL, FC-SW	N
5	Express 5800: 320La-R ⁵ , 320La ⁵ , 320Lb-R ⁵ , 320Lb ⁵ , 330Ma-R ⁵ , 330Mb-R ⁵ , 340Ha-R ⁵	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹	QLogic QLA2310F-E-SP2, 3, 4	FC-AL, FC-SW	N
6	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP850-EMC ^{7, 8} , NEC: N8190-105 ^{7, 8, 18} , N8503-200 ^{7, 8}	FC-AL, FC-SW	Y
7	Express 5800 120Md	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{7, 18, 20} , LP10000DC-E ^{7, 18, 20} , LP1050-E ^{7, 20, 21} , LP1050DC-E ^{7, 20, 21} , LP8000-EMC ^{7, 13, 14} , LP850-EMC ^{7, 8, 13} , LP9002-E (LP9002L-E) ^{7, 8, 9, 12, 13, 16} , LP9002DC-E ^{6, 7, 8, 9, 12, 13} , LP9802-E ^{7, 9, 10, 11} , LP9802DC-E ^{7, 10, 11, 12} , LP982-E ^{7, 9, 10, 11} ; NEC: N8103-200 ^{7, 8, 18} , N8190-105 ^{7, 8, 9, 12, 18} , N8503-200 ^{6, 7, 8} ; QLogic: QLA2200F-EMC ^{15, 17} , QLA2310F-E-SP ^{3, 4, 12} , QLA2340-E-SP ^{3, 4, 12} , QLA2342-E-SP ^{3, 4, 12}	FC-AL, FC-SW	Y
8	Express 5800: 120Ra-2, 120Rc-2, 140Ha, 140Hb, 140Ra-7, 180Ha	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{7, 18, 20} , LP10000DC-E ^{7, 18, 20} , LP1050-E ^{7, 20, 21} , LP1050DC-E ^{7, 20, 21} , LP8000-EMC ^{7, 13, 14} , LP850-EMC ^{7, 8, 13} , LP9002-E (LP9002L-E) ^{7, 8, 9, 12, 13, 16} , LP9002DC-E ^{6, 7, 8, 9, 12, 13} , LP9802-E ^{7, 9, 10, 11} , LP9802DC-E ^{7, 10, 11, 12} , LP982-E ^{7, 9, 10, 11} ; NEC: N8103-200 ^{7, 8, 18} , N8190-105 ^{7, 8, 9, 12, 18} , N8503-200 ^{6, 7, 8} ; QLogic: QLA2200F-EMC ¹⁵ , QLA2310F-E-SP ^{3, 4, 12} , QLA2340-E-SP ^{3, 4, 12} , QLA2342-E-SP ^{3, 4, 12}	FC-AL, FC-SW	Y
9	Express 5800 140Ma	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{7, 18, 20} , LP10000DC-E ^{7, 18, 20} , LP1050-E ^{7, 20, 21} , LP1050DC-E ^{7, 20, 21} , LP8000-EMC ^{7, 13, 14} , LP850-EMC ^{7, 8, 13} , LP9002-E (LP9002L-E) ^{7, 8, 9, 12, 13, 16} , LP9002DC-E ^{6, 7, 8, 9, 12, 13} , LP9802-E ^{7, 9, 10, 11} , LP9802DC-E ^{7, 10, 11, 12} , LP982-E ^{7, 9, 10, 11} ; NEC: N8103-200 ^{7, 8, 18} , N8190-105 ^{7, 8, 9, 12, 18} , N8503-200 ^{6, 7, 8} ; QLogic: QLA2310F-E-SP ^{3, 4, 12} , QLA2340-E-SP ^{3, 4, 12} , QLA2342-E-SP ^{3, 4, 12}	FC-AL, FC-SW	Y
10	Express 5800 140Ra-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{7, 18, 20} , LP10000DC-E ^{7, 18, 20} , LP1050-E ^{7, 20, 21} , LP1050DC-E ^{7, 20, 21} , LP8000-EMC ^{7, 13, 14} , LP850-EMC ^{7, 8, 13} , LP9002-E (LP9002L-E) ^{7, 8, 9, 12, 13, 16} , LP9002DC-E ^{6, 7, 8, 9, 12, 13} , LP9802-E ^{7, 9, 10, 11} , LP9802DC-E ^{7, 10, 11, 12} , LP982-E ^{7, 9, 10, 11} ; NEC: N8103-200 ⁷ , N8103-200 ^{7, 8, 18} , N8190-105 ^{7, 8, 9, 12, 18} , N8503-200 ^{6, 7, 8} ; QLogic: QLA2200F-EMC ¹⁵ , QLA2310F-E-SP ^{3, 4, 12} , QLA2340-E-SP ^{3, 4, 12} , QLA2342-E-SP ^{3, 4, 12}	FC-AL, FC-SW	Y
11	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{7, 18, 20} , LP10000DC-E ^{7, 18, 20} , LP1050-E ^{7, 20, 21} , LP1050DC-E ^{7, 20, 21} , LP8000-EMC ^{7, 13, 14} , LP850-EMC ^{7, 8, 13} , LP9002-E (LP9002L-E) ^{7, 8, 9, 12, 13, 16} , LP9002DC-E ^{6, 7, 8, 9, 12, 13} , LP9802-E ^{7, 9, 10, 11} , LP9802DC-E ^{7, 10, 11, 12} , LP982-E ^{7, 9, 10, 11} ; NEC: N8190-105 ^{7, 8, 9, 12, 18} , N8503-200 ^{6, 7, 8} ; QLogic: QLA2310F-E-SP ^{3, 4, 12} , QLA2340-E-SP ^{3, 4, 12} , QLA2342-E-SP ^{3, 4, 12}	FC-AL, FC-SW	Y
12	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{7, 13, 14} , LP850-EMC ^{7, 8, 13} , LP9002-E (LP9002L-E) ^{7, 8, 9, 12, 13, 16} , LP9002DC-E ^{6, 7, 8, 9, 12, 13} , LP982-E ^{7, 10, 11} ; NEC: N8103-200 ^{6, 7, 8} , N8103-200 ^{6, 7, 8, 18} , N8103-200 ^{7, 8, 18} , N8190-105 ^{7, 8, 9, 12, 18} , N8503-200 ^{6, 7, 8} ; QLogic: QLA2200F-EMC ¹⁵	FC-AL, FC-SW	Y
13	Express 5800: 120Rd-2, 140Rb-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{7, 13, 14} , LP850-EMC ^{7, 8, 13} , LP9002-E (LP9002L-E) ^{7, 8, 9, 12, 13, 16} , LP9002DC-E ^{6, 7, 8, 9, 12, 13} , LP982-E ^{7, 10, 11} ; NEC: N8103-200 ^{6, 7, 8} , N8103-200 ^{6, 7, 8, 18} , N8190-105 ^{7, 8, 9, 12, 18} , N8503-200 ^{6, 7, 8} ; QLogic: QLA2200F-EMC ¹⁵	FC-AL, FC-SW	Y
14	Express 5800 180Rb-7	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{7, 13, 14} , LP850-EMC ^{7, 8, 13} , LP9002-E (LP9002L-E) ^{7, 8, 9, 12, 13, 16} , LP9002DC-E ^{6, 7, 8, 9, 12, 13} , LP982-E ^{7, 10, 11} ; NEC: N8103-200 ^{7, 8, 18} , N8190-105 ^{7, 8, 9, 12, 18} , N8503-200 ^{6, 7, 8} ; QLogic: QLA2200F-EMC ¹⁵	FC-AL, FC-SW	Y
15	Express 5800: 320La-R ⁵ , 320La ⁵ , 320Lb-R ⁵ , 320Lb ⁵ , 330Ma-R ⁵ , 330Mb-R ⁵ , 340Ha-R ⁵	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8803-031 (QLA2310F) ^{2, 3, 4, 12, 19}	FC-AL, FC-SW	N
16	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹	NEC N8103-200 ^{7, 8, 18}	FC-AL, FC-SW	Y
17	Express 5800: 120Rf-2, 140Hd, 140Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{7, 18, 20} , LP10000DC-E ^{7, 18, 20} , LP1050-E ^{7, 20, 21} , LP1050DC-E ^{7, 20, 21} , LP9002-E (LP9002L-E) ^{7, 8, 18} , LP9002DC-E ^{7, 8, 18} , LP9802-E ^{7, 11, 18} , LP9802DC-E ^{7, 11, 18} , LP982-E ^{7, 11, 18} ; QLogic: QLA2310F-E-SP ^{3, 4} , QLA2340-E-SP ^{3, 4} , QLA2342-E-SP ^{3, 4}	FC-AL, FC-SW	Y

NEC – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
18	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	NEC N8103-200 ^{6, 7} ; QLogic QLA2200F-EMC ¹⁵	FC-AL, FC-SW	Y
19	Express 5800 180Rc-4	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹	NEC N8103-200 ⁷ ; QLogic QLA2200F-EMC ^{15, 17}	FC-AL, FC-SW	Y
20	Express 5800 180Rc-4	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	NEC N8103-200 ^{6, 7, 8, 18}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Qlogic SANSurfer/SANBlade Manager is not supported.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.3.21.
- Bus Enumeration Issue Causes Problems using SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.

By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.

The workaround is to perform "symcfg discover" after rebooting.

- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.

- Driver Version 2.21a7.
- Firmware Version 3.90a7.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Driver Version 8.1.5.20.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- QLogic SanBlade Manager is not supported.
- Firmware Version 1.80a3.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**
- Refer to the Stratus, Bull or NEC documentation for hardware, software and non-storage related setup and configuration.
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.

SUPERMICRO

SUPERMICRO – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Super P3TDL3 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP982-E ^{7, 9, 15, 16} ; QLogic QLA2200F-EMC ^{12, 13}	FC-AL, FC-SW	Y
2	Super S2DL3 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{9, 17, 18} , LP10000DC-E ^{9, 17, 18} , LP1050-E ^{9, 18, 19} , LP1050DC-E ^{9, 18, 19} , LP8000-EMC ^{8, 9, 14} , LP850-EMC ^{8, 9, 10} , LP9002-E (LP9002L-E) ^{2, 6, 7, 8, 9, 10} , LP9002DC-E ^{2, 7, 8, 9, 10, 11} , LP9802-E ^{9, 15, 16} , LP9802DC-E ^{2, 9, 15, 16} , LP982-E ^{7, 9, 15, 16} ; QLogic: QLA2200F-EMC ^{12, 13} , QLA2310F-E-SP ^{2, 3, 5} , QLA2340-E-SP ^{2, 3, 5} , QLA2342-E-SP ^{2, 3, 5}	FC-AL, FC-SW	Y
3	Super P3TDL3 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{9, 17, 18} , LP10000DC-E ^{9, 17, 18} , LP1050-E ^{9, 18, 19} , LP1050DC-E ^{9, 18, 19} , LP8000-EMC ^{8, 9, 14} , LP850-EMC ^{8, 9, 10} , LP9002-E (LP9002L-E) ^{2, 6, 7, 8, 9, 10} , LP9002DC-E ^{2, 7, 8, 9, 10, 11} , LP9802-E ^{9, 15, 16} , LP9802DC-E ^{2, 9, 15, 16} ; QLogic: QLA2310F-E-SP ^{2, 3, 5} , QLA2340-E-SP ^{2, 3, 5} , QLA2342-E-SP ^{2, 3, 5}	FC-AL, FC-SW	Y
4	Super P3TDL3 ⁴	PCI	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP982-E ^{7, 9, 16}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- 64-bit slots for 3.3v HBAs only.
- Driver Version 8.2.3.21.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Driver Version 2.21a7.
- Firmware Version 3.90a7.
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.

- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Driver Version 8.1.5.20.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 1.80a3.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

Stratus

Stratus – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	ftServer 6500 ^{4, 6, 9, 18, 19, 20}	PCI	Microsoft Windows 2000 Advanced Server SP3 ^{1, 17}	QLogic QLA2310F-E-SP2, 3, 10	FC-AL, FC-SW	N
2	ftServer: 3210 ^{4, 5, 6, 7, 8, 9} , 3220 ^{4, 5, 6, 7, 8, 9} , 3300 ^{4, 9, 14, 15, 16, 5200^{4, 6, 11, 12, 13}}	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ^{1, 17} , SP4 ¹	QLogic QLA2310F-E-SP2, 3, 10	FC-AL, FC-SW	N
3	ftServer: 5240 ^{4, 6, 9, 18, 19, 20} , 5600 ^{9, 21} , 6600 ^{9, 21}	PCI	Microsoft Windows 2000 Advanced Server: SP3 ^{1, 17} , SP4 ¹	QLogic QLA2310F-E-SP2, 3, 10	FC-AL, FC-SW	N

- EMC recommends that HBAs of different vendors not be used in the same host server.
- By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases. The workaround is to perform "symcfg discover" after rebooting.
- Supports Stratus OS 1.2.2.X through 2.1.X.
- Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
- Requires Stratus ftServer OS 1.4.x or greater.
- ftServer OS 1.4.x requires PowerPath 3.0.2.
- ftServer OS 2.1.x requires PowerPath 3.0.5 or greater.
- Driver Version 8.2.3.21.
- Supports Stratus OS 1.2.2.X through 1.4.X.
- Requires PowerPath 3.0.2.
- Requires Stratus ftServer OS 1.4.x.
- Supports Stratus OS 2.0.X through 2.1.X.
- Requires Stratus ftServer OS 2.0.x or greater.
- ftServer OS 2.0.x requires PowerPath 3.0.2.
- Refer to the Stratus, Bull or NEC documentation for hardware, software and non-storage related setup and configuration.
- Supports Stratus OS 1.3.X through 2.1.X.
- Requires Stratus ftServer OS 1.4.x or 2.1.x.
- ftServer OS 1.4 requires PowerPath 3.0.2.
- Requires Stratus ftServer OS 2.1.x.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.

By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.

The workaround is to perform "symcfg discover" after rebooting.

Supports Stratus OS 1.2.2.X through 2.1.X.

Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.

Requires Stratus ftServer OS 1.4.x or greater.

ftServer OS 1.4.x requires PowerPath 3.0.2.

ftServer OS 2.1.x requires PowerPath 3.0.5 or greater.

Driver Version 8.2.3.21.

Supports Stratus OS 1.2.2.X through 1.4.X.

Requires PowerPath 3.0.2.

Requires Stratus ftServer OS 1.4.x.

Supports Stratus OS 2.0.X through 2.1.X.

Requires Stratus ftServer OS 2.0.x or greater.

ftServer OS 2.0.x requires PowerPath 3.0.2.

Refer to the Stratus, Bull or NEC documentation for hardware, software and non-storage related setup and configuration.

Supports Stratus OS 1.3.X through 2.1.X.

Requires Stratus ftServer OS 1.4.x or 2.1.x.

ftServer OS 1.4 requires PowerPath 3.0.2.

Requires Stratus ftServer OS 2.1.x.

Unisys

Unisys – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Libra Model 180 ^{6, 9}	Mainframe Bus, PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{4, 7, 11} , LP850-EMC ^{4, 7, 8} , LP9002-E (LP9002L-E) ^{2, 3, 4, 5, 7, 8} , LP9002DC-E ^{3, 4, 5, 7, 8, 10} , LP982-E ^{7, 14, 15}	FC-AL, FC-SW	Y
2	Libra Model 185	Mainframe Bus, PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{4, 7, 11} , LP850-EMC ^{4, 7, 8} , LP9002-E (LP9002L-E) ^{2, 3, 4, 5, 7, 8} , LP9002DC-E ^{3, 4, 5, 7, 8, 10} , LP982-E ^{7, 14, 15} ; Unisys: FCH720111-P64 (LP8000-D1) ⁷ , FCH720113-P64 (LP8000-EMC, LP8000-F1) ⁷	FC-AL, FC-SW	Y
3	Libra Model 180 ^{6, 9}	Mainframe Bus, PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys: FCH720111-P64 (LP8000-D1) ⁷ , FCH720113-P64 (LP8000-EMC, LP8000-F1) ⁷	FC-AL, FC-SW	Y
4	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	Emulex LP9802-E ^{3, 7, 14}	FC-AL, FC-SW	Y
5	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹	Emulex LP982-E ^{7, 14, 15}	FC-AL, FC-SW	Y
6	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{7, 12, 20} , LP10000DC-E ^{7, 12, 20} , LP1050-E ^{7, 20, 21} , LP1050DC-E ^{7, 20, 21} , LP850-EMC ^{7, 8, 10} , LP9002-E (LP9002L-E) ^{2, 3, 5, 7, 8, 10} , LP9002DC-E ^{3, 4, 5, 7, 8, 10} , LP9802DC-E ^{3, 7, 14, 15} ; QLogic QLA2200F-EMC ¹⁹ ; Unisys FCH732213-P64 (LP9002L-F2) ^{7, 8, 10}	FC-AL, FC-SW	Y
7	ES7000/100	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{7, 12, 20} , LP10000DC-E ^{7, 12, 20} , LP1050-E ^{7, 20, 21} , LP1050DC-E ^{7, 20, 21} , LP850-EMC ^{7, 8, 10} , LP982-E ^{7, 14, 15} ; Unisys FCH732213-P64 (LP9002L-F2) ^{7, 8, 10}	FC-AL, FC-SW	Y
8	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{7, 12, 20} , LP10000DC-E ^{7, 12, 20} , LP1050-E ^{7, 20, 21} , LP1050DC-E ^{7, 20, 21} , LP850-EMC ^{7, 8, 10} ; QLogic QLA2200F-EMC ¹⁹ ; Unisys FCH732213-P64 (LP9002L-F2) ^{7, 8, 10}	FC-AL, FC-SW	Y
9	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{7, 12, 20} , LP10000DC-E ^{7, 12, 20} , LP1050-E ^{7, 20, 21} , LP1050DC-E ^{7, 20, 21} ; Unisys FCH732213-P64 (LP9002L-F2) ^{7, 8, 10}	FC-AL, FC-SW	Y
10	ES7000/550	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys FCH732213-P64 (LP9002L-F2) ^{7, 8, 10}	FC-AL, FC-SW	Y

Unisys – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
11	ES7000/100; ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server SP2 ¹	Emulex: LP9002-E (LP9002L-E) ^{2, 3, 5, 7, 8, 10} , LP9002DC-E ^{3, 4, 5, 7, 8, 10}	FC-AL, FC-SW	Y
12	ES7000/100; ES7000/200; ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{7, 11}	FC-AL, FC-SW	Y
13	ES2023; ES2024; ES2043; ES2044; ES2045; ES2085; ES5024; ES5043; ES5044; ES5045; ES5085	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{7, 11} ; Unisys: FCH720111-P64 (LP8000-D1) ^{7, 8} , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{7, 8, 10}	FC-AL, FC-SW	Y
14	CS7101 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{7, 11} , LP850-EMC ^{7, 8} , LP9002-E (LP9002L-E) ^{7, 8} , LP9002DC-E ^{7, 8} , LP982-E ^{7, 14} ; QLogic QLA2340-E-SP ^{16, 17}	FC-AL, FC-SW	Y
15	ES2025	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys: FCH720111-P64 (LP8000-D1) ^{7, 8} , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{7, 8, 10}	FC-AL, FC-SW	Y
16	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex LP982-E ^{3, 5, 7, 14, 15}	FC-AL, FC-SW	Y
17	ES2023; ES2024; ES2025; ES2043; ES2044; ES2045; ES2085; ES5024; ES5043; ES5044; ES5045; ES5085	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys: FCH720111-P64 (LP8000-D1) ⁷ , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{7, 10}	FC-AL, FC-SW	Y
18	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{7, 8, 11}	FC-AL, FC-SW	Y
19	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP9802-E ^{7, 14, 15} , LP9802DC-E ^{3, 7, 14, 15} , LP982-E ^{5, 7, 14, 15}	FC-AL, FC-SW	Y
20	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP9802DC-E ^{3, 7, 14, 15} , LP982-E ^{5, 7, 14, 15}	FC-AL, FC-SW	Y
21	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server SP2 ¹	Emulex LP8000-EMC ^{7, 8, 11} ; QLogic: QLA2340-E-SP ^{3, 17} , QLA2342-E-SP ^{3, 17}	FC-AL, FC-SW	Y
22	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server SP2 ¹	Emulex: LP8000-EMC ^{7, 8, 11} , LP9002-E (LP9002L-E) ^{2, 7, 8} , LP9002DC-E ^{3, 4, 5, 7, 8, 10} ; QLogic: QLA2340-E-SP ^{3, 17} , QLA2342-E-SP ^{3, 17}	FC-AL, FC-SW	Y
23	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP9802-E ^{3, 7, 14, 15} ; QLogic: QLA2340-E-SP ^{3, 17} , QLA2342-E-SP ^{3, 17}	FC-AL, FC-SW	Y
24	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex LP9802-E ^{7, 14, 15}	FC-AL, FC-SW	Y
25	ES7000/100; ES7000/230	PCI	Microsoft Windows 2000 Datacenter SP2 ¹	Emulex LP9802-E ^{7, 14, 15}	FC-AL, FC-SW	Y
26	ES7000/230	PCI	Microsoft Windows 2000 Datacenter SP3 ¹	Emulex LP9802-E ^{5, 7, 14, 15}	FC-AL, FC-SW	Y
27	ES7000/230	PCI	Microsoft Windows 2000 Datacenter SP4 ¹	Emulex LP9802-E ^{3, 5, 7, 14, 15}	FC-AL, FC-SW	Y
28	ES7000/230	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	Emulex LP982-E ^{5, 7, 14, 15}	FC-AL, FC-SW	Y
29	ES7000/200	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{7, 10, 11}	FC-AL, FC-SW	Y
30	ES7000/230	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex LP8000-EMC ^{7, 10, 11} ; QLogic: QLA2340-E-SP ^{3, 16, 17} , QLA2342-E-SP ^{3, 16, 17}	FC-AL, FC-SW	Y

Unisys – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
31	ES7000/100; ES7000/200; ES7000/230	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{7, 12, 20} , LP10000DC-E ^{7, 12, 20} , LP1050-E ^{7, 20, 21} , LP1050DC-E ^{7, 20, 21} ; HPQ D8602A (Agilent HHBA-5101B) ^{1, 18}	FC-AL, FC-SW	N
32	CS7211	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E ^{7, 12, 20} , LP10000DC-E ^{7, 12, 20} , LP1050-E ^{7, 20, 21} , LP1050DC-E ^{7, 20, 21} ; Unisys: FCH720111-P64 (LP8000-D1) ⁷ , FCH720113-P64 (LP8000-EMC, LP8000-F1) ⁷ , FCH732213-P64 (LP9002L-F2) ⁷	FC-AL, FC-SW	Y
33	ES7000/100	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{7, 10, 11} , LP9802DC-E ^{3, 7, 14, 15} ; QLogic QLA2340-E-SP ^{3, 16, 17}	FC-AL, FC-SW	Y
34	ES7000/100	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{7, 8, 11, 12} , LP9002-E (LP9002L-E) ^{2, 3, 5, 7, 8, 10, 12} , LP9002DC-E ^{3, 4, 5, 7, 8, 10, 12} ; QLogic: QLA2310F-E-SP ^{16, 17} , QLA2342-E-SP ^{16, 17}	FC-AL, FC-SW	Y
35	ES7000/200	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{7, 8, 11, 12} , LP9002-E (LP9002L-E) ^{2, 3, 5, 7, 8, 10, 12} , LP9002DC-E ^{3, 4, 5, 7, 8, 10, 12} ; QLogic: QLA2340-E-SP ^{3, 16, 17} , QLA2342-E-SP ^{3, 16, 17}	FC-AL, FC-SW	Y
36	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	Emulex: LP8000-EMC ^{7, 8, 11, 12} , LP9002-E (LP9002L-E) ^{2, 7, 8, 12} , LP9002DC-E ^{3, 4, 5, 7, 8, 10, 12} ; QLogic: QLA2340-E-SP ^{3, 16, 17} , QLA2342-E-SP ^{3, 16, 17}	FC-AL, FC-SW	Y
37	ES7000/100; ES7000/200	PCI	Microsoft Windows 2000 Datacenter: SP3 ¹ , SP4 ¹	Emulex LP9802-E ^{5, 7, 14, 15}	FC-AL, FC-SW	Y
38	ES7000/100	PCI	Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	QLogic QLA2340-E-SP ^{16, 17}	FC-AL, FC-SW	Y
39	CS7211	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Datacenter SP2 ¹ , Datacenter SP3 ¹ , Datacenter SP4 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP8000-EMC ^{4, 7, 11} , LP850-EMC ^{4, 7, 8} , LP9002-E (LP9002L-E) ^{2, 3, 4, 5, 7, 8} , LP9002DC-E ^{3, 4, 5, 7, 8, 10} , LP982-E ^{7, 14, 15}	FC-AL, FC-SW	Y
40	CS7201 ⁶ ; LX7100; Libra Model 180 ^{6, 9}	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹ , Server SP3 ¹ , Server SP4 ¹	Emulex: LP8000-EMC ^{4, 7, 11} , LP850-EMC ^{4, 7, 8} , LP9002-E (LP9002L-E) ^{2, 3, 4, 5, 7, 8} , LP9002DC-E ^{3, 4, 5, 7, 8, 10} , LP982-E ^{7, 14, 15}	FC-AL, FC-SW	Y
41	ES3000	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Professional: SP1 ¹ , SP2 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys: FCH732213-P64 (LP9002L-F2) ^{7, 8} , FCH742313-P64 (LP9802) ^{7, 12, 14}	FC-AL, FC-SW	Y
42	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys FCH720111-P64 (LP8000-D1) ^{7, 8}	FC-AL ¹³ , FC-SW	Y
43	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{7, 8, 10}	FC-AL ¹³ , FC-SW	Y
44	ES7000/100; ES7000/200; ES7000/550	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys: FCH720111-P64 (LP8000-D1) ^{7, 8} , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{7, 8, 10}	FC-AL ¹³ , FC-SW	Y
45	ES7000/100; ES7000/200; ES7000/230; ES7000/550	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys: FCH720111-P64 (LP8000-D1) ⁷ , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{7, 10}	FC-AL ¹³ , FC-SW	Y
46	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLogic QLA2310F-E-SP ^{3, 17}	FC-AL ¹³ , FC-SW	Y
47	ES7000/200; ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server SP2 ¹	QLogic QLA2310F-E-SP ^{3, 17}	FC-AL ¹³ , FC-SW	Y
48	ES7000/200; ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	QLogic QLA2310F-E-SP ^{3, 16, 17}	FC-AL ¹³ , FC-SW	Y
49	ES7000/230	PCI	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Unisys FCH720111-P64 (LP8000-D1) ^{7, 8, 10}	FC-AL ¹³ , FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Hardware and adapters similar to Unisys ES7000-100, ES7000-200.
- Driver Version 2.21a7.
- Firmware Version 3.90a7.
- The Libra 18x includes native MCP, and Virtual Machine for MCP (Windows MCPvm) partitions

10. Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without –EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.

11. The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
12. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
13. Supported by direct attach only
14. Firmware Version 1.01a2.
15. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
16. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
17. Driver Version 8.2.3.21.
18. (HHBA–5101BK–01)
19. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
20. Firmware Version 1.80a3.
21. **Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

Microsoft Windows 2003

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiON non–disruptive upgrades for Windows systems booting from CLARiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

Bull

Bull – Microsoft Windows 2003						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800: 320Lb, 320Lb–R, 330Mb–R ^{6, 7} , 340Ha–R	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	QLogic QLA2310F–E–SP ^{2, 3, 4, 5}	FC–AL, FC–SW	N
2	NovaScale: 4020 (Itanium2), 4040 (Itanium2), 5080 (Itanium2), 5160 (Itanium2)	PCI–X	Microsoft Windows 2003 64–Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex LP9802–E ^{8, 9, 10, 11, 12, 13}	FC–AL, FC–SW	N

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. Qlogic SANSurfer/SANblade Manager is not supported.
3. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
4. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
5. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
6. Supports Stratus OS 1.3.X through 2.1.X.
7. Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
8. **QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
9. **FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.**
10. Emulex driver and BIOS available from <http://www.emulex.com>.
11. **PowerPath requires driver 1.01x1 with Firmware 1.01A2 and StorPORT fix Q823728**
12. Driver Version Emulex SCSI port driver v2.21a7.
13. Driver Version Emulex StorPORT driver v1.01x1.

Dell

Dell – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge: 1550, 2450, 2500, 2550 ⁹ , 6400, 6450, 8450, PowerVault: 770N, 775N	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000–E ^{3, 4, 10} , LP10000DC–E ^{3, 4, 10} , LP1050–E ^{3, 4, 10} , LP1050DC–E ^{3, 4, 10} , LP8000–EMC ^{2, 3, 4, 5} , LP9002–E (LP9002L–E) ^{3, 4, 5} , LP9002DC–E ^{3, 4, 5} , LP9802–E ^{3, 4, 6} , LP9802DC–E ^{3, 4, 6} , LP982–E ^{3, 4, 6} , QLogic: QLA2310F–E–SP ^{7, 8} , QLA2340–E–SP ^{7, 8} , QLA2342–E–SP ^{7, 8}	FC–AL, FC–SW	Y	
2	PowerEdge 3250 (Itanium 2)	PCI–X	Microsoft Windows 2003 64–Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP10000–E ^{10, 12} , LP10000DC–E ^{10, 12} , LP1050–E ^{10, 12} , LP1050DC–E ^{10, 12} , LP9802–E ^{6, 12} , LP9802DC–E ^{6, 12} , LP982–E ^{6, 12} , QLogic: QLA2340–E–SP ⁷ , QLA2342–E–SP ⁷	FC–AL, FC–SW	N	See ¹¹
3	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6600, 6650	PCI–X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000–E ^{3, 4, 10} , LP10000DC–E ^{3, 4, 10} , LP1050–E ^{3, 4, 10} , LP1050DC–E ^{3, 4, 10} , LP8000–EMC ^{2, 3, 4, 5} , LP9002–E (LP9002L–E) ^{3, 4, 5} , LP9002DC–E ^{3, 4, 5} , LP9802–E ^{3, 4, 6} , LP9802DC–E ^{3, 4, 6} , LP982–E ^{3, 4, 6} , QLogic: QLA2310F–E–SP ^{7, 8} , QLA2340–E–SP ^{7, 8} , QLA2342–E–SP ^{7, 8}	FC–AL, FC–SW	Y	

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
3. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
4. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
5. Firmware Version 3.90a7.
6. Firmware Version 1.01a2.
7. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
8. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
9. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
10. Firmware Version 1.80a3.
11. **No EMC Layered Applications supported on IA64 server platforms**
12. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

Fujitsu Siemens

Fujitsu Siemens – Microsoft Windows 2003						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450, RX100, T850	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition	Emulex: LP8000-EMC ^{2,3,4,5} , LP9002-E (LP9002L-E) ^{3,4,5} , LP9802-E ^{3,4,6}	FC-AL, FC-SW	Y
2	Primergy: F250 ⁷ , H250 ⁷ , H450, N800, RX200, RX300, TX200, TX300	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition	Emulex: LP8000-EMC ^{2,3,4,5} , LP9002-E (LP9002L-E) ^{3,4,5} , LP9802-E ^{3,4,6}	FC-AL, FC-SW	Y
3	Primergy: RX600, RX800, TX600	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition	Emulex: LP8000-EMC ^{2,3,4,5} , LP9002-E (LP9002L-E) ^{3,4,5} , LP9802-E ^{3,4,6}	FC-AL, FC-SW	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
3. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
4. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
5. Firmware Version 3.90a7.
6. Firmware Version 1.01a2.
7. Must use standard PCI 32bit/33MHz slot for SCSI

HPQ

HPQ – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Proliant 7000 ^{6,12}	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex LP9002-E (LP9002L-E) ^{3,4,5} ; HPQ FCA2101 (LP952) ^{3,13,14,15}	FC-AL, FC-SW	Y	
2	Proliant: 8500, DL320 ⁶ , DL360(G2) ⁶ , DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL580 ⁶ , ML350(G2) ⁶ , ML350(G3), ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570 ⁶ , ML750 ⁶	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3,5,11} , LP10000DC-E ^{3,5,11} , LP1050-E ^{3,5,11} , LP1050DC-E ^{3,5,11} , LP8000-EMC ^{2,3,4,5} , LP9002-E (LP9002L-E) ^{3,4,5} , LP9002DC-E ^{3,4,5} , LP9802-E ^{3,5,7} , LP9802DC-E ^{3,5,7} , LP982-E ^{3,5,7} ; HPQ: A7298A (LP982) ^{3,5,7} , DS-KGPSA-CA (LP8000) ^{3,4,5} , DS-KGPSA-CB (LP8000) ^{3,4,5} , DS-KGPSA-CY (LP8000) ^{3,4,5} , FCA2101 (LP952) ^{3,13,14,15} , FCA2214 (QLA2340) ^{8,9} , FCA2214DC (QLA2342) ^{8,9} , FCA2384 (LP9802) ^{3,5,7} , FCA2404 (LP9802) ^{3,5,7} , FCA2404DC (LP9802DC) ^{3,5,7} , FCA2408 (LP982) ^{3,5,7} ; QLLogic: QLA2310F-E-SP ^{8,9} , QLA2340-E-SP ^{8,9} , QLA2342-E-SP ^{8,9}	FC-AL, FC-SW	Y	
3	Proliant 3000 ⁶	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP8000-EMC ^{2,3,4,5} , LP9002-E (LP9002L-E) ^{3,4,5} ; HPQ: DS-KGPSA-CA (LP8000) ^{3,4,5} , DS-KGPSA-CB (LP8000) ^{3,4,5} , DS-KGPSA-CY (LP8000) ^{3,4,5} , FCA2101 (LP952) ^{3,13,14,15}	FC-AL, FC-SW	Y	
4	Proliant 6500 ^{6,12}	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP8000-EMC ^{2,3,4,5} , LP9002-E (LP9002L-E) ^{3,4,5} , LP9002DC-E ^{3,4,5} ; HPQ: DS-KGPSA-CA (LP8000) ^{3,4,5} , DS-KGPSA-CB (LP8000) ^{3,4,5} , DS-KGPSA-CY (LP8000) ^{3,4,5} , FCA2101 (LP952) ^{3,13,14,15} , FCA2214 (QLA2340) ^{8,9} , FCA2214DC (QLA2342) ^{8,9} ; QLLogic: QLA2310F-E-SP ^{8,9} , QLA2340-E-SP ^{8,9} , QLA2342-E-SP ^{8,9}	FC-AL, FC-SW	Y	
5	Proliant: BL40p, DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁶ , ML570(G2)	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3,5,11} , LP10000DC-E ^{3,5,11} , LP1050-E ^{3,5,11} , LP1050DC-E ^{3,5,11} , LP8000-EMC ^{2,3,4,5} , LP9002-E (LP9002L-E) ^{3,4,5} , LP9002DC-E ^{3,4,5} , LP9802-E ^{3,5,7} , LP9802DC-E ^{3,5,7} , LP982-E ^{3,5,7} ; HPQ: A7298A (LP982) ^{3,5,7} , DS-KGPSA-CA (LP8000) ^{3,4,5} , DS-KGPSA-CB (LP8000) ^{3,4,5} , DS-KGPSA-CY (LP8000) ^{3,4,5} , FCA2101 (LP952) ^{3,13,14,15} , FCA2214 (QLA2340) ^{8,9} , FCA2214DC (QLA2342) ^{8,9} , FCA2384 (LP9802) ^{3,5,7} , FCA2404 (LP9802) ^{3,5,7} , FCA2404DC (LP9802DC) ^{3,5,7} , FCA2408 (LP982) ^{3,5,7} ; QLLogic: QLA2310F-E-SP ^{8,9} , QLA2340-E-SP ^{8,9} , QLA2342-E-SP ^{8,9}	FC-AL, FC-SW	Y	
6	Proliant BL20p (G2)	PCI-X ¹	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	HPQ Dual-port mezzanine controller card ^{8,9}	FC-AL, FC-SW	Y	
7	Integrity: RX2600 (Itanium2), RX5670 (Itanium2)	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP10000-E ¹⁷ , LP10000DC-E ¹⁷ , LP1050-E ¹⁷ , LP1050DC-E ¹⁷ , LP8000-EMC ^{2,4,17} , LP9002-E (LP9002L-E) ^{4,17} , LP9002DC-E ^{4,17} , LP9802-E ¹⁷ , LP9802DC-E ¹⁷ , LP982-E ¹⁷ ; HPQ AB232A (LP9802) ^{7,17} ; QLLogic: QLA2310F-E-SP ⁹ , QLA2340-E-SP ⁹ , QLA2342-E-SP ⁹	FC-AL, FC-SW	N	See ¹⁶
8	Proliant: DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL580(G2) ⁶ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3,5,11} , LP10000DC-E ^{3,5,11} , LP1050-E ^{3,5,11} , LP1050DC-E ^{3,5,11} , LP8000-EMC ^{2,3,4,5} , LP9002-E (LP9002L-E) ^{3,4,5} , LP9002DC-E ^{3,4,5} , LP9802-E ^{3,5,7} , LP9802DC-E ^{3,5,7} , LP982-E ^{3,5,7} ; HPQ: A7298A (LP982) ^{3,5,7} , DS-KGPSA-CA (LP8000) ^{3,4,5} , DS-KGPSA-CB (LP8000) ^{3,4,5} , DS-KGPSA-CY (LP8000) ^{3,4,5} , FCA2101 (LP952) ^{3,13,14,15} , FCA2214 (QLA2340) ^{8,9} , FCA2214DC (QLA2342) ^{8,9} , FCA2384 (LP9802) ^{3,5,7} , FCA2404 (LP9802) ^{3,5,7} , FCA2404DC (LP9802DC) ^{3,5,7} , FCA2408 (LP982) ^{3,5,7} ; QLLogic: QLA2310F-E-SP ^{8,9} , QLA2340-E-SP ^{8,9} , QLA2342-E-SP ^{8,9}	FC-AL, FC-SW	Y	
9	Proliant: 6500 ^{6,12} , 8500, DL320 ⁶ , DL360(G2) ⁶ , DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL580 ⁶ , ML350(G2) ⁶ , ML350(G3), ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570 ⁶ , ML750 ⁶	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	HPQ: FCA2354 (LP9002) ^{3,4,5} , FCA2355 (LP9002DC) ^{3,4,5}	FC-SW	Y	

HPQ – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
10	Proliant: BL40p, DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁶ , ML570(G2)	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	HPQ: FCA2354 (LP9002) ^{3, 4, 5} , FCA2355 (LP9002DC) ^{3, 4, 5}	FC-SW	Y	
11	Proliant: DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL580(G2) ⁶ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	HPQ: FCA2354 (LP9002) ^{3, 4, 5} , FCA2355 (LP9002DC) ^{3, 4, 5}	FC-SW	Y	

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb:\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb:[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Firmware Version 3.90a7.
- Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Firmware Version 1.01a2.
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb:\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb:[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Dual port PCI-X fibre channel mezzanine card option is embedded. No PCI/PCI-X slots available.
- Firmware Version 1.80a3.
- Includes both Pentium PRO and XEON models
- Firmware Version 3.90a7. Contact HPQ for supported firmware versions for this HBA.
- Driver Version 2.21a7. EMC does not support the Emulex equivalent of the FCA2101 (LP952.) Use EMC supported driver for LP9002 from <http://www.emulex.com>.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.**
- No EMC Layered Applications supported on IA64 server platforms**
- Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb:\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb:[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

IBM

IBM – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x350 (6000R), x370	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 4, 18} , LP10000DC-E ^{3, 4, 18} , LP1050-E ^{3, 4, 18} , LP1050DC-E ^{3, 4, 18} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9002DC-E ^{3, 4, 5} , LP9802-E ^{3, 4, 6} , LP9802DC-E ^{3, 4, 6} , LP982-E ^{3, 4, 6} , IBM: 19K1246(QLA2310) ^{7, 8, 10} , 24P0960(QLA2340) ^{7, 8, 9} , QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y	
2	xSeries: x235, x255, x360, x440	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 4, 18} , LP10000DC-E ^{3, 4, 18} , LP1050-E ^{3, 4, 18} , LP1050DC-E ^{3, 4, 18} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9002DC-E ^{3, 4, 5} , LP9802-E ^{3, 4, 6} , LP9802DC-E ^{3, 4, 6} , LP982-E ^{3, 4, 6} , IBM: 19K1246(QLA2310) ^{7, 8, 10} , 24P0960(QLA2340) ^{7, 8, 9} , QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y	
3	eServer BladeCenter HS20 (Model: 8678) ¹¹ , 8832) ¹¹	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{19, 20}	FC-AL, FC-SW	Y	
4	xSeries x450	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP10000-E ^{18, 22} , LP10000DC-E ^{18, 22} , LP1050-E ^{18, 22} , LP1050DC-E ^{18, 22} , LP9802-E ^{6, 22} , LP9802DC-E ^{6, 22} , LP982-E ^{6, 22} , QLogic: QLA2340-E-SP ⁷ , QLA2342-E-SP ⁷	FC-AL, FC-SW	N	See ²¹
5	xSeries: x345, x445	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 4, 18} , LP10000DC-E ^{3, 4, 18} , LP1050-E ^{3, 4, 18} , LP1050DC-E ^{3, 4, 18} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9002DC-E ^{3, 4, 5} , LP9802-E ^{3, 4, 6} , LP9802DC-E ^{3, 4, 6} , LP982-E ^{3, 4, 6} , IBM: 19K1246(QLA2310) ^{7, 8, 10} , 24P0960(QLA2340) ^{7, 8, 9} , QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y	
6	eServer BladeCenter HS20 (Model: 8678) ¹¹ , 8832) ¹¹	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{12, 13, 14, 15, 16, 17} , 02R9080 ^{15, 17}	FC-SW	Y	

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb:\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb:[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Firmware Version 3.90a7.
- Firmware Version 1.01a2.
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb:\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb:[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- This HBA is equivalent to the qLogic QLA2340.
- This HBA is equivalent to the qLogic QLA2310.
- EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
- Driver Version 8.2.3.21.
- Driver Version 8.2.3.27. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb:\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb:[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.**
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Due to the HS20's embedded FC-SW design, EMC Volume Logix is required to assign LUNS to each individual blade server.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
- Firmware Version 1.80a3.
- Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)**
- Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.**
- No EMC Layered Applications supported on IA64 server platforms**

22. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

NCR

NCR – Microsoft Windows 2003						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Worldmark 45xx	MCA	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 5, 9} , LP10000DC-E ^{3, 5, 9} , LP1050-E ^{3, 5, 9} , LP1050DC-E ^{3, 5, 9} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9002DC-E ^{3, 4, 5} , LP9802-E ^{3, 5, 6} , LP9802DC-E ^{3, 5, 6} , LP982-E ^{3, 5, 6} , QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y
2	Worldmark: 4500, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 5, 9} , LP10000DC-E ^{3, 5, 9} , LP1050-E ^{3, 5, 9} , LP1050DC-E ^{3, 5, 9} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9002DC-E ^{3, 4, 5} , LP9802-E ^{3, 5, 6} , LP9802DC-E ^{3, 5, 6} , LP982-E ^{3, 5, 6} , QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 3.90a7.
- Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Firmware Version 1.01a2.
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Firmware Version 1.80a3.

NEC

NEC – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800 320Mc-R	PCI	Microsoft Windows 2003 Enterprise Edition (Advanced Server) ¹	NEC N8803-031 (QLA2310F) ^{7, 8, 12, 19} , QLogic QLA2310F-E-SP ^{7, 8, 12, 19}	FC-AL, FC-SW	N	
2	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4, 180Rc-4	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 5, 13} , LP10000DC-E ^{3, 5, 13} , LP1050-E ^{3, 5, 13} , LP1050DC-E ^{3, 5, 13} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9002DC-E ^{3, 4, 5} , LP9802-E ^{3, 5, 6} , LP9802DC-E ^{3, 5, 6} , LP982-E ^{3, 5, 6} , NEC N8190-105 ^{3, 4, 5, 22} , QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y	
3	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-2, 140Ha, 140Hb, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 180Ha, 180Rb-7	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	NEC N8190-105 ^{3, 4, 5, 22}	FC-AL, FC-SW	Y	
4	Express 5800: 330Ma-R ⁹ , 330Mb-R ⁹ , 340Ha-R ⁹	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	NEC N8803-031 (QLA2310F) ^{7, 8, 10, 11, 12}	FC-AL, FC-SW	N	
5	Express 5800: 320La-R ⁹ , 320La ⁹ , 320Lb-R ⁹ , 320Lb ⁹	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	NEC N8803-031: (QLA2310F) ^{7, 8} , (QLA2310F) ^{7, 8, 10, 11, 12}	FC-AL, FC-SW	N	
6	Express 5800: 320Lb, 320Lb-R, 330Mb-R ^{20, 21} , 340Ha-R	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	QLogic QLA2310F-E-SP ^{7, 8, 12, 19}	FC-AL, FC-SW	N	
7	Express 5800: 1080Xd, 1160Xd, 1320Xd	PCI, PCI-X	Microsoft Windows 2003 64-Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	NEC: NT2007A-A001 ^{6, 16, 17, 18} , NT2010A-A001 ^{8, 15}	FC-AL, FC-SW	N	See ¹⁴
8	Express 5800: 1020Xd, 1040Xd	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	NEC NTAB232A (LP9802) ^{6, 18}	FC-AL, FC-SW	N	See ¹⁴

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Firmware Version 3.90a7.
- Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 1.01a2.
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Bus Enumeration Issue Causes Problems using SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.

By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases. The workaround is to perform "symcfg discover" after rebooting.

- QLogic SanBlade Manager is not supported.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- QLogic SANSurfer/SANBlade Manager is not supported.
- Firmware Version 1.80a3.
- No EMC Layered Applications supported on IA64 server platforms**
- This HBA is equivalent to the qLogic QLA2340.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- This HBA is equivalent to the Emulex LP982.
- Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Supports Stratus OS 1.3.X through 2.1.X.
- Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
- EMC does not support the Emulex equivalent of N8190-105. Check with NEC on where to download the latest supported firmware and boot BIOS for this adapter.**

Samsung

Samsung – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ES470; ES570	PCI, PCI-X	Microsoft Windows 2003 64-Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex LP982-E ^{2,3} ; QLogic QLA2340-E-SP ⁴	FC-AL, FC-SW	N	See ¹

1. No EMC Layered Applications supported on IA64 server platforms
2. Firmware Version 1.01a2.
3. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
4. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

Stratus

Stratus – Microsoft Windows 2003						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	ftServer: 3300 ^{4,5,6,7,8} , 5240 ^{6,11,12,13,14} , 5600 ^{6,15} , 6500 ^{4,6,11,12,13,14}	PCI	Microsoft Windows 2003 Enterprise Edition (Advanced Server) ¹	QLogic QLA2310F-E-SP ^{2,3,9} , 10	FC-AL, FC-SW	N

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
3. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
4. Bus Enumeration Issue Causes Problems using SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.
By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.
The workaround is to perform "symcfg discover" after rebooting.

5. Supports Stratus OS 2.0.X through 2.1.X.
6. ftServer OS 2.1.x requires PowerPath 3.0.5 or greater.
7. Requires Stratus ftServer OS 2.0.x or greater.
8. ftServer OS 2.0.x requires PowerPath 3.0.2.
9. Qlogic SANSurfer/SANBlade Manager is not supported.
10. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
11. Supports Stratus OS 1.3.X through 2.1.X.
12. Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
13. ftServer OS 1.4 requires PowerPath 3.0.2.
14. Requires Stratus ftServer OS 1.4.x or 2.1.x.
15. Requires Stratus ftServer OS 2.1.x.

Unisys

Unisys – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ES7000/100; ES7000/200; ES7000/230	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP1000-E ^{3,5,9} , LP1000DC-E ^{3,5,9} , LP1050-E ^{3,5,9} , LP1050DC-E ^{3,5,9} , LP8000-EMC ^{2,3,4,5} , LP9002-E (LP9002L-E) ^{3,4,5} , LP9002DC-E ^{3,4,5} , LP9802-E ^{3,5,6} , LP9802DC-E ^{3,5,6} , LP982-E ^{3,5,6} ; QLogic: QLA2310F-E-SP ^{7,8} , QLA2340-E-SP ^{7,8} , QLA2342-E-SP ^{7,8} ; Unisys: FCH720111-P64 (LP8000-D1) ^{3,4,5} , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{3,4,5} , FCH732213-P64 (LP9002L-F2) ^{3,4,5}	FC-AL, FC-SW	Y	
2	ES7000/550	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Unisys FCH732213-P64 (LP9002L-F2) ^{3,4,5}	FC-AL, FC-SW	Y	
3	ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Unisys FCH742313-P64 (LP9802) ^{3,5,6}	FC-AL, FC-SW	Y	
4	ES7000/130; ES7000/410; ES7000/420; ES7000/430	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP9802-E ^{6,11} , LP9802DC-E ^{6,11} , LP982-E ^{6,11} ; QLogic: QLA2340-E-SP ⁷ , QLA2342-E-SP ⁷ ; Unisys FCH742313-P64 (LP9802) ^{6,11}	FC-AL, FC-SW	N	See ¹⁰
5	ES3000	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Unisys: FCH732213-P64 (LP9002L-F2) ^{3,4,5} , FCH742313-P64 (LP9802) ^{3,5,6}	FC-AL, FC-SW	Y	

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
3. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
4. Firmware Version 3.90a7.
5. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
6. Firmware Version 1.01a2.
7. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
8. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
9. Firmware Version 1.80a3.
10. No EMC Layered Applications supported on IA64 server platforms
11. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

Microsoft Windows NT

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.

4) External storage power failure.

5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.

6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN. NOTE: Windows NT installation will fail immediately after installing Network Services for hosts that use an Intel Network Interface Card (NIC).

Bull

Bull – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800: 140Hb, 140Ra4, HV8600, HX4600, MH4500	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 4} , LP850-EMC ^{2, 3} , LP9002-E (LP9002L-E) ^{2, 3, 7, 11, 12} , LP982-E ^{2, 9, 10} , QLogic QLA2340-E-SP ^{5, 6, 7, 8}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Driver Version 2.20a12.
- Firmware Version 3.90a7.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Driver Version 8.1.5.21.
- HBA BIOS is 1.34.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Driver/BIOS are available at <http://www.qlogic.com>
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.

DG

DG – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	AViiON AV8950 ¹⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2200F-EMC ^{10, 11}	FC-AL	Y
2	AViiON AV8950	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{2, 3, 12, 13} , QLogic QLA2340-E-SP ^{4, 5, 6, 7, 8, 9} , QLA2342-E-SP ^{4, 5, 6, 7, 8, 9}	FC-AL, FC-SW	Y
3	AViiON AV8950 ¹⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP850-EMC ^{2, 3, 13} , QLogic QLA2310F-E-SP ^{4, 6, 7}	FC-AL, FC-SW	Y
4	AViiON AV3704	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP850-EMC ^{2, 3} , QLogic QLA2310F-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	Y
5	AViiON: AV2300, AV2700, AV3600, AV3700, AV8700	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP850-EMC ^{2, 3} , QLogic QLA2310F-E-SP ^{4, 6, 7} , QLA2342-E-SP ^{4, 5, 6, 7, 8, 9}	FC-AL, FC-SW	Y
6	AViiON: AV1400, AV2800, AV3704R, AV3800, AV8900, AV8950R	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 12, 13} , LP850-EMC ^{2, 3} , LP9002-E (LP9002L-E) ^{2, 3, 5, 17, 18} , LP982-E ^{3, 15, 16} , QLogic: QLA2200F-EMC ^{10, 11} , QLA2310F-E-SP ^{4, 5, 6, 7} , QLA2340-E-SP ^{4, 5, 6, 7} , QLA2342-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	Y
7	AViiON AV3704 ¹⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 12, 13} , LP9002-E (LP9002L-E) ^{2, 3, 5, 17, 18} , LP982-E ^{3, 15, 16} , QLogic: QLA2200F-EMC ^{10, 11} , QLA2340-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	Y
8	AViiON: AV2300 ¹⁴ , AV2700 ¹⁴ , AV3600 ¹⁴ , AV3700 ¹⁴ , AV8700 ¹⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 12, 13} , LP9002-E (LP9002L-E) ^{2, 3, 5, 17, 18} , LP982-E ^{3, 15, 16} , QLogic: QLA2200F-EMC ^{10, 11} , QLA2340-E-SP ^{4, 5, 6, 7, 8, 9}	FC-AL, FC-SW	Y
9	AViiON AV8600	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 12} , LP850-EMC ^{2, 3} , LP9002-E (LP9002L-E) ^{2, 3, 5, 17, 18} , LP982-E ^{3, 15, 16} , QLogic: QLA2200F-EMC ^{10, 11} , QLA2310F-E-SP ^{4, 5, 6, 7} , QLA2340-E-SP ^{4, 5, 6, 7, 8, 9} , QLA2342-E-SP ^{4, 5, 6, 7, 8, 9}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Firmware Version 3.90a7.
- Driver Version 2.20a12.
- HBA BIOS is 1.34.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Driver/BIOS are available at <http://www.qlogic.com>
- Driver Version 8.1.5.21.
- Qlogic SanBlade Manager is not supported.
- Qlogic SANSurfer/SANBlade Manager is not supported.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Driver Version 8.1.5.20.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Data General servers that are rack-mountable (designated with an "R") are supported.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.

Dell

Dell – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	PowerEdge 2550 ^{8, 9}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{4, 5, 6, 10}	FC-AL, FC-SW	Y
2	PowerEdge 4300 ⁷	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{4, 5, 6, 10} , QLogic: QLA2200F-EMC ^{11, 12} , QLA2310F-E-SP ^{3, 13, 14, 15} , QLA2340-E-SP ^{3, 13, 14, 15} , QLA2342-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y
3	PowerEdge: 1550, 2500, 4300, 4400, 6100, 6300, 6400, 6450, 8450	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP850-EMC ^{5, 6}	FC-AL, FC-SW	Y

Dell – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
4	PowerEdge 2650 ⁷	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 5, 6, 10} , LP850-EMC ^{5, 6} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 16} , LP9002DC-E ^{2, 3, 4, 5, 6} , LP9802-E ^{2, 5, 17, 18} , LP9802DC-E ^{2, 5, 17, 18} , LP982-E ^{2, 5, 17, 18} ; QLogic: QLA2340-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y
5	PowerEdge 1650 ⁷	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 5, 6, 10} , LP850-EMC ^{5, 6} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 16} , LP9802-E ^{2, 5, 17, 18} , LP9802DC-E ^{2, 5, 17, 18} , LP982-E ^{2, 5, 17, 18} ; QLogic: QLA2200F-EMC ^{11, 12} , QLA2310F-E-SP ^{3, 13, 14, 15} , QLA2340-E-SP ^{3, 13, 14, 15} , QLA2342-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y
6	PowerEdge 4350	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 5, 6, 10} , LP850-EMC ^{5, 6} ; QLogic: QLA2200F-EMC ^{11, 12} , QLA2310F-E-SP ^{3, 13, 14, 15} , QLA2340-E-SP ^{3, 13, 14, 15} , QLA2342-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y
7	PowerEdge: 1550 ⁷ , 2500 ⁷ , 4400 ⁷ , 6400 ⁷ , 6450 ⁷ , 8450 ⁷	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 5, 6, 10} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 16} , LP9002DC-E ^{2, 3, 4, 5, 6} , LP9802-E ^{2, 5, 17, 18} , LP9802DC-E ^{2, 5, 17, 18} , LP982-E ^{2, 5, 17, 18} ; QLogic: QLA2200F-EMC ^{11, 12} , QLA2310F-E-SP ^{3, 13, 14, 15} , QLA2340-E-SP ^{3, 13, 14, 15} , QLA2342-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y
8	PowerEdge: 6100 ⁷ , 6300 ⁷	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 5, 6, 10} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 16} , LP9002DC-E ^{2, 3, 4, 5, 6} , LP982-E ^{5, 17, 18} ; QLogic: QLA2200F-EMC ^{11, 12} , QLA2310F-E-SP ^{3, 13, 14, 15} , QLA2340-E-SP ^{3, 13, 14, 15} , QLA2342-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y
9	PowerEdge: 2400 ⁷ , 2450 ⁷	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 5, 6, 10} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 16} , LP9802-E ^{2, 5, 17, 18} , LP9802DC-E ^{2, 5, 17, 18} , LP982-E ^{2, 5, 17, 18} ; QLogic: QLA2200F-EMC ^{11, 12} , QLA2310F-E-SP ^{3, 13, 14, 15} , QLA2340-E-SP ^{3, 13, 14, 15} , QLA2342-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y
10	PowerEdge: 2300 ⁷ , 6350 ⁷	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 5, 6, 10} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 16} , LP982-E ^{5, 17, 18} ; QLogic: QLA2200F-EMC ^{11, 12} , QLA2310F-E-SP ^{3, 13, 14, 15} , QLA2340-E-SP ^{3, 13, 14, 15} , QLA2342-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y
11	PowerEdge: 4600 ⁷ , 6600 ⁷ , 6650 ⁷	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 6, 10} , LP850-EMC ^{5, 6} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 16} , LP9002DC-E ^{2, 3, 4, 5, 6} , LP9802-E ^{2, 5, 17, 18} , LP9802DC-E ^{2, 5, 17, 18} , LP982-E ^{2, 5, 17, 18} ; QLogic: QLA2340-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y
12	PowerEdge 2550 ^{7, 8, 9}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 6, 10} , LP850-EMC ^{5, 6} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 16} , LP9002DC-E ^{2, 3, 4, 5, 6} , LP9802-E ^{2, 5, 17, 18} , LP9802DC-E ^{2, 5, 17, 18} , LP982-E ^{2, 5, 17, 18} ; QLogic: QLA2200F-EMC ^{11, 12} , QLA2310F-E-SP ^{3, 13, 14, 15} , QLA2340-E-SP ^{3, 13, 14, 15} , QLA2342-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y
13	PowerEdge 2600 ⁷	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 6, 10} , LP850-EMC ^{5, 6} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 16} , LP9802-E ^{2, 5, 17, 18} , LP9802DC-E ^{2, 5, 17, 18} , LP982-E ^{2, 5, 17, 18} ; QLogic: QLA2340-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y
14	PowerEdge: 2300, 2400, 2450, 6350	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP850-EMC ^{5, 6} , LP9002DC-E ^{2, 3, 4, 5, 6}	FC-AL, FC-SW	Y
15	PowerEdge: 1550, 1650, 2300, 2400, 2500, 2550 ⁸ , 6100, 6300, 6350, 6400, 6450, 8450	PCI	Microsoft Windows NT 4.0 SP6A ¹	HPQ: A5246A (Agilent HHBA-5000A) ^{1, 19} , D8602A (Agilent HHBA-5101B) ^{1, 20, 21} , D8602B (Agilent HHBA-5101C) ^{1, 21, 22, 23}	FC-AL, FC-SW	N
16	PowerEdge: 2600, 2650	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{4, 5, 6, 10}	FC-AL, FC-SW	Y
17	PowerEdge 2600 ⁷	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP9002DC-E ^{2, 3, 4, 5, 6}	FC-AL, FC-SW	Y
18	PowerEdge 6650	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 5, 6, 10} , LP8000-EMC ^{5, 6, 10} , LP850-EMC ^{5, 6} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 16} , LP9002DC-E ^{2, 3, 4, 5, 6} , LP982-E ^{5, 17, 18} ; QLogic: QLA2340-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y
19	PowerEdge: 4600, 6600	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 5, 6, 10} , LP850-EMC ^{5, 6} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 16} , LP9002DC-E ^{2, 3, 4, 5, 6} , LP982-E ^{5, 17, 18} ; QLogic: QLA2340-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y
20	PowerEdge 1750	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 5, 6, 10} , LP850-EMC ^{5, 6} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 16} , LP9802-E ^{2, 5, 17, 18} , LP9802DC-E ^{2, 5, 17, 18} , LP982-E ^{2, 5, 17, 18} ; QLogic: QLA2200F-EMC ^{11, 12} , QLA2310F-E-SP ^{3, 13, 14, 15} , QLA2340-E-SP ^{3, 13, 14, 15} , QLA2342-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y
21	PowerEdge: 1750, 2600, 2650, 6600, 6650	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	HPQ: A5246A (Agilent HHBA-5000A) ^{1, 19} , D8602A (Agilent HHBA-5101B) ^{1, 20, 21} , D8602B (Agilent HHBA-5101C) ^{1, 21, 22, 23}	FC-AL, FC-SW	N
22	PowerEdge 2650 ⁷	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 5, 6, 10} , LP850-EMC ^{5, 6} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 16} , LP9002DC-E ^{2, 3, 4, 5, 6} , LP982-E ^{5, 17, 18} ; QLogic: QLA2200F-EMC ^{11, 12} , QLA2310F-E-SP ^{3, 13, 14, 15} , QLA2340-E-SP ^{3, 13, 14, 15} , QLA2342-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y
23	PowerEdge: 4600 ⁷ , 6600 ⁷ , 6650 ⁷	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 6, 10} , LP850-EMC ^{5, 6} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 16} , LP9002DC-E ^{2, 3, 4, 5, 6} , LP982-E ^{5, 17, 18} ; QLogic: QLA2200F-EMC ^{11, 12} , QLA2310F-E-SP ^{3, 13, 14, 15} , QLA2340-E-SP ^{3, 13, 14, 15} , QLA2342-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y
24	PowerEdge 2600 ⁷	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 6, 10} , LP850-EMC ^{5, 6} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 16} , LP982-E ^{5, 17, 18} ; QLogic: QLA2200F-EMC ^{11, 12} , QLA2310F-E-SP ^{3, 13, 14, 15} , QLA2340-E-SP ^{3, 13, 14, 15} , QLA2342-E-SP ^{3, 13, 14, 15}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Driver Version 2.20a12.
- Firmware Version 3.90a7.
- If using Dell PERC Controller, requires PERC 3 with OpenManager 3.0 and Array Manager 3.1. The afamgt.sys must be version 2.6.0.3486 (or above)..

8. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
9. Dell PowerEdge supports a maximum of 2 Emulex HBAs at one time and the total power cannot exceed 20 Watts.
10. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
11. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
12. Driver Version 8.1.5.20.
13. Driver Version 8.1.5.21.
14. HBA BIOS is 1.34.
15. Driver/BIOS are available at <http://www.qlogic.com>
16. The LP9002-E now ships with the LP9002L-E low profile adapter.
17. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
18. Firmware Version 1.01a2.
19. Driver Version 2.09D.
20. (HHBA-5101BK-01)
21. Driver Version 2.0.25.44. Driver available at http://h20004.www2.hp.com/keeper_rnotes/bsdmatrix/matrix213991.html
22. Requires manual intervention on bootup to clear "new hardware found" message box at boot time.
23. The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.

Fuji Serv (ICL)

Fuji Serv (ICL) – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	DL; P2000; Trimetra Nova	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 5, 6} , LP850-EMC ^{5, 6} , LP9002-E (LP9002L-E) ^{5, 6, 9, 13, 14} , LP982-E ^{5, 11, 12} ; QLogic QLA2340-E-SP ^{7, 8, 9, 10}	FC-AL, FC-SW	Y
2	P2000	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2200F-EMC ^{2, 3}	FC-SW	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
3. Driver Version 8.1.5.20.
4. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
5. Driver Version 2.20a12.
6. Firmware Version 3.90a7.
7. Driver Version 8.1.5.21.
8. HBA BIOS is 1.34.
9. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
10. Driver/BIOS are available at <http://www.qlogic.com>
11. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
12. Firmware Version 1.01a2.
13. The LP9002-E now ships with the LP9002L-E low profile adapter.
14. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.

Fujitsu Siemens

Fujitsu Siemens – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Primergy RX100	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 9, 10} , LP850-EMC ^{4, 9} , LP9002-E (LP9002L-E) ^{2, 4, 7, 8, 9} , LP9802-E ^{2, 3, 4, 5} , LP9802DC-E ^{2, 3, 4, 5} , LP982-E ^{2, 3, 4, 5}	FC-AL, FC-SW	Y
2	Primergy: F200, H200, H400, K400, L200, N400, P200, P250, R450	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 9, 10} , LP850-EMC ^{4, 9} , LP9002-E (LP9002L-E) ^{2, 4, 7, 8, 9} , LP9802-E ^{2, 3, 4, 5} , LP9802DC-E ^{2, 3, 4, 5} , LP982-E ^{2, 3, 4, 5} ; QLogic QLA2340-E-SP ^{8, 11, 12, 13}	FC-AL, FC-SW	Y
3	Primergy C200	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 9, 10} , LP850-EMC ^{4, 9} , LP9002-E (LP9002L-E) ^{2, 4, 7, 8, 9} , LP9802-E ^{3, 4, 5} , LP9802DC-E ^{3, 4, 5} , LP982-E ^{3, 4, 5} ; QLogic QLA2340-E-SP ^{8, 11, 12, 13}	FC-AL, FC-SW	Y
4	Primergy: B210, E200, N200	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 9, 10} , LP850-EMC ^{4, 9} , LP9002-E (LP9002L-E) ^{2, 4, 7, 8, 9} , LP982-E ^{3, 4, 5} ; QLogic QLA2340-E-SP ^{8, 11, 12, 13}	FC-AL, FC-SW	Y
5	Primergy: RX200, RX300, TX200, TX300	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 9, 10} , LP850-EMC ^{4, 9} , LP9002-E (LP9002L-E) ^{2, 4, 7, 8, 9} , LP9002DC-E ^{2, 4, 8, 9, 14} , LP9802-E ^{2, 3, 4, 5} , LP9802DC-E ^{2, 3, 4, 5} , LP982-E ^{2, 3, 4, 5} ; QLogic QLA2340-E-SP ^{8, 11, 12, 13}	FC-AL, FC-SW	Y
6	Primergy: F250 ⁶ , H250 ⁶ , H450, N800	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 9, 10} , LP850-EMC ^{4, 9} , LP9002-E (LP9002L-E) ^{2, 4, 7, 8, 9} , LP9802-E ^{2, 3, 4, 5} , LP9802DC-E ^{2, 3, 4, 5} , LP982-E ^{2, 3, 4, 5} ; QLogic QLA2340-E-SP ^{8, 11, 12, 13}	FC-AL, FC-SW	Y
7	Primergy: RX600, RX800, TX600	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 9, 10} , LP850-EMC ^{4, 9} , LP9002-E (LP9002L-E) ^{2, 4, 7, 8, 9} , LP9002DC-E ^{2, 4, 8, 9, 14} , LP9802-E ^{2, 3, 4, 5} , LP9802DC-E ^{2, 3, 4, 5} , LP982-E ^{2, 3, 4, 5} ; QLogic QLA2340-E-SP ^{8, 11, 12, 13}	FC-AL, FC-SW	Y
8	Primergy R450	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 9, 10} , LP850-EMC ^{4, 9} , LP9002-E (LP9002L-E) ^{2, 4, 7, 8, 9} , LP982-E ^{3, 4, 5} ; QLogic QLA2340-E-SP ^{8, 11, 12, 13}	FC-AL, FC-SW	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
3. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
4. Driver Version 2.20a12.
5. Firmware Version 1.01a2.
6. Must use standard PCI 32bit/33MHz slot for SCSI
7. The LP9002-E now ships with the LP9002L-E low profile adapter.
8. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
9. Firmware Version 3.90a7.
10. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
11. HBA BIOS is 1.34.
12. Driver/BIOS are available at <http://www.qlogic.com>
13. Driver Version 8.1.5.21.
14. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.

HPQ

HPQ – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Proliant: 1600 ^{5, 26} , 3000 ⁵ , 5000 ⁵ , 5500 ^{5, 25} , 6000 ^{5, 25} , 6500 ^{5, 25} , 7000 ^{5, 25} , 850R ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	HPQ 223180–B21 ²⁴	FC–AL	Y
2	Netserver LH PRO; Proliant 8000: Pro, Xeon; Proliant DL360(G2) ^{5, 28}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000–EMC ^{2, 3, 4, 6}	FC–AL, FC–SW	Y
3	Proliant DL380(G3)	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{2, 3, 4, 6} , LP8000–EMC ^{3, 4, 6} , LP850–EMC ^{3, 4} , LP9002–E (LP9002L–E) ^{3, 4, 12, 15, 18} , LP9802–E ^{3, 15, 16, 17} , LP9802DC–E ^{3, 15, 16, 17} , LP982–E ^{3, 15, 16, 17} ; HPQ: 176479–B21 ^{2, 3, 4} , DS–KGPSA–CB (LP8000) ^{2, 3, 4} , DS–KGPSA–CY (LP8000) ^{2, 3, 4} , FCA2404 (LP9802) ^{3, 17, 29} ; QLogic: QLA2200F–EMC ^{7, 8} , QLA2310F–E–SP ^{11, 12, 13, 14} , QLA2340–E–SP ^{11, 12, 13, 14} , QLA2342–E–SP ^{11, 12, 13, 14}	FC–AL, FC–SW	Y
4	Netserver LX PRO	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{2, 3, 4, 6} , LP850–EMC ^{2, 3, 4} ; QLogic: QLA2200F–EMC ^{7, 8} , QLA2310F–E–SP ^{11, 12, 13, 14} , QLA2340–E–SP ^{11, 12, 13, 14}	FC–AL, FC–SW	Y
5	Netserver LH: 3000, 6000; Netserver LXR: 8000, 8500	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{2, 3, 4, 6} , LP850–EMC ^{3, 4} ; HPQ FCA2404 (LP9802) ^{3, 17, 29} ; QLogic: QLA2200F–EMC ^{7, 8} , QLA2310F–E–SP ^{11, 12, 13, 14} , QLA2340–E–SP ^{11, 12, 13, 14} , QLA2342–E–SP ^{11, 12, 13, 14}	FC–AL, FC–SW	Y
6	Proliant 6400R ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{2, 3, 4, 6} , LP850–EMC ^{3, 4} ; HPQ: 176479–B21 ^{2, 3, 4} , DS–KGPSA–CB (LP8000) ^{2, 3, 4} , DS–KGPSA–CY (LP8000) ^{2, 3, 4} , FCA2404 (LP9802) ^{3, 17, 29} ; QLogic: QLA2200F–EMC ^{7, 8} , QLA2310F–E–SP ^{11, 12, 13, 14} , QLA2340–E–SP ^{11, 12, 13, 14} , QLA2342–E–SP ^{11, 12, 13, 14}	FC–AL, FC–SW	Y
7	Proliant 8500 ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{2, 3, 4, 6} , LP850–EMC ^{3, 4} ; HPQ: 176479–B21 ^{2, 3, 4} , DS–KGPSA–CB (LP8000) ^{2, 3, 4} , DS–KGPSA–CY (LP8000) ^{2, 3, 4} ; QLogic: QLA2200F–EMC ^{7, 8}	FC–AL, FC–SW	Y
8	Proliant 850 ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{2, 3, 4, 6} , LP850–EMC ^{3, 4} ; HPQ: 176479–B21 ^{2, 3, 4} , DS–KGPSA–CB (LP8000) ^{2, 3, 4} , DS–KGPSA–CY (LP8000) ^{2, 3, 4} ; QLogic: QLA2200F–EMC ^{7, 8} , QLA2310F–E–SP ^{11, 12, 13, 14} , QLA2340–E–SP ^{11, 12, 13, 14}	FC–AL, FC–SW	Y
9	Proliant: 1600 ^{5, 26} , 1850 ⁵ , 2500 ⁵ , 5000 ⁵ , 6000 ^{5, 25} , 6500 ^{5, 25} , 8000 ^{5, 25}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{2, 3, 4, 6} , LP850–EMC ^{3, 4} ; HPQ: 176479–B21 ^{2, 3, 4} , DS–KGPSA–CB (LP8000) ^{2, 3, 4} , DS–KGPSA–CY (LP8000) ^{2, 3, 4} ; QLogic: QLA2200F–EMC ^{7, 8} , QLA2310F–E–SP ^{11, 12, 13, 14} , QLA2340–E–SP ^{11, 12, 13, 14} , QLA2342–E–SP ^{11, 12, 13, 14}	FC–AL, FC–SW	Y
10	Proliant: 3000 ⁵ , 5500 ^{5, 25} , 7000 ^{5, 25}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{2, 3, 4, 6} , LP850–EMC ^{3, 4} , LP9002–E (LP9002L–E) ^{3, 4, 12, 15, 18} ; HPQ: 176479–B21 ^{2, 3, 4} , DS–KGPSA–CB (LP8000) ^{2, 3, 4} , DS–KGPSA–CY (LP8000) ^{2, 3, 4} ; QLogic: QLA2200F–EMC ^{7, 8} , QLA2310F–E–SP ^{11, 12, 13, 14} , QLA2340–E–SP ^{11, 12, 13, 14} , QLA2342–E–SP ^{11, 12, 13, 14}	FC–AL, FC–SW	Y
11	Netserver LC: 2000 U3, 2000R; Netserver: LPR, LT 6000R	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{2, 3, 4, 6} , LP850–EMC ^{3, 4} , LP9002–E (LP9002L–E) ^{3, 4, 12, 15, 18} , LP9802–E ^{3, 15, 16, 17} , LP9802DC–E ^{3, 15, 16, 17} , LP982–E ^{3, 15, 16, 17} ; HPQ FCA2404 (LP9802) ^{3, 17, 29} ; QLogic: QLA2200F–EMC ^{7, 8} , QLA2310F–E–SP ^{11, 12, 13, 14} , QLA2340–E–SP ^{11, 12, 13, 14} , QLA2342–E–SP ^{11, 12, 13, 14}	FC–AL, FC–SW	Y
12	Proliant: DL320 ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380 ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ²⁷	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{2, 3, 4, 6} , LP850–EMC ^{3, 4} , LP9002–E (LP9002L–E) ^{3, 4, 12, 15, 18} , LP9802–E ^{3, 15, 16, 17} , LP9802DC–E ^{3, 15, 16, 17} , LP982–E ^{3, 15, 16, 17} ; HPQ: 176479–B21 ^{2, 3, 4} , DS–KGPSA–CB (LP8000) ^{2, 3, 4} , DS–KGPSA–CY (LP8000) ^{2, 3, 4} , FCA2404 (LP9802) ^{3, 17, 29} ; QLogic: QLA2200F–EMC ^{7, 8} , QLA2310F–E–SP ^{11, 12, 13, 14} , QLA2340–E–SP ^{11, 12, 13, 14} , QLA2342–E–SP ^{11, 12, 13, 14}	FC–AL, FC–SW	Y
13	Netserver: LH II, LXR PRO, LXR PRO8	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{2, 3, 4, 6} , LP850–EMC ^{3, 4} ; QLogic: QLA2200F–EMC ^{7, 8} , QLA2310F–E–SP ^{11, 12, 13, 14} , QLA2340–E–SP ^{11, 12, 13, 14}	FC–AL, FC–SW	Y
14	Netserver LH: 3, 4, III	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{2, 3, 4, 6} , LP850–EMC ^{3, 4} ; QLogic: QLA2200F–EMC ^{7, 8} , QLA2310F–E–SP ^{11, 12, 13, 14} , QLA2340–E–SP ^{11, 12, 13, 14} , QLA2342–E–SP ^{11, 12, 13, 14}	FC–AL, FC–SW	Y
15	Netserver LP 2000r	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{2, 3, 4, 6} , LP850–EMC ^{3, 4} , LP9002–E (LP9002L–E) ^{3, 4, 12, 15, 18} , LP9802–E ^{3, 15, 16, 17} , LP9802DC–E ^{3, 15, 16, 17} , LP982–E ^{3, 15, 16, 17} ; HPQ FCA2404 (LP9802) ^{3, 17, 29} ; QLogic: QLA2200F–EMC ^{7, 8} , QLA2310F–E–SP ^{11, 12, 13, 14} , QLA2340–E–SP ^{11, 12, 13, 14} , QLA2342–E–SP ^{11, 12, 13, 14}	FC–AL, FC–SW	Y

HPQ – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
16	Proliant DL580(G2) ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{3, 4, 6} , LP850-EMC ^{3, 4} , LP9002-E (LP9002L-E) ^{3, 4, 12, 15, 18} , LP9802-E ^{3, 15, 16, 17} , LP9802DC-E ^{3, 15, 16, 17} , LP982-E ^{3, 15, 16, 17} ; HPQ: 176479-B21 ^{2, 3, 4} , DS-KGPSA-CB (LP8000) ^{2, 3, 4} , DS-KGPSA-CY (LP8000) ^{2, 3, 4} , FCA2404 (LP9802) ^{3, 17, 29} ; QLLogic: QLA2200F-EMC ^{7, 8} , QLA2310F-E-SP ^{11, 12, 13, 14} , QLA2340-E-SP ^{11, 12, 13, 14} , QLA2342-E-SP ^{11, 12, 13, 14}	FC-AL, FC-SW	Y
17	Proliant 850R ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{3, 4, 6} , LP850-EMC ^{3, 4} , LP9002-E (LP9002L-E) ^{3, 4, 12, 15, 18} , LP982-E ^{3, 16, 17} ; QLLogic QLA2340-E-SP ^{11, 12, 13, 14}	FC-AL, FC-SW	Y
18	Netserver LH (LH Pro)	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{3, 4, 6} , LP850-EMC ^{3, 4} ; QLLogic: QLA2200F-EMC ^{7, 8} , QLA2310F-E-SP ^{11, 12, 13, 14} , QLA2340-E-SP ^{11, 12, 13, 14}	FC-AL, FC-SW	Y
19	Proliant DL360(G2) ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP850-EMC ^{3, 4} , LP9002-E (LP9002L-E) ^{3, 4, 12, 15, 18} , LP9802-E ^{3, 15, 16, 17} , LP9802DC-E ^{3, 15, 16, 17} , LP982-E ^{3, 15, 16, 17} ; HPQ: 176479-B21 ^{2, 3, 4} , DS-KGPSA-CB (LP8000) ^{2, 3, 4} , DS-KGPSA-CY (LP8000) ^{2, 3, 4} , FCA2404 (LP9802) ^{3, 17, 29} ; QLLogic: QLA2200F-EMC ^{7, 8} , QLA2310F-E-SP ^{11, 12, 13, 14} , QLA2340-E-SP ^{11, 12, 13, 14} , QLA2342-E-SP ^{11, 12, 13, 14}	FC-AL, FC-SW	Y
20	Proliant 8500	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP9002-E (LP9002L-E) ^{3, 4, 12, 15, 18} , LP9802-E ^{3, 15, 16, 17} , LP9802DC-E ^{3, 15, 16, 17} , LP982-E ^{3, 15, 16, 17} ; HPQ FCA2404 (LP9802) ^{3, 17, 29} ; QLLogic: QLA2310F-E-SP ^{11, 12, 13, 14} , QLA2340-E-SP ^{11, 12, 13, 14} , QLA2342-E-SP ^{11, 12, 13, 14}	FC-AL, FC-SW	Y
21	Proliant 1600 ^{5, 26}	PCI	Microsoft Windows NT 4.0 SP6A ¹	HPQ A5246A (Agilent HHBA-5000A) ^{1, 19}	FC-AL, FC-SW	N
22	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LPR, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5, 25} , 6000 ^{5, 25} , 6400R ⁵ , 6500 ^{5, 25} , 7000 ^{5, 25} , 8000 ^{5, 25} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380 ⁵ , DL580 ⁵ , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	HPQ: A5246A (Agilent HHBA-5000A) ^{1, 19} , D8602A (Agilent HHBA-5101B) ^{1, 22, 23} , D8602B (Agilent HHBA-5101C) ^{1, 20, 21, 22}	FC-AL, FC-SW	N
23	Proliant DL760 ⁵	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 4, 6} , LP850-EMC ^{3, 4} , LP9002-E (LP9002L-E) ^{3, 4, 12, 15, 18} , LP9802-E ^{3, 15, 16, 17} , LP9802DC-E ^{3, 15, 16, 17} , LP982-E ^{3, 15, 16, 17} ; HPQ FCA2404 (LP9802) ^{3, 17, 29} ; QLLogic QLA2340-E-SP ^{11, 12, 13, 14}	FC-AL, FC-SW	Y
24	Proliant: DL560, DL740	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 4, 6} , LP850-EMC ^{3, 4} , LP9002-E (LP9002L-E) ^{3, 4, 12, 15, 18} , LP9802-E ^{3, 15, 16, 17} , LP9802DC-E ^{3, 15, 16, 17} , LP982-E ^{3, 15, 16, 17} ; HPQ FCA2404 (LP9802) ^{3, 17, 29} ; QLLogic: QLA2200F-EMC ^{7, 8} , QLA2310F-E-SP ^{11, 12, 13, 14} , QLA2340-E-SP ^{11, 12, 13, 14} , QLA2342-E-SP ^{11, 12, 13, 14}	FC-AL, FC-SW	Y
25	Proliant: DL360(G3), DL760 (G2), ML570(G2)	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 4, 6} , LP850-EMC ^{3, 4} , LP9002-E (LP9002L-E) ^{3, 4, 12, 15, 18} , LP9802-E ^{3, 15, 16, 17} , LP9802DC-E ^{3, 15, 16, 17} , LP982-E ^{3, 15, 16, 17} ; HPQ: 176479-B21 ^{2, 3, 4} , DS-KGPSA-CB (LP8000) ^{2, 3, 4} , DS-KGPSA-CY (LP8000) ^{2, 3, 4} , FCA2404 (LP9802) ^{3, 17, 29} ; QLLogic: QLA2200F-EMC ^{7, 8} , QLA2310F-E-SP ^{11, 12, 13, 14} , QLA2340-E-SP ^{11, 12, 13, 14} , QLA2342-E-SP ^{11, 12, 13, 14}	FC-AL, FC-SW	Y
26	Proliant: DL360(G3), DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	HPQ: A5246A (Agilent HHBA-5000A) ^{1, 19} , D8602A (Agilent HHBA-5101B) ^{1, 22, 23} , D8602B (Agilent HHBA-5101C) ^{1, 20, 21, 22}	FC-AL, FC-SW	N
27	Proliant: DL580(G2) ⁵ , DL580(G3)	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 4, 6} , LP850-EMC ^{3, 4} , LP9002-E (LP9002L-E) ^{3, 4, 12, 15, 18} , LP9802-E ^{3, 15, 16, 17} , LP9802DC-E ^{3, 15, 16, 17} , LP982-E ^{3, 15, 16, 17} ; HPQ: 176479-B21 ^{2, 3, 4} , DS-KGPSA-CB (LP8000) ^{2, 3, 4} , DS-KGPSA-CY (LP8000) ^{2, 3, 4} , FCA2404 (LP9802) ^{3, 17, 29} ; IBM 00N6881 (QLA2200) ^{7, 8, 9, 10} ; QLLogic: QLA2200F-EMC ^{7, 8} , QLA2310F-E-SP ^{11, 12, 13, 14} , QLA2340-E-SP ^{11, 12, 13, 14} , QLA2342-E-SP ^{11, 12, 13, 14}	FC-AL, FC-SW	Y
28	Proliant DL760 ⁵	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{3, 4, 6} , LP850-EMC ^{3, 4} , LP9002-E (LP9002L-E) ^{3, 4, 12, 15, 18} , LP982-E ^{3, 16, 17} ; HPQ: 176479-B21 ^{2, 3, 4} , DS-KGPSA-CB (LP8000) ^{2, 3, 4} , DS-KGPSA-CY (LP8000) ^{2, 3, 4} ; QLLogic: QLA2200F-EMC ^{7, 8} , QLA2310F-E-SP ^{11, 12, 13, 14} , QLA2340-E-SP ^{11, 12, 13, 14} , QLA2342-E-SP ^{11, 12, 13, 14}	FC-AL, FC-SW	Y
29	Proliant: DL580(G2) ⁵ , DL580(G3)	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	HPQ: A5246A (Agilent HHBA-5000A) ^{1, 19} , D8602A (Agilent HHBA-5101B) ^{1, 22, 23} , D8602B (Agilent HHBA-5101C) ^{1, 20, 21, 22}	FC-AL, FC-SW	N

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Driver Version 2.20a12.
- Firmware Version 3.90a7.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Driver Version 8.1.5.20.
- For IBM Netfinity and xSeries Intel servers only.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- HBA BIOS is 1.34.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Driver/BIOS are available at <http://www.qlogic.com>
- Driver Version 8.1.5.21.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Driver Version 2.09D.
- Requires manual intervention on bootup to clear "new hardware found" message box at boot time.
- The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
- Driver Version 2.0.25.44. Driver available at http://h20004.www2.hp.com/keeper_notes/bsdmatrix/matrix213991.html
- (HHBA-5101BK-01)
- Driver Version 4.04.
- Includes both Pentium PRO and XEON models
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- Requires BIOS v4.01 rev A (5/17/2002) for use with Emulex HBAs.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.

IBM

IBM – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Netfinity 8500	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP9002-E (LP9002L-E) ^{14, 15, 18, 21} ; IBM: 00N6881 (QLA2200) ^{10, 11, 12, 13} , 19K1246(QLA2310) ^{2, 4, 5, 7, 22} , 24P0960(QLA2340) ^{2, 5, 7, 8, 22} ; QLogic QLA2310F-E-SP ^{2, 5, 7, 22}	FC-AL, FC-SW	Y
2	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ⁹ , 7100, 7600	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{14, 15, 16, 17} , LP850-EMC ^{14, 15} ; IBM: 00N6881 (QLA2200) ^{10, 11, 12, 13} , 19K1246(QLA2310) ^{2, 3, 4, 5, 7} , 24P0960(QLA2340) ^{2, 3, 5, 7, 8} ; QLogic: QLA2200F-EMC ^{10, 13} , QLA2310F-E-SP ^{2, 5, 7, 22} , QLA2340-E-SP ^{2, 5, 7, 22} , QLA2342-E-SP ^{2, 5, 7, 22}	FC-AL, FC-SW	Y
3	Netfinity 8500R; xSeries x255 ⁶	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{14, 15, 16, 17} , LP850-EMC ^{14, 15} , LP9002-E (LP9002L-E) ^{14, 15, 18, 21, 22} , LP9802-E ^{14, 15, 17, 18, 22} , LP9802-E ^{14, 18, 19, 20} , LP9802DC-E ^{14, 18, 19, 20} , LP982-E ^{14, 18, 19, 20} ; IBM: 00N6881 (QLA2200) ^{10, 11, 12, 13} , 19K1246(QLA2310) ^{2, 3, 4, 5, 7} , 24P0960(QLA2340) ^{2, 3, 5, 7, 8} ; QLogic: QLA2200F-EMC ^{10, 13} , QLA2310F-E-SP ^{2, 5, 7, 22} , QLA2340-E-SP ^{2, 5, 7, 22} , QLA2342-E-SP ^{2, 5, 7, 22}	FC-AL, FC-SW	Y
4	xSeries X342 ⁶	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{14, 15, 16, 17} , LP850-EMC ^{14, 15} , LP9002-E (LP9002L-E) ^{14, 15, 18, 21, 22} , LP9802-E ^{14, 18, 19, 20} , LP9802DC-E ^{14, 18, 19, 20} , LP982-E ^{14, 18, 19, 20} ; IBM: 00N6881 (QLA2200) ^{10, 11, 12, 13} , 19K1246(QLA2310) ^{2, 3, 4, 5, 7} , 24P0960(QLA2340) ^{2, 3, 5, 7, 8} ; QLogic: QLA2200F-EMC ^{10, 13} , QLA2310F-E-SP ^{2, 5, 7, 22} , QLA2340-E-SP ^{2, 5, 7, 22} , 24, 25, QLA2342-E-SP ^{2, 5, 7, 22} , 24, 25	FC-AL, FC-SW	Y
5	xSeries: X330 ⁶ , X335, X340 (4500R) ⁶ , x230, x232 ⁶ , x240 ⁶ , x250 ⁶ , x350 (6000R) ⁶ , x370 ⁶	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{14, 15, 16, 17} , LP850-EMC ^{14, 15} , LP9002-E (LP9002L-E) ^{14, 15, 18, 21, 22} , LP9802-E ^{14, 18, 19, 20} , LP9802DC-E ^{14, 18, 19, 20} , LP982-E ^{14, 18, 19, 20} ; IBM: 00N6881 (QLA2200) ^{10, 11, 12, 13} , 19K1246(QLA2310) ^{2, 3, 4, 5, 7} , 24P0960(QLA2340) ^{2, 3, 5, 7, 8} ; QLogic: QLA2200F-EMC ^{10, 13} , QLA2310F-E-SP ^{2, 5, 7, 22} , QLA2340-E-SP ^{2, 5, 7, 22} , QLA2342-E-SP ^{2, 5, 7, 22}	FC-AL, FC-SW	Y
6	xSeries x360 ⁶	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{14, 15, 16} , LP850-EMC ^{14, 15, 17} , LP9002-E (LP9002L-E) ^{14, 15, 18, 21, 22} , LP982-E ^{14, 19, 20} ; IBM: 00N6881 (QLA2200) ^{10, 11, 12, 13} , 19K1246(QLA2310) ^{2, 3, 4, 5, 7} , 24P0960(QLA2340) ^{2, 3, 5, 7, 8} ; QLogic: QLA2200F-EMC ^{10, 13} , QLA2310F-E-SP ^{2, 5, 7} , QLA2340-E-SP ^{2, 5, 7, 22}	FC-AL, FC-SW	Y
7	xSeries x345 ^{6, 23}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{14, 15, 16} , LP850-EMC ^{14, 15} , LP9002-E (LP9002L-E) ^{14, 15, 18, 21, 22} , LP9802-E ^{14, 18, 19, 20} , LP9802DC-E ^{14, 18, 19, 20} , LP982-E ^{14, 18, 19, 20} ; IBM 00N6881 (QLA2200) ^{10, 11, 12, 13} . QLogic: QLA2200F-EMC ^{10, 13} , QLA2310F-E-SP ^{2, 5, 7, 22} , QLA2340-E-SP ^{2, 5, 7, 22} , QLA2342-E-SP ^{2, 5, 7, 22}	FC-AL, FC-SW	Y
8	Netfinity 8500R; xSeries x255 ⁶	PCI	Microsoft Windows NT 4.0 SP6A ¹	HPQ: A5246A (Agilent HHBA-5000A) ^{1, 26} , D8602A (Agilent HHBA-5101B) ^{1, 29, 30} , D8602B (Agilent HHBA-5101C) ^{1, 27, 28, 29}	FC-AL, FC-SW	N
9	xSeries x360 ⁶	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{14, 15, 16, 17} , LP850-EMC ^{14, 15, 17} , LP9002-E (LP9002L-E) ^{14, 15, 18, 21, 22} , LP9802-E ^{14, 18, 19, 20} , LP9802DC-E ^{14, 18, 19, 20} , LP982-E ^{14, 18, 19, 20} ; IBM 00N6881 (QLA2200) ^{10, 12, 13} . QLogic: QLA2310F-E-SP ^{2, 5, 7, 22} , QLA2340-E-SP ^{2, 5, 7, 22, 24, 25} , QLA2342-E-SP ^{2, 5, 7, 22, 24, 25}	FC-AL, FC-SW	Y
10	xSeries x440 ⁶	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{14, 15, 16, 17} , LP850-EMC ^{14, 15, 17} , LP9002-E (LP9002L-E) ^{14, 15, 18, 21, 22} , LP9802-E ^{14, 18, 19, 20} , LP9802DC-E ^{14, 18, 19, 20} , LP982-E ^{14, 18, 19, 20} ; IBM 00N6881 (QLA2200) ^{10, 12, 13} . QLogic: QLA2310F-E-SP ^{2, 5, 7, 22} , QLA2340-E-SP ^{2, 5, 7, 22} , QLA2342-E-SP ^{2, 5, 7, 22}	FC-AL, FC-SW	Y

IBM – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
11	xSeries x235 ⁶	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{14, 15, 16, 17} LP850-EMC ^{14, 15} LP9002-E (LP9002L-E) ^{14, 15, 18, 21, 22} , LP9802-E ^{14, 18, 19, 20} , LP9802DC-E ^{14, 18, 19, 20} , LP982-E ^{14, 18, 19, 20} , IBM: 00N6881 (QLA2200) ^{10, 11, 12, 13} , 19K1246(QLA2310) ^{2, 3, 4, 5, 7, 24} P0960(QLA2340) ^{2, 5, 7, 8} , QLogic: QLA2200F-EMC ^{10, 13} , QLA2310F-E-SP ^{2, 5, 7, 22} , QLA2340-E-SP ^{2, 5, 7, 22} , QLA2342-E-SP ^{2, 5, 7, 22}	FC-AL, FC-SW	Y
12	xSeries x345 ⁶	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{14, 15, 16, 17} . IBM: 19K1246(QLA2310) ^{2, 3, 4, 5, 7} , 24P0960(QLA2340) ^{2, 5, 7, 8}	FC-AL, FC-SW	Y
13	xSeries x445	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{14, 15, 16, 17} LP850-EMC ^{14, 15, 17} LP9002-E (LP9002L-E) ^{14, 15, 18, 21, 22} , LP9802-E ^{14, 18, 19, 20} , LP9802DC-E ^{14, 18, 19, 20} , LP982-E ^{14, 18, 19, 20} , IBM: 00N6881 (QLA2200) ^{10, 11, 12, 13} , 19K1246(QLA2310) ^{2, 3, 4, 5, 7, 24} P0960(QLA2340) ^{2, 3, 5, 7, 8} , QLogic: QLA2200F-EMC ^{10, 13} , QLA2310F-E-SP ^{2, 5, 7, 22} , QLA2340-E-SP ^{2, 5, 7, 22} , QLA2342-E-SP ^{2, 5, 7, 22}	FC-AL, FC-SW	Y
14	xSeries x440 ⁶	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{14, 15, 16} , LP850-EMC ^{14, 15, 17} LP9002-E (LP9002L-E) ^{14, 15, 18, 21, 22} , LP982-E ^{14, 19, 20} , IBM: 00N6881 (QLA2200) ^{10, 11, 12, 13} , 19K1246(QLA2310) ^{2, 3, 4, 5, 7, 24} P0960(QLA2340) ^{2, 3, 5, 7, 8} , QLogic: QLA2200F-EMC ^{10, 13} , QLA2340-E-SP ^{2, 5, 7, 22}	FC-AL, FC-SW	Y
15	Netfinity 8500R; xSeries x255 ⁶	PCI	Microsoft Windows NT 4.0 SP6A ¹	QLogic QLA2200F-EMC ^{10, 13}	FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- HBA BIOS is 1.34.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- This HBA is equivalent to the qLogic QLA2310.
- Driver/BIOS are available at <http://www.qlogic.com>
- For IBM xSeries Servers running Windows NT and Windows 2000 with IBM ServerRaid controller 4M, the ServerRaid Driver must be 6.00 or above for use with EMC PowerPath 3.0 and above. IBM driver can be downloaded at: <http://www-3.ibm.com/pc/support/site.wss/document.do?Indocid=MIGR-39723>
- Driver Version 8.1.5.21.
- This HBA is equivalent to the qLogic QLA2340.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- Driver Version 8.1.5.20.
- For IBM Netfinity and xSeries Intel servers only.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Driver Version 2.20a12.
- Firmware Version 3.90a7.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- It is recommended that the QLogic QLA2340 is not installed in Slot 1.
- Qlogic SanBlade Manager is not supported.
- Qlogic SANSurfer/SANBlade Manager is not supported.
- Driver Version 2.09D.
- Requires manual intervention on bootup to clear "new hardware found" message box at boot time.
- The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
- Driver Version 2.0.25.44. Driver available at http://h20004.www2.hp.com/keeper_nnotes/bsdmatrix/matrix213991.html
- (HHBA-5101BK-01)

NCR

NCR – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Worldmark: 4300, 4380, 4400, 47XX, 48XX, 52XX, S50	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{8, 9, 10} LP850-EMC ^{9, 10} LP9002-E (LP9002L-E) ^{3, 9, 10, 13, 14} , LP9802-E ^{9, 11, 12} , LP9802DC-E ^{9, 11, 12, 14} , LP982-E ^{9, 11, 12} , QLogic: QLA2200F-EMC ^{6, 7} , QLA2310F-E-SP ^{2, 3, 4, 5} , QLA2340-E-SP ^{2, 3, 4, 5} , QLA2342-E-SP ^{2, 3, 4, 5}	FC-AL, FC-SW	Y
2	Worldmark: 4300, 4380, 4400	PCI	Microsoft Windows NT 4.0 SP6A ¹	HPQ: A5246A (Agilent HHBA-5000A) ^{1, 15} D8602A (Agilent HHBA-5101B) ^{1, 16, 17} , D8602B (Agilent HHBA-5101C) ^{1, 17, 18, 19}	FC-AL, FC-SW	N

- EMC recommends that HBAs of different vendors not be used in the same host server.
- HBA BIOS is 1.34.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Driver/BIOS are available at <http://www.qlogic.com>
- Driver Version 8.1.5.21.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Driver Version 8.1.5.20.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Driver Version 2.20a12.
- Firmware Version 3.90a7.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Driver Version 2.09D.
- (HHBA-5101BK-01)
- Driver Version 2.0.25.44. Driver available at http://h20004.www2.hp.com/keeper_nnotes/bsdmatrix/matrix213991.html
- Requires manual intervention on bootup to clear "new hardware found" message box at boot time.
- The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.

NEC

NEC – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800: 120Md, 120Ra–2, 120Rc–2, 120Rd–2, 140Ra–7, 140Rb–4, 180Rb–7, 180Rc–4	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP850–EMC ^{5, 8} ; NEC: N8103–200 ^{5, 8, 16} , N8190–105 ^{5, 8} , N8503–200 ^{5, 8, 15}	FC–AL, FC–SW	Y
2	Express 5800: 120Rd–1, 120Rf–2, 140Hd, 140Rc–4	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{5, 8, 14} , LP850–EMC ^{5, 8} , LP9002–E (LP9002L–E) ^{2, 5, 6, 7, 8} , LP9802–E ^{2, 3, 4, 5} , LP9802DC–E ^{2, 3, 4, 5} , LP982–E ^{2, 3, 4, 5} ; NEC: N8103–200 ^{5, 8, 16} , N8190–105 ^{2, 5, 7, 8} , N8190–105 ^{5, 8} , N8503–200 ^{5, 8, 15} ; QLogic: QLA2200F–EMC ^{12, 13} , QLA2310F–E–SP ^{7, 9, 10, 11} , QLA2340–E–SP ^{7, 9, 10, 11} , QLA2342–E–SP ^{7, 9, 10, 11}	FC–AL, FC–SW	Y
3	Express 5800: 140Ha, 140Hb, 140Ma, 140Ra–4, 180Ha	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{5, 8, 14} , LP850–EMC ^{5, 8} , LP9002–E (LP9002L–E) ^{2, 5, 6, 7, 8} , LP9802–E ^{2, 3, 4, 5} , LP9802DC–E ^{2, 3, 4, 5} , LP982–E ^{2, 3, 4, 5} ; NEC: N8103–200 ^{5, 8, 16} , N8190–105 ^{2, 5, 7, 8} , N8503–200 ^{5, 8, 15} ; QLogic: QLA2200F–EMC ^{12, 13} , QLA2310F–E–SP ^{7, 9, 10, 11} , QLA2340–E–SP ^{7, 9, 10, 11} , QLA2342–E–SP ^{7, 9, 10, 11}	FC–AL, FC–SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- Driver Version 2.20a12.
- The LP9002–E now ships with the LP9002L–E low profile adapter.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Firmware Version 3.90a7.
- HBA BIOS is 1.34.
- Driver/BIOS are available at <http://www.qlogic.com>
- Driver Version 8.1.5.21.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Driver Version 8.1.5.20.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. Supports SNIA HBA API.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.

Unisys

Unisys – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	ES2023; ES2024; ES2025; ES2043; ES2045; ES2085; ES5024; ES5044; ES5045; ES5085	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000–EMC ^{3, 4, 7} ; Unisys: FCH720111–P64 (LP8000–D1) ^{2, 3, 4} , FCH720113–P64 (LP8000–EMC, LP8000–F1) ^{2, 3, 4}	FC–AL, FC–SW	Y
2	ES7000/100; ES7000/200; ES7000/230	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{3, 4, 7} , LP850–EMC ^{2, 3, 4} , LP9002–E (LP9002L–E) ^{3, 4, 9, 14, 15} , LP982–E ^{4, 12, 13} ; QLogic QLA2340–E–SP ^{8, 9, 10, 11} ; Unisys: FCH720111–P64 (LP8000–D1) ^{2, 3, 4} , FCH720113–P64 (LP8000–EMC, LP8000–F1) ^{2, 3, 4}	FC–AL, FC–SW	Y
3	DR/2; DS/2; QR/2; QS/2	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000–EMC ^{3, 4, 7} , LP850–EMC ^{2, 3, 4} , LP9002–E (LP9002L–E) ^{3, 4, 9, 14, 15} , LP982–E ^{4, 12, 13} ; QLogic QLA2340–E–SP ^{8, 9, 10, 11} ; Unisys: FCH720111–P64 (LP8000–D1) ^{2, 3, 4} , FCH720113–P64 (LP8000–EMC, LP8000–F1) ^{2, 3, 4} , PCI 1100–FC (QLA2100) ^{5, 6} , PCI 1120–FC (QLA2100–EMC, QLA2100F) ^{5, 6}	FC–AL, FC–SW	Y
4	ES5043	PCI	Microsoft Windows NT 4.0 SP6A ¹	Unisys: FCH720111–P64 (LP8000–D1) ^{2, 3, 4} , FCH720113–P64 (LP8000–EMC, LP8000–F1) ^{2, 3, 4}	FC–AL, FC–SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without –EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.

- Firmware Version 3.90a7.
- Driver Version 2.20a12.
- HBA BIOS is 1.37.
- Driver Version 6.16.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- HBA BIOS is 1.34.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Driver/BIOS are available at <http://www.qlogic.com>
- Driver Version 8.1.5.21.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- The LP9002–E now ships with the LP9002L–E low profile adapter.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.

NCR UNIX SVR4 MPRAS
NCR

NCR – NCR UNIX SVR4 MPRAS						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Worldmark 4480	PCI	NCR UNIX SVR4 MPRAS 3.02	LSI ITI7004G2 ¹	FC–AL, FC–SW	Y
2	Worldmark: 4455, 4475	PCI	NCR UNIX SVR4 MPRAS 3.02	LSI ITI7004G2 ^{1, 2} , QLogic QLA2204F ²	FC–AL, FC–SW	Y

- Requires package PSCSI302 Ver.02.10.10.09 or higher available from NCR.
- Driver Version 1.08. BIOS version 1.76, available at <http://www.qlogic.com>

Dell – Novell Network						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	PowerEdge: 2300, 2450, 4400, 6100, 6300, 6350, 6400, 6450, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Network 5.00 SP6A ^{5, 9, 26}	QLogic QLA2200F-EMC ^{6, 7}	FC-AL	N
2	PowerEdge: 2450, 4400, 6100, 6300, 6350, 6450	PCI	Novell Network 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Network 6.0: SP1 ^{5, 9, 10} , SP2 ^{5, 9} , SP3 ⁹	QLogic QLA2200F-EMC ^{6, 7, 8}	FC-AL	Y1, 2, 3, 4
3	PowerEdge: 2300, 6400, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Network 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Network 6.0: SP1 ^{5, 9, 10} , SP2 ^{5, 9} , SP3 ⁹ ; Novell Network 6.5 ^{9, 29}	QLogic QLA2200F-EMC ^{6, 7, 8}	FC-AL	N
4	PowerEdge: 1550, 2500, 2550 ²³	PCI	Novell Network 5.10: SP5 ⁵ , SP6	QLogic QLA2200F-EMC ^{6, 7, 8}	FC-AL	Y1, 2, 3, 4, 18, 19
5	PowerEdge: 2450, 4400, 6100, 6300, 6350, 6450	PCI	Novell Network 6.5 ^{9, 29}	QLogic QLA2200F-EMC ^{6, 7, 8}	FC-AL	N
6	PowerEdge: 2650, 6600, 6650	PCI-X	Novell Network 5.00 SP6A ^{5, 9, 26}	QLogic QLA2200F-EMC ^{6, 7}	FC-AL	N
7	PowerEdge 2650	PCI-X	Novell Network 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Network 6.0: SP1 ^{5, 9, 10} , SP2 ^{5, 9} , SP3 ⁹	QLogic QLA2200F-EMC ^{6, 7, 8}	FC-AL	Y1, 2, 3, 4, 18, 19
8	PowerEdge: 6600, 6650	PCI-X	Novell Network 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Network 6.0: SP1 ^{5, 9, 10} , SP2 ^{5, 9} , SP3 ⁹	QLogic QLA2200F-EMC ^{6, 7, 8}	FC-AL	Y1, 2, 3, 4
9	PowerEdge 2600	PCI-X	Novell Network 5.10: SP5 ⁵ , SP6	QLogic QLA2200F-EMC ^{6, 7, 8}	FC-AL	Y1, 2, 3, 4, 18, 19
10	PowerEdge: 2650, 6600, 6650	PCI-X	Novell Network 6.5 ^{9, 29}	QLogic QLA2200F-EMC ^{6, 7, 8}	FC-AL	N
11	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2500, 2550 ²³ , 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Novell Network 5.00 SP6A ^{5, 9, 26}	QLogic: QLA2200F-EMC ^{6, 7} , QLA2310F-E-SP ^{6, 11, 12} , QLA2340-E-SP ^{6, 11, 12} , QLA2342-E-SP ^{6, 11, 12}	FC-AL, FC-SW	N
12	PowerVault: 750N, 755N, 775N	PCI	Novell Network 5.00 SP6A ^{5, 9, 26}	QLogic: QLA2310F-E-SP ^{6, 11, 12} , QLA2340-E-SP ^{6, 11, 12} , QLA2342-E-SP ^{6, 11, 12}	FC-AL, FC-SW	N
13	PowerEdge: 1550, 2500, 2550 ²³	PCI	Novell Network 5.10 SP2A ⁵	QLogic QLA2200F-EMC ^{6, 7, 8}	FC-AL, FC-SW	Y1, 2, 3, 4, 18, 19
14	PowerEdge: 1650, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Network 5.10 SP2A ⁵	QLogic QLA2200F-EMC ^{6, 7, 8}	FC-AL, FC-SW	Y1, 2, 3, 4
15	PowerEdge: 2300, 6400	PCI	Novell Network 5.10 SP2A ⁵	QLogic QLA2200F-EMC ^{6, 7, 8}	FC-AL, FC-SW	N
16	PowerEdge 8450	PCI	Novell Network 5.10: SP2A ⁵ , SP2 ⁵	QLogic QLA2200F-EMC ^{6, 7, 8}	FC-AL, FC-SW	N
17	PowerEdge 8450	PCI	Novell Network 5.10: SP2A ⁵ , SP2 ⁵ , SP5 ^{5, 25} , SP6; Novell Network 6.0: SP1 ^{5, 9, 10, 13} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic: QLA2310F-E-SP ^{6, 8, 11, 12} , QLA2340-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	N
18	PowerEdge 2550 ²³	PCI	Novell Network 5.10: SP2A ⁵ , SP5 ^{5, 25} , SP6; Novell Network 6.0: SP1 ^{5, 9, 13} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic QLA2310F-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	Y1, 2, 3, 4, 18
19	PowerEdge: 1550, 2500	PCI	Novell Network 5.10: SP2A ⁵ , SP5 ^{5, 25} , SP6; Novell Network 6.0: SP1 ^{5, 9, 13} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic: QLA2310F-E-SP ^{6, 8, 11, 12} , QLA2340-E-SP ^{6, 8, 11, 12} , QLA2342-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	Y1, 2, 3, 4, 18
20	PowerEdge 8450	PCI	Novell Network 5.10: SP2A ⁵ , SP5 ^{5, 25} , SP6; Novell Network 6.0: SP1 ^{5, 9, 10, 13} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic QLA2342-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	N
21	PowerEdge: 1650, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Network 5.10: SP2A ⁵ , SP5 ^{5, 25} , SP6; Novell Network 6.0: SP1 ^{5, 9, 10, 13} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic: QLA2310F-E-SP ^{6, 8, 11, 12} , QLA2340-E-SP ^{6, 8, 11, 12} , QLA2342-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	Y1, 2, 3, 4, 18
22	PowerEdge: 2300, 6400	PCI	Novell Network 5.10: SP2A ⁵ , SP5 ^{5, 25} , SP6; Novell Network 6.0: SP1 ^{5, 9, 10, 13} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic: QLA2310F-E-SP ^{6, 8, 11, 12} , QLA2340-E-SP ^{6, 8, 11, 12} , QLA2342-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	N
23	PowerEdge 2550 ²³	PCI	Novell Network 5.10: SP2A ⁵ , SP5 ⁵ , SP5 ^{5, 25} , SP6; Novell Network 6.0: SP1 ^{5, 9, 13} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic QLA2342-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	Y1, 2, 3, 4, 18
24	PowerEdge 2550 ²³	PCI	Novell Network 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Network 6.0: SP1 ^{5, 9, 13} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic QLA2340-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	Y1, 2, 3, 4, 18
25	PowerVault: 750N, 755N, 775N	PCI	Novell Network 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Network 6.0: SP1 ^{5, 9, 10} , SP2 ^{5, 9} , SP3 ⁹	QLogic: QLA2310F-E-SP ^{6, 8, 11, 12} , QLA2340-E-SP ^{6, 8, 11, 12} , QLA2342-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	N

Dell – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
26	PowerEdge: 1550, 2550 ²³	PCI	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9} , SP3 ⁹ ; Novell Netware 6.5 ^{9, 29}	Emulex LP9002-E (LP9002L-E) ^{20, 21, 22}	FC-AL, FC-SW	N
27	PowerEdge: 1650, 2300, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9} , SP3 ⁹ ; Novell Netware 6.5 ^{9, 29}	Emulex LP9002-E (LP9002L-E) ^{20, 21, 22} ; QLogic QLA2300F-E-SP ^{6, 8, 11}	FC-AL, FC-SW	N
28	PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9} , SP3 ⁹ ; Novell Netware 6.5 ^{9, 29}	QLogic QLA2300F-E-SP ^{6, 8, 11}	FC-AL, FC-SW	N
29	PowerEdge: 1550, 2500, 2550 ²³	PCI	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9} , SP3 ⁹	QLogic QLA2202F-EMC ^{6, 7, 14}	FC-AL, FC-SW	Y1, 2, 3, 18, 19
30	PowerEdge: 1650, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9} , SP3 ⁹	QLogic QLA2202F-EMC ^{6, 7, 14}	FC-AL, FC-SW	Y1, 2, 3
31	PowerEdge 2500	PCI	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9} , SP3 ⁹ ; Novell Netware 6.5 ^{9, 29}	Emulex LP9002-E (LP9002L-E) ^{20, 22} ; QLogic QLA2300F-E-SP ^{6, 8, 11}	FC-AL, FC-SW	N
32	PowerEdge: 2300, 6400, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9} , SP3 ⁹ ; Novell Netware 6.5 ^{9, 29}	QLogic QLA2202F-EMC ^{6, 7, 14}	FC-AL, FC-SW	N
33	PowerEdge: 1550, 2550 ²³	PCI	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9} , SP3 ⁹ ; Novell Netware 6.5 ^{9, 29}	QLogic QLA2300F-E-SP ^{6, 8, 11}	FC-AL, FC-SW	N
34	PowerEdge 8450	PCI	Novell Netware 5.10: SP5 ^{5, 25} , SP6	QLogic QLA2200F-EMC ^{6, 7, 8, 14, 24, 27, 28}	FC-AL, FC-SW	N
35	PowerEdge: 1550, 2500, 2550 ²³	PCI	Novell Netware 5.10: SP5 ^{5, 25} , SP6	QLogic QLA2200F-EMC ^{7, 8, 14}	FC-AL, FC-SW	Y1, 2, 3, 4, 18, 19
36	PowerEdge: 2300, 6400	PCI	Novell Netware 5.10: SP5 ^{5, 25} , SP6	QLogic QLA2200F-EMC ^{7, 8, 14}	FC-AL, FC-SW	N
37	PowerEdge: 2450, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP5 ^{5, 25} , SP6	QLogic QLA2200F-EMC ^{7, 8, 14}	FC-AL, FC-SW	Y1, 2, 3, 4
38	PowerEdge 2550 ²³	PCI	Novell Netware 5.10: SP5 ^{5, 25} , SP6	QLogic: QLA2310F-E-SP ^{8, 11, 12} , QLA2340-E-SP ^{8, 11, 12}	FC-AL, FC-SW	Y1, 2, 3, 4, 18
39	PowerEdge: 1650, 2400, 4300	PCI	Novell Netware 5.10: SP5 ^{5, 25} , SP6; Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic QLA2200F-EMC ^{6, 7, 8, 14}	FC-AL, FC-SW	Y1, 2, 3, 4
40	PowerEdge: 1550, 2500, 2550 ²³	PCI	Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic QLA2200F-EMC ^{6, 7, 8, 14}	FC-AL, FC-SW	Y1, 2, 3, 4, 18, 19
41	PowerEdge: 2450, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic QLA2200F-EMC ^{6, 7, 8, 14}	FC-AL, FC-SW	Y1, 2, 3, 4
42	PowerEdge: 2300, 6400	PCI	Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9, 13} , SP3 ⁹ ; Novell Netware 6.5 ^{9, 29}	QLogic QLA2200F-EMC ^{6, 7, 8, 14}	FC-AL, FC-SW	N
43	PowerEdge 8450	PCI	Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9, 13} , SP3 ⁹ ; Novell Netware 6.5 ^{9, 29}	QLogic QLA2200F-EMC ^{6, 7, 8, 14, 24}	FC-AL, FC-SW	N
44	PowerEdge: 1550, 1650, 2400, 2450, 2500, 2550 ²³ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 6.5 ^{9, 29}	QLogic: QLA2200F-EMC ^{6, 7, 8, 14} , QLA2202F-EMC ^{6, 7, 14} , QLA2310F-E-SP ^{6, 8, 11, 12, 30} , QLA2340-E-SP ^{8, 12, 30} , QLA2342-E-SP ^{8, 12, 30}	FC-AL, FC-SW	N
45	PowerEdge: 2300, 6400, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Netware 6.5 ^{9, 29}	QLogic: QLA2310F-E-SP ^{6, 8, 11, 12, 30} , QLA2340-E-SP ^{8, 12, 30} , QLA2342-E-SP ^{8, 12, 30}	FC-AL, FC-SW	N
46	PowerEdge: 1750, 2600, 2650, 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ⁵ , 9, 26	QLogic: QLA2200F-EMC ^{6, 7} , QLA2310F-E-SP ^{6, 11, 12} , QLA2340-E-SP ^{6, 11, 12} , QLA2342-E-SP ^{6, 11, 12}	FC-AL, FC-SW	N
47	PowerEdge: 1750, 6600	PCI-X	Novell Netware 5.10 SP2A ⁵	QLogic QLA2200F-EMC ^{6, 7, 8}	FC-AL, FC-SW	Y1, 2, 3, 4
48	PowerEdge: 2600, 2650	PCI-X	Novell Netware 5.10 SP2A ⁵	QLogic QLA2200F-EMC ^{6, 7, 8}	FC-AL, FC-SW	Y1, 2, 3, 4, 18, 19
49	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP2A ⁵ , SP5 ^{5, 25} , SP6; Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic: QLA2310F-E-SP ^{6, 8, 11, 12} , QLA2340-E-SP ^{6, 8, 11, 12} , QLA2342-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	Y1, 2, 3, 4, 18

Dell – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
50	PowerEdge 1750	PCI-X	Novell Netware 5.10: SP2A ⁵ , SP5 ^{5, 25} , SP6; Novell Netware 6.0: SP1 ^{5, 9, 10, 13} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic: QLA2310F-E-SP ^{6, 8, 11, 12} , QLA2340-E-SP ^{6, 8, 11, 12} , QLA2342-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	Y1, 2, 3, 4
51	PowerEdge 2650	PCI-X	Novell Netware 5.10: SP2A ⁵ , SP5 ^{5, 25} , SP6; Novell Netware 6.0: SP1 ^{5, 9, 10, 13} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic: QLA2340-E-SP ^{6, 8, 11, 12} , QLA2342-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	Y1, 2, 3, 4, 18
52	PowerEdge: 4600, 6600	PCI-X	Novell Netware 5.10: SP2A ⁵ , SP5 ^{5, 25} , SP6; Novell Netware 6.0: SP1 ^{5, 9, 10, 13} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic: QLA2340-E-SP ^{6, 8, 11, 12} , QLA2342-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	Y1, 2, 3, 4
53	PowerEdge 6650	PCI-X	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP5 ^{5, 25} , SP6; Novell Netware 6.0: SP1 ^{5, 9, 13} , SP1 ^{5, 9, 10} , SP2 ^{5, 9} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic QLA2342-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	Y1, 2, 3, 4
54	PowerEdge 6650	PCI-X	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP5 ^{5, 25} , SP6; Novell Netware 6.0: SP1 ^{5, 9, 10} , SP2 ^{5, 9} , SP3 ⁹	QLogic QLA2340-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	Y1, 2, 3, 4
55	PowerEdge 4600	PCI-X	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6	QLogic QLA2200F-EMC ^{6, 7, 8}	FC-AL, FC-SW	Y1, 2, 3, 4
56	PowerEdge 2650	PCI-X	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Netware 6.0: SP1 ^{5, 9, 10} , SP2 ^{5, 9} , SP3 ⁹	QLogic QLA2310F-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	Y1, 2, 3, 4, 18
57	PowerEdge: 4600, 6600	PCI-X	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Netware 6.0: SP1 ^{5, 9, 10} , SP2 ^{5, 9} , SP3 ⁹	QLogic QLA2310F-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	Y1, 2, 3, 4
58	PowerEdge: 2600, 6600, 6650	PCI-X	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Netware 6.0: SP1 ^{5, 9, 10} , SP2 ^{5, 9} , SP3 ⁹ , Novell Netware 6.5 ^{9, 29}	Emulex LP9002-E (LP9002L-E) ^{20, 21, 22}	FC-AL, FC-SW	N
59	PowerEdge: 1750, 2650, 4600	PCI-X	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Netware 6.0: SP1 ^{5, 9, 10} , SP2 ^{5, 9} , SP3 ⁹ , Novell Netware 6.5 ^{9, 29}	Emulex LP9002-E (LP9002L-E) ^{20, 21, 22} , QLogic QLA2300F-E-SP ^{6, 8, 11}	FC-AL, FC-SW	N
60	PowerEdge 6650	PCI-X	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Netware 6.0: SP1 ^{5, 9, 10} , SP2 ^{5, 9} , SP3 ⁹	QLogic QLA2310F-E-SP ^{6, 8, 11, 12}	FC-AL, FC-SW	Y1, 2, 3, 4
61	PowerEdge: 1750, 4600, 6600, 6650	PCI-X	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9} , SP3 ⁹	QLogic QLA2202F-EMC ^{6, 7, 14}	FC-AL, FC-SW	Y1, 2, 3
62	PowerEdge: 2600, 2650	PCI-X	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9} , SP3 ⁹	QLogic QLA2202F-EMC ^{6, 7, 14}	FC-AL, FC-SW	Y1, 2, 3, 18, 19
63	PowerEdge: 2600, 6600, 6650	PCI-X	Novell Netware 5.10: SP2A ⁵ , SP5 ⁵ , SP6; Novell Netware 6.0: SP1 ^{5, 9} , SP2 ^{5, 9} , SP3 ⁹ , Novell Netware 6.5 ^{9, 29}	QLogic QLA2300F-E-SP ^{6, 8, 11}	FC-AL, FC-SW	N
64	PowerEdge 2650	PCI-X	Novell Netware 5.10: SP5 ^{5, 13, 15} , SP6	QLogic QLA2200F-EMC ^{7, 8, 14, 16, 17}	FC-AL, FC-SW	Y1, 2, 3, 4, 18, 19
65	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP5 ^{5, 25} , SP6	QLogic QLA2200F-EMC ^{7, 8, 14}	FC-AL, FC-SW	Y1, 2, 3, 4, 18, 19
66	PowerEdge 1750	PCI-X	Novell Netware 5.10: SP5 ^{5, 25} , SP6; Novell Netware 6.0: SP1 ^{5, 9, 10, 13} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic QLA2200F-EMC ^{6, 7, 8, 14}	FC-AL, FC-SW	Y1, 2, 3, 4
67	PowerEdge: 6600, 6650	PCI-X	Novell Netware 5.10: SP5 ⁵ , SP6	QLogic QLA2200F-EMC ^{7, 8}	FC-AL, FC-SW	Y1, 2, 3, 4
68	PowerEdge 6600	PCI-X	Novell Netware 6.0 SP1 ^{5, 9, 13, 15}	QLogic QLA2200F-EMC ^{6, 7, 8, 14, 16, 17}	FC-AL, FC-SW	Y1, 2, 3, 4
69	PowerEdge 6650	PCI-X	Novell Netware 6.0 SP1 ^{5, 9, 13, 15}	QLogic QLA2200F-EMC ^{7, 8, 14, 16, 17}	FC-AL, FC-SW	Y1, 2, 3, 4
70	PowerEdge 4600	PCI-X	Novell Netware 6.0 SP1 ^{5, 9, 10, 13, 15}	QLogic QLA2200F-EMC ^{6, 7, 8, 14, 16, 17}	FC-AL, FC-SW	Y1, 2, 3, 4
71	PowerEdge 2650	PCI-X	Novell Netware 6.0: SP1 ^{5, 9, 13, 15} , SP2 ^{5, 9, 13, 15} , SP3 ⁹	QLogic QLA2200F-EMC ^{6, 7, 8, 14, 16, 17}	FC-AL, FC-SW	Y1, 2, 3, 4, 18, 19
72	PowerEdge 2600	PCI-X	Novell Netware 6.0: SP1 ^{5, 9, 13} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic QLA2200F-EMC ^{6, 7, 8, 14}	FC-AL, FC-SW	Y1, 2, 3, 4, 18, 19
73	PowerEdge 6650	PCI-X	Novell Netware 6.0: SP1 ^{5, 9, 13} , SP2 ^{5, 9, 13} , SP3 ⁹	QLogic QLA2340-E-SP ^{8, 11, 12}	FC-AL, FC-SW	Y1, 2, 3, 4

Dell – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
74	PowerEdge: 4600, 6600	PCI-X	Novell Netware 6.0: SP2 ^{5,9} , SP3 ⁹	QLogic QLA2200F-EMC ^{6,7,8,14}	FC-AL, FC-SW	Y1,2,3,4
75	PowerEdge 6650	PCI-X	Novell Netware 6.0: SP2 ^{5,9} , SP3 ⁹	QLogic QLA2200F-EMC ^{7,8,14}	FC-AL, FC-SW	Y1,2,3,4
76	PowerEdge 2650	PCI-X	Novell Netware 6.5 ^{9,29}	QLogic: QLA2200F-EMC ^{6,7,8,14,16,17} , QLA2202F-EMC ^{6,7,14} , QLA2310F-E-SP ^{6,8,11,12,30} , QLA2340-E-SP ^{8,12,30} , QLA2342-E-SP ^{8,12,30}	FC-AL, FC-SW	N
77	PowerEdge: 1750, 2600, 4600, 6600	PCI-X	Novell Netware 6.5 ^{9,29}	QLogic: QLA2200F-EMC ^{6,7,8,14} , QLA2202F-EMC ^{6,7,14} , QLA2310F-E-SP ^{6,8,11,12,30} , QLA2340-E-SP ^{8,12,30} , QLA2342-E-SP ^{8,12,30}	FC-AL, FC-SW	N
78	PowerEdge 6650	PCI-X	Novell Netware 6.5 ^{9,29}	QLogic: QLA2200F-EMC ^{6,7,8} , QLA2200F-EMC ^{7,8,14} , QLA2202F-EMC ^{6,7,14} , QLA2310F-E-SP ^{6,8,11,12,30} , QLA2340-E-SP ^{8,12,30} , QLA2342-E-SP ^{8,12,30}	FC-AL, FC-SW	N
79	PowerEdge 6650	PCI-X	Novell Netware: 5.10 SP2A ⁵ , 6.0 SP1 ^{5,9} , 6.0 SP2 ^{5,9} , 6.0 SP3 ⁹	QLogic QLA2200F-EMC ^{6,7,8}	FC-AL, FC-SW	Y1,2,3,4

- Edit config.sys with the following: Files=100 Buffers=99
- When installing NetWare for fabric boot (when operating system is not installed in the local host) on the Symmetrix, create only one LUN and then perform the install. To install a second server that will be fabric boot, repeat the process by creating one additional LUN and then loading the operating system to it. Continue this process until the desired number of fabric boot servers have been reached. Conditions exist where several LUNs are initially created and you perform your first install, NetWare will sometimes acquire and stripe the operating system across several of the newly created LUNs.
- To enable failover with fabric boot DOSFAT.NSS must be loaded from the autoexec.ncf. In a failed condition the c:\ partition will not failover correctly but the DOSFAT_C: partition will.
- NetWare boot support is contingent on migration of the DOS boot partition to an NSS partition. NetWare will warn you of the possibility of data corruption if you convert the DOS boot partition to an NSS partition. The risk of data corruption is during I/O to the C: drive while in the NetWare debugger, or while writing reboot log files during an "Auto Restart After Abend". When you load DOSFAT, please set "Auto Restart After Abend" to 0 to avoid the possibility of data corruption.
- Maximum number of NWFS volumes that can be mounted is 64.
- Driver installation with NetWare 5.0 SP6A: Do not load cpmpmk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.
- Driver Version 6.51a.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.
- Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
- Driver Version v6.51a.
- HPQ Proliant servers with ATF and Powerpath requires use of SCSIHD in place of CPQSHD.
- Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.**
- For ATF on Pre CX series, Multipath support or connections to the secondary port are not supported at this time. One path per SP, 2 HBAs per host.
- PowerPath and ATF supported.
- Novell Storage Services supported.
- DOS boot device maximum accessible capacity is 2GB. Netware SYS volume must be in LUN 0.
- Supports FC-AL point-to-point and Fabric switch configurations.
- Driver Version 3.90a7.
- PowerPath not currently supported.
- Requires BIOS version 2.02e.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- Requires HBA bios 1.83.**
- Requires NetWare patches: NWPAPT2A and NSS5J.
- Requires NWPA.NLM V.3.07A update from Novell website.
- Driver installation with NetWare 5.0 SP6A: Do not load cpmpmk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- Requires HBA firmware revision 1.83, available at <http://www.qlogic.com>**
- Requires SP4 or higher for NetWare 5.00.**
- Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
- Firmware Version 1.34.

Fujitsu Siemens

Fujitsu Siemens – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Primergy: 700, B210, C200, E200, F200, L200, N200, P200, R450	PCI	Novell Netware 5.00 SP6A ^{1,5,17}	QLogic QLA2200F-EMC ^{2,3}	FC-AL, FC-SW	N
2	Primergy P250	PCI	Novell Netware 5.00 SP6A ^{1,5,17}	QLogic: QLA2200F-EMC ^{2,3} , QLA2310F-E-SP ^{2,12,13} , QLA2340-E-SP ^{2,12,13} , QLA2342-E-SP ^{2,12,13}	FC-AL, FC-SW	N
3	Primergy: H400, K400, N400	PCI	Novell Netware 5.00 SP6A ^{1,5,17}	QLogic: QLA2200F-EMC ^{2,3} , QLA2340-E-SP ^{12,13} , QLA2342-E-SP ^{2,12,13}	FC-AL, FC-SW	N
4	Primergy P250	PCI	Novell Netware 5.10 SP2A ^{1,5,17}	QLogic QLA2340-E-SP ^{2,4,12,13}	FC-AL, FC-SW	Y7,8,9,10
5	Primergy: H400, K400, N400, P250	PCI	Novell Netware 5.10: SP2A ^{1,5,17} , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,5,6} , SP2 ^{1,5} , SP3 ⁵	QLogic QLA2342-E-SP ^{2,4,12,13}	FC-AL, FC-SW	Y7,8,9,10
6	Primergy: H400, K400, N400, P250	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,5,6} , SP2 ^{1,5} , SP3 ⁵	QLogic QLA2200F-EMC ^{2,3,4}	FC-AL, FC-SW	Y7,8,9,10
7	Primergy: 700, E200, F200, L200, N200, P200, R450, T850	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,5,6} , SP2 ^{1,5} , SP3 ⁵ ; Novell Netware 6.5 ^{5,19}	QLogic QLA2200F-EMC ^{2,3,4}	FC-AL, FC-SW	N
8	Primergy: H400, K400, N400, P250	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,5} , SP2 ^{1,5} , SP3 ⁵	QLogic QLA2202F-EMC ^{2,3,18}	FC-AL, FC-SW	Y7,8,9

Fujitsu Siemens – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
9	Primergy: 700, B210, C200, E200, F200, L200, N200, P200, R450	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,5} , SP2 ^{1,5} , SP3 ⁵ ; Novell Netware 6.5 ^{5,19}	QLogic QLA2202F-EMC ^{2,3,18}	FC-AL, FC-SW	N
10	Primergy P250	PCI	Novell Netware 5.10: SP5 ¹ , SP6	QLogic QLA2310F-E-SP ^{4,12,13}	FC-AL, FC-SW	Y7, 8, 9, 10
11	Primergy: H400, K400, N400	PCI	Novell Netware 5.10: SP5 ¹ , SP6	QLogic: QLA2310F-E-SP ^{4,12,13} , QLA2340-E-SP ^{4,12,13}	FC-AL, FC-SW	Y7, 8, 9, 10
12	Primergy P250	PCI	Novell Netware 5.10: SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,5,6} , SP2 ^{1,5} , SP3 ⁵	QLogic QLA2340-E-SP ^{4,12,13}	FC-AL, FC-SW	Y7, 8, 9, 10
13	Primergy: B210, C200, E200, F200, L200, N200, P200, R450	PCI	Novell Netware 6.0 SP1 ^{1,5,6}	QLogic QLA2310F-E-SP ^{2,4,12,13}	FC-AL, FC-SW	N
14	Primergy 700	PCI	Novell Netware 6.0: SP1 ^{1,5,6} , SP2 ^{1,5} , SP3 ⁵	QLogic: QLA2310F-E-SP ^{2,4,12,13} , QLA2340-E-SP ^{2,4,12,13} , QLA2342-E-SP ^{2,4,12,13}	FC-AL, FC-SW	N
15	Primergy: H400, K400, N400, P250	PCI	Novell Netware 6.5 ^{5,19}	QLogic: QLA2200F-EMC ^{2,3,4} , QLA2202F-EMC ^{2,3,18} , QLA2310F-E-SP ^{2,4,12,13,20} , QLA2340-E-SP ^{4,12,20} , QLA2342-E-SP ^{4,12,20}	FC-AL, FC-SW	N
16	Primergy 700	PCI	Novell Netware 6.5 ^{5,19}	QLogic: QLA2310F-E-SP ^{2,4,12,13,20} , QLA2340-E-SP ^{4,12,20} , QLA2342-E-SP ^{4,12,20}	FC-AL, FC-SW	N
17	Primergy P250	PCI	Novell Netware: 5.10 SP2A ^{1,5,17} , 6.0 SP1 ^{1,5,6} , 6.0 SP2 ^{1,5} , 6.0 SP3 ⁵	QLogic QLA2310F-E-SP ^{2,4,12,13}	FC-AL, FC-SW	Y7, 8, 9, 10
18	Primergy: H400, K400, N400	PCI	Novell Netware: 5.10 SP2A ^{1,5,17} , 6.0 SP1 ^{1,5,6} , 6.0 SP2 ^{1,5} , 6.0 SP3 ⁵	QLogic: QLA2310F-E-SP ^{2,4,12,13} , QLA2340-E-SP ^{2,4,12,13}	FC-AL, FC-SW	Y7, 8, 9, 10
19	Primergy: B210, C200	PCI	Novell Netware: 5.10 SP2A ^{1,6} , 6.0 SP1 ^{1,5} , 6.0 SP2 ^{1,5} , 6.0 SP3 ⁵ , 6.5 ^{5,19}	QLogic QLA2200F-EMC ^{2,3,4}	FC-AL, FC-SW	N
20	Primergy: H450, R450	PCI-X	Novell Netware 5.00 SP6A ^{1,5,17}	QLogic QLA2200F-EMC ^{2,3}	FC-AL, FC-SW	N
21	Primergy: F250 ¹¹ , H250 ¹¹	PCI-X	Novell Netware 5.00 SP6A ^{1,5,17}	QLogic: QLA2200F-EMC ^{2,3} , QLA2310F-E-SP ^{2,12,13} , QLA2340-E-SP ^{2,12,13} , QLA2342-E-SP ^{2,12,13}	FC-AL, FC-SW	N
22	Primergy: N800, RX200, RX300, TX200, TX300	PCI-X	Novell Netware 5.00 SP6A ^{1,5,17}	QLogic: QLA2200F-EMC ^{2,3} , QLA2340-E-SP ^{12,13} , QLA2342-E-SP ^{2,12,13}	FC-AL, FC-SW	N
23	Primergy: H250 ¹¹ , N800	PCI-X	Novell Netware 5.10: SP2A ^{1,5,17} , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,5,6} , SP2 ^{1,5} , SP3 ⁵	QLogic QLA2342-E-SP ^{2,4,12,13}	FC-AL, FC-SW	Y7, 8, 9, 10
24	Primergy: RX200, RX300, TX200, TX300	PCI-X	Novell Netware 5.10: SP2A ^{1,5,17} , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,5,6} , SP2 ^{1,5} , SP3 ⁵	QLogic QLA2342-E-SP ^{2,4,12,13}	FC-AL, FC-SW	N
25	Primergy: H250 ¹¹ , N800	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,5,6} , SP2 ^{1,5} , SP3 ⁵	QLogic QLA2200F-EMC ^{2,3,4}	FC-AL, FC-SW	Y7, 8, 9, 10
26	Primergy F250 ¹¹	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,5,6} , SP2 ^{1,5} , SP3 ⁵	QLogic: QLA2310F-E-SP ^{2,4,12,13} , QLA2340-E-SP ^{2,4,12,13} , QLA2342-E-SP ^{2,4,12,13}	FC-AL, FC-SW	N
27	Primergy: H450, RX200, RX300, TX200, TX300	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,5,6} , SP2 ^{1,5} , SP3 ⁵ ; Novell Netware 6.5 ^{5,19}	QLogic QLA2200F-EMC ^{2,3,4}	FC-AL, FC-SW	N
28	Primergy F250 ¹¹	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,5,6} , SP2 ^{1,5} , SP3 ⁵ ; Novell Netware 6.5 ^{5,19}	QLogic: QLA2200F-EMC ^{2,3,4} , QLA2300F-E-SP ^{2,4,13}	FC-AL, FC-SW	N
29	Primergy: H250 ¹¹ , N800	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,5} , SP2 ^{1,5} , SP3 ⁵	QLogic QLA2202F-EMC ^{2,3,18}	FC-AL, FC-SW	Y7, 8, 9
30	Primergy: F250 ¹¹ , H450, R450, RX200, RX300, TX200, TX300	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,5} , SP2 ^{1,5} , SP3 ⁵ ; Novell Netware 6.5 ^{5,19}	QLogic QLA2202F-EMC ^{2,3,18}	FC-AL, FC-SW	N
31	Primergy: H250 ¹¹ , N800	PCI-X	Novell Netware 5.10: SP5 ¹ , SP6	QLogic: QLA2310F-E-SP ^{4,12,13} , QLA2340-E-SP ^{4,12,13}	FC-AL, FC-SW	Y7, 8, 9, 10
32	Primergy: RX200, RX300, TX200, TX300	PCI-X	Novell Netware 5.10: SP5 ¹ , SP6	QLogic: QLA2310F-E-SP ^{4,12,13} , QLA2340-E-SP ^{4,12,13}	FC-AL, FC-SW	N
33	Primergy: H250 ¹¹ , N800	PCI-X	Novell Netware 6.5 ^{5,19}	QLogic: QLA2200F-EMC ^{2,3,4} , QLA2202F-EMC ^{2,3,18} , QLA2310F-E-SP ^{2,4,12,13,20} , QLA2340-E-SP ^{4,12,20} , QLA2342-E-SP ^{4,12,20}	FC-AL, FC-SW	N
34	Primergy: F250 ¹¹ , RX200, RX300, TX200, TX300	PCI-X	Novell Netware 6.5 ^{5,19}	QLogic: QLA2310F-E-SP ^{2,4,12,13,20} , QLA2340-E-SP ^{4,12,20} , QLA2342-E-SP ^{4,12,20}	FC-AL, FC-SW	N
35	Primergy: H250 ¹¹ , N800	PCI-X	Novell Netware: 5.10 SP2A ^{1,5,17} , 6.0 SP1 ^{1,5,6} , 6.0 SP2 ^{1,5} , 6.0 SP3 ⁵	QLogic: QLA2310F-E-SP ^{2,4,12,13} , QLA2340-E-SP ^{2,4,12,13}	FC-AL, FC-SW	Y7, 8, 9, 10
36	Primergy: RX200, RX300, TX200, TX300	PCI-X	Novell Netware: 5.10 SP2A ^{1,5,17} , 6.0 SP1 ^{1,5,6} , 6.0 SP2 ^{1,5} , 6.0 SP3 ⁵	QLogic: QLA2310F-E-SP ^{2,4,12,13} , QLA2340-E-SP ^{2,4,12,13}	FC-AL, FC-SW	N

Fujitsu Siemens – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
37	Primergy R450	PCI-X	Novell Netware: 5.10 SP2A ¹ , 6.0 SP1 ^{1, 5} , 6.0 SP2 ^{1, 5} , 6.0 SP3 ⁵ , 6.5 ⁵ , 19	QLogic QLA2200F-EMC ^{2, 3, 4}	FC-AL, FC-SW	N
38	Primergy F250 ¹¹	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 5, 6} , SP2 ^{1, 5} , SP3 ⁵ ; Novell Netware 6.5 ⁵ , 19	Emulex LP9002-E (LP9002L-E) ^{14, 15, 16}	FC-SW	N

- Maximum number of NWFS volumes that can be mounted is 64.
- Driver installation with NetWare 5.0 SP6A: Do not load cpmpmk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.
- Driver Version 6.51a.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.
- Edit config.sys with the following: Files=100 Buffers=99
- When installing NetWare for fabric boot (when operating system is not installed in the local host) on the Symmetrix, create only one LUN and then perform the install. To install a second server that will be fabric boot, repeat the process by creating one additional LUN and then loading the operating system to it. Continue this process until the desired number of fabric boot servers have been reached. Conditions exist where several LUNs are initially created and you perform your first install, NetWare will sometimes acquire and stripe the operating system across several of the newly created LUNs.
- To enable failover with fabric boot DOSFAT.NSS must be loaded from the autoexec.ncf. In a failed condition the c:\ partition will not failover correctly but the DOSFAT_C: partition will.
- NetWare boot support is contingent on migration of the DOS boot partition to an NSS partition. NetWare will warn you of the possibility of data corruption if you convert the DOS boot partition to an NSS partition. The risk of data corruption is during I/O to the C: drive while in the NetWare debugger, or while writing reboot log files during an "Auto Restart After Abend". When you load DOSFAT, please set "Auto Restart After Abend" to 0 to avoid the possibility of data corruption.
- Must use standard PCI 32bit/33MHz slot for SCSI
- Driver Version v6.51a.
- Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
- PowerPath not currently supported.
- Requires BIOS version 2.02e.
- Driver Version 3.90a7.
- Requires NWPA.NLM V.3.07A update from Novell website.
- Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.**
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
- Firmware Version 1.34.

HPQ

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Netserver LC: 2000 U3, 2000R; Netserver LH: 3, 3000, 4, 6000, II, PRO; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5, 13} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{4, 5} , 6000 ^{4, 5} , 6400R ⁵ , 6500 ^{4, 5} , 8000 ^{4, 5} , 850 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350 ⁵ , ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Novell Netware 5.00 SP6A ^{1, 7, 27}	QLogic QLA2200F-EMC ^{2, 3}	FC-AL	N
2	Netserver LH: 4, II; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5, 13} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{4, 5} , 6000 ^{4, 5} , 6400R ⁵ , 6500 ^{4, 5} , 850 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350 ⁵ , ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 7, 8} , SP2 ^{1, 7} , SP3 ⁷	QLogic QLA2200F-EMC ^{2, 3, 6}	FC-AL	y ^{9, 10, 11, 12}
3	Netserver LH: 4, II, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 7, 8} , SP2 ^{1, 7} , SP3 ⁷ ; Novell Netware 6.5 ^{7, 28}	HPQ D8602A (Agilent HHBA-5101B) ^{20, 21, 22}	FC-AL	N
4	Netserver: LC 2000 U3, LH PRO	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 7, 8} , SP2 ^{1, 7} , SP3 ⁷ ; Novell Netware 6.5 ^{7, 28}	HPQ D8602A (Agilent HHBA-5101B) ^{20, 21, 22} QLogic QLA2200F-EMC ^{2, 3, 6}	FC-AL	N
5	Netserver: LC 2000R, LH 3, LH 3000, LH 6000; Proliant 8000 ^{4, 5}	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 7, 8} , SP2 ^{1, 7} , SP3 ⁷ ; Novell Netware 6.5 ^{7, 28}	QLogic QLA2200F-EMC ^{2, 3, 6}	FC-AL	N
6	Netserver LH (LH Pro); Proliant 7000 ^{4, 5}	PCI	Novell Netware 5.10: SP5 ¹ , SP6	QLogic QLA2200F-EMC ^{2, 3, 6}	FC-AL	y ^{9, 10, 11, 12}
7	Proliant 8500	PCI	Novell Netware 5.10: SP5 ¹ , SP6	QLogic QLA2200F-EMC ^{2, 3, 6}	FC-AL	N
8	Netserver LH: 4, II; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5, 13} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{4, 5} , 6000 ^{4, 5} , 6400R ⁵ , 6500 ^{4, 5} , 850 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350 ⁵ , ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Novell Netware 6.5 ^{7, 28}	QLogic QLA2200F-EMC ^{2, 3, 6}	FC-AL	N
9	Netserver LH (LH Pro)	PCI	Novell Netware: 5.10 SP2A ¹ , 6.0 SP1 ^{1, 7} , 6.0 SP2 ^{1, 7} , 6.0 SP3 ⁷ , 6.5 ^{7, 28}	HPQ D8602A (Agilent HHBA-5101B) ^{20, 21, 22}	FC-AL	N
10	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 5.00 SP6A ^{1, 7, 27}	QLogic QLA2200F-EMC ^{2, 3}	FC-AL	N

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
11	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ¹ , 7, 8, SP2 ¹ , 7, SP3 ⁷	QLogic QLA2200F-EMC ² , 3, 6	FC-AL	Y ^{9, 10} , 11, 12
12	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 6.5 ^{7, 28}	QLogic QLA2200F-EMC ² , 3, 6	FC-AL	N
13	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ^{1, 7, 27}	QLogic QLA2200F-EMC ² , 3	FC-AL	N
14	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ¹ , 7, 8, SP2 ¹ , 7, SP3 ⁷	QLogic QLA2200F-EMC ² , 3, 6	FC-AL	Y ^{9, 10} , 11, 12
15	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.5 ^{7, 28}	QLogic QLA2200F-EMC ² , 3, 6	FC-AL	N
16	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5, 13} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{4, 5} , 6000 ^{4, 5} , 6400R ⁵ , 6500 ^{4, 5} , 7000 ^{4, 5} , 8000 ^{4, 5} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁶	PCI	Novell Netware 5.00 SP6A ^{1, 7, 27}	QLogic: QLA2200F-EMC ² , 3, QLA2310F-E-SP ² , 15, 17, QLA2340-E-SP ² , 15, 17, QLA2342-E-SP ² , 15, 17	FC-AL, FC-SW	N
17	Netserver LH: (LH Pro), 4, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5, 13} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{4, 5} , 6000 ^{4, 5} , 6400R ⁵ , 6500 ^{4, 5} , 7000 ^{4, 5} , 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁶	PCI	Novell Netware 5.10 SP2A ¹	QLogic QLA2200F-EMC ² , 3, 6	FC-AL, FC-SW	Y ^{9, 10} , 11, 12
18	Netserver LH: 3, 3000, 6000, PRO; Proliant: 8000 ^{4, 5} , 8500	PCI	Novell Netware 5.10 SP2A ¹	QLogic QLA2200F-EMC ² , 3, 6	FC-AL, FC-SW	N
19	Proliant DL580(G2) ⁵	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , 26, SP6; Novell Netware 6.0: SP1 ¹ , 7, 14, SP2 ¹ , 7, 14, SP3 ⁷	QLogic QLA2342-E-SP ² , 6, 15, 17	FC-AL, FC-SW	Y ^{9, 10} , 11, 12
20	Netserver LH: (LH Pro), 4, II, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5, 13} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{4, 5} , 6000 ^{4, 5} , 6400R ⁵ , 6500 ^{4, 5} , 7000 ^{4, 5} , 850 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580 ⁵ , ML350 ⁵ , ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , 26, SP6; Novell Netware 6.0: SP1 ¹ , 7, 14, SP2 ¹ , 7, 14, SP3 ⁷	QLogic: QLA2310F-E-SP ² , 6, 15, 17, QLA2340-E-SP ² , 6, 15, 17, QLA2342-E-SP ² , 6, 15, 17	FC-AL, FC-SW	Y ^{9, 10} , 11, 12
21	Netserver LH: 3, 3000, 6000; Proliant: 8000 ^{4, 5} , 8500	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , 26, SP6; Novell Netware 6.0: SP1 ¹ , 7, 14, SP2 ¹ , 7, 14, SP3 ⁷	QLogic: QLA2310F-E-SP ² , 6, 15, 17, QLA2340-E-SP ² , 6, 15, 17, QLA2342-E-SP ² , 6, 15, 17	FC-AL, FC-SW	N
22	Netserver LH PRO	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , 26, SP6; Novell Netware 6.0: SP1 ¹ , 7, 14, SP2 ¹ , 7, 14, SP3 ⁷	QLogic: QLA2340-E-SP ² , 6, 15, 17, QLA2342-E-SP ² , 6, 15, 17	FC-AL, FC-SW	N
23	Netserver LP 2000r; Proliant: DL320 ⁵ , ML350(G2) ⁵ , ML350(G3), ML370(G2), ML370(G3), ML750 ¹⁶	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , 26, SP6; Novell Netware 6.0: SP1 ¹ , 7, 8, 14, SP2 ¹ , 7, 14, SP3 ⁷	QLogic: QLA2310F-E-SP ² , 6, 15, 17, QLA2340-E-SP ² , 6, 15, 17, QLA2342-E-SP ² , 6, 15, 17	FC-AL, FC-SW	Y ^{9, 10} , 11, 12
24	Netserver LC 2000r	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , 26, SP6; Novell Netware 6.0: SP1 ¹ , 7, SP2 ¹ , 7, SP3 ⁷	QLogic: QLA2310F-E-SP ² , 6, 15, 17, QLA2340-E-SP ² , 6, 15, 17, QLA2342-E-SP ² , 6, 15, 17	FC-AL, FC-SW	N
25	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁶	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ¹ , 7, 8, SP2 ¹ , 7, SP3 ⁷ ; Novell Netware 6.5 ^{7, 28}	Emulex LP9002-E (LP9002L-E) ^{23, 24, 25} ; QLogic QLA2300F-E-SP ² , 6, 15	FC-AL, FC-SW	N
26	Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5, 13} , 1850 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{4, 5} , 6000 ^{4, 5} , 6400R ⁵ , 6500 ^{4, 5} , 8000 ^{4, 5} , 850 ⁵	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ¹ , 7, 8, SP2 ¹ , 7, SP3 ⁷ ; Novell Netware 6.5 ^{7, 28}	QLogic QLA2300F-E-SP ² , 6, 15	FC-AL, FC-SW	N

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
27	Netserver LH: (LH Pro), 4, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5,13} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{4,5} , 6000 ^{4,5} , 6400R ⁵ , 6500 ^{4,5} , 7000 ^{4,5} , 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁶	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,7} , SP2 ^{1,7} , SP3 ⁷	QLogic QLA2202F-EMC ^{2,3,19}	FC-AL, FC-SW	Y ^{9,10,11}
28	Netserver LH PRO	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,7} , SP2 ^{1,7} , SP3 ⁷	QLogic QLA2310F-E-SP ^{2,6,15,17}	FC-AL, FC-SW	N
29	Netserver LC 2000 U3	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,7} , SP2 ^{1,7} , SP3 ⁷	QLogic: QLA2340-E-SP ^{2,6,15,17} , QLA2342-E-SP ^{2,6,15,17}	FC-AL, FC-SW	N
30	Proliant 8500	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,7} , SP2 ^{1,7} , SP3 ⁷ ; Novell Netware 6.5 ^{7,28}	Emulex LP9002-E (LP9002L-E) ^{24,25} ; QLogic: QLA2202F-EMC ^{2,3,19} , QLA2300F-E-SP ^{2,6,15}	FC-AL, FC-SW	N
31	Netserver LC: 2000 U3, 2000r; Netserver LH; 3, 3000, 6000, PRO; Proliant 8000 ^{4,5}	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,7} , SP2 ^{1,7} , SP3 ⁷ ; Novell Netware 6.5 ^{7,28}	QLogic QLA2202F-EMC ^{2,3,19}	FC-AL, FC-SW	N
32	Netserver LH (LH Pro); Proliant 7000 ^{4,5}	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,7} , SP2 ^{1,7} , SP3 ⁷ ; Novell Netware 6.5 ^{7,28}	QLogic QLA2300F-E-SP ^{2,6,15}	FC-AL, FC-SW	N
33	Proliant: 1600 ^{5,13} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{4,5} , 6000 ^{4,5} , 6400R ⁵ , 6500 ^{4,5} , 7000 ^{4,5} , 850 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580 ⁵ , ML350 ⁵ , ML370 ⁵ , ML370(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Novell Netware 5.10: SP5 ^{1,26} , SP6	QLogic QLA2200F-EMC ^{3,6,18}	FC-AL, FC-SW	Y ^{9,10,11,12}
34	Proliant: 8000 ^{4,5} , 8500	PCI	Novell Netware 5.10: SP5 ^{1,26} , SP6	QLogic QLA2200F-EMC ^{3,6,18}	FC-AL, FC-SW	N
35	Netserver LH: (LH Pro), 4, II; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.10: SP5 ^{1,26} , SP6	QLogic QLA2200F-EMC ^{3,6,19}	FC-AL, FC-SW	Y ^{9,10,11,12}
36	Netserver LH: 3, 3000, 6000	PCI	Novell Netware 5.10: SP5 ^{1,26} , SP6	QLogic QLA2200F-EMC ^{3,6,19}	FC-AL, FC-SW	N
37	Proliant ML750 ⁵	PCI	Novell Netware 5.10: SP5 ^{1,26} , SP6	QLogic QLA2310F-E-SP ^{2,6,15,17}	FC-AL, FC-SW	Y ^{9,10,11,12,16}
38	Netserver LC 2000 U3	PCI	Novell Netware 5.10: SP5 ^{1,26} , SP6	QLogic QLA2310F-E-SP ^{6,15,17}	FC-AL, FC-SW	N
39	Proliant DL580(G2) ⁵	PCI	Novell Netware 5.10: SP5 ^{1,26} , SP6	QLogic: QLA2200F-EMC ^{3,6,18} , QLA2310F-E-SP ^{6,15,17} , QLA2340-E-SP ^{6,15,17}	FC-AL, FC-SW	Y ^{9,10,11,12}
40	Proliant DL380(G3) ¹⁶	PCI	Novell Netware 5.10: SP5 ^{1,26} , SP6	QLogic: QLA2200F-EMC ^{3,6,18} , QLA2310F-E-SP ^{6,15,17} , QLA2340-E-SP ^{6,15,17} , QLA2342-E-SP ^{2,6,15,17}	FC-AL, FC-SW	Y ^{9,10,11,12}
41	Proliant: DL320 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML370(G2), ML370(G3), ML750 ¹⁶	PCI	Novell Netware 5.10: SP5 ^{1,26} , SP6; Novell Netware 6.0: SP1 ^{1,7,8,14} , SP2 ^{1,7,14} , SP3 ⁷	QLogic QLA2200F-EMC ^{2,3,6,18}	FC-AL, FC-SW	Y ^{9,10,11,12}
42	Netserver: LH III, LP 2000r	PCI	Novell Netware 5.10: SP5 ^{1,26} , SP6; Novell Netware 6.0: SP1 ^{1,7,8,14} , SP2 ^{1,7,14} , SP3 ⁷	QLogic QLA2200F-EMC ^{2,3,6,19}	FC-AL, FC-SW	Y ^{9,10,11,12}
43	Netserver LH (LH Pro)	PCI	Novell Netware 5.10: SP5 ¹ , SP6	HPQ D8602A (Agilent HHBA-5101B) ^{20,21,22}	FC-AL, FC-SW	N
44	Netserver LC: 2000 U3, 2000r; Netserver LH PRO	PCI	Novell Netware 5.10: SP5 ¹ , SP6	QLogic QLA2200F-EMC ^{3,6}	FC-AL, FC-SW	N
45	Proliant ML750 ⁵	PCI	Novell Netware 5.10: SP5 ¹ , SP6	QLogic: QLA2340-E-SP ^{2,6,15,17} , QLA2342-E-SP ^{2,6,15,17}	FC-AL, FC-SW	Y ^{9,10,11,12,16}
46	Proliant: 1600 ^{5,13} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{4,5} , 6000 ^{4,5} , 6400R ⁵ , 6500 ^{4,5} , 7000 ^{4,5} , 850 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350 ⁵ , ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Novell Netware 6.0: SP1 ^{1,7,14} , SP2 ^{1,7,14} , SP3 ⁷	QLogic QLA2200F-EMC ^{2,3,6,18}	FC-AL, FC-SW	Y ^{9,10,11,12}
47	Netserver LH: (LH Pro), 4, II; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 6.0: SP1 ^{1,7,14} , SP2 ^{1,7,14} , SP3 ⁷	QLogic QLA2200F-EMC ^{2,3,6,19}	FC-AL, FC-SW	Y ^{9,10,11,12}

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
48	Proliant: 8000 ^{4,5} , 8500	PCI	Novell Netware 6.0: SP1 ^{1,7,14} , SP2 ^{1,7,14} , SP3 ⁷ ; Novell Netware 6.5 ^{7,28}	QLogic QLA2200F-EMC ^{2,3,6,18}	FC-AL, FC-SW	N
49	Netserver LH: 3, 3000, 6000, PRO	PCI	Novell Netware 6.0: SP1 ^{1,7,14} , SP2 ^{1,7,14} , SP3 ⁷ ; Novell Netware 6.5 ^{7,28}	QLogic QLA2200F-EMC ^{2,3,6,19}	FC-AL, FC-SW	N
50	Proliant: 1600 ^{5,13} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{4,5} , 6000 ^{4,5} , 6400R ⁵ , 6500 ^{4,5} , 7000 ^{4,5} , 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁶	PCI	Novell Netware 6.5 ^{7,28}	QLogic: QLA2200F-EMC ^{2,3,6,18} , QLA2202F-EMC ^{2,3,19} , QLA2310F-E-SP ^{2,6,15,17,29} , QLA2340-E-SP ^{6,17,29} , QLA2342-E-SP ^{6,17,29}	FC-AL, FC-SW	N
51	Netserver LH: (LH Pro), 4, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 6.5 ^{7,28}	QLogic: QLA2200F-EMC ^{2,3,6,19} , QLA2202F-EMC ^{2,3,19} , QLA2310F-E-SP ^{2,6,15,17,29} , QLA2340-E-SP ^{6,17,29} , QLA2342-E-SP ^{6,17,29}	FC-AL, FC-SW	N
52	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 6000, PRO; Proliant: 8000 ^{4,5} , 8500	PCI	Novell Netware 6.5 ^{7,28}	QLogic: QLA2310F-E-SP ^{2,6,15,17,29} , QLA2340-E-SP ^{6,17,29} , QLA2342-E-SP ^{6,17,29}	FC-AL, FC-SW	N
53	Proliant DL580(G2) ⁵	PCI	Novell Netware: 5.10 SP2A ¹ , 6.0 SP1 ^{1,7,14} , 6.0 SP2 ^{1,7,14} , 6.0 SP3 ⁷	QLogic: QLA2310F-E-SP ^{2,6,15,17} , QLA2340-E-SP ^{2,6,15,17}	FC-AL, FC-SW	Y ^{9,10,11,12}
54	Netserver LC 2000 U3	PCI	Novell Netware: 5.10 SP2A ¹ , 6.0 SP1 ^{1,7} , 6.0 SP2 ^{1,7} , 6.0 SP3 ⁷	QLogic QLA2310F-E-SP ^{2,6,15,17}	FC-AL, FC-SW	N
55	Netserver LC: 2000 U3, 2000r	PCI	Novell Netware: 5.10 SP2A ¹ , 6.0 SP1 ^{1,7} , 6.0 SP2 ^{1,7} , 6.0 SP3 ⁷ , 6.5 ^{7,28}	QLogic QLA2200F-EMC ^{2,3,6}	FC-AL, FC-SW	N
56	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Novell Netware 5.00 SP6A ^{1,7,27}	QLogic: QLA2200F-EMC ^{2,3} , QLA2310F-E-SP ^{2,15,17} , QLA2340-E-SP ^{2,15,17} , QLA2342-E-SP ^{2,15,17}	FC-AL, FC-SW	N
57	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Novell Netware 5.10 SP2A ¹	QLogic QLA2200F-EMC ^{2,3,6}	FC-AL, FC-SW	Y ^{9,10,11,12}
58	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ^{1,26} , SP6; Novell Netware 6.0: SP1 ^{1,7,14} , SP2 ^{1,7,14} , SP3 ⁷	QLogic: QLA2310F-E-SP ^{2,6,15,17} , QLA2340-E-SP ^{2,6,15,17} , QLA2342-E-SP ^{2,6,15,17}	FC-AL, FC-SW	Y ^{9,10,11,12}
59	Proliant: DL740, DL760 (G2), DL760 ⁵	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ^{1,26} , SP6; Novell Netware 6.0: SP1 ^{1,7,8,14} , SP2 ^{1,7,14} , SP3 ⁷	QLogic: QLA2310F-E-SP ^{2,6,15,17} , QLA2340-E-SP ^{2,6,15,17} , QLA2342-E-SP ^{2,6,15,17}	FC-AL, FC-SW	Y ^{9,10,11,12}
60	Proliant DL740	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,7,8} , SP2 ^{1,7} , SP3 ⁷ ; Novell Netware 6.5 ^{7,28}	Emulex LP9002-E (LP9002L-E) ^{23,24,25}	FC-AL, FC-SW	N
61	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,7,8} , SP2 ^{1,7} , SP3 ⁷ ; Novell Netware 6.5 ^{7,28}	Emulex LP9002-E (LP9002L-E) ^{23,24,25} QLogic QLA2300F-E-SP ^{2,6,15}	FC-AL, FC-SW	N
62	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,7} , SP2 ^{1,7} , SP3 ⁷	QLogic QLA2202F-EMC ^{2,3,19}	FC-AL, FC-SW	Y ^{9,10,11}
63	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 5.10: SP5 ^{1,26} , SP6	QLogic QLA2200F-EMC ^{3,6,18}	FC-AL, FC-SW	Y ^{9,10,11,12}
64	Proliant: DL740, DL760 (G2), DL760 ⁵	PCI-X	Novell Netware 5.10: SP5 ^{1,26} , SP6; Novell Netware 6.0: SP1 ^{1,7,8,14} , SP2 ^{1,7,14} , SP3 ⁷	QLogic QLA2200F-EMC ^{2,3,6,18}	FC-AL, FC-SW	Y ^{9,10,11,12}
65	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 6.0: SP1 ^{1,7,14} , SP2 ^{1,7,14} , SP3 ⁷	QLogic QLA2200F-EMC ^{2,3,6,18}	FC-AL, FC-SW	Y ^{9,10,11,12}
66	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Novell Netware 6.5 ^{7,28}	QLogic: QLA2200F-EMC ^{2,3,6,18} , QLA2202F-EMC ^{2,3,19} , QLA2310F-E-SP ^{2,6,15,17,29} , QLA2340-E-SP ^{6,17,29} , QLA2342-E-SP ^{6,17,29}	FC-AL, FC-SW	N

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
67	Proliant DL740	PCI-X	Novell Netware 6.5 ^{7, 28}	QLogic: QLA2200F-EMC ^{2, 3, 6, 18} , QLA2310F-E-SP ^{2, 6, 15, 17, 29} , QLA2340-E-SP ^{6, 17, 29} , QLA2342-E-SP ^{6, 17, 29}	FC-AL, FC-SW	N
68	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ^{1, 7, 27}	QLogic: QLA2200F-EMC ^{2, 3} , QLA2310F-E-SP ^{2, 15, 17} , QLA2340-E-SP ^{2, 15, 17} , QLA2342-E-SP ^{2, 15, 17}	FC-AL, FC-SW	N
69	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10 SP2A ¹	QLogic QLA2200F-EMC ^{2, 3, 6}	FC-AL, FC-SW	Y ^{9, 10, 11, 12}
70	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 26} , SP6; Novell Netware 6.0: SP1 ^{1, 7, 14} , SP2 ^{1, 7, 14} , SP3 ⁷	QLogic: QLA2310F-E-SP ^{2, 6, 15, 17} , QLA2340-E-SP ^{2, 6, 15, 17} , QLA2342-E-SP ^{2, 6, 15, 17}	FC-AL, FC-SW	Y ^{9, 10, 11, 12}
71	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 7, 8} , SP2 ^{1, 7} , SP3 ⁷ ; Novell Netware 6.5 ^{7, 28}	Emulex LP9002-E (LP9002L-E) ^{23, 24, 25} ; QLogic QLA2300F-E-SP ^{2, 6, 15}	FC-AL, FC-SW	N
72	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 7} , SP2 ^{1, 7} , SP3 ⁷	QLogic QLA2202F-EMC ^{2, 3, 19}	FC-AL, FC-SW	Y ^{9, 10, 11}
73	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP5 ^{1, 26} , SP6	QLogic QLA2200F-EMC ^{3, 6, 18}	FC-AL, FC-SW	Y ^{9, 10, 11, 12}
74	Proliant DL580(G2) ⁵	PCI, PCI-X	Novell Netware 5.10: SP5 ^{1, 26} , SP6	QLogic: QLA2310F-E-SP ^{2, 6, 15, 17} , QLA2340-E-SP ^{2, 6, 15, 17}	FC-AL, FC-SW	Y ^{9, 10, 11, 12}
75	Proliant DL580(G2) ⁵	PCI, PCI-X	Novell Netware 5.10: SP5 ^{1, 26} , SP6; Novell Netware 6.0: SP1 ^{1, 7, 14} , SP2 ^{1, 7, 14} , SP3 ⁷	QLogic: QLA2200F-EMC ^{3, 6} , QLA2342-E-SP ^{2, 6, 15, 17}	FC-AL, FC-SW	Y ^{9, 10, 11, 12}
76	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.0: SP1 ^{1, 7, 14} , SP2 ^{1, 7, 14} , SP3 ⁷	QLogic QLA2200F-EMC ^{2, 3, 6, 18}	FC-AL, FC-SW	Y ^{9, 10, 11, 12}
77	Proliant DL580(G2) ⁵	PCI, PCI-X	Novell Netware 6.0: SP1 ^{1, 7, 14} , SP2 ^{1, 7, 14} , SP3 ⁷	QLogic: QLA2310F-E-SP ^{6, 15, 17} , QLA2340-E-SP ^{6, 15, 17}	FC-AL, FC-SW	Y ^{9, 10, 11, 12}
78	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.5 ^{7, 28}	QLogic: QLA2200F-EMC ^{2, 3, 6, 18} , QLA2202F-EMC ^{2, 3, 19} , QLA2310F-E-SP ^{2, 6, 15, 17, 29} , QLA2340-E-SP ^{6, 17, 29} , QLA2342-E-SP ^{6, 17, 29}	FC-AL, FC-SW	N
79	Proliant DL580(G2) ⁵	PCI, PCI-X	Novell Netware 6.5 ^{7, 28}	QLogic: QLA2200F-EMC ^{3, 6} , QLA2310F-E-SP ^{6, 15, 17, 29} , QLA2340-E-SP ^{6, 17, 29} , QLA2342-E-SP ^{6, 17, 29}	FC-AL, FC-SW	N

- Maximum number of NWFS volumes that can be mounted is 64.
- Driver installation with NetWare 5.0 SP6A: Do not load cpmpmk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.
- Includes both Pentium PRO and XEON models
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Driver Version 6.51a.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.
- Edit config.sys with the following: Files=100 Buffers=99
- When installing NetWare for fabric boot (when operating system is not installed in the local host) on the Symmetrix, create only one LUN and then perform the install. To install a second server that will be fabric boot, repeat the process by creating one additional LUN and then loading the operating system to it. Continue this process until the desired number of fabric boot servers have been reached. Conditions exist where several LUNs are initially created and you perform your first install, NetWare will sometimes acquire and stripe the operating system across several of the newly created LUNs.
- To enable failover with fabric boot DOSFAT.NSS must be loaded from the autoexec.ncf. In a failed condition the c:\ partition will not failover correctly but the DOSFAT_C: partition will.
- NetWare boot support is contingent on migration of the DOS boot partition to an NSS partition. NetWare will warn you of the possibility of data corruption if you convert the DOS boot partition to an NSS partition. The risk of data corruption is during I/O to the C: drive while in the NetWare debugger, or while writing reboot log files during an "Auto Restart After Abend". When you load DOSFAT, please set "Auto Restart After Abend" to 0 to avoid the possibility of data corruption.
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- HPQ Proliant servers with ATF and Powerpath requires use of SCSIHD in place of CPQSHD.
- Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- Driver Version v6.51a.
- Requires HBA bios 1.83.**
- Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.**
- (HHBA-5101BK-01)
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Driver Version 2.00E or higher. Requires NetWare 5.1 support pack 3 or higher.
- PowerPath not currently supported.
- Requires BIOS version 2.02e.
- Driver Version 3.90a7.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- Requires NWPA.NLM V.3.07A update from Novell website.
- Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
- Firmware Version 1.34.

IBM

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	xSeries x440	PCI-X	Novell Netware 5.10: SP5 ³ , SP6	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-AL	Y
2	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP5 ³ , SP6	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-AL	Y
3	Netfinity 8500R	PCI	Novell Netware 5.00 SP6A ^{1, 3, 25}	QLogic: QLA2200F-EMC ^{4, 5, 10} , QLA2310F-E-SP ^{4, 8, 9} , QLA2340-E-SP ^{4, 8, 9} , QLA2342-E-SP ^{4, 8, 9}	FC-AL, FC-SW	Y
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁷ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware 5.00 SP6A ^{1, 3, 25}	QLogic: QLA2200F-EMC ^{4, 5} , QLA2310F-E-SP ^{4, 8, 9} , QLA2340-E-SP ^{4, 8, 9} , QLA2342-E-SP ^{4, 8, 9}	FC-AL, FC-SW	Y
5	Netfinity 8500	PCI	Novell Netware 5.00 SP6A ^{1, 3, 25}	QLogic: QLA2200F-EMC ^{5, 10} , QLA2310F-E-SP ^{4, 8, 9} , QLA2340-E-SP ^{8, 9} , QLA2342-E-SP ^{4, 8, 9}	FC-AL, FC-SW	Y
6	xSeries x345	PCI	Novell Netware 5.00 SP6A ^{1, 3, 25}	QLogic: QLA2200F-EMC ⁵ , QLA2310F-E-SP ^{4, 8, 9} , QLA2340-E-SP ^{4, 8, 9} , QLA2342-E-SP ^{4, 8, 9}	FC-AL, FC-SW	Y
7	Netfinity 8500R	PCI	Novell Netware 5.10 SP2 ³	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-AL, FC-SW	Y
8	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware 5.10 SP2A ³	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-AL, FC-SW	Y
9	Netfinity 7000 M10 ⁷	PCI	Novell Netware 5.10 SP2A ³	QLogic: QLA2200F-EMC ^{4, 5, 6} , QLA2310F-E-SP ^{4, 6, 8, 9} , QLA2340-E-SP ^{4, 6, 8, 9} , QLA2342-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
10	Netfinity 8500R	PCI	Novell Netware 5.10: SP2A ³ , SP2 ³ , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic: QLA2310F-E-SP ^{4, 6, 8, 9} , QLA2340-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
11	Netfinity 8500	PCI	Novell Netware 5.10: SP2A ³ , SP5 ^{3, 23} , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3, 14} , SP3 ¹	IBM: 00N6881 (QLA2200) ^{4, 10, 15, 18, 19, 20, 22} , 19K1246(QLA2310) ^{4, 15, 16, 17, 18, 19, 20} , 24P0960(QLA2340) ^{4, 10, 15, 18, 19, 20, 21} ; QLogic: QLA2200F-EMC ^{5, 6, 10} , QLA2310F-E-SP ^{4, 6, 8, 9} , QLA2342-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
12	Netfinity 8500R	PCI	Novell Netware 5.10: SP2A ³ , SP5 ^{3, 23} , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3, 14} , SP3 ¹	QLogic QLA2200F-EMC ^{4, 5, 6, 10}	FC-AL, FC-SW	Y
13	xSeries: X342, x255	PCI	Novell Netware 5.10: SP2A ³ , SP5 ^{3, 23} , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic: QLA2310F-E-SP ^{4, 6, 8, 9} , QLA2340-E-SP ^{4, 6, 8, 9} , QLA2342-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
14	xSeries x232	PCI	Novell Netware 5.10: SP2A ³ , SP5 ^{3, 23} , SP6; Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic QLA2342-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
15	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), x230, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP2A ³ , SP5 ^{3, 23} , SP6; Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic: QLA2310F-E-SP ^{4, 6, 8, 9} , QLA2340-E-SP ^{4, 6, 8, 9} , QLA2342-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
16	xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP2A ³ , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13} ; IBM: 00N6881 (QLA2200) ^{4, 10, 15, 18, 19, 20, 22} , 19K1246(QLA2310) ^{4, 15, 16, 17, 18, 19, 20} , 24P0960(QLA2340) ^{4, 10, 15, 18, 19, 20, 21} ; QLogic QLA2300F-E-SP ^{4, 6, 8}	FC-AL, FC-SW	Y
17	Netfinity 8500R	PCI	Novell Netware 5.10: SP2A ³ , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13} ; IBM: 00N6881 (QLA2200) ^{4, 10, 15, 18, 19, 20, 22} , 19K1246(QLA2310) ^{4, 15, 16, 17, 18, 19, 20} , 24P0960(QLA2340) ^{4, 10, 15, 18, 19, 20, 21} ; QLogic: QLA2300F-E-SP ^{4, 6, 8} , QLA2342-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
18	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁷ , 7100, 7600; xSeries x255	PCI	Novell Netware 5.10: SP2A ³ , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	IBM: 00N6881 (QLA2200) ^{4, 10, 15, 18, 19, 20, 22} , 19K1246(QLA2310) ^{4, 15, 16, 17, 18, 19, 20} , 24P0960(QLA2340) ^{4, 10, 15, 18, 19, 20, 21} ; QLogic QLA2300F-E-SP ^{4, 6, 8}	FC-AL, FC-SW	Y
19	xSeries x345	PCI	Novell Netware 5.10: SP2A ³ , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic: QLA2200F-EMC ^{5, 6} , QLA2300F-E-SP ^{4, 6, 8} , QLA2310F-E-SP ^{4, 6, 8, 9} , QLA2340-E-SP ^{4, 6, 8, 9} , QLA2342-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
20	xSeries x255	PCI	Novell Netware 5.10: SP2A ³ , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	Emulex LP9002-E (LP9002L-E) ^{12, 13} ; IBM: 00N6881 (QLA2200) ^{4, 10, 22} , 19K1246(QLA2310) ^{4, 16, 17, 19} , 24P0960(QLA2340) ^{4, 10, 21} ; QLogic QLA2202F-EMC ^{4, 5, 10}	FC-AL, FC-SW	Y
21	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁷ , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP2A ³ , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	IBM: 00N6881 (QLA2200) ^{4, 10, 22} , 19K1246(QLA2310) ^{4, 16, 17, 19} , 24P0960(QLA2340) ^{4, 10, 21} ; QLogic QLA2202F-EMC ^{4, 5, 10}	FC-AL, FC-SW	Y
22	xSeries x345	PCI	Novell Netware 5.10: SP2A ³ , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic QLA2202F-EMC ^{4, 5, 10}	FC-AL, FC-SW	Y
23	xSeries x255	PCI	Novell Netware 5.10: SP5 ^{3, 23} , SP6	QLogic QLA2200F-EMC ^{5, 6}	FC-AL, FC-SW	Y

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
24	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁴ , 7100, 7600; xSeries: X330, X340 (4500R), x230, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP5 ³ , 23, SP6	QLogic QLA2200F-EMC ^{5, 6, 10}	FC-AL, FC-SW	Y
25	Netfinity 8500	PCI	Novell Netware 5.10: SP5 ³ , 23, SP6	QLogic QLA2340-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
26	xSeries x232	PCI	Novell Netware 5.10: SP5 ³ , 23, SP6	QLogic: QLA2200F-EMC ^{5, 6, 10} , QLA2310F-E-SP ^{6, 8, 9} , QLA2340-E-SP ^{6, 8, 9}	FC-AL, FC-SW	Y
27	xSeries X342	PCI	Novell Netware 5.10: SP5 ³ , 23, SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic QLA2200F-EMC ^{4, 5, 6, 10}	FC-AL, FC-SW	Y
28	Netfinity 7000 M10 ^{7, 24} ; xSeries X335	PCI	Novell Netware 5.10: SP5 ³ , 23, SP6; Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic: QLA2310F-E-SP ^{4, 6, 8, 9} , QLA2340-E-SP ^{4, 6, 8, 9} , QLA2342-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
29	xSeries X335	PCI	Novell Netware 5.10: SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	IBM: 19K1246(QLA2310) ^{4, 15, 16, 17, 18, 19, 20} , 24P0960(QLA2340) ^{4, 10, 15, 18, 19, 20, 21}	FC-AL, FC-SW	Y
30	xSeries x255	PCI	Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic QLA2200F-EMC ^{4, 5, 6, 10}	FC-AL, FC-SW	Y
31	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ^{7, 24} , 7100, 7600; xSeries: X330, X340 (4500R), x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic QLA2200F-EMC ^{4, 5, 6, 10}	FC-AL, FC-SW	Y
32	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 6.5 ^{1, 26}	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13} ; IBM 00N6881: (QLA2200) ^{4, 10, 15, 18, 19, 20, 22} , (QLA2200) ^{4, 10, 22} ; IBM: 19K1246(QLA2310) ^{4, 15, 16, 17, 18, 19, 20} , 19K1246(QLA2310) ^{4, 16, 17, 19} , 24P0960(QLA2340) ^{4, 10, 15, 18, 19, 20, 21} , 24P0960(QLA2340) ^{4, 10, 21} ; QLogic: QLA2200F-EMC ^{4, 5, 6, 10} , QLA2202F-EMC ^{4, 5, 10} , QLA2300F-E-SP ^{4, 6, 8} , QLA2310F-E-SP ^{4, 6, 8, 9, 27} , QLA2340-E-SP ^{6, 9, 27} , QLA2342-E-SP ^{6, 9, 27}	FC-AL, FC-SW	N
33	xSeries x255	PCI	Novell Netware 6.5 ^{1, 26}	Emulex LP9002-E (LP9002L-E) ^{12, 13} ; IBM 00N6881: (QLA2200) ^{4, 10, 15, 18, 19, 20, 22} , (QLA2200) ^{4, 10, 22} ; IBM: 19K1246(QLA2310) ^{4, 15, 16, 17, 18, 19, 20} , 19K1246(QLA2310) ^{4, 16, 17, 19} , 24P0960(QLA2340) ^{4, 10, 15, 18, 19, 20, 21} , 24P0960(QLA2340) ^{4, 10, 21} ; QLogic: QLA2200F-EMC ^{4, 5, 6, 10} , QLA2202F-EMC ^{4, 5, 10} , QLA2300F-E-SP ^{4, 6, 8} , QLA2310F-E-SP ^{4, 6, 8, 9, 27} , QLA2340-E-SP ^{6, 9, 27} , QLA2342-E-SP ^{6, 9, 27}	FC-AL, FC-SW	N
34	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600	PCI	Novell Netware 6.5 ^{1, 26}	IBM 00N6881: (QLA2200) ^{4, 10, 15, 18, 19, 20, 22} , (QLA2200) ^{4, 10, 22} ; IBM: 19K1246(QLA2310) ^{4, 15, 16, 17, 18, 19, 20} , 19K1246(QLA2310) ^{4, 16, 17, 19} , 24P0960(QLA2340) ^{4, 10, 15, 18, 19, 20, 21} , 24P0960(QLA2340) ^{4, 10, 21} ; QLogic: QLA2200F-EMC ^{4, 5, 6, 10} , QLA2202F-EMC ^{4, 5, 10} , QLA2300F-E-SP ^{4, 6, 8} , QLA2310F-E-SP ^{4, 6, 8, 9, 27} , QLA2340-E-SP ^{6, 9, 27} , QLA2342-E-SP ^{6, 9, 27}	FC-AL, FC-SW	N
35	Netfinity 8500	PCI	Novell Netware 6.5 ^{1, 26}	IBM 00N6881: (QLA2200) ^{4, 10, 15, 18, 19, 20, 22} , (QLA2200) ^{4, 10, 22} ; IBM: 19K1246(QLA2310) ^{4, 15, 16, 17, 18, 19, 20} , 19K1246(QLA2310) ^{4, 16, 17, 19} , 24P0960(QLA2340) ^{4, 10, 15, 18, 19, 20, 21} , 24P0960(QLA2340) ^{4, 10, 21} ; QLogic: QLA2200F-EMC ^{5, 6, 10} , QLA2202F-EMC ^{4, 5, 10} , QLA2310F-E-SP ^{4, 6, 8, 9, 27} , QLA2340-E-SP ^{6, 9, 27} , QLA2342-E-SP ^{6, 9, 27}	FC-AL, FC-SW	N
36	Netfinity 7000 M10 ⁷	PCI	Novell Netware 6.5 ^{1, 26}	IBM 00N6881: (QLA2200) ^{4, 10, 15, 18, 19, 20, 22} , (QLA2200) ^{4, 10, 22} ; IBM: 19K1246(QLA2310) ^{4, 15, 16, 17, 18, 19, 20} , 19K1246(QLA2310) ^{4, 16, 17, 19} , 24P0960(QLA2340) ^{4, 10, 15, 18, 19, 20, 21} , 24P0960(QLA2340) ^{4, 10, 21} ; QLogic: QLA2202F-EMC ^{4, 5, 10} , QLA2300F-E-SP ^{4, 6, 8}	FC-AL, FC-SW	N
37	xSeries X335	PCI	Novell Netware 6.5 ^{1, 26}	IBM: 19K1246(QLA2310) ^{4, 15, 16, 17, 18, 19, 20} , 24P0960(QLA2340) ^{4, 10, 15, 18, 19, 20, 21} ; QLogic: QLA2310F-E-SP ^{4, 6, 8, 9, 27} , QLA2340-E-SP ^{6, 9, 27} , QLA2342-E-SP ^{6, 9, 27}	FC-AL, FC-SW	N
38	Netfinity 7000 M10 ^{7, 24}	PCI	Novell Netware 6.5 ^{1, 26}	QLogic: QLA2200F-EMC ^{4, 5, 6, 10} , QLA2310F-E-SP ^{4, 6, 8, 9, 27} , QLA2340-E-SP ^{6, 9, 27} , QLA2342-E-SP ^{6, 9, 27}	FC-AL, FC-SW	N
39	xSeries x345	PCI	Novell Netware 6.5 ^{1, 26}	QLogic: QLA2200F-EMC ^{5, 6} , QLA2202F-EMC ^{4, 5, 10} , QLA2300F-E-SP ^{4, 6, 8} , QLA2310F-E-SP ^{4, 6, 8, 9, 27} , QLA2340-E-SP ^{6, 9, 27} , QLA2342-E-SP ^{6, 9, 27}	FC-AL, FC-SW	N
40	Netfinity 8500	PCI	Novell Netware: 5.10 SP2A ³ , 6.0 SP1 ^{1, 2, 3, 14} , 6.0 SP2 ^{1, 3, 14} , 6.0 SP3 ¹	QLogic QLA2340-E-SP ^{6, 8, 9}	FC-AL, FC-SW	Y
41	xSeries x232	PCI	Novell Netware: 5.10 SP2A ³ , 6.0 SP1 ^{1, 3} , 6.0 SP2 ^{1, 3} , 6.0 SP3 ¹	QLogic: QLA2310F-E-SP ^{4, 6, 8, 9} , QLA2340-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
42	xSeries x360	PCI-X	Novell Netware 5.00 SP6A ^{1, 3, 25}	QLogic: QLA2200F-EMC ^{4, 5} , QLA2310F-E-SP ^{4, 8, 9} , QLA2340-E-SP ^{4, 8, 9} , QLA2342-E-SP ^{4, 8, 9}	FC-AL, FC-SW	Y
43	xSeries x440	PCI-X	Novell Netware 5.00 SP6A ^{1, 3, 25}	QLogic: QLA2200F-EMC ⁵ , QLA2310F-E-SP ^{4, 8, 9} , QLA2340-E-SP ^{4, 8, 9} , QLA2342-E-SP ^{4, 8, 9}	FC-AL, FC-SW	Y
44	xSeries x440	PCI-X	Novell Netware 5.10 SP2A ^{1, 3, 25}	IBM: 19K1246(QLA2310) ^{4, 8, 16, 17, 19} , 24P0960(QLA2340) ^{4, 8, 10, 21}	FC-AL, FC-SW	Y
45	xSeries x440	PCI-X	Novell Netware 5.10 SP2A ³	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-AL, FC-SW	Y

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
46	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ^{1, 3, 25} , SP5 ^{1, 3, 25} , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	IBM 00N6881 (QLA2200) ^{4, 10, 22}	FC-AL, FC-SW	Y
47	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ^{1, 3, 25} , SP5 ^{1, 3, 25} , SP6; Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	IBM 00N6881 (QLA2200) ²²	FC-AL, FC-SW	Y
48	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ^{1, 3, 25} , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	IBM: 19K1246(QLA2310) ¹⁶ , 24P0960(QLA2340) ²¹	FC-AL, FC-SW	Y
49	xSeries x360	PCI-X	Novell Netware 5.10: SP2A ³ , SP5 ^{3, 23} , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3, 14} , SP2 ^{1, 3} , SP3 ¹	QLogic: QLA2340-E-SP ^{4, 6, 8, 9} , QLA2342-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
50	xSeries x360	PCI-X	Novell Netware 5.10: SP2A ³ , SP5 ^{3, 23} , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic QLA2310F-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
51	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ³ , SP5 ^{3, 23} , SP6; Novell Netware 6.0: SP1 ^{1, 3} , SP1 ^{1, 3, 14} , SP2 ^{1, 3} , SP3 ¹	QLogic QLA2342-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
52	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ³ , SP5 ^{3, 23} , SP6; Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic: QLA2310F-E-SP ^{4, 6, 8, 9} , QLA2340-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
53	xSeries x360	PCI-X	Novell Netware 5.10: SP2A ³ , SP5 ³ , SP6	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-AL, FC-SW	Y
54	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ³ , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13}	FC-AL, FC-SW	Y
55	xSeries x360	PCI-X	Novell Netware 5.10: SP2A ³ , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13} , IBM 00N6881 (QLA2200) ^{4, 10, 15, 18, 19, 20, 22} , QLogic QLA2300F-E-SP ^{4, 6, 8}	FC-AL, FC-SW	Y
56	xSeries x360	PCI-X	Novell Netware 5.10: SP2A ³ , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	IBM: 00N6881 (QLA2200) ^{4, 10, 22} , 19K1246(QLA2310) ^{4, 16, 17, 19} , 24P0960(QLA2340) ^{4, 10, 21} , QLogic QLA2202F-EMC ^{4, 5, 10}	FC-AL, FC-SW	Y
57	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ³ , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic: QLA2202F-EMC ^{4, 5, 10} , QLA2300F-E-SP ^{4, 6, 8}	FC-AL, FC-SW	Y
58	xSeries x360	PCI-X	Novell Netware 5.10: SP5 ³ , SP6	IBM: 19K1246(QLA2310) ^{4, 8, 15, 16, 17, 18, 19, 20} , 24P0960(QLA2340) ^{4, 8, 10, 15, 18, 19, 20, 21}	FC-AL, FC-SW	Y
59	xSeries x440	PCI-X	Novell Netware 5.10: SP5 ³ , SP6	IBM: 19K1246(QLA2310) ^{8, 16} , 24P0960(QLA2340) ^{8, 21} , QLogic QLA2200F-EMC ^{5, 6}	FC-AL, FC-SW	Y
60	xSeries x235	PCI-X	Novell Netware 5.10: SP5 ³ , SP6	QLogic: QLA2200F-EMC ^{5, 6} , QLA2310F-E-SP ^{4, 6, 8, 9} , QLA2340-E-SP ^{4, 6, 8, 9} , QLA2342-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
61	xSeries x440	PCI-X	Novell Netware 6.0 SP1 ^{1, 3, 14}	QLogic QLA2340-E-SP ^{6, 8, 9}	FC-AL, FC-SW	Y
62	xSeries x440	PCI-X	Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	IBM: 19K1246(QLA2310) ^{4, 16, 17, 19} , 24P0960(QLA2340) ^{4, 10, 21}	FC-AL, FC-SW	Y
63	xSeries x360	PCI-X	Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic QLA2200F-EMC ^{4, 5, 6, 10}	FC-AL, FC-SW	Y
64	xSeries x440	PCI-X	Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic QLA2200F-EMC ^{4, 5, 6, 10}	FC-AL, FC-SW	Y
65	xSeries x440	PCI-X	Novell Netware 6.5 ^{1, 26}	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13} , IBM 00N6881: (QLA2200) ²² , (QLA2200) ^{4, 10, 22} , IBM: 19K1246(QLA2310) ¹⁶ , 19K1246(QLA2310) ^{4, 16, 17, 19} , 24P0960(QLA2340) ²¹ , 24P0960(QLA2340) ^{4, 10, 21} , QLogic: QLA2200F-EMC ^{4, 5, 6, 10} , QLA2202F-EMC ^{4, 5, 10} , QLA2300F-E-SP ^{4, 6, 8} , QLA2310F-E-SP ^{4, 6, 8, 9, 27} , QLA2340-E-SP ^{6, 9, 27} , QLA2342-E-SP ^{6, 9, 27}	FC-AL, FC-SW	N
66	xSeries x360	PCI-X	Novell Netware 6.5 ^{1, 26}	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13} , IBM 00N6881: (QLA2200) ^{4, 10, 15, 18, 19, 20, 22} , (QLA2200) ^{4, 10, 22} , IBM: 19K1246(QLA2310) ^{4, 15, 16, 17, 18, 19, 20} , 19K1246(QLA2310) ^{4, 16, 17, 19} , 24P0960(QLA2340) ^{4, 10, 15, 18, 19, 20, 21} , 24P0960(QLA2340) ^{4, 10, 21} , QLogic: QLA2200F-EMC ^{4, 5, 6, 10} , QLA2202F-EMC ^{4, 5, 10} , QLA2300F-E-SP ^{4, 6, 8} , QLA2310F-E-SP ^{4, 6, 8, 9, 27} , QLA2340-E-SP ^{6, 9, 27} , QLA2342-E-SP ^{6, 9, 27}	FC-AL, FC-SW	N
67	xSeries x360	PCI-X	Novell Netware: 5.10 SP2A ³ , 6.0 SP1 ^{1, 2, 3} , 6.0 SP2 ^{1, 3} , 6.0 SP3 ¹	IBM: 19K1246(QLA2310) ^{4, 15, 16, 17, 18, 19, 20} , 24P0960(QLA2340) ^{4, 10, 15, 18, 19, 20, 21}	FC-AL, FC-SW	Y
68	xSeries x445	PCI, PCI-X	Novell Netware 5.00 SP6A ^{1, 3, 25}	QLogic: QLA2200F-EMC ⁵ , QLA2310F-E-SP ^{4, 8, 9} , QLA2340-E-SP ^{4, 8, 9} , QLA2342-E-SP ^{4, 8, 9}	FC-AL, FC-SW	Y
69	xSeries x445	PCI, PCI-X	Novell Netware 5.10 SP2A ^{1, 3, 25}	IBM: 19K1246(QLA2310) ^{4, 8, 16, 17, 19} , 24P0960(QLA2340) ^{4, 8, 10, 21}	FC-AL, FC-SW	Y

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
70	xSeries x445	PCI, PCI-X	Novell Netware 5.10 SP2A ³	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-AL, FC-SW	Y
71	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP2A ^{1, 3, 25} , SP5 ^{1, 3, 25} , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	IBM 00N6881 (QLA2200) ^{4, 10, 22}	FC-AL, FC-SW	Y
72	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP2A ³ , SP5 ^{3, 23} , SP6; Novell Netware 6.0: SP1 ^{1, 3, 14} , SP2 ^{1, 3} , SP3 ¹	QLogic: QLA2340-E-SP ^{4, 6, 8, 9} , QLA2342-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
73	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP2A ³ , SP5 ^{3, 23} , SP6; Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic QLA2310F-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
74	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP2A ³ , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13}	FC-AL, FC-SW	Y
75	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP2A ³ , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic: QLA2202F-EMC ^{4, 5, 10} , QLA2300F-E-SP ^{4, 6, 8}	FC-AL, FC-SW	Y
76	xSeries x345	PCI, PCI-X	Novell Netware 5.10: SP5 ^{3, 23} , SP6	QLogic QLA2340-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
77	xSeries x345	PCI, PCI-X	Novell Netware 5.10: SP5 ^{3, 23} , SP6; Novell Netware 6.0: SP1 ^{1, 3, 14} , SP2 ^{1, 3} , SP3 ¹	QLogic QLA2342-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
78	xSeries x345	PCI, PCI-X	Novell Netware 5.10: SP5 ^{3, 23} , SP6; Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic QLA2310F-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	Y
79	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP5 ³ , SP6	IBM: 19K1246(QLA2310) ^{8, 16} , 24P0960(QLA2340) ^{8, 21} ; QLogic QLA2200F-EMC ^{5, 6}	FC-AL, FC-SW	Y
80	xSeries x345	PCI, PCI-X	Novell Netware 5.10: SP5 ³ , SP6	QLogic QLA2200F-EMC ^{5, 6}	FC-AL, FC-SW	Y
81	xSeries x445	PCI, PCI-X	Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	IBM: 19K1246(QLA2310) ^{4, 16, 17, 19} , 24P0960(QLA2340) ^{4, 10, 21}	FC-AL, FC-SW	Y
82	xSeries x345	PCI, PCI-X	Novell Netware 6.0: SP1 ^{1, 3, 14} , SP2 ^{1, 3} , SP3 ¹	QLogic QLA2340-E-SP ^{6, 8, 9}	FC-AL, FC-SW	Y
83	xSeries x445	PCI, PCI-X	Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic QLA2200F-EMC ^{4, 5, 6, 10}	FC-AL, FC-SW	Y
84	xSeries x445	PCI, PCI-X	Novell Netware 6.5 ^{1, 26}	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13} ; IBM: 00N6881 (QLA2200) ^{4, 10, 22} , 19K1246(QLA2310) ¹⁶ , 19K1246(QLA2310) ^{4, 16, 17, 19} , 24P0960(QLA2340) ^{4, 10, 21} ; QLogic: QLA2200F-EMC ^{4, 5, 6, 10} , QLA2202F-EMC ^{4, 5, 10} , QLA2300F-E-SP ^{4, 6, 8} , QLA2310F-E-SP ^{4, 6, 8, 9, 27} , QLA2340-E-SP ^{6, 9, 27} , QLA2342-E-SP ^{6, 9, 27}	FC-AL, FC-SW	N
85	xSeries x345	PCI, PCI-X	Novell Netware 6.5 ^{1, 26}	QLogic: QLA2310F-E-SP ^{4, 6, 8, 9, 27} , QLA2340-E-SP ^{6, 9, 27} , QLA2342-E-SP ^{6, 9, 27}	FC-AL, FC-SW	N
86	xSeries x445	PCI, PCI-X	Novell Netware: 5.10 SP2A ³ , 6.0 SP1 ^{1, 3} , 6.0 SP2 ^{1, 3} , 6.0 SP3 ¹	IBM 19K1246(QLA2310) ¹⁶	FC-AL, FC-SW	Y
87	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁷ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.00 SP6A ^{1, 3, 25}	QLogic QLA2200F-EMC ^{4, 5}	FC-SW	Y
88	xSeries: x255, x345	PCI	Novell Netware 5.10: SP2A ³ , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13}	FC-SW	Y
89	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁷ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP2A ³ , SP5 ³ , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 3} , SP3 ¹	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-SW	Y
90	xSeries: x255, x345	PCI	Novell Netware 6.5 ^{1, 26}	Emulex LP9002-E (LP9002L-E) ^{11, 12, 13}	FC-SW	N
91	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁷ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 6.5 ^{1, 26}	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-SW	N
92	xSeries x440	PCI-X	Novell Netware 6.5 ^{1, 26}	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-SW	N
93	xSeries x440	PCI-X	Novell Netware: 5.10 SP2A ³ , 6.0 SP1 ^{1, 2, 3} , 6.0 SP2 ^{1, 3} , 6.0 SP3 ¹	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-SW	Y
94	xSeries x445	PCI, PCI-X	Novell Netware 6.5 ^{1, 26}	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-SW	N
95	xSeries x445	PCI, PCI-X	Novell Netware: 5.10 SP2A ³ , 6.0 SP1 ^{1, 2, 3} , 6.0 SP2 ^{1, 3} , 6.0 SP3 ¹	QLogic QLA2200F-EMC ^{4, 5, 6}	FC-SW	Y

1. NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.

2. PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.

3. Maximum number of NWFS volumes that can be mounted is 64.

4. Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with

- the install. When install is complete, down the server and copy nwnpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
5. Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.
 6. Driver Version 6.51a.
 7. This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
 8. **Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
 9. Driver Version v6.51a.
 10. **Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.**
 11. PowerPath not currently supported.
 12. Requires BIOS version 2.02e.
 13. Driver Version 3.90a7.
 14. HPQ Proliant servers with ATF and Powerpath requires use of SCSiHD in place of CPQSHD.
 15. Host must be offline for interfamily Symmetrix microcode upgrade.
 16. This HBA is equivalent to the qLogic QLA2310.
 17. **Requires BIOS 1.34 available from QLogic at <http://www.qlogic.com>.**
 18. **BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
 19. Driver Version 6.50v.
 20. Driver Version 6.v. Supports persistent binding and only supports Class 3.
 21. This HBA is equivalent to the qLogic QLA2340.
 22. (QLA2200) For IBM xSeries and Netfinity servers only.
 23. Requires NetWare patches: NWPAPT2A and NSS5J.
 24. This server only supports 5 Volt HBAs: qLogic 22XX family, qLogic 23XX family, Emulex LP8000, and Emulex LP850
 25. Requires NWPA.NLM V.3.07A update from Novell website.
 26. **QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
 27. Firmware Version 1.34.

Red Hat Linux Dell

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge 1650	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 7, 8}	QLogic: QLA2310F-E-SP ^{3, 4, 6, 9} , QLA2340-E-SP ^{3, 4, 6, 9}	FC-AL, FC-SW	N	
2	PowerEdge: 2550 ⁵ , 4300	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 4}	FC-AL, FC-SW	N	
3	PowerEdge: 2300, 2400, 2450, 2500, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{1, 2}	QLogic: QLA2200F-EMC ^{3, 4} , QLA2310F-E-SP, QLA2340-E-SP	FC-AL, FC-SW	N	
4	PowerEdge 4300	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 8} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 7, 8} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
5	PowerEdge: 2300, 2400, 2450, 2500, 2550 ⁵ , 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 8} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 7, 8} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic: QLA2200F-EMC ^{3, 4, 6, 9} , QLA2310F-E-SP ^{3, 4, 6, 9} , QLA2340-E-SP ^{3, 4, 6, 9}	FC-AL, FC-SW	N	
6	PowerEdge: 2300, 2400, 2450, 2500, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 8} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 7, 8} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
7	PowerEdge 2550 ⁵	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.10 ^{1, 2, 8} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 7, 8} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
8	PowerEdge 1650	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 7, 8} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
9	PowerEdge: 1650, 2550 ⁵	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP	FC-AL, FC-SW	N	
10	PowerEdge 1550	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	FC-AL, FC-SW	N	
11	PowerEdge: 1550 ¹⁰ , 1650 ¹⁰ , 2300 ¹⁰ , 2400, 2450 ¹⁰ , 2500 ¹⁰ , 2550 ^{5, 10} , 4400 ¹⁰ , 6100 ¹⁰ , 6300 ¹⁰ , 6350 ¹⁰ , 6400 ¹⁰ , 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 11} , v2.4.9-e.25 ^{2, 11} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 11} , v2.4.9-e.25 ^{2, 11} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{9, 12, 13, 14, 15, 16}	FC-AL, FC-SW	N	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
12	PowerEdge: 1550 ¹⁰ , 2300 ¹⁰ , 2400, 2450 ¹⁰ , 2500 ¹⁰ , 2550 ^{5,10} , 4400 ¹⁰ , 6100 ¹⁰ , 6300 ¹⁰ , 6350 ¹⁰ , 6400 ¹⁰ , 6450 ¹⁰ , 8450 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,11} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8²	Emulex LP9802DC–E ^{3, 14, 26, 27, 28, 29, 30}	FC–AL, FC–SW	Y	
13	PowerEdge 1650 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,11} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8²	Emulex LP9802DC–E ^{3, 14, 27, 28, 29, 30}	FC–AL, FC–SW	Y	
14	PowerEdge 1650 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,11} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8²	Emulex LP982–E ^{3, 13, 14, 26, 28, 29, 30, 40, 41}	FC–AL, FC–SW	N	
15	PowerEdge: 1550 ¹⁰ , 2300 ¹⁰ , 2400, 2450 ¹⁰ , 2500 ¹⁰ , 2550 ^{5,10} , 4400 ¹⁰ , 6100 ¹⁰ , 6300 ¹⁰ , 6350 ¹⁰ , 6400 ¹⁰ , 6450 ¹⁰ , 8450 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP982–E ^{3, 13, 14, 26, 28, 29, 30, 40, 41}	FC–AL, FC–SW	Y ^{19, 20, 21, 22, 23, 24, 25}	
16	PowerEdge: 1550 ¹⁰ , 2300 ¹⁰ , 2400, 2450 ¹⁰ , 2500 ¹⁰ , 2550 ^{5,10} , 4400 ¹⁰ , 6100 ¹⁰ , 6300 ¹⁰ , 6350 ¹⁰ , 6400 ¹⁰ , 6450 ¹⁰ , 8450 ¹⁰	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27	Emulex: LP10000–E ^{3, 13, 27, 29, 30, 32, 36, 37} , LP10000DC–E ^{3, 13, 27, 29, 30, 32, 36, 37} , LP1050–E ^{3, 13, 14, 26, 27, 28, 29, 30, 42} , LP1050DC–E ^{3, 13, 14, 26, 27, 28, 29, 30, 42}	FC–AL, FC–SW	Y ^{19, 20, 21, 22, 23, 24, 25}	
17	PowerEdge: 1550, 1650 ¹⁰ , 2300, 2450, 2500, 2550 ⁵ , 4400, 6100, 6300, 6350, 6400, 6450, 8450; PowerVault: 750N, 755N, 775N	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8²	Emulex: LP10000–E ^{3, 13, 27, 29, 30, 32, 36, 37} , LP10000DC–E ^{3, 13, 27, 29, 30, 32, 36, 37} , LP1050–E ^{3, 13, 14, 26, 27, 28, 29, 30, 42} , LP1050DC–E ^{3, 13, 14, 26, 27, 28, 29, 30, 42}	FC–AL, FC–SW	N	See ³⁵
18	PowerEdge: 2400, 4300	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8²	Emulex: LP10000–E ^{3, 13, 27, 29, 30, 32, 36, 37} , LP10000DC–E ^{3, 13, 27, 29, 30, 32, 36, 37} , LP1050–E ^{3, 13, 14, 26, 27, 28, 29, 30, 42} , LP1050DC–E ^{3, 13, 14, 26, 27, 28, 29, 30, 42}	FC–AL, FC–SW	N	
19	PowerEdge: 2300, 2400, 2450, 2500, 2550 ⁵ , 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{38, 39} , QLogic QLA2342–E–SP ^{3, 4, 13}	FC–AL, FC–SW	N	
20	PowerEdge: 2300, 2400, 2450, 2500, 2550 ⁵ , 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC–AL, FC–SW	Y	
21	PowerEdge: 1550 ¹⁰ , 2300 ¹⁰ , 2400, 2450 ¹⁰ , 2500 ¹⁰ , 2550 ^{5,10} , 4400 ¹⁰ , 6100 ¹⁰ , 6300 ¹⁰ , 6350 ¹⁰ , 6400 ¹⁰ , 6450 ¹⁰ , 8450 ¹⁰	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{3, 13, 27, 29, 30, 32, 36, 37} , LP10000DC–E ^{3, 13, 27, 29, 30, 32, 36, 37} , LP1050–E ^{3, 13, 14, 26, 27, 28, 29, 30, 42} , LP1050DC–E ^{3, 13, 14, 26, 27, 28, 29, 30, 42}	FC–AL, FC–SW	Y ^{20, 21, 22, 23, 24, 25}	
22	PowerEdge: 1550 ¹⁰ , 2300 ¹⁰ , 2400, 2450 ¹⁰ , 2500 ¹⁰ , 2550 ^{5,10} , 4400 ¹⁰ , 6100 ¹⁰ , 6300 ¹⁰ , 6350 ¹⁰ , 6400 ¹⁰ , 6450 ¹⁰ , 8450 ¹⁰	PCI	Red Hat Linux: 2.1 Advanced Server v2.4.9–e.24 ^{2,11} , 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{3, 13, 14, 26, 28, 29, 30, 40, 41}	FC–AL, FC–SW	Y ^{20, 21, 22, 23, 24, 25}	
23	PowerEdge 1750	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 7, 8}	QLogic: QLA2310F–E–SP ^{3, 4, 6, 9} , QLA2340–E–SP ^{3, 4, 6, 9}	FC–AL, FC–SW	N	
24	PowerEdge 6650	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F–EMC ^{3, 4}	FC–AL, FC–SW	N	
25	PowerEdge: 2600, 2600 ¹⁰ , 2650, 4600, 6600	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2}	QLogic: QLA2200F–EMC ^{3, 4} , QLA2310F–E–SP, QLA2340–E–SP	FC–AL, FC–SW	N	
26	PowerEdge: 2600, 2600 ¹⁰ , 2650, 4600, 6600, 6650	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 8} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 7, 8} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{3, 4, 6, 9} , QLA2310F–E–SP ^{3, 4, 6, 9} , QLA2340–E–SP ^{3, 4, 6, 9}	FC–AL, FC–SW	N	
27	PowerEdge: 2600, 2600 ¹⁰ , 4600, 6600	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 8} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 7, 8} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
28	PowerEdge 2650	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 8} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 7, 8} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
29	PowerEdge 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.10 ^{1,2,8} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,7,8} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
30	PowerEdge 1750	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,7,8} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
31	PowerEdge: 1750, 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2}	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP	FC-AL, FC-SW	N	
32	PowerEdge: 2600 ¹⁰ , 2650, 6600 ¹⁰ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,11} , v2.4.9-e.25 ^{2,11} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,11} , v2.4.9-e.25 ^{2,11} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 12, 15, 16}	FC-AL, FC-SW	Y ^{17, 18,} 19, 20, 21, 22, 23, 24, 25	
33	PowerEdge: 1750, 2600, 2600 ¹⁰ , 2650, 4600, 6600 ¹⁰ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,11} , v2.4.9-e.25 ^{2,11} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,11} , v2.4.9-e.25 ^{2,11} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{9, 12, 13, 14, 15, 16}	FC-AL, FC-SW	N	
34	PowerEdge: 2600 ¹⁰ , 2650, 6600 ¹⁰ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,11} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{3, 14, 26, 27, 28, 29, 30}	FC-AL, FC-SW	Y	
35	PowerEdge: 1750, 4600 ¹⁰	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,11} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{3, 14, 27, 28, 29, 30}	FC-AL, FC-SW	Y	
36	PowerEdge: 1750, 4600 ¹⁰	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,11} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{3, 13, 14, 26, 28, 29, 30, 40, 41}	FC-AL, FC-SW	N	
37	PowerEdge: 2600 ¹⁰ , 2650, 6600 ¹⁰ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP982-E ^{3, 13, 14, 26, 28, 29, 30, 40, 41}	FC-AL, FC-SW	Y ^{19, 20,} 21, 22, 23, 24, 25	
38	PowerEdge 2650 ¹⁰	PCI-X	Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
39	PowerEdge: 2600 ¹⁰ , 2650, 6600 ¹⁰ , 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex: LP10000-E ^{3, 13, 27, 29, 30, 32, 36, 37} , LP10000DC-E ^{3, 13, 27, 29, 30, 32, 36, 37} , LP1050-E ^{3, 13, 14, 26, 27, 28, 29, 30, 42} , LP1050DC-E ^{3, 13, 14, 26, 27, 28, 29, 30, 42}	FC-AL, FC-SW	Y ^{19, 20,} 21, 22, 23, 24, 25	
40	PowerEdge: 1750, 2600, 2650, 4600 ¹⁰ , 6600, 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{3, 13, 27, 29, 30, 32, 36, 37} , LP10000DC-E ^{3, 13, 27, 29, 30, 32, 36, 37} , LP1050-E ^{3, 13, 14, 26, 27, 28, 29, 30, 42} , LP1050DC-E ^{3, 13, 14, 26, 27, 28, 29, 30, 42}	FC-AL, FC-SW	N	See ³⁵
41	PowerEdge: 2600, 2600 ¹⁰ , 2650, 4600, 6600, 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{38, 39} , QLogic QLA2342-E-SP ^{3, 4, 13}	FC-AL, FC-SW	N	
42	PowerEdge: 2600, 2600 ¹⁰ , 2650, 4600, 6600, 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	FC-AL, FC-SW	Y	
43	PowerEdge: 2600 ¹⁰ , 2650, 6600 ¹⁰ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{3, 13, 27, 29, 30, 32, 36, 37} , LP10000DC-E ^{3, 13, 27, 29, 30, 32, 36, 37} , LP1050-E ^{3, 13, 14, 26, 27, 28, 29, 30, 42} , LP1050DC-E ^{3, 13, 14, 26, 27, 28, 29, 30, 42}	FC-AL, FC-SW	Y ^{20, 21,} 22, 23, 24, 25	
44	PowerEdge: 2600 ¹⁰ , 2650, 6600 ¹⁰ , 6650	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-e.24 ^{2,11} , 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{3, 13, 14, 26, 28, 29, 30, 40, 41}	FC-AL, FC-SW	Y ^{20, 21,} 22, 23, 24, 25	
45	PowerEdge: 1550 ¹⁰ , 1650 ¹⁰ , 2300 ¹⁰ , 2450 ¹⁰ , 2500 ¹⁰ , 2550 ^{5,10} , 4400 ¹⁰ , 6100 ¹⁰ , 6300 ¹⁰ , 6350 ¹⁰ , 6400 ¹⁰ , 6450 ¹⁰ , 8450 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-e.24 ²	Emulex LP9802-E ^{14, 26, 27, 28, 29, 30}	FC-AL, FC-SW ¹³	Y	
46	PowerEdge 2400	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{14, 26, 27, 28, 29, 30}	FC-AL, FC-SW ¹³	Y	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
47	PowerEdge: 1750, 4600 ¹⁰	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–e.24 ²	Emulex LP9802–E ^{14, 26, 27, 28, 29, 30}	FC-AL, FC-SW ¹³	Y	
48	PowerEdge: 2600 ¹⁰ , 2650, 6600 ¹⁰ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{14, 26, 27, 28, 29, 30}	FC-AL, FC-SW ¹³	Y	
49	PowerEdge: 1550 ¹⁰ , 2300 ¹⁰ , 2400, 2450 ¹⁰ , 2500 ¹⁰ , 2550 ^{5, 10} , 4400 ¹⁰ , 6100 ¹⁰ , 6300 ¹⁰ , 6350 ¹⁰ , 6400 ¹⁰ , 6450 ¹⁰ , 8450 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–e.24 ^{2, 11}	Emulex LP9002DC–E ^{3, 13, 14, 26, 27, 28, 29, 33, 34}	FC-AL, FC-SW ^{13, 32}	Y ^{20, 21, 22, 23, 24, 25}	
50	PowerEdge 1650 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 11} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{3, 13, 14, 26, 27, 28, 29, 33, 34}	FC-AL, FC-SW ^{13, 32}	N	
51	PowerEdge: 1550 ¹⁰ , 2300 ¹⁰ , 2400, 2450 ¹⁰ , 2500 ¹⁰ , 2550 ^{5, 10} , 4400 ¹⁰ , 6100 ¹⁰ , 6300 ¹⁰ , 6350 ¹⁰ , 6400 ¹⁰ , 6450 ¹⁰ , 8450 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ^{3, 13, 14, 26, 27, 28, 29, 33, 34}	FC-AL, FC-SW ^{13, 32}	Y ^{19, 20, 21, 22, 23, 24, 25}	
52	PowerEdge: 1550 ¹⁰ , 1650 ¹⁰ , 2300 ¹⁰ , 2450 ¹⁰ , 2500 ¹⁰ , 2550 ^{5, 10} , 4400 ¹⁰ , 6100 ¹⁰ , 6300 ¹⁰ , 6350 ¹⁰ , 6400 ¹⁰ , 6450 ¹⁰ , 8450 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{14, 26, 27, 28, 29, 30}	FC-AL, FC-SW ^{13, 32}	Y	
53	PowerEdge: 1550 ¹⁰ , 2300 ¹⁰ , 2400, 2450 ¹⁰ , 2500 ¹⁰ , 2550 ^{5, 10} , 4400 ¹⁰ , 6100 ¹⁰ , 6300 ¹⁰ , 6350 ¹⁰ , 6400 ¹⁰ , 6450 ¹⁰ , 8450 ¹⁰	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{3, 13, 14, 26, 27, 28, 29, 33, 34}	FC-AL, FC-SW ^{13, 32}	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 43}	
54	PowerEdge: 2600 ¹⁰ , 2650, 6600 ¹⁰ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–e.24 ^{2, 11}	Emulex LP9002DC–E ^{3, 13, 14, 26, 27, 28, 29, 33, 34}	FC-AL, FC-SW ^{13, 32}	Y ^{20, 21, 22, 23, 24, 25}	
55	PowerEdge: 1750, 4600 ¹⁰	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 11} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{3, 13, 14, 26, 27, 28, 29, 33, 34}	FC-AL, FC-SW ^{13, 32}	N	
56	PowerEdge: 2600 ¹⁰ , 2650, 6600 ¹⁰ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ^{3, 13, 14, 26, 27, 28, 29, 33, 34}	FC-AL, FC-SW ^{13, 32}	Y ^{19, 20, 21, 22, 23, 24, 25}	
57	PowerEdge: 1750, 2600 ¹⁰ , 4600 ¹⁰	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{14, 26, 27, 28, 29, 30}	FC-AL, FC-SW ^{13, 32}	Y	
58	PowerEdge: 2600 ¹⁰ , 2650, 6600 ¹⁰ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{3, 13, 14, 26, 27, 28, 29, 33, 34}	FC-AL, FC-SW ^{13, 32}	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 43}	
59	PowerEdge 1650 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 11} , v2.4.9–e.25 ^{2, 11} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 11} , v2.4.9–e.25 ^{2, 11} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{3, 12, 15, 16}	FC-AL, FC-SW ¹⁴	N	
60	PowerEdge: 1550 ¹⁰ , 2300 ¹⁰ , 2400, 2450 ¹⁰ , 2500 ¹⁰ , 2550 ^{5, 10} , 4400 ¹⁰ , 6100 ¹⁰ , 6300 ¹⁰ , 6350 ¹⁰ , 6400 ¹⁰ , 6450 ¹⁰ , 8450 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 11} , v2.4.9–e.25 ^{2, 11} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 11} , v2.4.9–e.25 ^{2, 11} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{3, 12, 15, 16}	FC-AL, FC-SW ¹⁴	Y ^{17, 18, 19, 20, 21, 22, 23, 24, 25}	
61	PowerEdge 2600 ¹⁰	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 11} , v2.4.9–e.25 ^{2, 11} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 11} , v2.4.9–e.25 ^{2, 11} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{3, 12, 15, 16}	FC-AL, FC-SW ¹⁴	Y ^{17, 18, 19, 20, 21, 22, 23, 24, 25}	
62	PowerEdge: 1750, 4600 ¹⁰	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 11} , v2.4.9–e.25 ^{2, 11} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 11} , v2.4.9–e.25 ^{2, 11} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{3, 12, 15, 16}	FC-AL, FC-SW ¹⁴	N	
63	PowerEdge: 1550 ¹⁰ , 2300 ¹⁰ , 2400, 2450 ¹⁰ , 2500 ¹⁰ , 2550 ^{5, 10} , 4400 ¹⁰ , 6100 ¹⁰ , 6300 ¹⁰ , 6350 ¹⁰ , 6400 ¹⁰ , 6450 ¹⁰ , 8450 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–e.24 ^{2, 11}	Emulex LP9002–E (LP9002L–E) ^{3, 14, 26, 27, 28, 29, 30, 31}	FC-AL, FC-SW ^{13, 32}	Y ^{20, 21, 22, 23, 24, 25}	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
64	PowerEdge 1650 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 11} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8²	Emulex LP9002-E (LP9002L-E) ^{3, 14, 27, 28, 29, 30, 31}	FC-AL, FC-SW ³²	N	
65	PowerEdge: 1550 ¹⁰ , 2300 ¹⁰ , 2400, 2450 ¹⁰ , 2500 ¹⁰ , 2550 ^{5, 10} , 4400 ¹⁰ , 6100 ¹⁰ , 6300 ¹⁰ , 6350 ¹⁰ , 6400 ¹⁰ , 6450 ¹⁰ , 8450 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002-E (LP9002L-E) ^{3, 14, 26, 27, 28, 29, 30, 31}	FC-AL, FC-SW ³²	Y ^{19, 20, 21, 22, 23, 24, 25}	
66	PowerEdge: 1550 ¹⁰ , 2300 ¹⁰ , 2400, 2450 ¹⁰ , 2500 ¹⁰ , 2550 ^{5, 10} , 4400 ¹⁰ , 6100 ¹⁰ , 6300 ¹⁰ , 6350 ¹⁰ , 6400 ¹⁰ , 6450 ¹⁰ , 8450 ¹⁰	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8²	Emulex LP9002-E (LP9002L-E) ^{3, 14, 26, 27, 28, 29, 30, 31}	FC-AL, FC-SW ³²	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 43}	
67	PowerEdge: 2600 ¹⁰ , 2650, 6600 ¹⁰ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–e.24 ^{2, 11}	Emulex LP9002-E (LP9002L-E) ^{3, 14, 26, 27, 28, 29, 30, 31}	FC-AL, FC-SW ³²	Y ^{20, 21, 22, 23, 24, 25}	
68	PowerEdge: 1750, 4600 ¹⁰	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 11} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8²	Emulex LP9002-E (LP9002L-E) ^{3, 14, 27, 28, 29, 30, 31}	FC-AL, FC-SW ³²	N	
69	PowerEdge: 2600 ¹⁰ , 2650, 6600 ¹⁰ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002-E (LP9002L-E) ^{3, 14, 26, 27, 28, 29, 30, 31}	FC-AL, FC-SW ³²	Y ^{19, 20, 21, 22, 23, 24, 25}	
70	PowerEdge: 2600 ¹⁰ , 2650, 6600 ¹⁰ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8²	Emulex LP9002-E (LP9002L-E) ^{3, 14, 26, 27, 28, 29, 30, 31}	FC-AL, FC-SW ³²	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 43}	

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- Driver Version v6.x series. Supports persistent binding and only supports Class 3.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- The kernel version listed is included in the corresponding standard distributed release.
- Supported with QLogic driver v6.05.00.
- Driver Version v6.05.00.
- An RPM from Dell may be used to install the QLogic v6.05.00 driver and may be obtained from the QLogic website at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- Driver Version v6.04.01.
- Single HBA zoning is required regardless of the switch being utilized.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Requires QLogic driver 4.47.18 driver disk, dd.img-i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Only one HBA is qualified for use in the Linux host when booting from the CLARiON via fabric.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Driver Version 1.23a.
- FCode value 1.63a2.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
- Firmware Version 3.90a7.
- FCode value 1.63a.
- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
- Firmware Version 1.80a2.
- Driver Version v1.22e.
- Firmware Version v3.90a7.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- Firmware Version 1.02a0.
- Firmware Version 1.80a3.
- Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.**

Fujitsu Siemens

Fujitsu Siemens – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450, RX100, T850	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{3, 9}	QLogic QLA2200F-EMC ^{4, 7}	FC-AL, FC-SW	N	
2	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450, RX100, T850	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 3, 9} , v2.4.9–E.12 ^{3, 9} , v2.4.9–E.16 ^{3, 9} , v2.4.9–E.31 ^{2, 3, 9} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{3, 9} , v2.4.9–e.16 ^{3, 9}	QLogic QLA2200F-EMC ^{4, 5, 6, 7}	FC-AL, FC-SW	N	
3	Primergy: F250 ⁸ , H250 ⁸ , H450, N800, RX200, RX300, TX200, TX300	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{3, 9}	QLogic QLA2200F-EMC ^{4, 7}	FC-AL, FC-SW	N	

Fujitsu Siemens – Red Hat Linux						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
4	Primergy: F250 ⁸ , H250 ⁸ , H450, N800, RX200, RX300, TX200, TX300	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,3} , v2.4.9-E.12 ^{3,9} , v2.4.9-E.16 ^{3,9} , v2.4.9-E.31 ^{2,3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3,9} , v2.4.9-e.16 ^{3,9}	QLogic QLA2200F-EMC ^{4,5,6,7}	FC-AL, FC-SW	N
5	Primergy: RX600, RX800, TX600	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{3,9}	QLogic QLA2200F-EMC ^{4,7}	FC-AL, FC-SW	N
6	Primergy: RX600, RX800, TX600	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,3} , v2.4.9-E.12 ^{3,9} , v2.4.9-E.16 ^{3,9} , v2.4.9-E.31 ^{2,3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3,9} , v2.4.9-e.16 ^{3,9}	QLogic QLA2200F-EMC ^{4,5,6,7}	FC-AL, FC-SW	N
7	Primergy: RX600, RX800, TX600	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ³ , v2.4.9-e.25 ^{3,11} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ³ , v2.4.9-e.25 ^{3,11} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{4,5,6,7,10} , QLA2200F-EMC ^{4,7,10}	FC-AL, FC-SW	N

- The kernel version listed is included in the corresponding standard distributed release.
- Supported with QLogic driver v6.05.00.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Driver Version v6.05.00.
- Driver Version v6.x series. Supports persistent binding and only supports Class 3.
- Must use standard PCI 32bit/33MHz slot for SCSI
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- Driver Version v6.04.01.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.

HPQ

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Proliant 8500	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.32 ^{5,6}	QLogic: QLA2200F-EMC ^{3,4,7,8} , QLA2310F-E-SP ^{3,4,7,8} , QLA2340-E-SP ^{3,4,7,8}	FC-AL, FC-SW	N	
2	Netserver LH III; Proliant DL580(G2) ⁹	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{1,2}	QLogic QLA2200F-EMC ^{3,4}	FC-AL, FC-SW	N	
3	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9,12} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 6000 ^{9,10} , 6400R ⁹ , 6500 ^{9,10} , 800, 8000 ^{9,10} , 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580 ⁹ , ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{1,2}	QLogic: QLA2200F-EMC ^{3,4} , QLA2310F-E-SP, QLA2340-E-SP	FC-AL, FC-SW	N	
4	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 4, 6000, II; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,6,13} , v2.4.9-E.12 ^{1,2,13} , v2.4.9-E.16 ^{1,2,13} , v2.4.9-E.32 ^{5,6,13} , v2.4.9-E.9 ^{1,2,13} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2,13} , v2.4.9-e.16 ^{1,2,13}	QLogic QLA2342-E-SP ^{14,15,16,17}	FC-AL, FC-SW	N	
5	Netserver LH III	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,6,13} , v2.4.9-E.12 ^{1,2,13} , v2.4.9-E.16 ^{1,2,13} , v2.4.9-E.32 ^{5,6,13} , v2.4.9-E.9 ^{1,13} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2,13} , v2.4.9-e.16 ^{1,2,13}	QLogic QLA2342-E-SP ^{14,15,16,17}	FC-AL, FC-SW	N	
6	Proliant DL580(G2) ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,6} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.32 ^{5,6} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
7	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9,12} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 6000 ^{9,10} , 6400R ⁹ , 6500 ^{9,10} , 800, 8000 ^{9,10} , 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,6} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.32 ^{5,6} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic: QLA2200F-EMC ^{3,4,7,8} , QLA2310F-E-SP ^{3,4,7,8} , QLA2340-E-SP ^{3,4,7,8}	FC-AL, FC-SW	N	
8	Netserver LH 3000; Proliant: 1600 ^{9,12} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 6000 ^{9,10} , 6400R ⁹ , 6500 ^{9,10} , 800, 8000 ^{9,10} , 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580 ⁹ , ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,6} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.32 ^{5,6} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
9	Netserver: LH PRO, LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,13} , v2.4.9-E.12 ^{1,13} , v2.4.9-E.16 ^{1,13} , v2.4.9-E.3 ¹³ , v2.4.9-E.9 ^{1,13} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,13} , v2.4.9-e.16 ^{1,13}	QLogic QLA2342-E-SP ^{14,15,16,17}	FC-AL, FC-SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
10	Proliant 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.10 ^{1, 2} , v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} , v2.4.9–e.3 ^{2, 5, 6} , v2.4.9–e.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
11	Proliant 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.10 ^{1, 2} , v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} , v2.4.9–e.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic: QLA2200F–EMC, QLA2310F–E–SP, QLA2340–E–SP	FC–AL, FC–SW	N	
12	Proliant: 7000 ^{9, 10} , ML350(G2) ⁹ , ML350(G3), ML530(G2) ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.10 ^{1, 2} , v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} , v2.4.9–e.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic: QLA2200F–EMC, QLA2310F–E–SP, QLA2340–E–SP, QLA2342–E–SP	FC–AL, FC–SW	N	
13	Netserver LC: 2000 U3, 2000R; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 13, 22} , v2.4.9–e.25 ^{2, 13, 22} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 13, 22} , v2.4.9–e.27	QLogic QLA2342–E–SP ^{8, 14, 15, 16, 17, 32}	FC–AL, FC–SW	N	
14	Proliant ML750 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{3, 16, 17, 32}	FC–AL, FC–SW	Y ^{11, 23, 24, 25, 26, 27, 28, 29, 30, 31}	
15	Proliant: ML350(G2) ⁹ , ML350(G3), ML370(G2), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{3, 16, 17, 32}	FC–AL, FC–SW	Y ^{23, 24, 25, 26, 27, 28, 29, 30, 31}	
16	Netserver LH 3000; Proliant: 1600 ^{9, 12} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 10, 6000 ^{9, 10} , 6400R ⁹ , 6500 ^{9, 10} , 7000 ^{9, 10} , 800, 8000 ^{9, 10} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹ , ML750 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27	QLogic QLA2342–E–SP ^{8, 14, 15, 16, 17, 32}	FC–AL, FC–SW	N	
17	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27	Emulex LP982–E ^{3, 14, 15, 33, 35, 36, 37, 46, 50}	FC–AL, FC–SW	Y ^{25, 26, 27, 28, 29, 30, 31}	
18	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{3, 15, 33, 34, 35, 36, 37}	FC–AL, FC–SW	Y	
19	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ¹³ , v2.4.9–e.25 ¹³ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ¹³ , v2.4.9–e.27	QLogic QLA2342–E–SP ^{8, 14, 15, 16, 17, 32}	FC–AL, FC–SW	N	
20	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27	Emulex: LP10000–E ^{3, 14, 34, 36, 37, 38, 43, 44} , LP10000DC–E ^{3, 14, 34, 36, 37, 38, 43, 44} , LP1050–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51} , LP1050DC–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51}	FC–AL, FC–SW	Y ^{25, 26, 27, 28, 29, 30, 31}	
21	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ⁹ , 800, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{3, 14, 34, 36, 37, 38, 43, 44} , LP10000DC–E ^{3, 14, 34, 36, 37, 38, 43, 44} , LP1050–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51} , LP1050DC–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51}	FC–AL, FC–SW	N	See ⁴²
22	Proliant 7000 ^{9, 10}	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{47, 48} , QLogic QLA2200F–EMC ^{3, 7, 8}	FC–AL, FC–SW	N	
23	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{9, 12} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 10, 6000 ^{9, 10} , 6400R ⁹ , 6500 ^{9, 10} , 7000 ^{9, 10} , 800, 8000 ^{9, 10} , 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{47, 48} , QLogic QLA2342–E–SP ^{3, 4, 14}	FC–AL, FC–SW	N	
24	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{9, 12} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 10, 6000 ^{9, 10} , 6400R ⁹ , 6500 ^{9, 10} , 7000 ^{9, 10} , 800, 8000 ^{9, 10} , 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC–AL, FC–SW	Y	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
25	Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LX PRO, LXR PRO, LXR PRO8	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2342–E–SP ^{3, 4, 14}	FC–AL, FC–SW	N	
26	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{3, 14, 34, 36, 37, 38, 43, 44} , LP10000DC–E ^{3, 14, 34, 36, 37, 38, 43, 44} , LP1050–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51} , LP1050DC–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51} , LP982–E ^{3, 14, 15, 33, 35, 36, 37, 46, 50}	FC–AL, FC–SW	Y ^{26, 27, 28, 29, 30, 31}	
27	Proliant 7000 ^{9, 10}	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F–EMC ^{3, 7, 8, 17}	FC–AL, FC–SW	N	
28	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
29	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ^{1, 2}	QLogic: QLA2310F–E–SP, QLA2340–E–SP	FC–AL, FC–SW	N	
30	Proliant DL360(G3)	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F–EMC ^{3, 4}	FC–AL, FC–SW	N	
31	Proliant: DL560, ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2}	QLogic: QLA2200F–EMC ^{3, 4} , QLA2310F–E–SP, QLA2340–E–SP	FC–AL, FC–SW	N	
32	Proliant DL740	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 6} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
33	Proliant DL740	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 6} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic: QLA2200F–EMC ^{3, 4, 7, 8} , QLA2310F–E–SP ^{3, 4, 7, 8} , QLA2340–E–SP ^{3, 4, 7, 8}	FC–AL, FC–SW	N	
34	Proliant DL360(G3)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 6} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 5, 6} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F–EMC ^{3, 4, 7, 8}	FC–AL, FC–SW	N	
35	Proliant: DL560, ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 6} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 5, 6} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{3, 4, 7, 8} , QLA2310F–E–SP ^{3, 4, 7, 8} , QLA2340–E–SP ^{3, 4, 7, 8}	FC–AL, FC–SW	N	
36	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 6} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 5, 6} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
37	Proliant: DL760 (G2), DL760 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 6} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 5, 6} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{3, 4, 7, 8} , QLA2310F–E–SP ^{3, 4, 7, 8} , QLA2340–E–SP ^{3, 4, 7, 8}	FC–AL, FC–SW	N	
38	Proliant DL360(G3)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 6} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.3 ^{2, 5, 6} ; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2310F–E–SP ^{3, 4, 7, 8} , QLA2340–E–SP ^{3, 4, 7, 8}	FC–AL, FC–SW	N	
39	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{1, 2} , v2.4.9–E.3 ^{2, 5, 6} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{3, 4, 7, 8} , QLA2342–E–SP	FC–AL, FC–SW	N	
40	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{1, 2} , v2.4.9–E.3 ^{2, 5, 6} , v2.4.9–e.24 ² , v2.4.9–e.25 ^{2, 22} ; Red Hat Linux: 2.1 ES v2.4.9–e.25 ^{2, 22} , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F	FC–AL, FC–SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
41	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{1, 2} , v2.4.9–E.3 ^{2, 5, 6} , v2.4.9–e.24 ² , v2.4.9–e.25 ² ; Red Hat Linux: 2.1 ES v2.4.9–e.25 ² , 8.0 updated to v2.4.20–20.8 ²	IBM: 00N6881 (QLA2200) ^{3, 4, 7, 8, 19, 20} , 19K1246(QLA2310) ^{3, 4, 7, 8, 18, 19}	FC–AL, FC–SW	N	
42	Proliant DL360(G3)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{1, 2} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic: QLA2310F–E–SP, QLA2340–E–SP	FC–AL, FC–SW	N	
43	Proliant: DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{3, 16, 17, 32}	FC–AL, FC–SW	Y ^{23, 24, 25, 26, 27, 28, 29, 30, 31}	
44	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27	QLogic QLA2342–E–SP ^{8, 14, 15, 16, 17, 32}	FC–AL, FC–SW	N	
45	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP982–E ^{3, 14, 15, 33, 35, 36, 37, 46, 50}	FC–AL, FC–SW	Y ^{25, 26, 27, 28, 29, 30, 31}	
46	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{3, 15, 33, 34, 35, 36, 37}	FC–AL, FC–SW	Y	
47	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27	QLogic: QLA2200F–EMC ^{3, 4, 7, 8, 32} , QLA2310F–E–SP ³² , QLA2340–E–SP ³² , QLA2342–E–SP ^{8, 32}	FC–AL, FC–SW	N	
48	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{3, 33, 34, 36, 37}	FC–AL, FC–SW	Y	
49	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{3, 14, 15, 33, 35, 36, 37, 46, 50}	FC–AL, FC–SW	N	
50	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27	Emulex: LP10000–E ^{3, 14, 34, 36, 37, 38, 43, 44} , LP10000DC–E ^{3, 14, 34, 36, 37, 38, 43, 44} , LP1050–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51} , LP1050DC–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51}	FC–AL, FC–SW	Y ^{25, 26, 27, 28, 29, 30, 31}	
51	Proliant: BL40p, DL740, DL760 (G2), DL760 ⁹	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{3, 14, 34, 36, 37, 38, 43, 44} , LP10000DC–E ^{3, 14, 34, 36, 37, 38, 43, 44} , LP1050–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51} , LP1050DC–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51}	FC–AL, FC–SW	N	
52	Proliant: DL560, ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{3, 14, 34, 36, 37, 38, 43, 44} , LP10000DC–E ^{3, 14, 34, 36, 37, 38, 43, 44} , LP1050–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51} , LP1050DC–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51}	FC–AL, FC–SW	N	See ⁴²
53	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM: 00N6881 (QLA2200) ^{3, 4, 7, 8, 20, 32} , 19K1246(QLA2310) ^{3, 4, 7, 8, 18, 32} , QLogic QLA2200F ³²	FC–AL, FC–SW	N	
54	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{14, 15, 35, 46}	FC–AL, FC–SW	N	
55	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27 ² , ES v2.4.9–e.24 ² , ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{14, 15, 34, 35, 36, 37, 45}	FC–AL, FC–SW	Y	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
56	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{47, 48} , QLogic QLA2342–E–SP ^{3, 4, 14}	FC–AL, FC–SW	N	
57	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC–AL, FC–SW	Y	
58	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{3, 14, 34, 36, 37, 38, 43, 44} , LP10000DC–E ^{3, 14, 34, 36, 37, 38, 43, 44} , LP1050–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51} , LP1050DC–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51} , LP982–E ^{3, 14, 15, 33, 35, 36, 37, 46, 50}	FC–AL, FC–SW	Y ^{26, 27, 28, 29, 30, 31}	
59	Proliant BL40p	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 6} , 8, 0 updated to v2.4.20–20.8 ²	QLogic: QLA2310F–E–SP ^{3, 4, 7, 8} , QLA2340–E–SP ^{3, 4, 7, 8}	FC–AL, FC–SW	N	
60	Proliant BL20p (G2)	PCI–X ²	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 13} , v2.4.9–E.1 ^{21, 2} , v2.4.9–E.16 ^{1, 13} , v2.4.9–E.3 ² , v2.4.9–E.9 ^{1, 13} , v2.4.9–e.24 ¹³ , v2.4.9–e.25 ¹³ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 13} , v2.4.9–e.16 ^{1, 13} , v2.4.9–e.24 ¹³ , v2.4.9–e.25 ¹³ , v2.4.9–e.27; Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	HPQ Dual-port mezzanine controller card	FC–AL, FC–SW	N	
61	Proliant BL20p (G2)	PCI–X ²	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{47, 48}	FC–AL, FC–SW	N	
62	Proliant BL20p (G2)	PCI–X ²	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC–AL, FC–SW	Y	
63	Proliant DL580(G3)	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 6} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 5, 6} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
64	Proliant DL580(G3)	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 6} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.3 ^{2, 5, 6} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2310F–E–SP ^{3, 4, 7, 8} , QLA2340–E–SP ^{3, 4, 7, 8}	FC–AL, FC–SW	N	
65	Proliant DL580(G3)	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 6} , v2.4.9–E.3 ^{2, 5, 6} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F–EMC ^{3, 4, 7, 8}	FC–AL, FC–SW	N	
66	Proliant DL580(G2) ⁹	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic: QLA2200F–EMC, QLA2310F–E–SP, QLA2340–E–SP, QLA2342–E–SP	FC–AL, FC–SW	N	
67	Proliant DL580(G3)	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F–EMC	FC–AL, FC–SW	N	
68	Proliant DL580(G3)	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{1, 2} , v2.4.9–E.9 ^{1, 2}	QLogic: QLA2310F–E–SP, QLA2340–E–SP	FC–AL, FC–SW	N	
69	Proliant DL580(G2) ⁹	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{3, 16, 17, 32}	FC–AL, FC–SW	Y ^{23, 24, 25, 26, 27, 28, 29, 30, 31}	
70	Proliant: DL580(G2) ⁹ , DL580(G3)	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27	QLogic QLA2342–E–SP ^{8, 14, 15, 16, 17, 32}	FC–AL, FC–SW	N	
71	Proliant DL580(G3)	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP982–E ^{3, 14, 15, 33, 35, 36, 37, 46, 50}	FC–AL, FC–SW	Y ^{25, 26, 27, 28, 29, 30, 31}	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
72	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{3, 15, 33, 34, 35, 36, 37}	FC–AL, FC–SW	Y	
73	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27	Emulex: LP10000–E ^{3, 14, 34, 36, 37, 38, 43, 44} LP10000DC–E ^{3, 14, 34, 36, 37, 38, 43, 44} LP1050–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51} LP1050DC–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51}	FC–AL, FC–SW	Y ^{25, 26, 27, 28, 29, 30, 31}	
74	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{3, 14, 34, 36, 37, 38, 43, 44} LP10000DC–E ^{3, 14, 34, 36, 37, 38, 43, 44} LP1050–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51} LP1050DC–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51}	FC–AL, FC–SW	N	See ⁴²
75	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{47, 48} , QLogic QLA2342–E–Sp ^{3, 4, 14}	FC–AL, FC–SW	N	
76	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC–AL, FC–SW	Y	
77	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{3, 14, 34, 36, 37, 38, 43, 44} LP10000DC–E ^{3, 14, 34, 36, 37, 38, 43, 44} LP1050–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51} LP1050DC–E ^{3, 14, 15, 33, 34, 35, 36, 37, 51} LP982–E ^{3, 14, 15, 33, 35, 36, 37, 46, 50}	FC–AL, FC–SW	Y ^{26, 27, 28, 29, 30, 31}	
78	Netsserver LC: 2000 U3, 2000r; Netsserver LP 2000r; Proliant: DL380(G3), DL580(G2) ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{15, 33, 34, 35, 36, 37}	FC–AL, FC–SW ¹⁴	Y	
79	Proliant: DL360(G3), DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{15, 33, 34, 35, 36, 37}	FC–AL, FC–SW ¹⁴	Y	
80	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{15, 33, 34, 35, 36, 37}	FC–AL, FC–SW ¹⁴	Y	
81	Netsserver LC: 2000 U3, 2000r; Netsserver: LP 2000r, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{3, 14, 15, 33, 34, 35, 36, 40, 41}	FC–AL, FC–SW ^{14, 38}	Y ^{25, 26, 27, 28, 29, 30, 31}	
82	Netsserver LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380 ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{15, 33, 34, 35, 36, 37}	FC–AL, FC–SW ^{14, 38}	Y	
83	Netsserver LC: 2000 U3, 2000r; Netsserver: LP 2000r, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{3, 14, 15, 33, 34, 35, 36, 40, 41}	FC–AL, FC–SW ^{14, 38}	Y ^{24, 25, 26, 27, 28, 29, 30, 31, 52}	
84	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ^{3, 14, 15, 33, 34, 35, 36, 40, 41}	FC–AL, FC–SW ^{14, 38}	Y ^{25, 26, 27, 28, 29, 30, 31}	
85	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{3, 14, 15, 33, 34, 35, 36, 40, 41}	FC–AL, FC–SW ^{14, 38}	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
86	Proliant DL560	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{15, 33, 34, 35, 36, 37}	FC-AL, FC-SW ^{14, 38}	Y	
87	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{3, 33, 34, 35, 36, 37}	FC-AL, FC-SW ^{14, 38}	Y	
88	Proliant BL40p	PCI-X	Red Hat Linux 2.1 ES: v2.4.9-e.24 ²	Emulex LP9802-E ^{33, 34, 35, 36, 37}	FC-AL, FC-SW ^{14, 38}	Y	
89	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{3, 14, 15, 33, 34, 35, 36, 40, 41}	FC-AL, FC-SW ^{14, 38}	Y ^{24, 25, 26, 27, 28, 29, 30, 31, 52}	
90	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 22} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002DC-E ^{3, 14, 15, 33, 34, 35, 36, 40, 41}	FC-AL, FC-SW ^{14, 38}	Y ^{25, 26, 27, 28, 29, 30, 31}	
91	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{3, 14, 15, 33, 34, 35, 36, 40, 41}	FC-AL, FC-SW ^{14, 38}	Y ^{24, 25, 26, 27, 28, 29, 30, 31, 52}	
92	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 6, 13} , v2.4.9-E.12 ^{1, 2, 13} , v2.4.9-E.16 ^{1, 2, 13} , v2.4.9-E.3 ^{2, 5, 6, 13} , v2.4.9-E.9 ^{1, 2, 13} , v2.4.9-e.24 ^{2, 13, 22} , v2.4.9-e.25 ^{2, 13, 22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 13} , v2.4.9-e.16 ^{1, 2, 13} , v2.4.9-e.24 ^{2, 22} , v2.4.9-e.25 ^{2, 13, 22} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ FCA2214 (QLA2340) ^{3, 4, 8, 19, 32, 49}	FC-AL, FC-SW ¹⁵	N	
93	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 6, 13} , v2.4.9-E.12 ^{1, 2, 13} , v2.4.9-E.16 ^{1, 2, 13} , v2.4.9-E.3 ^{2, 5, 6, 13} , v2.4.9-E.9 ^{1, 2, 13} , v2.4.9-e.24 ¹³ , v2.4.9-e.25 ¹³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 13} , v2.4.9-e.16 ^{1, 2, 13} , v2.4.9-e.25 ¹³ , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ FCA2214 (QLA2340) ^{3, 4, 8, 19, 32, 49}	FC-AL, FC-SW ¹⁵	N	
94	Netserver LH III	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 6, 13} , v2.4.9-E.12 ^{1, 2, 13} , v2.4.9-E.16 ^{1, 2, 13} , v2.4.9-E.3 ^{2, 5, 6, 13} , v2.4.9-E.9 ^{1, 13} , v2.4.9-e.24 ^{2, 13, 22} , v2.4.9-e.25 ^{2, 13, 22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 13} , v2.4.9-e.16 ^{1, 2, 13} , v2.4.9-e.24 ^{2, 22} , v2.4.9-e.25 ^{2, 13, 22} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ FCA2214 (QLA2340) ^{3, 4, 8, 19, 32, 49}	FC-AL, FC-SW ¹⁵	N	
95	Proliant DL580(G2) ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 6} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 6} , v2.4.9-e.24 ^{2, 22} , v2.4.9-e.25 ^{2, 22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} , v2.4.9-e.24 ^{2, 22} , v2.4.9-e.25 ^{2, 22} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ FCA2214 (QLA2340) ^{3, 4, 8, 19, 32, 49}	FC-AL, FC-SW ¹⁵	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
96	Netserver LH 3000; Proliant: 1600 ^{9,12} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 10, 6000 ^{9,10} , 6400R ⁹ , 6500 ^{9,10} , 800, 8000 ^{9,10} , 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580 ⁹ , ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,6} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,6} , v2.4.9-E.9 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49}	FC-AL, FC-SW ¹⁵	N	
97	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LPR, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,13} , v2.4.9-E.12 ^{1,13} , v2.4.9-E.16 ^{1,13} , v2.4.9-E.3 ¹³ , v2.4.9-E.9 ^{1,13} , Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,13} , v2.4.9-e.16 ^{1,13}	QLogic QLA2340-E-SP ^{3,16,17}	FC-AL, FC-SW ¹⁵	Y ^{23,24,} 25, 26, 27, 28, 29, 30, 31	
98	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,13} , v2.4.9-E.12 ^{1,13} , v2.4.9-E.16 ^{1,13} , v2.4.9-E.3 ¹³ , v2.4.9-E.9 ^{1,13} , v2.4.9-e.24 ^{2,13,22} , v2.4.9-e.25 ^{2,13,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,13} , v2.4.9-e.16 ^{1,13} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,13,22} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49}	FC-AL, FC-SW ¹⁵	Y ^{23,24,} 25, 26, 27, 28, 29, 30, 31	
99	Netserver LH PRO	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,13} , v2.4.9-E.12 ^{1,13} , v2.4.9-E.16 ^{1,13} , v2.4.9-E.3 ¹³ , v2.4.9-E.9 ^{1,13} , v2.4.9-e.24 ^{2,13,22} , v2.4.9-e.25 ^{2,13,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,13} , v2.4.9-e.16 ^{1,13} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,13,22} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49}	FC-AL, FC-SW ¹⁵	N	
100	Netserver LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,13} , v2.4.9-E.12 ^{1,13} , v2.4.9-E.16 ^{1,13} , v2.4.9-E.3 ¹³ , v2.4.9-E.9 ^{1,13} , v2.4.9-e.24 ¹³ , v2.4.9-e.25 ¹³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,13} , v2.4.9-e.16 ^{1,13} , v2.4.9-e.25 ¹³ , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49}	FC-AL, FC-SW ¹⁵	N	
101	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,13} , v2.4.9-E.12 ^{1,13} , v2.4.9-E.16 ^{1,13} , v2.4.9-E.3 ¹³ , v2.4.9-E.9 ^{1,13} , v2.4.9-e.24 ¹³ , v2.4.9-e.25 ¹³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,13} , v2.4.9-e.16 ^{1,13} , v2.4.9-e.25 ¹³ , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49}	FC-AL, FC-SW ¹⁵	Y ^{23,24,} 25, 26, 27, 28, 29, 30, 31	
102	Proliant 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,6} , v2.4.9-E.9 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49}	FC-AL, FC-SW ¹⁵	N	
103	Proliant: 7000 ^{9,10} , ML350(G2) ⁹ , ML350(G3), ML530(G2) ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.9 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49}	FC-AL, FC-SW ¹⁵	N	
104	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,13,22} , v2.4.9-e.25 ^{2,13,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,13,22} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3,16,17,32}	FC-AL, FC-SW ¹⁵	Y ^{23,24,} 25, 26, 27, 28, 29, 30, 31	
105	Proliant ML750 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49}	FC-AL, FC-SW ¹⁵	N, Y ^{11,} 23, 24, 25, 26, 27, 28, 29, 30, 31	
106	Proliant: ML350(G2) ⁹ , ML350(G3), ML370(G2), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49}	FC-AL, FC-SW ¹⁵	Y ^{23,24,} 25, 26, 27, 28, 29, 30, 31	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
107	Netserver LH 3000; Proliant: 1600 ^{9,12} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 10, 6000 ^{9,10} , 6400R ⁹ , 6500 ^{9,10} , 7000 ^{9,10} , 800, 8000 ⁹ , 10, 8500, 8500 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350 ⁹ , ML370(G3), ML750 ¹¹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49} , QLogic QLA2340-E-SP ^{3,16,17,32}	FC-AL, FC-SW ¹⁵	Y ^{23,24} , 25, 26, 27, 28, 29, 30, 31	
108	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ¹³ , v2.4.9-e.25 ¹³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ¹³ , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3,16,17,32}	FC-AL, FC-SW ¹⁵	Y ^{23,24} , 25, 26, 27, 28, 29, 30, 31	
109	Proliant DL740	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,6} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,6} , v2.4.9-E.9 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49}	FC-AL, FC-SW ¹⁵	N	
110	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,6} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,6} , v2.4.9-E.9 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49}	FC-AL, FC-SW ¹⁵	N	
111	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,6} , v2.4.9-E.3 ^{2,5,6} , v2.4.9-e.24 ² , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49}	FC-AL, FC-SW ¹⁵	N	
112	Proliant: DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49}	FC-AL, FC-SW ¹⁵	Y ^{23,24} , 25, 26, 27, 28, 29, 30, 31	
113	Proliant: DL360(G3), DL560	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49} , QLogic QLA2340-E-SP ^{3,16,17,32}	FC-AL, FC-SW ¹⁵	Y ^{23,24} , 25, 26, 27, 28, 29, 30, 31	
114	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,6} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,6} , v2.4.9-E.9 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49}	FC-AL, FC-SW ¹⁵	N	
115	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,6} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.9 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49}	FC-AL, FC-SW ¹⁵	N	
116	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49}	FC-AL, FC-SW ¹⁵	Y ^{23,24} , 25, 26, 27, 28, 29, 30, 31	
117	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27	HPQ FCA2214 (QLA2340) ^{3,4,8,19,32,49} , QLogic QLA2340-E-SP ^{3,16,17,32}	FC-AL, FC-SW ¹⁵	Y ^{23,24} , 25, 26, 27, 28, 29, 30, 31	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
118	Netsserver LC: 2000 U3, 2000R; Netsserver: LP 2000R, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{3, 15} , 33, 34, 35, 36, 37, 39	FC–AL, FC–SW ³³	Y ^{25, 26} , Z ^{27, 28, 29} , 30, 31	
119	Netsserver LC: 2000 U3, 2000R; Netsserver: LP 2000R, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{3, 15} , 33, 34, 35, 36, 37, 39	FC–AL, FC–SW ³³	Y ^{24, 25} , Z ^{26, 27, 28} , 29, 30, 31, 52	
120	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{3, 15} , 33, 34, 35, 36, 37, 39	FC–AL, FC–SW ³³	Y ^{25, 26} , Z ^{27, 28, 29} , 30, 31	
121	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{3, 33} , 34, 36, 37, 39	FC–AL, FC–SW ³³	N	
122	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI–X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{3, 15} , 33, 34, 35, 36, 37, 39	FC–AL, FC–SW ³³	Y ^{24, 25} , Z ^{26, 27, 28} , 29, 30, 31, 52	
123	Proliant DL580(G3)	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{3, 15} , 33, 34, 35, 36, 37, 39	FC–AL, FC–SW ³³	Y ^{25, 26} , Z ^{27, 28, 29} , 30, 31	
124	Proliant DL580(G3)	PCI, PCI–X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{3, 15} , 33, 34, 35, 36, 37, 39	FC–AL, FC–SW ³³	Y ^{24, 25} , Z ^{26, 27, 28} , 29, 30, 31, 52	
125	Netsserver LC: 2000 U3, 2000R; Netsserver LH: 3, 4, 6000, II; Netsserver: LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 6, 13} , v2.4.9–E.12 ^{1, 2, 13} , v2.4.9–E.16 ¹ , 2, 13, v2.4.9–E.3 ^{2, 5, 6, 13} , v2.4.9–E.9 ^{1, 2, 13} , v2.4.9–e.24 ² , 13, 22, v2.4.9–e.25 ^{2, 13, 22} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2, 13} , v2.4.9–e.16 ¹ , 2, 13, v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 13, 22} , v2.4.9–e.27; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	HPQ FCA2214DC (QLA2342) ^{3, 4, 8} , 19, 32, 49	FC–AL ¹⁵ , FC–SW	N	
126	Netsserver LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 6, 13} , v2.4.9–E.12 ^{1, 2, 13} , v2.4.9–E.16 ¹ , 2, 13, v2.4.9–E.3 ^{2, 5, 6, 13} , v2.4.9–E.9 ^{1, 2, 13} , v2.4.9–e.24 ¹³ , v2.4.9–e.25 ¹³ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2, 13} , v2.4.9–e.16 ¹ , 2, 13, v2.4.9–e.25 ¹³ , v2.4.9–e.27; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	HPQ FCA2214DC (QLA2342) ^{3, 4, 8} , 19, 32, 49	FC–AL ¹⁵	N	
127	Netsserver LH III	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 6, 13} , v2.4.9–E.12 ^{1, 2, 13} , v2.4.9–E.16 ¹ , 2, 13, v2.4.9–E.3 ^{2, 5, 6, 13} , v2.4.9–E.9 ^{1, 13} , v2.4.9–e.24 ^{2, 13} , 22, v2.4.9–e.25 ^{2, 13, 22} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2, 13} , v2.4.9–e.16 ¹ , 2, 13, v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 13, 22} , v2.4.9–e.27; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	HPQ FCA2214DC (QLA2342) ^{3, 4, 8} , 19, 32, 49	FC–AL ¹⁵ , FC–SW	N	
128	Proliant DL580(G2) ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 6} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 5, 6} , v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} , v2.4.9–e.24 ^{2, 22} , v2.4.9–e.25 ^{2, 22} , v2.4.9–e.27; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	HPQ FCA2214DC (QLA2342) ^{3, 4, 8} , 19, 32, 49	FC–AL ¹⁵ , FC–SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
129	Netserver LH 3000; Proliant: 1600 ^{9,12} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 10, 6000 ^{9,10} , 6400R ⁹ , 6500 ^{9,10} , 800, 8000 ^{9,10} , 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580 ⁹ , ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,6} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,6} , v2.4.9-E.9 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ FCA2214DC (QLA2342) ^{3,4,8} , 19, 32, 49	FC-AL ¹⁵ FC-SW	N	
130	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,13} , v2.4.9-E.12 ^{1,13} , v2.4.9-E.16 ^{1,13} , 13, v2.4.9-E.3 ¹³ , v2.4.9-E.9 ^{1,13} , v2.4.9-e.24 ^{2,13,22} , v2.4.9-e.25 ^{2,13,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,13} , v2.4.9-e.16 ^{1,13} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,13,22} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{3,4,8} , 19, 32, 49	FC-AL ¹⁵ FC-SW	Y ^{23,24} , 25, 26, 27, 28, 29, 30, 31	
131	Netserver LH PRO	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,13} , v2.4.9-E.12 ^{1,13} , v2.4.9-E.16 ^{1,13} , 13, v2.4.9-E.3 ¹³ , v2.4.9-E.9 ^{1,13} , v2.4.9-e.24 ^{2,13,22} , v2.4.9-e.25 ^{2,13,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,13} , v2.4.9-e.16 ^{1,13} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,13,22} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{3,4,8} , 19, 32, 49	FC-AL ¹⁵ FC-SW	N	
132	Netserver LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,13} , v2.4.9-E.12 ^{1,13} , v2.4.9-E.16 ^{1,13} , 13, v2.4.9-E.3 ¹³ , v2.4.9-E.9 ^{1,13} , v2.4.9-e.24 ^{2,13} , v2.4.9-e.25 ^{2,13} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,13} , v2.4.9-e.16 ^{1,13} , v2.4.9-e.25 ^{2,13} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{3,4,8} , 19, 32, 49	FC-AL ¹⁵ FC-SW	N	
133	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,13} , v2.4.9-E.12 ^{1,13} , v2.4.9-E.16 ^{1,13} , 13, v2.4.9-E.3 ¹³ , v2.4.9-E.9 ^{1,13} , v2.4.9-e.24 ^{2,13} , v2.4.9-e.25 ^{2,13} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,13} , v2.4.9-e.16 ^{1,13} , v2.4.9-e.25 ^{2,13} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{3,4,8} , 19, 32, 49	FC-AL ¹⁵ FC-SW	Y ^{23,24} , 25, 26, 27, 28, 29, 30, 31	
134	Proliant 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,6} , v2.4.9-E.9 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{3,4,8} , 19, 32, 49	FC-AL ¹⁵ FC-SW	N	
135	Proliant: 7000 ^{9,10} , ML350(G2) ⁹ , ML350(G3), ML530(G2) ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.9 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{3,4,8} , 19, 32, 49	FC-AL ¹⁵ FC-SW	N	
136	Netserver LH 3000; Proliant: 1600 ^{9,12} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 10, 6000 ^{9,10} , 6400R ⁹ , 6500 ^{9,10} , 7000 ^{9,10} , 800, 8000 ⁹ , 10, 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{3,4,8} , 19, 32, 49	FC-AL ¹⁵ FC-SW	Y ^{23,24} , 25, 26, 27, 28, 29, 30, 31	
137	Proliant ML750 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{3,4,8} , 19, 32, 49	FC-AL ¹⁵ FC-SW	N, Y ¹¹ , 23, 24, 25, 26, 27, 28, 29, 30, 31	
138	Proliant DL740	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,6} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,22} , v2.4.9-e.25 ^{2,22} , v2.4.9-e.27; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	HPQ FCA2214DC (QLA2342) ^{3,4,8} , 19, 32, 49	FC-AL ¹⁵ FC-SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
139	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 6} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 6} , v2.4.9-E.9 ^{1, 2} , v2.4.9-e.24 ^{2, 22} , v2.4.9-e.25 ^{2, 22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} , v2.4.9-e.24 ^{2, 22} , v2.4.9-e.25 ^{2, 22} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ FCA2214DC (QLA2342) ^{3, 4, 8, 19, 32, 49}	FC-AL ¹⁵ FC-SW	N	
140	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 6} , v2.4.9-e.24 ² , v2.4.9-e.25 ^{2, 22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{2, 22} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	HPQ FCA2214DC (QLA2342) ^{3, 4, 8, 19, 32, 49}	FC-AL ¹⁵ FC-SW	N	
141	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 22} , v2.4.9-e.25 ^{2, 22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 22} , v2.4.9-e.25 ^{2, 22} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{3, 4, 8, 19, 32, 49}	FC-AL ¹⁵ FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 30, 31}	
142	Proliant DL580(G3)	PCI PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 6} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 6} , v2.4.9-E.9 ^{1, 2} , v2.4.9-e.24 ^{2, 22} , v2.4.9-e.25 ^{2, 22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} , v2.4.9-e.24 ^{2, 22} , v2.4.9-e.25 ^{2, 22} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ FCA2214DC (QLA2342) ^{3, 4, 8, 19, 32, 49}	FC-AL ¹⁵ FC-SW	N	
143	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 6} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.9 ^{1, 2} , v2.4.9-e.24 ^{2, 22} , v2.4.9-e.25 ^{2, 22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} , v2.4.9-e.24 ^{2, 22} , v2.4.9-e.25 ^{2, 22} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{3, 4, 8, 19, 32, 49}	FC-AL ¹⁵ FC-SW	N	
144	Proliant: DL580(G2) ⁹ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 22} , v2.4.9-e.25 ^{2, 22} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 22} , v2.4.9-e.25 ^{2, 22} , v2.4.9-e.27	HPQ FCA2214DC (QLA2342) ^{3, 4, 8, 19, 32, 49}	FC-AL ¹⁵ FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 30, 31}	

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- Driver Version v6.x series. Supports persistent binding and only supports Class 3.
- The kernel version listed is included in the corresponding standard distributed release.
- Supported with QLogic driver v6.05.00.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- Driver Version v6.05.00.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Includes both Pentium PRO and XEON models
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Single HBA zoning is required regardless of the switch being utilized.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- This HBA is equivalent to the qLogic QLA2310.
- Driver Version v6.04.02.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- Dual port PCI-X fibre channel mezzanine card option is embedded. No PCI/PCI-X slots available.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- Requires QLogic driver 4.47.18 driver disk, dd.img-i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Only one HBA is qualified for use in the Linux host when booting from the CLARiiON via fabric.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- Driver Version v6.04.01.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- Emulex driver and BIOS available from <http://www.emulex.com>.
- Driver Version 1.23a.
- FCode value 1.63a2.

38. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
39. The LP9002-E now ships with the LP9002L-E low profile adapter.
40. FCode value 1.63a.
41. Firmware Version 3.90a7.
42. Linux v2.4.x Kernels support a maximum of 128 devices per system.
43. Firmware Version 1.80a2.
44. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
45. Firmware Version 1.01a2.
46. Firmware Version 1.02a0.
47. Firmware Version v3.90a7.
48. Driver Version v1.22e.
49. **Requires BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
50. **QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
51. Firmware Version 1.80a3.
52. **Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.**

IBM

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{3,17}	QLogic QLA2200F-EMC ^{4,9}	FC-AL, FC-SW	N	
2	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{3,17}	QLogic: QLA2200F-EMC ^{4,9} , QLA2310F-E-SP, QLA2340-E-SP	FC-AL, FC-SW	N	
3	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{3,17}	QLogic: QLA2310F-E-SP, QLA2340-E-SP	FC-AL, FC-SW	N	
4	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,3,17,18} , v2.4.9-E.12 ^{3,17} , v2.4.9-E.16 ^{3,17} , v2.4.9-E.31.2.3.17; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3,17} , v2.4.9-e.16 ^{3,17} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ³ , 8.0 updated to v2.4.20-20.8 ³	QLogic QLA2200F-EMC ^{4,6,8,9}	FC-AL, FC-SW	N	
5	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,3,17} , v2.4.9-E.12 ^{3,17} , v2.4.9-E.16 ^{3,17} , v2.4.9-E.31.2.3.17; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3,17} , v2.4.9-e.16 ^{3,17}	QLogic: QLA2310F-E-SP ^{4,6,8,9} , QLA2340-E-SP ^{4,6,8,9}	FC-AL, FC-SW	N	
6	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,3,17} , v2.4.9-E.12 ^{3,17} , v2.4.9-E.16 ^{3,17} , v2.4.9-E.31.2.3.17; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3,17} , v2.4.9-e.16 ^{3,17} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
7	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x345, x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,3,17} , v2.4.9-E.12 ^{3,17} , v2.4.9-E.16 ^{3,17} , v2.4.9-E.31.2.3.17; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3,17} , v2.4.9-e.16 ^{3,17} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ³ , 8.0 updated to v2.4.20-20.8 ³	QLogic: QLA2200F-EMC ^{4,6,8,9} , QLA2310F-E-SP ^{4,6,8,9} , QLA2340-E-SP ^{4,6,8,9}	FC-AL, FC-SW	N	
8	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,3,17} , v2.4.9-E.12 ^{3,17} , v2.4.9-E.16 ^{3,17} , v2.4.9-E.31.2.3.17; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3,17} , v2.4.9-e.16 ^{3,17} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ³ , 8.0 updated to v2.4.20-20.8 ³	QLogic: QLA2310F-E-SP ^{4,6,8,9} , QLA2340-E-SP ^{4,6,8,9}	FC-AL, FC-SW	N	
9	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,3,17} , v2.4.9-E.12 ^{3,17} , v2.4.9-E.16 ^{3,17} , v2.4.9-E.31.2.3.17; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3,17} , v2.4.9-e.16 ^{3,17}	IBM: 19K1246(QLA2310) ^{4,6,7,8,9,11} , 24P0960(QLA2340) ^{4,6,7,8,9,12} ; QLogic: QLA2200F, QLA2342-E-SP	FC-AL, FC-SW	N	
10	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,3,17} , v2.4.9-E.12 ^{3,17} , v2.4.9-E.16 ^{3,17} , v2.4.9-E.31.2.3.17; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3,17} , v2.4.9-e.16 ^{3,17} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
11	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,3,17} , v2.4.9-E.12 ^{3,17} , v2.4.9-E.16 ^{3,17} , v2.4.9-E.31.2.3.17; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3,17} , v2.4.9-e.16 ^{3,17} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ³ , 8.0 updated to v2.4.20-20.8 ³	IBM: 00N6881 (QLA2200) ^{4,5,6,7,8,9} , 19K1246(QLA2310) ^{4,6,7,8,9,11} , 24P0960(QLA2340) ^{4,6,7,8,9,12}	FC-AL, FC-SW	N	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
12	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3,17} , v2.4.9-E.12 ^{3,17} , v2.4.9-E.16 ^{3,17} , v2.4.9-E.9 ^{3,17} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3,17} , v2.4.9-e.16 ^{3,17}	IBM 19K1246(QLA2310) ¹¹	FC-AL, FC-SW	N	
13	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3,32} , v2.4.9-e.25 ^{3,32} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,32} , v2.4.9-e.25 ^{3,32} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{4, 19, 21, 22}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 30, 31}	
14	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ³⁴ , 7100, 7600, 8500, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x345, x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3,32} , v2.4.9-e.25 ^{3,32} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,32} , v2.4.9-e.25 ^{3,32} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{8, 19, 20, 21, 22, 33}	FC-AL, FC-SW	N	
15	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3,32} , v2.4.9-e.25 ^{3,32} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,32} , v2.4.9-e.25 ^{3,32} , v2.4.9-e.27	Emulex LP982-E ^{4, 20, 33, 35, 37, 40, 41, 58, 59}	FC-AL, FC-SW	Y ^{25, 26, 27, 28, 29, 30, 31}	
16	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3,32} , v2.4.9-e.25 ^{3,32} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,32} , v2.4.9-e.25 ^{3,32} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex LP9802DC-E ^{4, 20, 35, 37, 39, 40, 41}	FC-AL, FC-SW	Y	
17	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3,32} , v2.4.9-e.25 ^{3,32} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,32} , v2.4.9-e.25 ^{3,32} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex LP9802DC-E ^{4, 20, 35, 37, 39, 41}	FC-AL, FC-SW	Y	
18	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3,32} , v2.4.9-e.25 ^{3,32} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,32} , v2.4.9-e.25 ^{3,32} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex LP982-E ^{4, 20, 33, 35, 37, 40, 41, 58, 59}	FC-AL, FC-SW	N	
19	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ^{3,32} , ES v2.4.9-e.27	Emulex: LP10000-E ^{4, 33, 35, 36, 37, 39, 45, 46} , LP10000DC-E ^{4, 33, 35, 36, 37, 39, 45, 46} , LP1050-E ^{4, 20, 33, 35, 37, 39, 40, 41, 60} , LP1050DC-E ^{4, 20, 33, 35, 37, 39, 40, 41, 60}	FC-AL, FC-SW	Y ^{25, 26, 27, 28, 29, 30, 31}	
20	Netfinity 8500	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ^{3,32} , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex: LP10000-E ^{4, 33, 35, 36, 37, 39, 45, 46} , LP10000DC-E ^{4, 33, 35, 36, 37, 39, 45, 46} , LP1050-E ^{4, 20, 33, 35, 37, 39, 40, 41, 60} , LP1050DC-E ^{4, 20, 33, 35, 37, 39, 40, 41, 60}	FC-AL, FC-SW	N	
21	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ^{3,32} , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex: LP10000-E ^{4, 33, 35, 36, 37, 39, 45, 46} , LP10000DC-E ^{4, 33, 35, 36, 37, 39, 45, 46} , LP1050-E ^{4, 20, 33, 35, 37, 39, 40, 41, 60} , LP1050DC-E ^{4, 20, 33, 35, 37, 39, 40, 41, 60}	FC-AL, FC-SW	N	See ⁴⁴
22	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x345, x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ³	Emulex LP9002DC-E ^{54, 55} , QLogic QLA2342-E-SP ^{4, 9, 33}	FC-AL, FC-SW	N	
23	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x345, x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ³	Emulex LP9802-E	FC-AL, FC-SW	Y	
24	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex: LP10000-E ^{4, 33, 35, 36, 37, 39, 45, 46} , LP10000DC-E ^{4, 33, 35, 36, 37, 39, 45, 46} , LP1050-E ^{4, 20, 33, 35, 37, 39, 40, 41, 60} , LP1050DC-E ^{4, 20, 33, 35, 37, 39, 40, 41, 60} , LP982-E ^{4, 20, 33, 35, 37, 40, 41, 58, 59}	FC-AL, FC-SW	Y ^{26, 27, 28, 29, 30, 31}	
25	xSeries: x360 ¹³ , x440 ^{14, 15}	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{3,17}	QLogic: QLA2200F-EMC ^{4, 9} , QLA2310F-E-SP, QLA2340-E-SP	FC-AL, FC-SW	N	
26	xSeries x440 ^{14, 15}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 3, 17} , v2.4.9-E.12 ^{3, 17} , v2.4.9-E.16 ^{3, 17} , v2.4.9-E.3 ^{1, 2, 3, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3, 17} , v2.4.9-e.16 ^{3, 17}	QLogic: QLA2200F-EMC ^{4, 6, 8, 9} , QLA2310F-E-SP ^{4, 6, 8, 9} , QLA2340-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	N	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
27	xSeries x440 ^{14, 15}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 3, 17} , v2.4.9-E.12 ^{3, 17} , v2.4.9-E.16 ^{3, 17} , v2.4.9-E.31 ^{2, 3, 16} , v2.4.9-E.9 ^{2, 3, 17} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3, 17} , v2.4.9-e.16 ^{3, 17}	IBM: 00N6881 (QLA2200) ^{4, 5, 6, 7, 8, 9} 19K1246(QLA2310) ^{4, 6, 7, 8, 9, 11, 24P0960(QLA2340)^{4, 6, 7, 8, 9, 12}}	FC-AL, FC-SW	N	
28	xSeries x440 ^{14, 15}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 3, 17} , v2.4.9-E.12 ^{3, 17} , v2.4.9-E.16 ^{3, 17} , v2.4.9-E.31 ^{2, 3, 16} , v2.4.9-E.9 ^{3, 17} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3, 17} , v2.4.9-e.16 ^{3, 17}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
29	xSeries x360 ¹³	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 3, 17} , v2.4.9-E.12 ^{3, 17} , v2.4.9-E.16 ^{3, 17} , v2.4.9-E.31 ^{2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3, 17} , v2.4.9-e.16 ^{3, 17} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ³ 8.0 updated to v2.4.20-20.8 ³	QLogic: QLA2200F-EMC ^{4, 6, 8, 9} , QLA2310F-E-SP ^{4, 6, 8, 9} , QLA2340-E-SP ^{4, 6, 8, 9}	FC-AL, FC-SW	N	
30	xSeries x360 ¹³	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 3, 17} , v2.4.9-E.12 ^{3, 17} , v2.4.9-E.16 ^{3, 17} , v2.4.9-E.31 ^{2, 3} , v2.4.9-E.9 ^{3, 17} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3, 17} , v2.4.9-e.16 ^{3, 17} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
31	xSeries x360 ¹³	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 3, 17} , v2.4.9-E.12 ^{3, 17} , v2.4.9-E.16 ^{3, 17} , v2.4.9-E.31 ^{2, 3} , v2.4.9-E.9 ^{3, 17} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3, 17} , v2.4.9-e.16 ^{3, 17} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ³ 8.0 updated to v2.4.20-20.8 ³	IBM: 00N6881 (QLA2200) ^{4, 5, 6, 7, 8, 9} 19K1246(QLA2310) ^{4, 6, 7, 8, 9, 11, 24P0960(QLA2340)^{4, 6, 7, 8, 9, 12}}	FC-AL, FC-SW	N	
32	xSeries: x255, x360 ¹³ , x440 ^{14, 15}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 32} , v2.4.9-e.25 ^{3, 32} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 32} , v2.4.9-e.25 ^{3, 32} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{8, 19, 20, 21, 22, 33}	FC-AL, FC-SW	N	
33	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 32} , v2.4.9-e.25 ^{3, 32} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 32} , v2.4.9-e.25 ^{3, 32} , v2.4.9-e.27	QLogic: QLA2340-E-SP ^{4, 19, 21, 22} , QLA2342-E-SP ^{8, 19, 20, 21, 22, 33}	FC-AL, FC-SW	N	
34	xSeries: x255, x360 ¹³ , x440 ^{14, 15}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 32} , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ³ , v2.4.9-e.25 ³ , v2.4.9-e.27	Emulex LP982-E ^{4, 20, 33, 35, 37, 40, 41, 58, 59}	FC-AL, FC-SW	Y ^{25, 26, 27, 28, 29, 30, 31}	
35	xSeries: x255, x360 ¹³ , x440 ^{14, 15}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 32} , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ³ , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex LP9802DC-E ^{4, 20, 35, 37, 39, 40, 41}	FC-AL, FC-SW	Y	
36	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 32} , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ³ , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex LP9802DC-E ^{4, 20, 35, 37, 39, 41}	FC-AL, FC-SW	Y	
37	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 32} , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ³ , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex LP982-E ^{4, 20, 33, 35, 37, 40, 41, 58, 59}	FC-AL, FC-SW	N	
38	eServer BladeCenter HS20 (Model 8678) ⁵²	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ³ , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{56, 57}	FC-AL, FC-SW	Y	
39	eServer BladeCenter HS20 (Model 8832) ⁵²	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁵³ , v2.4.9-e.25 ⁵³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵³ , v2.4.9-e.25 ⁵³ , v2.4.9-e.27	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{56, 57}	FC-AL, FC-SW	Y	
40	xSeries: x255, x360 ¹³ , x440 ^{14, 15}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ³ , ES v2.4.9-e.27	Emulex: LP10000-E ^{4, 33, 35, 36, 37, 39, 45, 46} , LP10000DC-E ^{4, 33, 35, 36, 37, 39, 45, 46} , LP1050-E ^{4, 20, 33, 35, 37, 39, 40, 41, 60} , LP1050DC-E ^{4, 20, 33, 35, 37, 39, 40, 41, 60}	FC-AL, FC-SW	Y ^{25, 26, 27, 28, 29, 30, 31}	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
41	xSeries x235	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ³ , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex: LP1000-E ⁴ , 33, 35, 36, 37, 39, 45, 46, LP1000DC-E ⁴ , 33, 35, 36, 37, 39, 45, 46, LP1050-E ⁴ , 20, 33, 35, 37, 39, 40, 41, 60, LP1050DC-E ⁴ , 20, 33, 35, 37, 39, 40, 41, 60	FC-AL, FC-SW	N	
42	xSeries: x360, x440	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ³ , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex: LP1000-E ⁴ , 33, 35, 36, 37, 39, 45, 46, LP1000DC-E ⁴ , 33, 35, 36, 37, 39, 45, 46, LP1050-E ⁴ , 20, 33, 35, 37, 39, 40, 41, 60, LP1050DC-E ⁴ , 20, 33, 35, 37, 39, 40, 41, 60	FC-AL, FC-SW	N	See ⁴⁴
43	xSeries x360 ¹³	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ³	Emulex LP9002DC-E ⁵⁴ , 55. QLogic QLA2342-E-SP ⁴ , 9, 33	FC-AL, FC-SW	N	
44	xSeries x360 ¹³	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ³	Emulex LP9802-E	FC-AL, FC-SW	Y	
45	xSeries: x255, x360 ¹³ , x440 ^{14, 15}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex: LP1000-E ⁴ , 33, 35, 36, 37, 39, 45, 46, LP1000DC-E ⁴ , 33, 35, 36, 37, 39, 45, 46, LP1050-E ⁴ , 20, 33, 35, 37, 39, 40, 41, 60, LP1050DC-E ⁴ , 20, 33, 35, 37, 39, 40, 41, 60, LP982-E ⁴ , 20, 33, 35, 37, 40, 41, 58, 59	FC-AL, FC-SW	Y ^{26, 27, 28, 29, 30, 31}	
46	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{3, 17}	QLogic: QLA2200F-EMC ⁴ , 9, QLA2310F-E-SP, QLA2340-E-SP	FC-AL, FC-SW	N	
47	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 3, 17} , v2.4.9-E.12 ^{3, 17} , v2.4.9-E.16 ^{3, 17} , v2.4.9-E.31 ^{1, 2, 3, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3, 17} , v2.4.9-e.16 ^{3, 17}	QLogic: QLA2200F-EMC ⁴ , 6, 8, 9, QLA2310F-E-SP ⁴ , 6, 8, 9, QLA2340-E-SP ⁴ , 6, 8, 9	FC-AL, FC-SW	N	
48	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 3, 17} , v2.4.9-E.12 ^{3, 17} , v2.4.9-E.16 ^{3, 17} , v2.4.9-E.31 ^{1, 2, 3, 16} , v2.4.9-E.9 ^{2, 3, 17} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3, 17} , v2.4.9-e.16 ^{3, 17}	IBM: 00N6881 (QLA2200) ⁴ , 5, 6, 7, 8, 9, 19K1246(QLA2310) ⁴ , 6, 7, 8, 9, 11, 24P0960(QLA2340) ⁴ , 6, 7, 8, 9, 12	FC-AL, FC-SW	N	
49	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 3, 17} , v2.4.9-E.12 ^{3, 17} , v2.4.9-E.16 ^{3, 17} , v2.4.9-E.31 ^{1, 2, 3, 16} , v2.4.9-E.9 ^{2, 3, 17} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3, 17} , v2.4.9-e.16 ^{3, 17}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
50	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 32} , v2.4.9-e.25 ^{3, 32} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 32} , v2.4.9-e.25 ^{3, 32} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{8, 19, 20, 21, 22, 33}	FC-AL, FC-SW	N	
51	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 32} , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ³ , v2.4.9-e.25 ³ , v2.4.9-e.27	Emulex LP982-E ⁴ , 20, 33, 35, 37, 40, 41, 58, 59	FC-AL, FC-SW	Y ^{25, 26, 27, 28, 29, 30, 31}	
52	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 32} , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ³ , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex LP9802DC-E ⁴ , 20, 35, 37, 39, 40, 41	FC-AL, FC-SW	Y	
53	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 32} , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ³ , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex LP9802DC-E ⁴ , 20, 35, 37, 39, 41	FC-AL, FC-SW	Y	
54	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 32} , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ³ , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex LP982-E ⁴ , 20, 33, 35, 37, 40, 41, 58, 59	FC-AL, FC-SW	N	
55	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ³ , ES v2.4.9-e.27	Emulex: LP1000-E ⁴ , 33, 35, 36, 37, 39, 45, 46, LP1000DC-E ⁴ , 33, 35, 36, 37, 39, 45, 46, LP1050-E ⁴ , 20, 33, 35, 37, 39, 40, 41, 60, LP1050DC-E ⁴ , 20, 33, 35, 37, 39, 40, 41, 60	FC-AL, FC-SW	Y ^{25, 26, 27, 28, 29, 30, 31}	
56	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ³ , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex: LP1000-E ⁴ , 33, 35, 36, 37, 39, 45, 46, LP1000DC-E ⁴ , 33, 35, 36, 37, 39, 45, 46, LP1050-E ⁴ , 20, 33, 35, 37, 39, 40, 41, 60, LP1050DC-E ⁴ , 20, 33, 35, 37, 39, 40, 41, 60	FC-AL, FC-SW	N	
57	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ³ , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex: LP1000-E ⁴ , 33, 35, 36, 37, 39, 45, 46, LP1000DC-E ⁴ , 33, 35, 36, 37, 39, 45, 46, LP1050-E ⁴ , 20, 33, 35, 37, 39, 40, 41, 60, LP1050DC-E ⁴ , 20, 33, 35, 37, 39, 40, 41, 60	FC-AL, FC-SW	N	See ⁴⁴
58	xSeries x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex: LP1000-E ⁴ , 33, 35, 36, 37, 39, 45, 46, LP1000DC-E ⁴ , 33, 35, 36, 37, 39, 45, 46, LP1050-E ⁴ , 20, 33, 35, 37, 39, 40, 41, 60, LP1050DC-E ⁴ , 20, 33, 35, 37, 39, 40, 41, 60, LP982-E ⁴ , 20, 33, 35, 37, 40, 41, 58, 59	FC-AL, FC-SW	Y ^{26, 27, 28, 29, 30, 31}	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
59	Netfinity 7000 M10 ³⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , 32, v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , 32, v2.4.9–e.27	QLogic QLA2340–E–SP ⁴ , 19, 21, 22	FC–AL, FC–SW ²⁰	Y ^{10, 23, 24, 25, 26, 27, 28, 29, 30, 31}	
60	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , 32, v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , 32, v2.4.9–e.27	QLogic QLA2340–E–SP ⁴ , 19, 21, 22	FC–AL, FC–SW ²⁰	N	
61	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , 32, v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , 32, v2.4.9–e.27	QLogic QLA2340–E–SP ⁴ , 19, 21, 22	FC–AL, FC–SW ²⁰	Y ^{23, 24, 25, 26, 27, 28, 29, 30, 31}	
62	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , 32, v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , 32, v2.4.9–e.27	QLogic QLA2340–E–SP ⁴ , 19, 21, 22	FC–AL, FC–SW ²⁰	Y ^{24, 25, 26, 27, 28, 29, 30, 31}	
63	xSeries x255	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , 32, v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , 32, v2.4.9–e.27	QLogic QLA2340–E–SP ⁴ , 19, 21, 22	FC–AL, FC–SW ²⁰	Y ^{13, 23, 24, 25, 26, 27, 28, 29, 30, 31}	
64	xSeries: x360 ¹³ , x440 ^{14, 15}	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , 32, v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , 32, v2.4.9–e.27	QLogic QLA2340–E–SP ⁴ , 19, 21, 22	FC–AL, FC–SW ²⁰	Y ^{23, 24, 25, 26, 27, 28, 29, 30, 31}	
65	xSeries x445	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , 32, v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , 32, v2.4.9–e.27	QLogic QLA2340–E–SP ⁴ , 19, 21, 22	FC–AL, FC–SW ²⁰	Y ^{23, 24, 25, 26, 27, 28, 29, 30, 31}	
66	Netfinity 8500; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27 ³ ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8³	Emulex LP9802–E ^{20, 35, 37, 39, 40, 41}	FC–AL, FC–SW ³³	Y	
67	xSeries: x235, x255, x360 ¹³	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27 ³ ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8³	Emulex LP9802–E ^{20, 35, 37, 39, 40, 41}	FC–AL, FC–SW ³³	Y	
68	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27	Emulex LP9002DC–E ^{4, 20, 33, 35, 39, 40, 41, 42, 43}	FC–AL, FC–SW ^{33, 36}	Y ^{25, 26, 27, 28, 29, 30, 31}	
69	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8³	Emulex LP9002DC–E ^{4, 20, 33, 35, 39, 40, 41, 42, 43}	FC–AL, FC–SW ^{33, 36}	N	
70	Netfinity 8500R; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27 ³ ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8³	Emulex LP9802–E ^{20, 35, 37, 39, 40, 41}	FC–AL, FC–SW ^{33, 36}	Y	
71	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8³	Emulex LP9002DC–E ^{4, 20, 33, 35, 39, 40, 41, 42, 43}	FC–AL, FC–SW ^{33, 36}	Y ^{24, 25, 26, 27, 28, 29, 30, 31, 61}	
72	xSeries: x255, x360 ¹³ , x440 ^{14, 15}	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27	Emulex LP9002DC–E ^{4, 20, 33, 35, 39, 40, 41, 42, 43}	FC–AL, FC–SW ^{33, 36}	Y ^{25, 26, 27, 28, 29, 30, 31}	
73	xSeries x235	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , 32, v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8³	Emulex: LP9002–E (LP9002L–E) ^{4, 20, 35, 37, 38, 39, 41, LP9002DC–E^{4, 20, 33, 35, 39, 40, 41, 42, 43}}	FC–AL, FC–SW ^{33, 36}	N	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
74	xSeries x440 ^{14, 15}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27 ³ ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ³	Emulex LP9802–E ^{20, 35, 37, 39, 40, 41}	FC-AL, FC-SW ^{34, 36}	Y	
75	xSeries x255	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ³	Emulex LP9002DC–E ^{4, 20, 33, 35, 39, 40, 41, 42, 43}	FC-AL, FC-SW ^{34, 36}	Y ^{13, 24, 25, 26, 27, 28, 29, 30, 31, 61}	
76	xSeries: x360 ¹³ , x440 ^{14, 15}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ³	Emulex LP9002DC–E ^{4, 20, 33, 35, 39, 40, 41, 42, 43}	FC-AL, FC-SW ^{34, 36}	Y ^{24, 25, 26, 27, 28, 29, 30, 31, 61}	
77	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{3, 32} , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27	Emulex LP9002DC–E ^{4, 20, 33, 35, 39, 40, 41, 42, 43}	FC-AL, FC-SW ^{34, 36}	Y ^{25, 26, 27, 28, 29, 30, 31}	
78	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{3, 32} , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ³	Emulex LP9002DC–E ^{4, 20, 33, 35, 39, 40, 41, 42, 43}	FC-AL, FC-SW ^{34, 36}	N	
79	xSeries: x345, x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27 ³ ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ³	Emulex LP9802–E ^{20, 35, 37, 39, 40, 41}	FC-AL, FC-SW ^{34, 36}	Y	
80	xSeries x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ³	Emulex LP9002DC–E ^{4, 20, 33, 35, 39, 40, 41, 42, 43}	FC-AL, FC-SW ^{34, 36}	Y ^{24, 25, 26, 27, 28, 29, 30, 31, 61}	
81	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{3, 32} , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{4, 20, 35, 37, 38, 39, 40, 41}	FC-AL, FC-SW ^{34, 36}	Y ^{25, 26, 27, 28, 29, 30, 31}	
82	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{3, 32} , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ³	Emulex LP9002–E (LP9002L–E) ^{4, 20, 35, 37, 38, 39, 41}	FC-AL, FC-SW ^{34, 36}	N	
83	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹³ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ³	Emulex LP9002–E (LP9002L–E) ^{4, 20, 35, 37, 38, 39, 40, 41}	FC-AL, FC-SW ^{34, 36}	Y ^{24, 25, 26, 27, 28, 29, 30, 31, 61}	
84	xSeries: x255, x360 ¹³ , x440 ^{14, 15}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{3, 32} , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{4, 20, 35, 37, 38, 39, 40, 41}	FC-AL, FC-SW ^{34, 36}	Y ^{25, 26, 27, 28, 29, 30, 31}	
85	xSeries x255	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ³	Emulex LP9002–E (LP9002L–E) ^{4, 20, 35, 37, 38, 39, 40, 41}	FC-AL, FC-SW ^{34, 36}	Y ^{13, 24, 25, 26, 27, 28, 29, 30, 31, 61}	
86	xSeries: x360 ¹³ , x440 ^{14, 15}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ³	Emulex LP9002–E (LP9002L–E) ^{4, 20, 35, 37, 38, 39, 40, 41}	FC-AL, FC-SW ^{34, 36}	Y ^{24, 25, 26, 27, 28, 29, 30, 31, 61}	
87	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{3, 32} , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{4, 20, 35, 37, 38, 39, 40, 41}	FC-AL, FC-SW ^{34, 36}	Y ^{25, 26, 27, 28, 29, 30, 31}	
88	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{3, 32} , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ³	Emulex LP9002–E (LP9002L–E) ^{4, 20, 35, 37, 38, 39, 41}	FC-AL, FC-SW ^{34, 36}	N	
89	xSeries x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ³	Emulex LP9002–E (LP9002L–E) ^{4, 20, 35, 37, 38, 39, 40, 41}	FC-AL, FC-SW ^{34, 36}	Y ^{24, 25, 26, 27, 28, 29, 30, 31, 61}	
90	eServer BladeCenter HS20 (Model 8678) ⁵²	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ³ , v2.4.9–e.25 ³ , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	IBM HS20 FC Exp Card(48P7061) with Optical Pass–thru Module: 02R9080 ^{47, 48, 49, 50, 51} , 02R9080 ^{49, 50}	FC-SW	Y	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
91	eServer BladeCenter HS20 (Model 8832) ⁵²	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁵³ , v2.4.9-e.25 ⁵³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁵³ , v2.4.9-e.25 ⁵³ , v2.4.9-e.27	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{47, 48, 49, 50, 51} , 02R9080 ^{49, 50}	FC-SW	Y	

1. The kernel version listed is included in the corresponding standard distributed release.
 2. Supported with QLogic driver v6.05.00.
 3. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
 4. Host must be offline for interfamily Symmetrix microcode upgrade.
 5. (QLA2200) For IBM xSeries and Netfinity servers only.
 6. **BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
 7. Driver Version v6.04.02.
 8. Driver Version v6.05.00.
 9. Driver Version v6.x series. Supports persistent binding and only supports Class 3.
 10. This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
 11. This HBA is equivalent to the qLogic QLA2310.
 12. This HBA is equivalent to the qLogic QLA2340.
 13. PowerPath v3.02 not supported on this system.
 14. This system is supported with Red Hat 2.1 Advanced Server v2.4.9-E.3 and updated with v2.4.9-E.9, E.10, and E.12 RPMs.
 15. PowerPath v3.0.2 b069 is not supported on this system.
 16. This kernel is limited to 110 devices, not 128.
 17. This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
 18. Requires v6.05 or higher Navisphere host agent/CLI.
 19. Driver Version v6.04.01.
 20. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
 21. **QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
 22. Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
 23. Requires QLogic driver 4.47.18 driver disk, dd.img-i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
 24. Only one HBA is qualified for use in the Linux host when booting from the CLARiON via fabric.
 25. Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
 26. Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
 27. No MirrorView or SnapView used on boot LUNs.
 28. EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
 29. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
 30. Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
 31. For any CLARiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
 32. This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
 33. Single HBA zoning is required regardless of the switch being utilized.
 34. This server only supports 5 Volt HBAs: qLogic 22XX family, qLogic 23XX family, Emulex LP8000, and Emulex LP850
 35. Driver Version 1.23a.
 36. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
 37. FCode value 1.63a2.
 38. The LP9002-E now ships with the LP9002L-E low profile adapter.
 39. **QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
 40. Emulex driver and BIOS available from <http://www.emulex.com>.
 41. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
 42. Firmware Version 3.90a7.
 43. FCode value 1.63a.
 44. Linux v2.4.x Kernels support a maximum of 128 devices per system.
 45. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
 46. Firmware Version 1.80a2.
 47. Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.
 48. **Due to the HS20's embedded FC-SW design, EMC Access Logix is required to assign LUNS to each individual blade server.**
 49. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"
- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
50. **Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
 51. Driver Version 6.04.01.
 52. EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
 53. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
 54. Driver Version v1.22e.
 55. Firmware Version v3.90a7.
 56. **Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)**
 57. **Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.**
 58. **QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
 59. Firmware Version 1.02a0.
 60. Firmware Version 1.80a3.
 61. **Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.**

NEC

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ³⁷ , 320Lb ³⁷ , 320Mc-R, 330Ma-R, 330Mb-R ^{38, 39} , 340Ha-R ^{38, 39}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{10, 11} , v2.4.9-e.25 ^{10, 11} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{10, 11} , v2.4.9-e.25 ^{10, 11} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{12, 13, 15, 16, 17, 18}	FC-AL, FC-SW	N	
2	Express 5800: 120Md, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Hb, 140Hd, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ³⁷ , 320Lb ³⁷ , 320Mc-R, 330Ma-R, 330Mb-R ^{38, 39} , 340Ha-R ^{38, 39}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{10, 11} , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27	Emulex LP9802DC-E ^{12, 14, 19, 20, 21, 22, 23}	FC-AL, FC-SW	Y	

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
3	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ³⁷ , 320Lb ³⁷ , 320Mc-R, 330Ma-R, 330Mb-R ^{38, 39} , 340Ha-R ^{38, 39}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{10, 11} , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27	Emulex LP982-E ^{12, 14, 17, 19, 20, 21, 22, 33, 34}	FC-AL, FC-SW	y3, 4, 5, 6, 7, 8, 9	
4	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{10, 11} , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹⁰	Emulex LP9802DC-E ^{12, 14, 19, 20, 21, 22, 23}	FC-AL, FC-SW	Y	
5	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ³⁷ , 320Lb ³⁷ , 320Mc-R, 330Ma-R, 330Mb-R ^{38, 39} , 340Ha-R ^{38, 39}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ¹⁰ , ES v2.4.9-e.27	Emulex: LP10000-E ^{14, 17, 19, 20, 23, 24, 29, 30} , LP10000DC-E ^{14, 17, 19, 20, 23, 24, 29, 30} , LP1050-E ^{12, 14, 17, 19, 20, 21, 22, 23, 35} , LP1050DC-E ^{12, 14, 17, 19, 20, 21, 22, 23, 35}	FC-AL, FC-SW	y3, 4, 5, 6, 7, 8, 9	
6	Express 5800: 120Md, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Hb, 140Hd, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ³⁷ , 320Lb ³⁷ , 320Mc-R, 330Ma-R, 330Mb-R ^{38, 39} , 340Ha-R ^{38, 39}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ¹⁰ , ES v2.4.9-e.27	Emulex: LP10000-E ^{14, 17, 19, 20, 23, 24, 29, 30} , LP10000DC-E ^{14, 17, 19, 20, 23, 24, 29, 30} , LP1050-E ^{12, 14, 17, 19, 20, 21, 22, 23, 35} , LP1050DC-E ^{12, 14, 17, 19, 20, 21, 22, 23, 35}	FC-AL, FC-SW	N	See ²⁸
7	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ¹⁰ , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹⁰	Emulex: LP10000-E ^{14, 17, 19, 20, 23, 24, 29, 30} , LP10000DC-E ^{14, 17, 19, 20, 23, 24, 29, 30} , LP1050-E ^{12, 14, 17, 19, 20, 21, 22, 23, 35} , LP1050DC-E ^{12, 14, 17, 19, 20, 21, 22, 23, 35}	FC-AL, FC-SW	N	See ²⁸
8	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4, 180Rc-4	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ¹⁰	Emulex LP9002DC-E ^{31, 32}	FC-AL, FC-SW	N	
9	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4, 180Rc-4	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ¹⁰	Emulex LP9802-E	FC-AL, FC-SW	Y	
10	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹⁰	Emulex: LP10000-E ^{14, 17, 19, 20, 23, 24, 29, 30} , LP10000DC-E ^{14, 17, 19, 20, 23, 24, 29, 30} , LP1050-E ^{12, 14, 17, 19, 20, 21, 22, 23, 35} , LP1050DC-E ^{12, 14, 17, 19, 20, 21, 22, 23, 35} , LP982-E ^{12, 14, 17, 19, 20, 21, 22, 33, 34}	FC-AL, FC-SW	y4, 5, 6, 7, 8, 9	
11	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{10, 11} , v2.4.9-e.25 ^{10, 11} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ^{10, 11} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{12, 13, 15, 16, 17, 18}	FC-AL, FC-SW	N	
12	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{10, 11} , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27	Emulex LP9802DC-E ^{12, 14, 19, 20, 21, 22, 23}	FC-AL, FC-SW	Y	
13	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{10, 11} , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27	Emulex LP982-E ^{12, 14, 17, 19, 20, 21, 22, 33, 34}	FC-AL, FC-SW	y3, 4, 5, 6, 7, 8, 9	
14	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ¹⁰ , ES v2.4.9-e.27	Emulex: LP10000-E ^{14, 17, 19, 20, 23, 24, 29, 30} , LP10000DC-E ^{14, 17, 19, 20, 23, 24, 29, 30} , LP1050-E ^{12, 14, 17, 19, 20, 21, 22, 23, 35} , LP1050DC-E ^{12, 14, 17, 19, 20, 21, 22, 23, 35}	FC-AL, FC-SW	N	See ²⁸
15	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ¹⁰ , ES v2.4.9-e.27	Emulex: LP10000-E ^{14, 17, 19, 20, 23, 24, 29, 30} , LP10000DC-E ^{14, 17, 19, 20, 23, 24, 29, 30} , LP1050-E ^{12, 14, 17, 19, 20, 21, 22, 23, 35} , LP1050DC-E ^{12, 14, 17, 19, 20, 21, 22, 23, 35}	FC-AL, FC-SW	y3, 4, 5, 6, 7, 8, 9	
16	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ³⁷ , 320Lb ³⁷ , 320Mc-R, 330Ma-R, 330Mb-R ^{38, 39} , 340Ha-R ^{38, 39}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{10, 11} , v2.4.9-e.25 ^{10, 11} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ^{10, 11} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{13, 14, 15, 16}	FC-AL, FC-SW	y1, 2, 3, 4, 5, 6, 7, 8, 9	

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
17	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{10, 11} , v2.4.9-e.25 ^{10, 11} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{10, 11} , v2.4.9-e.25 ^{10, 11} , v2.4.9-e.27	QLogic QLA2340-E-Sp ^{13, 14, 15, 16}	FC-AL, FC-SW ¹⁷	Y ^{1, 2, 3, 4, 5, 6, 7, 8, 9}	
18	Express 5800: 120Md, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Hb, 140Hd, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 140Rb-7, 140Rc-4, 320La, 320La-R, 320Lb-R ³⁷ , 320Lb ³⁷ , 320Mc-R, 330Ma-R, 330Mb-R ^{38, 39} , 340Ha-R ^{38, 39}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27 ¹⁰ ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27	Emulex LP9802-E ^{12, 19, 20, 21, 22, 23}	FC-AL, FC-SW ¹⁷	Y	
19	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27 ¹⁰ ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹⁰	Emulex LP9802-E ^{12, 19, 20, 21, 22, 23}	FC-AL, FC-SW ¹⁷	Y	
20	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27 ¹⁰ ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27	Emulex LP9802-E ^{12, 19, 20, 21, 22, 23}	FC-AL, FC-SW ¹⁷	Y	
21	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 140Ha, 140Rb-7, 140Rc-4, 320La, 320La-R, 320Lb-R ³⁷ , 320Lb ³⁷ , 320Mc-R, 330Ma-R, 330Mb-R ^{38, 39} , 340Ha-R ^{38, 39}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{10, 11} , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27	Emulex LP9002DC-E ^{12, 14, 17, 20, 21, 22, 23, 26, 27}	FC-AL, FC-SW ^{17, 24}	Y ^{3, 4, 5, 6, 7, 8, 9}	
22	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹⁰	Emulex LP9002DC-E ^{12, 14, 17, 20, 21, 22, 23, 26, 27}	FC-AL, FC-SW ^{17, 24}	Y ^{2, 3, 4, 5, 6, 7, 8, 9, 36}	
23	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{10, 11} , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27	Emulex LP9002DC-E ^{12, 14, 17, 20, 21, 22, 23, 26, 27}	FC-AL, FC-SW ^{17, 24}	Y ^{3, 4, 5, 6, 7, 8, 9}	
24	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 140Ha, 140Rb-7, 140Rc-4, 320La, 320La-R, 320Lb-R ³⁷ , 320Lb ³⁷ , 320Mc-R, 330Ma-R, 330Mb-R ^{38, 39} , 340Ha-R ^{38, 39}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{10, 11} , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ^{12, 14, 19, 20, 21, 22, 23, 25}	FC-AL, FC-SW ^{17, 24}	Y ^{3, 4, 5, 6, 7, 8, 9}	
25	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹⁰	Emulex LP9002-E (LP9002L-E) ^{12, 14, 19, 20, 21, 22, 23, 25}	FC-AL, FC-SW ^{17, 24}	Y ^{2, 3, 4, 5, 6, 7, 8, 9, 36}	
26	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{10, 11} , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ¹⁰ , v2.4.9-e.25 ¹⁰ , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ^{12, 14, 19, 20, 21, 22, 23, 25}	FC-AL, FC-SW ^{17, 24}	Y ^{3, 4, 5, 6, 7, 8, 9}	

- Requires QLogic driver 4.47.18 driver disk, dd.img-i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Only one HBA is qualified for use in the Linux host when booting from the CLARiiON via fabric.
- Optical cables apply to CX600, CX400, CX200, FC4500, FC4500, FC5300 with MIA.
- Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPK.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Driver Version v6.04.01.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.

16. **QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
17. Single HBA zoning is required regardless of the switch being utilized.
18. Driver Version v6.05.00.
19. FCode value 1.63a2.
20. Driver Version 1.23a.
21. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
22. Emulex driver and BIOS available from <http://www.emulex.com>.
23. **QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
24. FC–AL and FC–SW can run concurrently on separate HBAs on the same Host.
25. The LP9002–E now ships with the LP9002L–E low profile adapter.
26. FCode value 1.63a.
27. Firmware Version 3.90a7.
28. Linux v2.4.x Kernels support a maximum of 128 devices per system.
29. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
30. Firmware Version 1.80a2.
31. Firmware Version v3.90a7.
32. Driver Version v1.22e.
33. Firmware Version 1.02a0.
34. **QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
35. Firmware Version 1.80a3.
36. **Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.**
37. **Supports Stratus OS 2.0.X through 2.1.X.**
38. **Supports Stratus OS 1.3.X through 2.1.X.**
39. **Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.**

SUPERMICRO

SUPERMICRO – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Super: P3TDL3 ⁶ , S2DL3 ⁶	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{3, 4, 5, 7, 8, 9, 10, 11} , LP10000DC–E ^{3, 4, 5, 7, 8, 9, 10, 11} , LP1050–E ^{4, 5, 7, 10, 11, 12, 13, 14, 15} , LP1050DC–E ^{4, 5, 7, 10, 11, 12, 13, 14, 15}	FC–AL, FC–SW	N	See ¹

1. Linux v2.4.x Kernels support a maximum of 128 devices per system.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
3. Firmware Version 1.80a2.
4. FCode value 1.63a2.
5. Driver Version 1.23a.
6. 64-bit slots for 3.3v HBAs only.
7. Single HBA zoning is required regardless of the switch being utilized.
8. FC–AL and FC–SW can run concurrently on separate HBAs on the same Host.
9. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
10. **QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
11. Host must be offline for interfamily Symmetrix microcode upgrade.
12. **FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.**
13. **The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.**
14. **Emulex driver and BIOS available from <http://www.emulex.com>.**
15. Firmware Version 1.80a3.

Red Hat Linux IA64 Bull

Bull – Red Hat Linux IA64							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	
1	NovaScale: 4020 (Itanium2), 4040 (Itanium2), 5080 (Itanium2), 5160 (Itanium2)	PCI–X	Red Hat Linux IA64 2.1 AS updated to v2.4.18–e.37	Emulex LP9802–E ^{4, 5, 6, 7}	FC–AL, FC–SW	N	
2	NovaScale: 4020 (Itanium2), 4040 (Itanium2), 5080 (Itanium2), 5160 (Itanium2)	PCI–X	Red Hat Linux IA64 2.1 AS updated to v2.4.18–e.37	QLogic QLA2340–E–SP ^{1, 2, 3}	FC–AL, FC–SW	Y	

1. Host must be offline for interfamily Symmetrix microcode upgrade.
2. BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
3. Driver Version v6.05.00.
4. **QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
5. FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
6. Emulex driver and BIOS available from <http://www.emulex.com>.
7. Driver Version Emulex Open Source driver v1.22e.

Dell

Dell – Red Hat Linux IA64							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	
1	PowerEdge 3250 (Itanium 2)	PCI–X	Red Hat Linux IA64 2.1 AS updated to v2.4.18–e.37	Emulex: LP9002–E (LP9002L–E) ^{4, 5, 6, 7} , LP9002DC–E ^{4, 5, 6, 7, 8} , LP9802–E ^{4, 5, 6, 7} , LP9802DC–E ^{4, 5, 6, 9}	FC–AL, FC–SW	N	
2	PowerEdge 3250 (Itanium 2)	PCI–X	Red Hat Linux IA64 2.1 AS updated to v2.4.18–e.37	QLogic: QLA2310F–E–SP ^{1, 2, 3} , QLA2340–E–SP ^{1, 2, 3} , QLA2342–E–SP ^{1, 2}	FC–AL, FC–SW	Y	
3	PowerEdge 3250 (Itanium 2)	PCI–X	Red Hat Linux IA64 2.1 AS updated to v2.4.18–e.37 ¹⁰	Emulex: LP10000–E ^{3, 4, 5, 6, 9, 11, 13} , LP10000DC–E ^{3, 4, 5, 6, 9, 11, 12, 13}	FC–AL, FC–SW	N	

1. BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
2. Driver Version v6.05.00.
3. Host must be offline for interfamily Symmetrix microcode upgrade.
4. **QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
5. FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
6. Emulex driver and BIOS available from <http://www.emulex.com>.
7. Driver Version Emulex Open Source driver v1.22e.
8. Firmware Version 3.82a1.
9. Driver Version 1.22e.
10. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
11. Single HBA zoning is required regardless of the switch being utilized.
12. FC–AL and FC–SW can run concurrently on separate HBAs on the same Host.
13. Firmware Version 1.80a2.

HPQ

HPQ – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Integrity: RX2600 (Itanium2), RX5670 (Itanium2)	PCI, PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	QLogic: QLA2340-E-SP ^{1, 2, 3} , QLA2342-E-SP ^{1, 2}	FC-AL, FC-SW	Y

1. BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
2. Driver Version v6.05.00.
3. Host must be offline for interfamily Symmetrix microcode upgrade.

IBM

IBM – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	xSeries x450	PCI, PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	Emulex: LP9002-E (LP9002L-E) ^{4, 5, 6, 7} , LP9002DC-E ^{4, 5, 6, 7, 8} , LP9802-E ^{4, 5, 6, 7} , LP9802DC-E ^{4, 5, 6, 9}	FC-AL, FC-SW	N
2	xSeries x450	PCI, PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	QLogic: QLA2310F-E-SP ^{1, 2, 3} , QLA2340-E-SP ^{1, 2, 3} , QLA2342-E-SP ^{1, 2}	FC-AL, FC-SW	Y
3	xSeries x450	PCI, PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37 ¹⁰	Emulex: LP10000-E ^{3, 4, 5, 6, 9, 11, 13} , LP10000DC-E ^{3, 4, 5, 6, 9, 11, 12, 13}	FC-AL, FC-SW	N

1. Driver Version v6.05.00.
2. BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
3. Host must be offline for interfamily Symmetrix microcode upgrade.
4. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
5. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
6. Emulex driver and BIOS available from <http://www.emulex.com>.
7. Driver Version Emulex Open Source driver v1.22e.
8. Firmware Version 3.82a1.
9. Driver Version 1.22e.
10. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
11. Single HBA zoning is required regardless of the switch being utilized.
12. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
13. Firmware Version 1.80a2.

SGI IRIX
SGI

SGI – SGI IRIX						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Origin: 300, 3000	PCI	SGI IRIX: 6.5.17, 6.5.18	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B, XT-FC-1P-OPT-A	FC-AL, FC-SW	N
2	Origin 200	PCI	SGI IRIX: 6.5.17, 6.5.18	SGI: PCI-FC-1P-OPT-A, XT-FC-1P-OPT-A	FC-AL, FC-SW	N
3	Origin 2000	PCI, XIO	SGI IRIX: 6.5.17, 6.5.18	SGI: PCI-FC-1P-OPT-A, XT-FC-1P-OPT-A	FC-AL, FC-SW	N

SuSE Linux
Dell

Dell – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge 1650	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Emulex LP982-E ^{5, 6, 12, 13, 14, 15, 16, 17, 18} QLogic: QLA2310F-E-SP ^{4, 5, 6, 7, 11} , QLA2340-E-SP ^{4, 5, 6, 7, 11} , QLA2342-E-SP ^{4, 5, 6, 7, 8}	FC-AL, FC-SW	N	See ¹
2	PowerEdge 1650 ²⁸	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Emulex: LP10000-E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} , LP10000DC-E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} , LP1050-E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} , LP1050DC-E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} , LP9002-E (LP9002L-E) ^{5, 6, 12, 13, 14, 16, 18, 19, 29} , LP9002DC-E ^{5, 6, 12, 13, 14, 16, 18, 19, 29} , LP9802-E ^{5, 6, 12, 13, 14, 16, 17, 18, 19} , LP9802DC-E ^{5, 6, 12, 13, 14, 16, 17, 18, 19}	FC-AL, FC-SW	N	See ¹
3	PowerEdge: 1550 ²⁸ , 2300 ²⁸ , 2400, 2450 ²⁸ , 2500 ²⁸ , 2550 ^{10, 28} , 4400 ²⁸ , 6100 ²⁸ , 6300 ²⁸ , 6350 ²⁸ , 6400 ²⁸ , 6450 ²⁸ , 8450 ²⁸	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Emulex: LP10000-E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} , LP10000DC-E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} , LP1050-E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} , LP1050DC-E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} , LP9002-E (LP9002L-E) ^{5, 6, 12, 13, 14, 16, 18, 19, 29} , LP9002DC-E ^{5, 6, 12, 13, 14, 16, 18, 19, 29} , LP9802-E ^{5, 6, 12, 13, 14, 16, 17, 18, 19} , LP9802DC-E ^{5, 6, 12, 13, 14, 16, 17, 18, 19}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 27}	

Dell – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
4	PowerEdge: 2400, 4300	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP10000DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP1050–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP1050DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP9002–E (LP9002L–E) ^{5, 6, 12, 13, 14, 16, 18, 19, 29} LP9002DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 29} LP9802–E ^{5, 6, 12, 13, 14, 16, 17, 18, 19} LP9802DC–E ^{5, 6, 12, 13, 14, 16, 17, 18, 19} LP982–E ^{5, 6, 12, 13, 14, 15, 16, 17, 18} QLogic: QLA2200F–EMC ^{4, 6, 7, 9} QLA2310F–E–SP ^{4, 5, 6, 7, 11} QLA2340–E–SP ^{4, 5, 6, 7, 11}	FC–AL, FC–SW	N	
5	PowerVault: 750N, 755N, 775N	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP10000DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP1050–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP1050DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP9002–E (LP9002L–E) ^{5, 6, 12, 13, 14, 16, 18, 19, 29} LP9002DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 29} LP9802–E ^{5, 6, 12, 13, 14, 16, 17, 18, 19} LP9802DC–E ^{5, 6, 12, 13, 14, 16, 17, 18, 19} LP982–E ^{5, 6, 12, 13, 14, 15, 16, 17, 18} QLogic: QLA2310F–E–SP ^{4, 5, 6, 7, 11} QLA2340–E–SP ^{4, 5, 6, 7, 11}	FC–AL, FC–SW	N	See ¹
6	PowerEdge: 1550, 2300, 2450, 2500, 2550 ¹⁰ , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP10000DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP1050–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP1050DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP9002–E (LP9002L–E) ^{5, 6, 12, 13, 14, 16, 18, 19, 29} LP9002DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 29} LP9802–E ^{5, 6, 12, 13, 14, 16, 17, 18, 19} LP9802DC–E ^{5, 6, 12, 13, 14, 16, 17, 18, 19} LP982–E ^{5, 6, 12, 13, 14, 15, 16, 17, 18} QLogic: QLA2310F–E–SP ^{4, 5, 6, 7, 11} QLA2340–E–SP ^{4, 5, 6, 7, 11} QLA2342–E–SP ^{4, 5, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
7	PowerEdge: 2300, 2450, 2500, 2550 ¹⁰ , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic: QLA2200F–EMC ^{4, 6, 7, 9}	FC–AL, FC–SW	N	
8	PowerEdge 4600	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex LP982–E ^{5, 6, 12, 13, 14, 15, 16, 17, 18} QLogic: QLA2310F–E–SP ^{4, 5, 6, 7, 11} QLA2340–E–SP ^{4, 5, 6, 7, 11} QLA2342–E–SP ^{4, 5, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
9	PowerEdge 4600 ²⁸	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP10000DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP1050–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP1050DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP9002–E (LP9002L–E) ^{5, 6, 12, 13, 14, 16, 18, 19, 29} LP9002DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 29} LP9802–E ^{5, 6, 12, 13, 14, 16, 17, 18, 19} LP9802DC–E ^{5, 6, 12, 13, 14, 16, 17, 18, 19}	FC–AL, FC–SW	N	See ¹

Dell – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
10	PowerEdge: 2600 ²⁸ , 2650, 6600 ²⁸ , 6650	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP10000DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP1050–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP1050DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP9002–E (LP9002L–E) ^{5, 6, 12, 13, 14, 16, 18, 19, 29} LP9002DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 29} LP9802–E ^{5, 6, 12, 13, 14, 16, 17, 18, 19} LP9802DC–E ^{5, 6, 12, 13, 14, 16, 17, 18, 19}	FC–AL, FC–SW	y21, 22, 23, 24, 25, 26, 27	
11	PowerEdge: 1750, 2600, 2650, 6600, 6650	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP10000DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP1050–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP1050DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 20} LP9002–E (LP9002L–E) ^{5, 6, 12, 13, 14, 16, 18, 19, 29} LP9002DC–E ^{5, 6, 12, 13, 14, 16, 18, 19, 29} LP9802–E ^{5, 6, 12, 13, 14, 16, 17, 18, 19} LP9802DC–E ^{5, 6, 12, 13, 14, 16, 17, 18, 19} LP982–E ^{5, 6, 12, 13, 14, 15, 16, 17, 18} QLogic: QLA2310F–E–SP ^{4, 5, 6, 7, 11} , QLA2340–E–SP ^{4, 5, 6, 7, 11} , QLA2342–E–SP ^{4, 5, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
12	PowerEdge: 2600, 2650, 4600, 6600, 6650	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic QLA2200F–EMC ^{4, 6, 7, 9}	FC–AL, FC–SW	N	

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- Driver Version 6.05.00.
- Single HBA zoning is required regardless of the switch being utilized.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS 1.34 available from <http://www.qlogic.com>.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- Requires BIOS 1.34 available from QLogic at <http://www.qlogic.com>.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- FCode value 1.63a2.
- Firmware Version 1.01a2.
- Driver Version 1.23a.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- Firmware Version 1.80a3.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- An RPM from Dell may be used to install the QLogic v6.05.00 driver and may be obtained from the QLogic website at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Firmware Version 3.90a7.

Fujitsu Siemens

Fujitsu Siemens – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450, RX100, T850	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 9, 10, 12, 13, 14, 15, 16, 18} LP10000DC–E ^{4, 9, 10, 12, 13, 14, 15, 16, 18} LP9002–E (LP9002L–E) ^{4, 9, 10, 12, 13, 14, 15, 16, 17} LP9002DC–E ^{4, 9, 10, 12, 13, 14, 15, 16, 17} LP9802–E ^{4, 9, 10, 11, 12, 13, 14, 15, 16} LP9802DC–E ^{4, 9, 10, 11, 12, 13, 14, 15, 16}	FC–AL, FC–SW	N	See ¹
2	Primergy: F250 ⁷ , H250 ⁷ , H450, N800, RX200, RX300, TX200, TX300	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 9, 10, 12, 13, 14, 15, 16, 18} LP10000DC–E ^{4, 9, 10, 12, 13, 14, 15, 16, 18} LP9002–E (LP9002L–E) ^{4, 9, 10, 12, 13, 14, 15, 16, 17} LP9002DC–E ^{4, 9, 10, 12, 13, 14, 15, 16, 17} LP9802–E ^{4, 9, 10, 11, 12, 13, 14, 15, 16} LP9802DC–E ^{4, 9, 10, 11, 12, 13, 14, 15, 16} QLogic QLA2200F–EMC ^{4, 5, 6, 8}	FC–AL, FC–SW	N	See ¹
3	Primergy: RX600, RX800, TX600	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 9, 10, 12, 13, 14, 15, 16, 18} LP10000DC–E ^{4, 9, 10, 12, 13, 14, 15, 16, 18} LP9002–E (LP9002L–E) ^{4, 9, 10, 12, 13, 14, 15, 16, 17} LP9002DC–E ^{4, 9, 10, 12, 13, 14, 15, 16, 17} LP9802–E ^{4, 9, 10, 11, 12, 13, 14, 15, 16} LP9802DC–E ^{4, 9, 10, 11, 12, 13, 14, 15, 16} QLogic QLA2200F–EMC ^{4, 5, 6, 8}	FC–AL, FC–SW	N	See ¹

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.

7. Must use standard PCI 32bit/33MHz slot for SCSI
8. Driver Version 6.05.00.
9. Driver Version 1.23a.
10. FCode value 1.63a2.
11. Firmware Version 1.01a2.
12. Single HBA zoning is required regardless of the switch being utilized.
13. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
14. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
15. Emulex driver and BIOS available from <http://www.emulex.com>.
16. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
17. Firmware Version 3.90a7.
18. Firmware Version 1.80a3.

HPQ

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁸ , 800, 8500, DL320 ⁸ , DL360(G2) ⁸ , DL360 ⁸ , DL380(G2) ⁸ , DL380(G3), DL380 ⁸ , DL580(G2) ⁸ , DL580 ⁸ , ML350(G2) ⁸ , ML350(G3), ML350 ⁸ , ML370(G2), ML370(G3), ML370 ⁸ , ML530(G2) ⁸ , ML530 ⁸ , ML570 ⁸ , ML750 ¹²	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 5, 17, 18,} 19, 21, 23, 31, 32 LP10000DC–E ^{4, 5, 17,} 18, 19, 21, 23, 31, 32 LP1050–E ^{4, 5, 17, 18,} 19, 21, 23, 31, 32 LP1050DC–E ^{4, 5, 17,} 18, 19, 21, 23, 31, 32 LP9002–E (LP9002L–E) ^{4, 5, 17,} 18, 19, 21, 23, 32, 33 LP9002DC–E ^{4, 5, 17,} 18, 19, 21, 23, 32, 33 LP9802–E ^{4, 5, 17, 18,} 19, 21, 22, 23, 32 LP9802DC–E ^{4, 5, 17,} 18, 19, 21, 22, 23, 32	FC-AL, FC-SW	γ ^{24, 25, 26,} 27, 28, 29, 30	
2	Proliant: ML350(G2) ⁸ , ML350(G3)	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 5, 17, 18,} 19, 21, 23, 31, 32 LP10000DC–E ^{4, 5, 17,} 18, 19, 21, 23, 31, 32 LP1050–E ^{4, 5, 17, 18,} 19, 21, 23, 31, 32 LP1050DC–E ^{4, 5, 17,} 18, 19, 21, 23, 31, 32 LP9002–E (LP9002L–E) ^{4, 5, 17,} 18, 19, 21, 23, 32, 33 LP9002DC–E ^{4, 5, 17,} 18, 19, 21, 23, 32, 33 LP9802–E ^{4, 5, 17, 18,} 19, 21, 22, 23, 32 LP9802DC–E ^{4, 5, 17,} 18, 19, 21, 22, 23, 32 LP982–E ^{4, 5, 17, 18, 19,} 20, 21, 22, 23 QLogic: QLA2310F–E–SP ^{4, 5,} 6, 9, 14 QLA2340–E–SP ^{4, 5,} 6, 9, 14	FC-AL, FC-SW	N	See ¹
3	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁸ , 800, DL320 ⁸ , DL360(G2) ⁸ , DL360 ⁸ , DL380(G2) ⁸ , DL380(G3), DL380 ⁸ , DL580(G2) ⁸ , DL580 ⁸ , ML350 ⁸ , ML370(G2), ML370(G3), ML370 ⁸ , ML530(G2) ⁸ , ML530 ⁸ , ML570 ⁸ , ML750 ¹²	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 5, 17, 18,} 19, 21, 23, 31, 32 LP10000DC–E ^{4, 5, 17,} 18, 19, 21, 23, 31, 32 LP1050–E ^{4, 5, 17, 18,} 19, 21, 23, 31, 32 LP1050DC–E ^{4, 5, 17,} 18, 19, 21, 23, 31, 32 LP9002–E (LP9002L–E) ^{4, 5, 17,} 18, 19, 21, 23, 32, 33 LP9002DC–E ^{4, 5, 17,} 18, 19, 21, 23, 32, 33 LP9802–E ^{4, 5, 17, 18,} 19, 21, 22, 23, 32 LP9802DC–E ^{4, 5, 17,} 18, 19, 21, 22, 23, 32 LP982–E ^{4, 5, 17, 18, 19,} 20, 21, 22, 23 QLogic: QLA2310F–E–SP ^{4, 5,} 6, 9, 14 QLA2340–E–SP ^{4, 5,} 6, 9, 14 QLA2342–E–SP ^{4, 5,} 6, 7, 9	FC-AL, FC-SW	N	See ¹
4	Netserver LXR: 8000, 8500; Proliant: 1600 ^{8, 13} , 1850 ⁸ , 3000 ⁸ , 5000 ⁸ , 5500 ^{8, 11} , 6000 ^{8, 11} , 6400R ⁸ , 6500 ^{8, 11} , 7000 ^{8, 11} , 8000 ^{8, 11} , 850 ⁸	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 5, 17, 18,} 19, 21, 23, 31, 32 LP10000DC–E ^{4, 5, 17,} 18, 19, 21, 23, 31, 32 LP9002–E (LP9002L–E) ^{4, 5, 17,} 18, 19, 21, 23, 32, 33 LP9002DC–E ^{4, 5, 17,} 18, 19, 21, 23, 32, 33 LP9802–E ^{4, 5, 17, 18,} 19, 21, 22, 23, 32 LP9802DC–E ^{4, 5, 17,} 18, 19, 21, 22, 23, 32 QLogic: QLA2310F–E–SP ^{4, 5,} 6, 9, 14 QLA2340–E–SP ^{4, 5,} 6, 9, 14 QLA2342–E–SP ^{4, 5,} 6, 7, 9	FC-AL, FC-SW	N	See ¹

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
5	Netservr LC: 2000 U3, 2000r; Netservr LH: (LH Pro), 3, 3000, 4, 6000, II; Netservr: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{8,13} , 1850 ⁸ , 2500 ⁸ , 3000 ⁸ , 5000 ⁸ , 5500 ^{8,11} , 6000 ^{8,11} , 6400R ⁸ , 6500 ^{8,11} , 800, 8000 ^{8,11} , 850 ⁸ , DL320 ⁸ , DL360(G2) ⁸ , DL360 ⁸ , DL380(G2) ⁸ , DL380(G3), DL380 ⁸ , DL580(G2) ⁸ , DL580 ⁸ , ML350 ⁸ , ML370(G2), ML370(G3), ML370 ⁸ , ML530 ⁸ , ML570 ⁸ , ML750 ¹²	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic: QLA2200F–EMC ^{5,6} , 9, 10	FC–AL, FC–SW	N	
6	Netservr LH III	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic: QLA2200F–EMC ^{5,6} , 9, 10 QLA2310F–E–SP ^{4,5,6,9,14} QLA2340–E–SP ^{4,5,6,9,14}	FC–AL, FC–SW	N	
7	Netservr LH: (LH Pro), 3, 3000, 4, 6000, II; Netservr: LX PRO, LXR PRO, LXR PRO8	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic: QLA2310F–E–SP ^{4,5,6,9,14} QLA2340–E–SP ^{4,5,6,9,14} QLA2342–E–SP ^{4,5,6,7,9}	FC–AL, FC–SW	N	See ¹
8	Proliant BL40p	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{4,5,17,18,19,21,23,31,32} LP10000DC–E ^{4,5,17,18,19,21,23,31,32} LP1050–E ^{4,5,17,18,19,21,23,31,32} LP1050DC–E ^{4,5,17,18,19,21,23,31,32} LP9002–E (LP9002L–E) ^{4,5,17,18,19,21,23,32,33} LP9002DC–E ^{4,5,17,18,19,21,23,32,33} LP9802–E ^{4,5,17,18,19,21,22,23,32} LP9802DC–E ^{4,5,17,18,19,21,22,23,32}	FC–AL, FC–SW	N	
9	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁸ , ML570(G2)	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{4,5,17,18,19,21,23,31,32} LP10000DC–E ^{4,5,17,18,19,21,23,31,32} LP1050–E ^{4,5,17,18,19,21,23,31,32} LP1050DC–E ^{4,5,17,18,19,21,23,31,32} LP9002–E (LP9002L–E) ^{4,5,17,18,19,21,23,32,33} LP9002DC–E ^{4,5,17,18,19,21,23,32,33} LP9802–E ^{4,5,17,18,19,21,22,23,32} LP9802DC–E ^{4,5,17,18,19,21,22,23,32}	FC–AL, FC–SW	Y ^{24,25,26,27,28,29,30}	
10	Proliant: DL740, DL760 (G2), DL760 ⁸	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{4,5,17,18,19,21,23,31,32} LP10000DC–E ^{4,5,17,18,19,21,23,31,32} LP1050–E ^{4,5,17,18,19,21,23,31,32} LP1050DC–E ^{4,5,17,18,19,21,23,31,32} LP9002–E (LP9002L–E) ^{4,5,17,18,19,21,23,32,33} LP9002DC–E ^{4,5,17,18,19,21,23,32,33} LP9802–E ^{4,5,17,18,19,21,22,23,32} LP9802DC–E ^{4,5,17,18,19,21,22,23,32} LP982–E ^{4,5,17,18,19,20,21,22,23} QLogic: QLA2200F–EMC ^{5,6} , 9, 10 QLA2310F–E–SP ^{4,5,6,9,14} QLA2340–E–SP ^{4,5,6,9,14}	FC–AL, FC–SW	N	

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
11	Proliant: DL560, ML570(G2)	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 5, 17, 18, 19, 21, 23, 31, 32} LP10000DC–E ^{4, 5, 17, 18, 19, 21, 23, 31, 32} LP1050–E ^{4, 5, 17, 18, 19, 21, 23, 31, 32} LP1050DC–E ^{4, 5, 17, 18, 19, 21, 23, 31, 32} LP9002–E (LP9002L–E) ^{4, 5, 17, 18, 19, 21, 23, 32, 33} LP9002DC–E ^{4, 5, 17, 18, 19, 21, 23, 32, 33} LP9802–E ^{4, 5, 17, 18, 19, 21, 22, 23, 32} LP9802DC–E ^{4, 5, 17, 18, 19, 21, 22, 23, 32} LP982–E ^{4, 5, 17, 18, 19, 20, 21, 22, 23} QLogic: QLA2310F–E–SP ^{4, 5, 6, 9, 14} QLA2340–E–SP ^{4, 5, 6, 9, 14} QLA2342–E–SP ^{4, 5, 6, 7, 9}	FC–AL, FC–SW	N	See ¹
12	Proliant: DL560, ML570(G2)	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic QLA2200F–EMC ^{5, 6, 9, 10}	FC–AL, FC–SW	N	
13	Proliant BL20p (G2)	PCI-X ¹⁶	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{3, 15}	Emulex: LP10000–E ^{4, 5, 17, 18, 19, 21, 23, 31, 32} LP10000DC–E ^{4, 5, 17, 18, 19, 21, 23, 31, 32} LP9002–E (LP9002L–E) ^{4, 5, 17, 18, 19, 21, 23, 32, 33} LP9002DC–E ^{4, 5, 17, 18, 19, 21, 23, 32, 33} LP9802–E ^{4, 5, 17, 18, 19, 21, 22, 23, 32} LP9802DC–E ^{4, 5, 17, 18, 19, 21, 22, 23, 32} HPQ Dual–port mezzanine controller card ^{9, 14}	FC–AL, FC–SW	N	
14	Proliant DL580(G3)	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 5, 17, 18, 19, 21, 23, 31, 32} LP10000DC–E ^{4, 5, 17, 18, 19, 21, 23, 31, 32} LP1050–E ^{4, 5, 17, 18, 19, 21, 23, 31, 32} LP1050DC–E ^{4, 5, 17, 18, 19, 21, 23, 31, 32} LP9002–E (LP9002L–E) ^{4, 5, 17, 18, 19, 21, 23, 32, 33} LP9002DC–E ^{4, 5, 17, 18, 19, 21, 23, 32, 33} LP9802–E ^{4, 5, 17, 18, 19, 21, 22, 23, 32} LP9802DC–E ^{4, 5, 17, 18, 19, 21, 22, 23, 32}	FC–AL, FC–SW	γ ^{24, 25, 26, 27, 28, 29, 30}	
15	Proliant DL580(G3)	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 5, 17, 18, 19, 21, 23, 31, 32} LP10000DC–E ^{4, 5, 17, 18, 19, 21, 23, 31, 32} LP1050–E ^{4, 5, 17, 18, 19, 21, 23, 31, 32} LP1050DC–E ^{4, 5, 17, 18, 19, 21, 23, 31, 32} LP9002–E (LP9002L–E) ^{4, 5, 17, 18, 19, 21, 23, 32, 33} LP9002DC–E ^{4, 5, 17, 18, 19, 21, 23, 32, 33} LP9802–E ^{4, 5, 17, 18, 19, 21, 22, 23, 32} LP9802DC–E ^{4, 5, 17, 18, 19, 21, 22, 23, 32} LP982–E ^{4, 5, 17, 18, 19, 20, 21, 22, 23} QLogic: QLA2310F–E–SP ^{4, 5, 6, 9, 14} QLA2340–E–SP ^{4, 5, 6, 9, 14} QLA2342–E–SP ^{4, 5, 6, 7, 9}	FC–AL, FC–SW	N	See ¹
16	Proliant DL580(G3)	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic QLA2200F–EMC ^{5, 6, 9, 10}	FC–AL, FC–SW	N	

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPK.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- Single HBA zoning is required regardless of the switch being utilized.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS 1.34 available from <http://www.qlogic.com>.
- Compaq servers that are rack–mountable (designated by Compaq with an "R") are supported.
- Driver Version 6.05.00.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Includes both Pentium PRO and XEON models
- HPQ Proliant servers that are rack–mountable (designated with an "R") are supported.

13. This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
14. Requires BIOS 1.34 available from QLogic at <http://www.qlogic.com>.
15. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RFP.
16. Dual port PCI-X fibre channel mezzanine card option is embedded. No PCI/PCI-X slots available.
17. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
18. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
19. Emulex driver and BIOS available from <http://www.emulex.com>.
20. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
21. Driver Version 1.23a.
22. Firmware Version 1.01a2.
23. FCode value 1.63a2.
24. Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
25. Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
26. No MirrorView or SnapView used on boot LUNs.
27. EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
28. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
29. Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
30. For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
31. Firmware Version 1.80a3.
32. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
33. Firmware Version 3.90a7.

IBM

IBM – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netfinity 8500	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050DC–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP9002–E (LP9002L–E)4, 5, 20, 22, 23, 24, 25, 28, 39, LP9002DC–E4, 5, 20, 21, 22, 23, 24, 25, 28, LP9802–E4, 5, 20, 21, 22, 23, 24, 25, 28, LP9802DC–E4, 5, 20, 21, 22, 23, 24, 25, 28	FC–AL, FC–SW	N	
2	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ³⁸ , x350 (6000R), x370	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050DC–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP9002–E (LP9002L–E)4, 5, 20, 22, 23, 24, 25, 28, 39, LP9002DC–E4, 5, 20, 22, 23, 24, 25, 28, 39, LP9802–E4, 5, 20, 21, 22, 23, 24, 25, 28, LP9802DC–E4, 5, 20, 21, 22, 23, 24, 25, 28	FC–AL, FC–SW	Y ^{29, 30, 31, 32, 33, 34, 35}	
3	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050DC–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP9002–E (LP9002L–E)4, 5, 20, 22, 23, 24, 25, 28, 39, LP9002DC–E4, 5, 20, 22, 23, 24, 25, 28, 39, LP9802–E4, 5, 20, 21, 22, 23, 24, 25, 28, LP982–E4, 5, 20, 21, 22, 23, 24, 25, 26; QLogic: QLA2310F–E–SP ⁴ , 5, 6, 8, 11, QLA2340–E–SP ⁴ , 5, 6, 8, 11, QLA2342–E–SP ⁴ , 5, 6, 7, 8	FC–AL, FC–SW	N	See ¹
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050DC–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP9002–E (LP9002L–E)4, 5, 20, 22, 23, 24, 25, 28, 39, LP9002DC–E4, 5, 20, 21, 22, 23, 24, 25, 28, LP9802–E4, 5, 20, 21, 22, 23, 24, 25, 28, LP9802DC–E4, 5, 20, 21, 22, 23, 24, 25, 28; QLogic: QLA2310F–E–SP ⁴ , 5, 6, 8, 11, QLA2340–E–SP ⁴ , 5, 6, 8, 11, QLA2342–E–SP ⁴ , 5, 6, 7, 8	FC–AL, FC–SW	N	See ¹
5	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic QLA2200F–EMC ^{5, 6, 8, 9}	FC–AL, FC–SW	N	
6	xSeries x235	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050DC–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP9002–E (LP9002L–E)4, 5, 20, 22, 23, 24, 25, 28, 39, LP9002DC–E4, 5, 20, 22, 23, 24, 25, 28, 39, LP9802–E4, 5, 20, 21, 22, 23, 24, 25, 28, LP9802DC–E4, 5, 20, 21, 22, 23, 24, 25, 28	FC–AL, FC–SW	N	
7	xSeries: x255, x360 ³⁸ , x440 ^{36, 37}	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050DC–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP9002–E (LP9002L–E)4, 5, 20, 22, 23, 24, 25, 28, 39, LP9002DC–E4, 5, 20, 22, 23, 24, 25, 28, 39, LP9802–E4, 5, 20, 21, 22, 23, 24, 25, 28, LP9802DC–E4, 5, 20, 21, 22, 23, 24, 25, 28	FC–AL, FC–SW	Y ^{29, 30, 31, 32, 33, 34, 35}	
8	xSeries x440	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050DC–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP9002–E (LP9002L–E)4, 5, 20, 22, 23, 24, 25, 28, 39, LP9002DC–E4, 5, 20, 22, 23, 24, 25, 28, 39, LP9802–E4, 5, 20, 21, 22, 23, 24, 25, 28, LP9802DC–E4, 5, 20, 21, 22, 23, 24, 25, 28, LP982–E4, 5, 20, 21, 22, 23, 24, 25, 26; QLogic: QLA2340–E–SP ⁴ , 5, 6, 8, 11	FC–AL, FC–SW	N	See ¹
9	xSeries x360	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050DC–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP9002–E (LP9002L–E)4, 5, 20, 22, 23, 24, 25, 28, 39, LP9002DC–E4, 5, 20, 22, 23, 24, 25, 28, 39, LP9802–E4, 5, 20, 21, 22, 23, 24, 25, 28, LP9802DC–E4, 5, 20, 21, 22, 23, 24, 25, 28, LP982–E4, 5, 20, 21, 22, 23, 24, 25, 26; QLogic: QLA2310F–E–SP ⁴ , 5, 6, 8, 11, QLA2340–E–SP ⁴ , 5, 6, 8, 11, QLA2342–E–SP ⁴ , 5, 6, 7, 8	FC–AL, FC–SW	N	See ¹
10	xSeries x360	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic QLA2200F–EMC ^{5, 6, 8, 9}	FC–AL, FC–SW	N	
11	xSeries x440	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic: QLA2200F–EMC ^{5, 6, 8, 9} , QLA2310F–E–SP ⁴ , 5, 6, 8, 11	FC–AL, FC–SW	N	
12	eServer BladeCenter HS20 (Model: 8678) ¹⁷ , 8832) ¹⁷	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{3,12}	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{8, 19}	FC–AL, FC–SW	Y	
13	xSeries x345	PCI, PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP1050DC–E4, 5, 20, 22, 23, 24, 25, 27, 28, LP9002–E (LP9002L–E)4, 5, 20, 22, 23, 24, 25, 28, 39, LP9002DC–E4, 5, 20, 22, 23, 24, 25, 28, 39, LP9802–E4, 5, 20, 21, 22, 23, 24, 25, 28, LP9802DC–E4, 5, 20, 21, 22, 23, 24, 25, 28	FC–AL, FC–SW	N	

IBM – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
14	xSeries x445	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{4, 5, 20, 22, 23, 24, 25, 27, 28} LP10000DC–E ^{4, 5, 20, 22, 23, 24, 25, 27, 28} LP1050–E ^{4, 5, 20, 22, 23, 24, 25, 27, 28} LP1050DC–E ^{4, 5, 20, 22, 23, 24, 25, 27, 28} LP9002–E (LP9002L–E ^{4, 5, 20, 22, 23, 24, 25, 28, 39} LP9002DC–E ^{4, 5, 20, 22, 23, 24, 25, 28, 39} LP9802–E ^{4, 5, 20, 21, 22, 23, 24, 25, 28} LP9802DC–E ^{4, 5, 20, 21, 22, 23, 24, 25, 28}	FC–AL, FC–SW	Y ^{29, 30, 31, 32, 33, 34, 35}	
15	xSeries x445	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{4, 5, 20, 22, 23, 24, 25, 27, 28} LP10000DC–E ^{4, 5, 20, 22, 23, 24, 25, 27, 28} LP1050–E ^{4, 5, 20, 22, 23, 24, 25, 27, 28} LP1050DC–E ^{4, 5, 20, 22, 23, 24, 25, 27, 28} LP9002–E (LP9002L–E ^{4, 5, 20, 22, 23, 24, 25, 28, 39} LP9002DC–E ^{4, 5, 20, 22, 23, 24, 25, 28, 39} LP9802–E ^{4, 5, 20, 21, 22, 23, 24, 25, 28} LP9802DC–E ^{4, 5, 20, 21, 22, 23, 24, 25, 28} QLogic QLA2340–E–SP ^{4, 5, 6, 8, 11}	FC–AL, FC–SW	N	See ¹
16	xSeries x445	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic: QLA2200F–EMC ^{5, 6, 8, 9} QLA2310F–E–SP ^{4, 5, 6, 8, 11}	FC–AL, FC–SW	N	
17	eServer BladeCenter HS20 (Model: 8678) ^{17, 8832} ¹⁷	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{3,12}	IBM HS20 FC Exp Card(48P7061) with Optical Pass–thru Module: 02R9080 ^{5, 16} 02R9080 ^{8, 13, 14, 15, 16}	FC–SW	Y	

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
- Single HBA zoning is required regardless of the switch being utilized.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS 1.34 available from http://www.qlogic.com.
- Driver Version 6.05.00.
- Supports BIOS 1.83. Available at http://www.qlogic.com. Supports SNIA HBA API.
- This server only supports 5 Volt HBAs: QLogic 22XX family (if applicable), QLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- Requires BIOS 1.34 available from QLogic at http://www.qlogic.com.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supports IBM BIOS 1.35. Available at http://www.qlogic.com.
- Due to the HS20's embedded FC–SW design, EMC Access Logic is required to assign LUNS to each individual blade server.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
 - EMC VolumeLogix Software required for multiple BladeServers when direct–attached to EMC Symmetrix storage.
 - Dual–port FC switch module. Can be used in place of Optical PassThru Module (OPM.)
 - Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
 - FCCode value 1.63a2.
 - Firmware Version 1.01a2.
 - Driver Version 1.23a.
 - FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
 - The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
 - Emulex driver and BIOS available from http://www.emulex.com.
 - QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
 - Firmware Version 1.80a3.
 - QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
 - Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
 - Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)
 - No MirrorView or SnapView used on boot LUNs.
 - EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
 - Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
 - Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
 - For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
 - This system is supported with Red Hat 2.1 Advanced Server v2.4.9–E.3 and updated with v2.4.9–E.9, E.10, and E.12 RPMs.
 - PowerPath v3.0.2 b069 is not supported on this system.
 - PowerPath v3.02 not supported on this system.
 - Firmware Version 3.90a7.

NEC

NEC – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800: 120Ra–2, 140Ha, 140Ma, 180Ha	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{5, 6, 10, 11, 12, 14, 15, 24, 25} LP10000DC–E ^{5, 6, 10, 11, 12, 14, 15, 24, 25} LP1050–E ^{5, 6, 10, 11, 12, 14, 15, 24, 25} LP1050DC–E ^{5, 6, 10, 11, 12, 14, 15, 24, 25} LP9002–E (LP9002L–E) ^{5, 6, 10, 11, 12, 14, 15, 24, 26} LP9002DC–E ^{5, 6, 10, 11, 12, 14, 15, 24, 26} LP9802–E ^{5, 6, 10, 11, 12, 14, 15, 16, 24} LP9802DC–E ^{5, 6, 10, 11, 12, 14, 15, 16, 24}	FC–AL, FC–SW	Y ^{17, 18, 19, 20, 21, 22, 23}	
2	Express 5800: 120Ra–2, 140Ha, 140Ma, 180Ha	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{5, 6, 10, 11, 12, 14, 15, 24, 25} LP10000DC–E ^{5, 6, 10, 11, 12, 14, 15, 24, 25} LP1050–E ^{5, 6, 10, 11, 12, 14, 15, 24, 25} LP1050DC–E ^{5, 6, 10, 11, 12, 14, 15, 24, 25} LP9002–E (LP9002L–E) ^{5, 6, 10, 11, 12, 14, 15, 24, 26} LP9002DC–E ^{5, 6, 10, 11, 12, 14, 15, 24, 26} LP9802–E ^{5, 6, 10, 11, 12, 14, 15, 16, 24} LP9802DC–E ^{5, 6, 10, 11, 12, 14, 15, 16, 24} LP982–E ^{5, 6, 10, 11, 12, 13, 14, 15, 16} QLogic: QLA2310F–E–SP ^{4, 5, 6, 7, 9} QLA2340–E–SP ^{4, 5, 6, 7, 9} QLA2342–E–SP ^{4, 5, 6, 7, 8}	FC–AL, FC–SW	N	See ¹

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
- Driver Version 6.05.00.
- Single HBA zoning is required regardless of the switch being utilized.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS 1.34 available from http://www.qlogic.com.
- Requires BIOS 1.34 available from QLogic at http://www.qlogic.com.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from http://www.emulex.com.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- Driver Version 1.23a.
- FCCode value 1.63a2.
- Firmware Version 1.01a2.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)

19. No MirrorView or SnapView used on boot LUNs.
20. EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
21. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
22. Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
23. For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
24. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
25. Firmware Version 1.80a3.
26. Firmware Version 3.90a7.

SUPERMICRO

SUPERMICRO – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Super: P3TDL3 ⁵ S2DL3 ⁵	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{6,7,10,11,12,14,16,17,18} , LP10000DC–E ^{6,7,10,11,12,14,16,17,18} , LP1050–E ^{6,7,10,11,12,14,16,17,18} , LP1050DC–E ^{6,7,10,11,12,14,16,17,18} , LP9002–E (LP9002L–E) ^{6,7,10,11,12,14,16,17,19} , LP9002DC–E ^{6,7,10,11,12,14,16,17,19} , LP9802–E ^{6,7,10,11,12,14,15,16,17} , LP9802DC–E ^{6,7,10,11,12,14,15,16,17} , LP982–E ^{6,7,10,11,12,13,14,15,16} , QLogic: QLA2310F–E–SP ^{4,6,7,8,9} , QLA2340–E–SP ^{4,6,7,8,9}	FC–AL, FC–SW	N	See ¹

1. Linux v2.4.x Kernels support a maximum of 128 devices per system.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
3. Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
4. Driver Version 6.05.00.
5. 64–bit slots for 3.3v HBAs only.
6. Single HBA zoning is required regardless of the switch being utilized.
7. Host must be offline for interfamily Symmetrix microcode upgrade.
8. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
9. Requires BIOS 1.34 available from QLogic at http://www.qlogic.com.
10. FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
11. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
12. Emulex driver and BIOS available from http://www.emulex.com.
13. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
14. Driver Version 1.23a.
15. Firmware Version 1.01a2.
16. FCode value 1.63a2.
17. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
18. Firmware Version 1.80a3.
19. Firmware Version 3.90a7.

Sun Solaris

Sun – Sun Solaris						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Sun Fire 4810	cPCI	Sun Solaris 8 ²	Emulex LP9002C–E ^{3,11,12}	FC–AL, FC–SW	Y ¹
2	Sun Fire: 3800, 4800, 6800	cPCI	Sun Solaris: 8 ^{2,5}	Emulex LP9002C–E ^{3,11,12} , QLogic QCP2202F–E ^{9,15,18}	FC–AL, FC–SW	Y ¹
3	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ²⁰ , 250, 30, 420R ²⁰ , 450, 60, 80	PCI	Sun Solaris 2.6 ²¹	Emulex: LP8000–EMC ^{11,12,17} , LP9002–E (LP9002L–E) ^{11,12}	FC–AL, FC–SW	N
4	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	PCI	Sun Solaris 2.6 ²¹	Emulex: LP8000–EMC ^{11,12,17} , LP9002–E (LP9002L–E) ^{11,12} , QLogic QLA2200F–EMC ^{9,15,18}	FC–AL, FC–SW	N
5	Sun Fire: V250 ³³ , V440 ³³	PCI	Sun Solaris 8 07/03 ²	Emulex: LP10000–E ^{3,11,29} , LP10000DC–E ^{3,11,29} , LP8000–EMC ^{3,11,12,17} , LP9002–E (LP9002L–E) ^{3,11,12} , LP9002DC–E ^{3,11,12} , LP9802–E ^{3,11,13} , JNI FCX2–6562–E ^{7,19} , QLogic: QLA2200F–EMC ^{9,14,15,18} , QLA2340–E–SP ^{9,14,15} , QLA2342–E–SP ^{9,14,15} , Sun: X6767A (SG–XPCI1FC–QF2) ^{30,31,32} , X6768A (SG–XPCI2FC–QF2) ^{30,31,32}	FC–AL, FC–SW	Y ¹
6	Sun Fire: 12K, 15K	PCI	Sun Solaris 8 ²	QLogic: QLA2200F–EMC ^{9,15,16,18} , QLA2340–E–SP ^{9,15,16} , QLA2342–E–SP ^{9,15,16}	FC–AL, FC–SW	Y ¹
7	Sun Fire V250	PCI	Sun Solaris 9 08/03 ⁵	Emulex: LP10000–E ^{3,11,29} , LP10000DC–E ^{3,11,29} , LP8000–EMC ^{3,11,12,17} , LP9002–E (LP9002L–E) ^{3,11,12} , LP9002DC–E ^{3,11,12} , LP9802–E ^{3,11,13} , JNI FCX2–6562–E ^{7,19} , QLogic: QLA2200F–EMC ^{9,14,15,18} , QLA2340–E–SP ^{9,14,15} , QLA2342–E–SP ^{9,14,15} , Sun: X6767A (SG–XPCI1FC–QF2) ^{30,31,32} , X6768A (SG–XPCI2FC–QF2) ^{30,31,32}	FC–AL, FC–SW	Y ¹
8	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ²⁰ , 250, 420R ²⁰ , 450, 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris 9 ⁵	Emulex LP9002DC–E ^{3,11,12} , QLogic QLA2200F–EMC ^{9,14,15,18}	FC–AL, FC–SW	Y ¹
9	Ultra 30	PCI	Sun Solaris 9 ⁵	QLogic QLA2200F–EMC ^{9,14,15,18}	FC–AL, FC–SW	Y ¹
10	Netra 20	PCI	Sun Solaris 9 ⁵	QLogic QLA2342–E–SP ^{9,14,15} , Sun: X6767A (SG–XPCI1FC–QF2) ^{30,31,32} , X6768A (SG–XPCI2FC–QF2) ^{30,31,32}	FC–AL, FC–SW	Y ¹
11	Sun Fire: 12K, 15K	PCI	Sun Solaris 9 ⁵	QLogic: QLA2200F–EMC ^{9,15,18} , QLA2340–E–SP ^{9,15} , QLA2342–E–SP ^{9,15}	FC–AL, FC–SW	Y ¹
12	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ²⁰ , 250, 420R ²⁰ , 450	PCI	Sun Solaris: 7 ⁴ , 8 ²	Emulex LP9002DC–E ³	FC–AL, FC–SW	Y ¹
13	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	PCI	Sun Solaris: 7 ⁴ , 8 ²	Emulex LP9002DC–E ³ , QLogic QLA2200F–EMC ^{9,15,18}	FC–AL, FC–SW	Y ¹

Sun – Sun Solaris						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
14	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ²⁰ , 250, 30, 420R ²⁰ , 450, 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris: 7 ⁴ , 8 ² , 9 ⁵	Emulex: LP8000-EMC ^{3, 11, 12, 17} , LP9002-E (LP9002L-E) ^{3, 11, 12} , LP9802-E ^{3, 11, 13} ; JNI: FCE2-6412-E ^{6, 7} , FCX2-6562-E ^{7, 19} ; QLLogic: QLA2340-E-SP ^{9, 14, 15} , QLA2342-E-SP ^{9, 14, 15}	FC-AL, FC-SW	Y ¹
15	Sun Fire: 12K ²⁸ , 15K ²⁸	PCI	Sun Solaris: 8 ² , 9 ⁵	Emulex LP9002DC-E ^{3, 11, 12}	FC-AL, FC-SW	Y ¹
16	Sun Fire 4810	PCI	Sun Solaris: 8 ² , 9 ⁵	Emulex: LP10000-E ^{3, 11, 29} , LP10000DC-E ^{3, 11, 29} , LP8000-EMC ^{3, 11, 12, 17} , LP9002-E (LP9002L-E) ^{3, 11, 12} , LP9002C-E ^{3, 11, 12} , LP9002DC-E ^{3, 11, 12} , LP9802-E ^{3, 11, 13} ; JNI FCX2-6562-E ^{7, 19} ; QLLogic: QLA2200F-EMC ^{9, 14, 15, 18} , QLA2340-E-SP ^{9, 14, 15} , QLA2342-E-SP ^{9, 14, 15} ; Sun: X6767A (SG-XPCI1FC-QF2) ^{30, 31, 32} , X6768A (SG-XPCI2FC-QF2) ^{30, 31, 32}	FC-AL, FC-SW	Y ¹
17	Netra 20	PCI	Sun Solaris: 8 ² , 9 ⁵	Emulex: LP10000-E ^{3, 11, 29} , LP10000DC-E ^{3, 11, 29} , LP8000-EMC ^{3, 11, 12, 17} , LP9002-E (LP9002L-E) ^{3, 11, 12} , LP9002DC-E ^{3, 11, 12} , LP9802-E ^{3, 11, 13} ; JNI FCX2-6562-E ^{7, 19} ; QLLogic: QLA2200F-EMC ^{9, 14, 15, 18} , QLA2340-E-SP ^{9, 14, 15}	FC-AL, FC-SW	Y ¹
18	Netra: 120, 1280; Sun Blade: 1000, 150, 2000; Sun Fire: 280R, 4800, 6800, V100, V120, V1280, V210, V240, V480, V880	PCI	Sun Solaris: 8 ² , 9 ⁵	Emulex: LP10000-E ^{3, 11, 29} , LP10000DC-E ^{3, 11, 29} , LP8000-EMC ^{3, 11, 12, 17} , LP9002-E (LP9002L-E) ^{3, 11, 12} , LP9002DC-E ^{3, 11, 12} , LP9802-E ^{3, 11, 13} ; JNI FCX2-6562-E ^{7, 19} ; QLLogic: QLA2200F-EMC ^{9, 14, 15, 18} , QLA2340-E-SP ^{9, 14, 15} , QLA2342-E-SP ^{9, 14, 15} ; Sun: X6767A (SG-XPCI1FC-QF2) ^{30, 31, 32} , X6768A (SG-XPCI2FC-QF2) ^{30, 31, 32}	FC-AL, FC-SW	Y ¹
19	Sun Fire: 12K, 15K	PCI	Sun Solaris: 8 ² , 9 ⁵	Emulex: LP10000-E ^{3, 11, 29} , LP10000DC-E ^{3, 11, 29} , LP9002-E (LP9002L-E) ^{3, 11, 12} , LP9802-E ^{3, 11, 13} ; Sun: X6767A (SG-XPCI1FC-QF2) ^{30, 31, 32} , X6768A (SG-XPCI2FC-QF2) ^{30, 31, 32}	FC-AL, FC-SW	Y ¹
20	Ultra 30	PCI	Sun Solaris: 8 ² , 9 ⁵	Emulex: LP10000-E ^{3, 11, 29} , LP10000DC-E ^{3, 11, 29} , LP9002DC-E ^{3, 11, 12} ; Sun: X6767A (SG-XPCI1FC-QF2) ^{30, 31, 32} , X6768A (SG-XPCI2FC-QF2) ^{30, 31, 32}	FC-AL, FC-SW	Y ¹
21	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ²⁰ , 250, 420R ²⁰ , 450, 60, 80, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris: 8 ² , 9 ⁵	Emulex: LP10000-E ^{3, 11, 29} , LP10000DC-E ^{3, 11, 29} ; Sun: X6767A (SG-XPCI1FC-QF2) ^{30, 31, 32} , X6768A (SG-XPCI2FC-QF2) ^{30, 31, 32}	FC-AL, FC-SW	Y ¹
22	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	SBUS	Sun Solaris 2.6 ²¹	Emulex LP9002S-E ^{11, 22} ; JNI: FC64-1063-EMC ^{23, 24, 25, 26, 27} , FCE-1063-E ^{6, 7} , FCE2-1063-E ^{6, 7}	FC-AL, FC-SW	N
23	Ultra Enterprise 10000	SBUS	Sun Solaris 2.6 ²¹	JNI: FC64-1063-EMC ^{23, 24, 25, 26, 27} , FCE-1063-E ^{6, 7} , FCE2-1063-E ^{6, 7}	FC-AL, FC-SW	N
24	Ultra Enterprise: 10000, 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	SBUS	Sun Solaris: 7 ⁴ , 8 ²	JNI FC64-1063-EMC ^{23, 24, 25, 26, 27}	FC-AL, FC-SW	Y ¹
25	Ultra Enterprise: 10000, 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	SBUS	Sun Solaris: 7 ⁴ , 8 ² , 9 ⁵	Emulex LP9002S-E ^{3, 11, 12} ; JNI: FCE-1063-E ^{6, 7} , FCE2-1063-E ^{6, 7} , FCE2-1473-E ^{7, 8} ; QLLogic QLA2202FS-E ^{9, 10}	FC-AL, FC-SW	Y ¹
26	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ²⁰ , 250, 30, 420R ²⁰ , 450, 60, 80	PCI	Sun Solaris 2.6 ²¹	QLLogic QLA2200F-EMC ^{9, 15, 18}	FC-SW	N
27	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ²⁰ , 250, 30, 420R ²⁰ , 450, 60, 80	PCI	Sun Solaris: 7 ⁴ , 8 ²	QLLogic QLA2200F-EMC ^{9, 15, 18}	FC-SW	Y ¹

1. For FC-AL hub connection not supported for boot device.

2. EMC required Sun patches for Solaris 8:

- 108528-26 SunOS 5.8: kernel update patch.
- 108974-36 SunOS 5.8: data, uata, dad, sd, and scsi patch.
- 109657-09 SunOS 5.8: isp driver patch (for X1062A and X1065A HBAs only).
- 109885-14 SunOS 5.8: glm driver patch (for X6541A HBA only).

3. FCode value 1.40a0.

4. EMC required Sun patches for Solaris 7:

- 106541-28 SunOS 5.7: kernel update patch.
- 106924-11 SunOS 5.7: /kernel/drv/isp and /kernel/drv/sparcvg/isp patch (for X1062A and X1065A HBAs only).
- 106925-09 SunOS 5.7: glm driver patch (for X5641A HBA only).

5. EMC required Sun patches for Solaris 9:

- 112233-08 Sun OS 5.9: kernel patch
- 112834-03 Sun OS 5.9: patch SCSI
- 113277-17 Sun OS 5.9: sd and ssd patch

6. Driver Version 4.1.5. If PowerPath is installed, minimum revision of 3.0.4 is required. Supports SNIA HBA API.

7. FCode value 3.9.

8. Driver Version 5.2.1. Supports SNIA HBA API.

9. Driver Version 4.13. Fcode should be loaded on all HBA's at the time of installation. All drivers and fcode can be downloaded from <http://www.qlogic.com>. Supports SNIA HBA API.

10. FCode value 2.00.01. Fcode should be loaded on all HBA's at the time of installation. All drivers and fcode can be downloaded from <http://www.qlogic.com>. Supports SNIA HBA API.

11. Driver Version 5.02b.

12. Firmware Version 3.91a3.

13. Firmware Version 1.01A2. Driver and firmware available at <http://www.emulex.com>. Supports SNIA HBA API.

14. Supports Dynamic Reconfiguration for Sun Fire 4800 and 6800 only. Minimum Solaris 8 recommended patch bundle 108528-21. Requires system controller firmware patch 112127-02 or higher.

15. FCode value 2.00.06. Fcode should be loaded on all HBA's at the time of installation. All drivers and fcode can be downloaded from <http://www.qlogic.com>. Supports SNIA HBA API.

16. Supports DR on Sun 12K and 15K.

17. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

18. Sun's QLogic cards are not supported due to proprietary drivers, fcode and firmware. Please see http://www.sun.com/service/servicelist/us/detail_ww_ss_hba.html

19. Driver Version 5.2.1.

20. 64-bit HBAs will not fit into the 32-bit slot due to a physical obstruction.

21. EMC required Sun patches for Solaris 2.6:

- 105181-35 SunOS 5.6: kernel update patch
- 105356-23 SunOS 5.6: /kernel/drv/ssd and /kernel/drv/sd patch.
- 105580-19 SunOS 5.6: /kernel/drv/glm patch (for X6541 HBA only).

22. Firmware Version 3.90a7.
23. Mixing FC-SW and FC-AL on the same host using JNI HBAs is not supported.
24. Requires HBA Rev B, C, D, E, G, H and J.
25. For JNI HBAs FC-1063-EMC, FC64-1063-EMC, and FCI-1063-EMC, Tachyon driver 2.6.10 must be used with VxVM versions 3.1.1 or earlier.
26. Driver Version 2.6.13.
27. FCode value 13.5.7.
28. Use of the LP9002DC or QLA2342 requires FCO A0218-1 from Sun for HBA's to operate in 66mhz mode. Without this FCO the HBA's will only come up in 33mhz mode which could have an impact on performance.
29. Firmware Version 1.80a2.
30. Must add "ssd:ssd_max_throttle=20" in /etc/system for Clariion or Symmetrix attach. Must add "forceload drv/ssd" in the /etc/system when these HBA's are installed for Clariion or Symmetrix attach with PowerPath. Do not include the quotes on either entry. MpxIO is not currently supported with EMC storage
31. Driver Version SAN 4.2.
32. Firmware Version 1.14.01.
33. Requires RPQ

Unisys MCP

Unisys

Unisys – Unisys MCP						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	NX6830	Mainframe Bus	Unisys MCP 48.1 (HMP 7.0)	Unisys: FCA621-CU ^{2,5} , FCA622-C ^{2,6} , FCA622-SW ^{2,6} , FCA661-CU ^{2,3} , FCA662-SW ^{1,2} , FCA663-LW ^{2,4}	FC-AL	Y
2	Libra Model 180 ^{8,9}	Mainframe Bus	Unisys MCP 48.1 (HMP 7.0)	Unisys: FCA621-CU ^{5,10} , FCA622-SW ^{6,10} , FCA623-LW ^{10,11} , FCA661-CU ^{3,10} , FCA662-SW ^{1,10} , FCA663-LW ^{4,10}	FC-AL	Y
3	NX5820	Mainframe Bus	Unisys MCP 48.1 (HMP 7.0)	Unisys: FCA621-CU ⁵ , FCA661-CU ³ , FCA662-SW ¹ , FCA663-LW ⁴	FC-AL	Y
4	CS7101 ⁸	PCI	Unisys MCP 48.1 (HMP 7.0)	Emulex LP8000-F1	FC-AL	Y
5	NX5820	Mainframe Bus	Unisys MCP 48.1 (HMP 7.0)	Unisys: FCA622-C ⁶ , FCA622-SW ⁶	FC-AL, FC-SW	Y
6	Libra Model 185	Mainframe Bus, PCI	Unisys MCP 48.1 (HMP 7.0)	Unisys: FCA1850-LC ¹³ , FCA661-CU ^{3,13} , FCA662-SW ^{1,13} , FCA663-LW ^{4,13}	FC-AL, FC-SW	Y
7	CS7101 ⁸	PCI	Unisys MCP 48.1 (HMP 7.0)	Emulex: LP8000-EMC ¹² , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP982-E; QLogic QLA2340-E-SP	FC-AL, FC-SW	Y
8	CS7201 ⁸ , CS7211; LX7100	PCI	Unisys MCP 48.1 (HMP 7.0) ⁷	Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	FC-AL, FC-SW	Y

1. Hi Perform Short Wave
2. Firmware Version 20.032.
3. Hi Perform Fibre Copper
4. Hi Perform Long Wave
5. Fibre Copper
6. Fibre Short Wave
7. Multipath VSS requires Virtual Machine for Clearpath MCP Version 4.0 SR1 with PowerPath 3.0.0 B83 or higher and hardware Plateau 10.3 IC003.
8. Hardware and adapters similar to Unisys ES7000-100, ES7000-200.
9. The Libra 18x includes native MCP, and Virtual Machine for MCP (Windows MCPvm) partitions
10. Firmware Version 20.026.
11. Fibre Long Wave
12. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
13. Firmware Version 01.016.

Unisys OS 2200

Unisys

Unisys – Unisys OS 2200						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Dorado Model: 110, 140, 180	Mainframe Bus	Unisys OS 2200 HMP 8.0	Unisys: FCA622-SW ^{1,2} , FCA662-SW ^{2,3}	FC-AL	Y
2	CS7802	Mainframe Bus	Unisys OS 2200 HMP: 6.1, 7.0, 7.1, 8.0	Unisys FCA662-SW ^{2,3}	FC-AL	Y
3	CS7802	Mainframe Bus	Unisys OS 2200 HMP: 6.1, 7.0, 7.1, 8.0	Unisys FCA622-SW ^{1,2}	FC-AL, FC-SW	Y

1. Fibre Short Wave
2. Firmware Version 2R2.
3. Hi Perform Short Wave

Unisys SB7

Unisys

Unisys – Unisys SB7						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	IX4800; IX5600; IX5800; IX6600; IX6800	Mainframe Bus	Unisys SB7	Unisys: FCA621-CU ⁶ , FCA622-SW ^{1,2} , FCA623-LW ⁷ , FCA661-CU ³ , FCA662-SW ^{2,4} , FCA663-LW ⁵	FC-AL, FC-SW	Y

1. Fibre Short Wave
2. Firmware Version 2R2.
3. Hi Perform Fibre Copper
4. Hi Perform Short Wave
5. Hi Perform Long Wave
6. Fibre Copper
7. Fibre Long Wave

VMware ESX

Dell

Dell – VMware ESX						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	PowerEdge 6450	PCI	VMware ESX v1.5.2 patch2 ^{1, 2, 3, 4}	QLogic: QLA2340-E-SP ⁵ , QLA2342-E-SP ⁵	FC-AL, FC-SW	Y
2	PowerEdge 6450	PCI	VMware ESX v1.5.2 patch3 ^{1, 3, 4, 6}	QLogic: QLA2340-E-SP ⁷ , QLA2342-E-SP ⁷	FC-AL, FC-SW	Y
3	PowerEdge 6450	PCI	VMware ESX v1.5.2 patch4 ^{1, 4, 6}	QLogic QLA2340-E-SP ⁸	FC-AL, FC-SW	Y
4	PowerEdge 6450	PCI	VMware ESX v1.5.2 patch5 ^{1, 4, 6}	QLogic QLA2340-E-SP ⁹	FC-AL, FC-SW	Y
5	PowerEdge 6450	PCI	VMware ESX v1.5.2: patch4 ^{1, 4, 6} , patch5 ^{1, 4, 6}	QLogic QLA2342-E-SP ⁹	FC-AL, FC-SW	Y
6	PowerEdge 6450	PCI	VMware ESX v2.0.1 ^{1, 10, 11}	QLogic: QLA2340-E-SP ^{9, 12} , QLA2342-E-SP ^{9, 12}	FC-AL, FC-SW	Y
7	PowerEdge 6650	PCI-X	VMware ESX v1.5.2 patch2 ^{1, 2, 3, 4}	QLogic: QLA2340-E-SP ⁵ , QLA2342-E-SP ⁵	FC-AL, FC-SW	Y
8	PowerEdge 6650	PCI-X	VMware ESX v1.5.2 patch3 ^{1, 3, 4, 6}	QLogic: QLA2340-E-SP ⁷ , QLA2342-E-SP ⁷	FC-AL, FC-SW	Y
9	PowerEdge 6650	PCI-X	VMware ESX v1.5.2 patch4 ^{1, 4, 6}	QLogic QLA2340-E-SP ⁸	FC-AL, FC-SW	Y
10	PowerEdge 6650	PCI-X	VMware ESX v1.5.2 patch5 ^{1, 4, 6}	QLogic QLA2340-E-SP ⁹	FC-AL, FC-SW	Y
11	PowerEdge 6650	PCI-X	VMware ESX v1.5.2: patch4 ^{1, 4, 6} , patch5 ^{1, 4, 6}	QLogic QLA2342-E-SP ⁹	FC-AL, FC-SW	Y
12	PowerEdge 6650	PCI-X	VMware ESX v2.0.1 ^{1, 10, 11}	QLogic: QLA2340-E-SP ^{9, 12} , QLA2342-E-SP ^{9, 12}	FC-AL, FC-SW	Y

- EMC software will function on neither the VMkernel nor the VMs as the currently-released versions of the SymAPI do not include support for VMware ESX.
- Windows 2000 SP3 and SP4 are qualified to run as Virtual Machines.
- Supported with VMFS.
- Path failover and load-balancing are not supported.
- Supported with QLogic driver v6.03.00b6 included in the VMware ESX v1.5.2 kernel and BIOS v1.34.
- Windows 2000 SP3 and SP4, Windows NT 4.0, and RHEL 2.1 ES/AS are qualified to run as Virtual Machines.
- Supported with QLogic driver v6.04.00-emb included in the VMware ESX v1.5.2 patch 3 release and BIOS v1.34.
- Supported with QLogic driver v6.04.00-emb included in the VMware ESX v1.5.2 patch 4 release and BIOS v1.34.**
- Supported with QLogic driver v6.04.00-emb included in the VMware ESX v1.5.2 patch 5 release and BIOS v1.34.**
- Windows 2000 SP4, Windows 2003, and RHEL 2.1 ES/AS are qualified to run as Virtual Machines.**
- PowerPath is not supported on VMware ESX v2.0.1. However, the native VMware ESX v2.0.1 path failover is supported on Symmetrix 8000 and DMX.**
- Supported with QLogic driver v6.04.02 included in the VMware ESX v2.0.1 release and BIOS v1.34.**

HPQ

HPQ – VMware ESX						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Proliant DL380(G3)	PCI	VMware ESX v1.5.2 patch2 ^{1, 2, 3, 4}	QLogic: QLA2340-E-SP ⁵ , QLA2342-E-SP ⁵	FC-AL, FC-SW	Y
2	Proliant DL380(G3)	PCI	VMware ESX v1.5.2 patch3 ^{1, 3, 4, 8}	QLogic: QLA2340-E-SP ⁷ , QLA2342-E-SP ⁷	FC-AL, FC-SW	Y
3	Proliant DL380(G3)	PCI	VMware ESX v1.5.2 patch4 ^{1, 4, 8}	QLogic QLA2340-E-SP ⁹	FC-AL, FC-SW	Y
4	Proliant DL380(G3)	PCI	VMware ESX v1.5.2 patch5 ^{1, 4, 8}	QLogic QLA2340-E-SP ¹⁰	FC-AL, FC-SW	Y
5	Proliant DL380(G3)	PCI	VMware ESX v1.5.2: patch4 ^{1, 4, 8} , patch5 ^{1, 4, 8}	QLogic QLA2342-E-SP ¹⁰	FC-AL, FC-SW	Y
6	Proliant DL380(G3)	PCI	VMware ESX v2.0.1 ^{1, 11, 12}	QLogic: QLA2340-E-SP ^{10, 13} , QLA2342-E-SP ^{10, 13}	FC-AL, FC-SW	Y
7	Proliant DL760 (G2)	PCI-X	VMware ESX v1.5.2 patch2 ^{1, 2, 3, 4}	QLogic: QLA2340-E-SP ⁵ , QLA2342-E-SP ⁵	FC-AL, FC-SW	Y
8	Proliant DL760 (G2)	PCI-X	VMware ESX v1.5.2 patch3 ^{1, 3, 4, 8}	QLogic: QLA2340-E-SP ⁷ , QLA2342-E-SP ⁷	FC-AL, FC-SW	Y
9	Proliant DL760 (G2)	PCI-X	VMware ESX v1.5.2 patch4 ^{1, 4, 8}	QLogic QLA2340-E-SP ⁹	FC-AL, FC-SW	Y
10	Proliant DL760 (G2)	PCI-X	VMware ESX v1.5.2 patch5 ^{1, 4, 8}	QLogic QLA2340-E-SP ¹⁰	FC-AL, FC-SW	Y
11	Proliant DL760 (G2)	PCI-X	VMware ESX v1.5.2: patch4 ^{1, 4, 8} , patch5 ^{1, 4, 8}	QLogic QLA2342-E-SP ¹⁰	FC-AL, FC-SW	Y
12	Proliant DL760 (G2)	PCI-X	VMware ESX v2.0.1 ^{1, 11, 12}	QLogic: QLA2340-E-SP ^{10, 13} , QLA2342-E-SP ^{10, 13}	FC-AL, FC-SW	Y
13	Proliant: DL580(G2) ⁶ , DL580(G3)	PCI, PCI-X	VMware ESX v1.5.2 patch2 ^{1, 2, 3, 4}	QLogic: QLA2340-E-SP ⁵ , QLA2342-E-SP ⁵	FC-AL, FC-SW	Y
14	Proliant: DL580(G2) ⁶ , DL580(G3)	PCI, PCI-X	VMware ESX v1.5.2 patch3 ^{1, 3, 4, 8}	QLogic: QLA2340-E-SP ⁷ , QLA2342-E-SP ⁷	FC-AL, FC-SW	Y
15	Proliant: DL580(G2) ⁶ , DL580(G3)	PCI, PCI-X	VMware ESX v1.5.2 patch4 ^{1, 4, 8}	QLogic QLA2340-E-SP ⁹	FC-AL, FC-SW	Y
16	Proliant: DL580(G2) ⁶ , DL580(G3)	PCI, PCI-X	VMware ESX v1.5.2 patch5 ^{1, 4, 8}	QLogic QLA2340-E-SP ¹⁰	FC-AL, FC-SW	Y
17	Proliant: DL580(G2) ⁶ , DL580(G3)	PCI, PCI-X	VMware ESX v1.5.2: patch4 ^{1, 4, 8} , patch5 ^{1, 4, 8}	QLogic QLA2342-E-SP ¹⁰	FC-AL, FC-SW	Y
18	Proliant: DL580(G2) ⁶ , DL580(G3)	PCI, PCI-X	VMware ESX v2.0.1 ^{1, 11, 12}	QLogic: QLA2340-E-SP ^{10, 13} , QLA2342-E-SP ^{10, 13}	FC-AL, FC-SW	Y

- EMC software will function on neither the VMkernel nor the VMs as the currently-released versions of the SymAPI do not include support for VMware ESX.
- Windows 2000 SP3 and SP4 are qualified to run as Virtual Machines.
- Supported with VMFS.
- Path failover and load-balancing are not supported.
- Supported with QLogic driver v6.03.00b6 included in the VMware ESX v1.5.2 kernel and BIOS v1.34.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Supported with QLogic driver v6.04.00-emb included in the VMware ESX v1.5.2 patch 3 release and BIOS v1.34.
- Windows 2000 SP3 and SP4, Windows NT 4.0, and RHEL 2.1 ES/AS are qualified to run as Virtual Machines.
- Supported with QLogic driver v6.04.00-emb included in the VMware ESX v1.5.2 patch 4 release and BIOS v1.34.**
- Supported with QLogic driver v6.04.00-emb included in the VMware ESX v1.5.2 patch 5 release and BIOS v1.34.**
- Windows 2000 SP4, Windows 2003, and RHEL 2.1 ES/AS are qualified to run as Virtual Machines.**
- PowerPath is not supported on VMware ESX v2.0.1. However, the native VMware ESX v2.0.1 path failover is supported on Symmetrix 8000 and DMX.**
- Supported with QLogic driver v6.04.02 included in the VMware ESX v2.0.1 release and BIOS v1.34.**

IBM

IBM – VMware ESX						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	xSeries: x360, x440	PCI-X	VMware ESX v1.5.2 patch2 ^{1, 2, 3, 4}	QLogic: QLA2340-E-SP ⁵ , QLA2342-E-SP ⁵	FC-AL, FC-SW	Y
2	xSeries: x360, x440	PCI-X	VMware ESX v1.5.2 patch3 ^{1, 2, 3, 6}	QLogic: QLA2340-E-SP ⁷ , QLA2342-E-SP ⁷	FC-AL, FC-SW	Y
3	xSeries: x360, x440	PCI-X	VMware ESX v1.5.2 patch4 ^{1, 3, 6}	QLogic QLA2340-E-SP ⁸	FC-AL, FC-SW	Y
4	xSeries: x360, x440	PCI-X	VMware ESX v1.5.2 patch5 ^{1, 3, 6}	QLogic QLA2340-E-SP ⁹	FC-AL, FC-SW	Y
5	xSeries: x360, x440	PCI-X	VMware ESX v1.5.2: patch4 ^{1, 3, 6} , patch5 ^{1, 3, 6}	QLogic QLA2342-E-SP ⁹	FC-AL, FC-SW	Y
6	xSeries x360	PCI-X	VMware ESX v2.0.1 ^{1, 10, 11}	QLogic: QLA2340-E-SP ^{9, 12} , QLA2342-E-SP ^{9, 12}	FC-AL, FC-SW	Y
7	xSeries x445	PCI, PCI-X	VMware ESX v2.0.1 ^{1, 10, 11}	QLogic: QLA2340-E-SP ^{9, 12} , QLA2342-E-SP ^{9, 12}	FC-AL, FC-SW	Y

- EMC software will function on neither the VMkernel nor the VMs as the currently-released versions of the SymAPI do not include support for VMware ESX.
- Supported with VMFS.
- Path failover and load-balancing are not supported.
- Windows 2000 SP3 and SP4 are qualified to run as Virtual Machines.
- Supported with QLogic driver v6.03.00b6 included in the VMware ESX v1.5.2 kernel and BIOS v1.34.
- Windows 2000 SP3 and SP4, Windows NT 4.0, and RHEL 2.1 ES/AS are qualified to run as Virtual Machines.
- Supported with QLogic driver v6.04.00-emc included in the VMware ESX v1.5.2 patch 3 release and BIOS v1.34.
- Supported with QLogic driver v6.04.00-emc included in the VMware ESX v1.5.2 patch 4 release and BIOS v1.34.
- Supported with QLogic driver v6.04.00-emc included in the VMware ESX v1.5.2 patch 5 release and BIOS v1.34.
- Windows 2000 SP4, Windows 2003, and RHEL 2.1 ES/AS are qualified to run as Virtual Machines.
- PowerPath is not supported on VMware ESX v2.0.1. However, the native VMware ESX v2.0.1 path failover is supported on Symmetrix 8000 and DMX.
- Supported with QLogic driver v6.04.02 included in the VMware ESX v2.0.1 release and BIOS v1.34.

Clustered Host

EMC has qualified the following clustered hosts. No other clustered hosts are supported at this time. NOTE: Please refer to the appropriate vendor Base Connectivity table(s) for more information concerning HBA driver, firm-ware, cables, operating system requirements and other special notes.

Fujitsu Solaris Fujitsu

Fujitsu – Fujitsu Solaris					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Solaris 8	Fujitsu PRIMECLUSTER 4.1 ^{1, 2}	HA: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E; Fujitsu PW008FC2
2	PRIMEPOWER: 1500, 2500, 900	Fujitsu Solaris: 8 02/02, 9 04/03	Fujitsu PRIMECLUSTER 4.1 ^{1, 2, 3}	HA: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E; Fujitsu PW008FC2
3	PRIMEPOWER: 250, 450	Fujitsu Solaris 8 02/02	Fujitsu PRIMECLUSTER 4.1 ^{1, 2}	HA: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E; Fujitsu PW008FC2
4	PRIMEPOWER: 250, 450, 650, 850, GP7000F 1000, GP7000F 200, GP7000F 2000, GP7000F 400, GP7000F 600, GP7000F 800	Fujitsu Solaris 9 04/03 ⁴	Fujitsu PRIMECLUSTER 4.1 ^{1, 2, 3}	HA: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E; Fujitsu PW008FC2
5	PRIMEPOWER: 650, 850	Fujitsu Solaris 8 850/650	Fujitsu PRIMECLUSTER 4.1 ^{1, 2}	HA: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E; Fujitsu PW008FC2

- The PRIMECLUSTER V4.0 family of software products consists of the following components: Reliant Monitor Services RMS 4.0A, Cluster Foundation CF 4.0A, Wizard Tools WT 4.0A and Application Wizards AW, Scalable Internet Services SIS 4.0A, Parallel Application Services PAS 4.0A, Global File Services GFS 4.0, Global Disk Services GDS 4.0, Global Link Services GLS 4.0
- GDS requires Fujitsu PCL Fibre Channel driver PFCA2.2.1.
- PRIMECLUSTER 4.1A10 requires patch 901110-03 for Solaris 8, or 901111-03 for Solaris 9.
- PRIMECLUSTER 4.1A10 is required with Solaris 9. Solaris 9 requires patch 112902-11 with PRIMECLUSTER 4.1A10

Fujitsu Siemens Solaris Fujitsu Siemens

Fujitsu Siemens – Fujitsu Siemens Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Siemens Solaris 8 02/02	Fujitsu Siemens PRIMECLUSTER 3.0 ¹⁰	HA: 2, OPS: 2, RAC: 2	Fujitsu Siemens LP9802-E (GP70F-CF31)	See ⁸
2	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Siemens Solaris: 7 Nov 99, 8 02/02	Fujitsu Siemens PRIMECLUSTER 3.0 ¹⁰	HA: 2, OPS: 2, RAC: 2	Fujitsu Siemens LP9002-E (LP9002L-E) GP70F-CF30 ⁹	See ⁸
3	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	Fujitsu Siemens Solaris: 7 Nov 99, 8 02/02	Fujitsu Siemens PRIMECLUSTER 3.0 ¹⁰	HA: 4 ¹³	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{11, 12}	See ⁸
4	PRIMEPOWER: 1500, 250, 2500, 450, 900	Fujitsu Siemens Solaris 8 02/02	Fujitsu Siemens PRIMECLUSTER 3.0 ¹⁰	HA: 4 ¹³	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	
5	PRIMEPOWER: 1500, 250, 2500, 450, 900	Fujitsu Siemens Solaris 8 02/02	Fujitsu Siemens PRIMECLUSTER 4.0 ¹⁵	HA: 4	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	See ⁸
6	PRIMEPOWER: 1500, 250, 2500, 450, 900	Fujitsu Siemens Solaris 8 02/02	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 3.5 ¹	HA: 8	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	
7	PRIMEPOWER: 1500, 250, 2500, 450, 900	Fujitsu Siemens Solaris 8 02/02	Veritas DBED/AC for 9iRAC 3.5 ^{1, 2, 3, 4, 5, 6}	RAC: 4 ⁷	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	

Fujitsu Siemens – Fujitsu Siemens Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
8	PRIMEPOWER: 1500, 250, 2500, 450, 900	Fujitsu Siemens Solaris: 8 02/02, 9 04/03	Fujitsu Siemens PRIMECLUSTER 4.1 ¹⁶	HA: 2, RAC: 2	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	See ⁸
9	PRIMEPOWER: 650, 850	Fujitsu Siemens Solaris 8 02/02	Fujitsu Siemens PRIMECLUSTER 3.0 ¹⁰	HA: 4 ¹³	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{11, 12}	See ^{8, 14}
10	PRIMEPOWER: 650, 850	Fujitsu Siemens Solaris 8 02/02	Fujitsu Siemens PRIMECLUSTER 3.0 ¹⁰	HA: 4 ¹³	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	See ⁸
11	PRIMEPOWER: 650, 850, GP7000F 1000, GP7000F 200, GP7000F 2000, GP7000F 400, GP7000F 600, GP7000F 800	Fujitsu Siemens Solaris 8 02/02	Fujitsu Siemens PRIMECLUSTER 4.0 ¹⁵	HA: 4	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{11, 12} , LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	See ⁸
12	PRIMEPOWER: 650, 850, GP7000F 1000, GP7000F 200, GP7000F 2000, GP7000F 400, GP7000F 600, GP7000F 800	Fujitsu Siemens Solaris 8 02/02	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 3.5 ^{1, 2}	HA: 8	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X), LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	
13	PRIMEPOWER: 650, 850, GP7000F 1000, GP7000F 200, GP7000F 2000, GP7000F 400, GP7000F 600, GP7000F 800	Fujitsu Siemens Solaris 8 02/02	Veritas DBED/AC for 9iRAC 3.5 ^{1, 2, 3, 4, 5, 6}	RAC: 4 ⁷	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X), LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	
14	PRIMEPOWER: 650, 850, GP7000F 1000, GP7000F 200, GP7000F 2000, GP7000F 400, GP7000F 600, GP7000F 800	Fujitsu Siemens Solaris: 8 02/02, 9 04/03	Fujitsu Siemens PRIMECLUSTER 4.1 ¹⁶	HA: 2, RAC: 2	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{11, 12} , LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	See ⁸

- GAB disks (membership and service group heartbeat disks) are not supported.
- For configurations with PowerPath 3.0.1 use native names only, and no power devices.
- If all FC connectivity to the array is lost (without a server shutdown), then after connectivity is restored, the user must execute a vxctl enable command, before the VCS Oracle 9iRAC service group is brought back online.
- Requires minimum microcode level of 5669.45.24 for support of TimeFinder and/or SRDF.
- Requires Symmetrix 8000 Series, PowerPath 3.0.4 or later, VxVM 3.5 or later or Solstice Disk Suite (SDS) 4.2.1. Supported with Microcode 5568.52.18. 5567 code revisions supported are 5567.46.24 or 5567.53.30. 5567.53.30 requires the PGR Phase 4 E-pack. Symmetrix "PER" volume flag for Persistent Reservation support for devices accessible through more than two paths.
- Symmetrix SCSI-3 "PER" volume flag setting required for devices accessible through two or more paths.
- Veritas MP1 is required for clusters with more than 2 servers
- Also supports Fujitsu Technology Solutions Inc.
- FSC requires all patches for Solaris 7 be obtained through FSC in the form of a Solaris 7 PTF patch CD. The current patch CD is Solaris 7 PTF R03111.**
- The PRIMECLUSTER V3.0 family of software products consists of: Cluster Foundation (CF) 1.5, Reliant Monitor Services (RMS) 3.1, Scalable Internet Services (SIS) 2.5, Parallel Application Services (PAS) 1.0, Wizard Tools WT 3.3.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- 5-64 nodes on special release available via RPQ.
- For use in US/Europe only. Refer to Fujitsu Base Connectivity information for Asia Pacific/Japan.
- The PRIMECLUSTER V4.0 family of software products consists of the following components: Reliant Monitor Services RMS 4.0A, Cluster Foundation CF 4.0A, Wizard Tools WT 4.0A and Application Wizards AW, Scalable Internet Services SIS 4.0A, Parallel Application Services PAS 4.0A, Global File Services GFS 4.0, Global Disk Services GDS 4.0, Global Link Services GLS 4.0
- GDS requires Fujitsu PCL Fibre Channel driver PFCA2.2.1.

HPQ HP-UX HPQ

HPQ – HPQ HP-UX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	HP 9000 rp5430 (L1500)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	Legato: Automated Availability Manager (LAAM) 5.0 (Base) ^{20, 21} LAAM (Legato Cluster) 4.8. ^{20, 21}	HA: 16	HPQ: A5158A, A6795A ¹⁶	
2	HP 9000: D270, D280, D290, D370, D380, D390, R380, R390	HPQ HP-UX 11.0 ^{1, 2, 3, 19}	HPQ MC/Service Guard OPS: 11.09 ^{5, 6, 11} , 11.12 ^{5, 11}	OPS: 8	HPQ A6684A ⁸	See ^{1, 18}
3	HP 9000: D270, D280, D290, D370, D380, D390, R380, R390	HPQ HP-UX 11.0 ^{1, 2, 3, 19}	HPQ MC/Service Guard OPS: 11.13 ^{5, 6, 11} , 11.14 ^{5, 6, 11}	OPS: 16, RAC: 8 ¹³	HPQ A6684A ⁸	See ^{1, 18}
4	HP 9000: D270, D280, D290, D370, D380, D390, R380, R390	HPQ HP-UX 11.0 ^{1, 2, 3, 19}	HPQ MC/Service Guard: 11.09 ^{5, 6} , 11.12 ⁵ , 11.13 ^{5, 6} , 11.14 ^{5, 6}	HA: 16	HPQ A6684A ⁸	See ^{1, 18}
5	HP 9000: D270, D280, D290, D370, D380, D390, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3, 4}	HPQ MC/Service Guard 11.09 ^{5, 6}	HA: 16 ⁷	HPQ A6684A ⁸	See ^{1, 2}
6	HP 9000: D270, D280, D290, D370, D380, D390, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3, 4}	HPQ MC/Service Guard 11.13 ^{5, 6}	HA: 16 ⁹	HPQ A6684A ⁸	See ^{1, 2}
7	HP 9000: D270, D280, D290, D370, D380, D390, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3, 4}	HPQ MC/Service Guard 11.14 ^{5, 6}	HA: 16 ¹⁰	HPQ A6684A ⁸	See ^{1, 2}
8	HP 9000: D270, D280, D290, D370, D380, D390, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3, 4}	HPQ MC/Service Guard 11.15 ^{5, 10} , 24	HA: 16	HPQ A6684A ⁸	See ^{1, 2}
9	HP 9000: D270, D280, D290, D370, D380, D390, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3, 4}	HPQ MC/Service Guard OPS 11.09 ⁵ , 6, 11	OPS: 8 ¹²	HPQ A6684A ⁸	See ^{1, 2}
10	HP 9000: D270, D280, D290, D370, D380, D390, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3, 4}	HPQ MC/Service Guard OPS 11.13 ⁵ , 6, 11	OPS: 16 ¹⁴ , RAC: 8 ¹³ , 14	HPQ A6684A ⁸	See ^{1, 2}
11	HP 9000: D270, D280, D290, D370, D380, D390, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3, 4}	HPQ MC/Service Guard OPS 11.14 ⁵ , 6, 11	OPS: 16 ¹⁵ , RAC: 8 ¹³ , 15	HPQ A6684A ⁸	See ^{1, 2}
12	HP 9000: D270, D280, D290, D370, D380, D390, R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3, 4}	Veritas Cluster Server (VCS) 3.5 ²² , 23	HA: 8	HPQ A6684A ⁸	See ^{1, 2}

HPQ – HPQ HP-UX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
13	HP 9000: K220, K250, K260, K360, K370, K380, K420, K450, K460, K570, K580	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	HPQ MC/Service Guard 11.09 ^{5,6}	HA: 16 ⁷	HPQ A6685A ⁸	See ^{1,2}
14	HP 9000: K220, K250, K260, K360, K370, K380, K420, K450, K460, K570, K580	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	HPQ MC/Service Guard 11.13 ^{5,6}	HA: 16 ⁹	HPQ A6685A ⁸	See ^{1,2}
15	HP 9000: K220, K250, K260, K360, K370, K380, K420, K450, K460, K570, K580	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	HPQ MC/Service Guard 11.14 ^{5,6}	HA: 16 ¹⁰	HPQ A6685A ⁸	See ^{1,2}
16	HP 9000: K220, K250, K260, K360, K370, K380, K420, K450, K460, K570, K580	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	HPQ MC/Service Guard 11.15 ^{5,10,24}	HA: 16	HPQ A6685A ⁸	See ^{1,2}
17	HP 9000: K220, K250, K260, K360, K370, K380, K420, K450, K460, K570, K580	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	HPQ MC/Service Guard OPS 11.09 ^{5,6,11}	OPS: 8 ¹²	HPQ A6685A ⁸	See ^{1,2}
18	HP 9000: K220, K250, K260, K360, K370, K380, K420, K450, K460, K570, K580	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	Veritas Cluster Server (VCS) 3.5 ^{22,23}	HA: 8	HPQ A6685A ⁸	See ^{1,2}
19	HP 9000: K220, K420	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	HPQ MC/Service Guard OPS 11.13 ^{5,6,11}	OPS: 16 ¹⁴	HPQ A6685A ⁸	See ^{1,2}
20	HP 9000: K220, K420	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	HPQ MC/Service Guard OPS 11.14 ^{5,6,11}	OPS: 16 ¹⁵	HPQ A6685A ⁸	See ^{1,2}
21	HP 9000: K250, K260, K360, K370, K380, K450, K460, K570, K580	HPQ HP-UX 11.01, 2, 3, 19	HPQ MC/Service Guard OPS: 11.09 ^{5,6,11} , 11.12 ^{5,11}	OPS: 8	HPQ A6685A ⁸	See ^{1,18}
22	HP 9000: K250, K260, K360, K370, K380, K450, K460, K570, K580	HPQ HP-UX 11.01, 2, 3, 19	HPQ MC/Service Guard OPS: 11.13 ^{5,6,11} , 11.14 ^{5,6,11}	OPS: 16, RAC: 8 ¹³	HPQ A6685A ⁸	See ^{1,18}
23	HP 9000: K250, K260, K360, K370, K380, K450, K460, K570, K580	HPQ HP-UX 11.01, 2, 3, 19	HPQ MC/Service Guard: 11.09 ^{5,6} , 11.12 ^{5,11} , 11.13 ^{5,6} , 11.14 ^{5,6}	HA: 16	HPQ A6685A ⁸	See ^{1,18}
24	HP 9000: K250, K260, K360, K370, K380, K450, K460, K570, K580	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	HPQ MC/Service Guard OPS 11.13 ^{5,6,11}	OPS: 16, RAC: 8 ^{13,14}	HPQ A6685A ⁸	See ^{1,2}
25	HP 9000: K250, K260, K360, K370, K380, K450, K460, K570, K580	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	HPQ MC/Service Guard OPS 11.14 ^{5,6,11}	OPS: 16, RAC: 8 ^{13,15}	HPQ A6685A ⁸	See ^{1,2}
26	HP 9000: N-Class (N4000), rp2405, rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp2470, rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ¹⁷ , rp7400	HPQ HP-UX 11.01, 2, 3, 19	HPQ MC/Service Guard: 11.13 ^{5,6} , 11.14 ^{5,6}	HA: 16	HPQ: A5158A ⁸ , A6795A ^{8,16}	See ^{1,18}
27	HP 9000: N-Class (N4000), rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ¹⁷ , rp7400	HPQ HP-UX 11.01, 2, 3, 19	HPQ MC/Service Guard OPS: 11.09 ^{5,6,11} , 11.12 ^{5,11}	OPS: 8	HPQ: A5158A ⁸ , A6795A ^{8,16}	See ^{1,18}
28	HP 9000: N-Class (N4000), rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ¹⁷ , rp7400	HPQ HP-UX 11.01, 2, 3, 19	HPQ MC/Service Guard: 11.09 ^{5,6} , 11.12 ⁵	HA: 16	HPQ: A5158A ⁸ , A6795A ^{8,16}	See ^{1,18}
29	HP 9000: N-Class (N4000), SUPERDOME, rp2405, rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp2470, rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ¹⁷ , rp7400, rp7405, rp7410, rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	HPQ MC/Service Guard 11.13 ^{5,6}	HA: 16 ⁹	HPQ: A5158A ⁸ , A6795A ^{8,16}	See ^{1,2}
30	HP 9000: N-Class (N4000), SUPERDOME, rp2405, rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp2470, rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ¹⁷ , rp7400, rp7405, rp7410, rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	HPQ MC/Service Guard 11.14 ^{5,6}	HA: 16 ¹⁰	HPQ: A5158A ⁸ , A6795A ^{8,16}	See ^{1,2}
31	HP 9000: N-Class (N4000), SUPERDOME, rp2405, rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp2470, rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ¹⁷ , rp7400, rp7405, rp7410, rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	HPQ MC/Service Guard 11.15 ^{5,10,24}	HA: 16	HPQ: A5158A ⁸ , A6795A ^{8,16}	See ^{1,2}
32	HP 9000: N-Class (N4000), SUPERDOME, rp2405, rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp2470, rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ¹⁷ , rp7400, rp7405, rp7410, rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	HPQ MC/Service Guard OPS 11.13 ^{5,6,11}	OPS: 16, RAC: 8 ^{13,14}	HPQ: A5158A ⁸ , A6795A ^{8,16}	See ^{1,2}
33	HP 9000: N-Class (N4000), SUPERDOME, rp2405, rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp2470, rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ¹⁷ , rp7400, rp7405, rp7410, rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	Veritas Cluster Server (VCS) 3.5 ^{22,23}	HA: 8	HPQ: A5158A ⁸ , A6795A ^{8,16}	See ^{1,2}
34	HP 9000: N-Class (N4000), SUPERDOME, rp2405, rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp2470, rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ¹⁷ , rp7400, rp7405, rp7410, rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ: A5158A ⁸ , A6795A ¹⁶	
35	HP 9000: N-Class (N4000), SUPERDOME, rp2405, rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp2470, rp5400 (L1000), rp5405, rp5430 (L1500), rp5470 (L3000) ¹⁷ , rp7400, rp7405, rp7410, rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	HPQ MC/Service Guard OPS 11.14 ^{5,6,11}	OPS: 16, RAC: 8 ^{13,15}	HPQ: A5158A ⁸ , A6795A ^{8,16}	See ^{1,2}
36	HP 9000: N-Class (N4000), SUPERDOME, rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ¹⁷ , rp7400, rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	HPQ MC/Service Guard 11.09 ^{5,6}	HA: 16 ⁷	HPQ: A5158A ⁸ , A6795A ^{8,16}	See ^{1,2}
37	HP 9000: N-Class (N4000), SUPERDOME, rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ¹⁷ , rp7400, rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3,4}	HPQ MC/Service Guard OPS 11.09 ^{5,6,11}	OPS: 8 ¹²	HPQ: A5158A ⁸ , A6795A ^{8,16}	See ^{1,2}
38	HP 9000: N-Class (N4000), V2200, V2250, V2500, V2600, rp2405, rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp2470, rp5400 (L1000), rp5450 (L2000), rp7400	HPQ HP-UX 11.01, 2, 3, 19	HPQ MC/Service Guard OPS: 11.13 ^{5,6,11} , 11.14 ^{5,6,11}	OPS: 16, RAC: 8 ¹³	HPQ A5158A ⁸	See ^{1,18}

HPQ – HPQ HP–UX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
39	HP 9000: rp5400 (L1000), rp5450 (L2000)	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{3,4}	HPQ MC/Service Guard OPS 11.14 ^{5,6,11}	OPS: 16 ¹⁵ RAC: 8 ¹³	HPQ: A5158A ⁸ , A6795A ^{8,16}	See ^{1,2}
40	HP 9000: rp5405, rp5430 (L1500), rp5470 (L3000) ¹⁷	HPQ HP–UX 11.01, 2, 3, 19	HPQ MC/Service Guard OPS: 11.13 ^{5,6} , 11.14 ^{5,6,11}	OPS: 16, RAC: 8 ¹³	HPQ: A5158A ⁸ , A6795A ^{8,16}	See ^{1,18}
41	HP 9000: SUPERDOME, rp2470, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ¹⁷ , rp7400, rp7410, rp8400	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ³	HPQ MC/Service Guard 11.15 ^{5,10,24}	HA: 16	HPQ A6826A	
42	HP 9000: SUPERDOME, rp2470, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ¹⁷ , rp7400, rp7410, rp8400	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ³	HPQ MC/Service Guard OPS: 11.13 ^{5,6,14} , 11.14 ^{5,6,15}	HA: 16, OPS: 8 ¹³	HPQ: A6826A, A9782A	
43	HP 9000: SUPERDOME, rp2470, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ¹⁷ , rp7400, rp7410, rp8400	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ³	HPQ MC/Service Guard: 11.13 ^{5,6,9} , 11.14 ^{5,6,10}	HA: 16	HPQ: A6826A, A9782A	
44	HP 9000: V2200, V2250, V2500, V2600	HPQ HP–UX 11.01, 2, 3, 19	HPQ MC/Service Guard OPS: 11.09 ^{5,6,11} , 11.12 ^{5,11}	OPS: 8	HPQ A5158A ⁸	See ^{1,18}
45	HP 9000: V2200, V2250, V2500, V2600	HPQ HP–UX 11.01, 2, 3, 19	HPQ MC/Service Guard: 11.09 ^{5,6} , 11.12 ⁵ , 11.13 ^{5,6} , 11.14 ^{5,6}	HA: 16	HPQ A5158A ⁸	See ^{1,18}
46	HP 9000: V2200, V2250, V2500, V2600	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ³	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ A5158A	
47	HP 9000: V2200, V2250, V2500, V2600	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{3,4}	HPQ MC/Service Guard 11.09 ^{5,6}	HA: 16 ⁷	HPQ A5158A ⁸	See ^{1,2}
48	HP 9000: V2200, V2250, V2500, V2600	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{3,4}	HPQ MC/Service Guard 11.13 ^{5,6}	HA: 16 ⁹	HPQ A5158A ⁸	See ^{1,2}
49	HP 9000: V2200, V2250, V2500, V2600	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{3,4}	HPQ MC/Service Guard 11.14 ^{5,6}	HA: 16 ¹⁰	HPQ A5158A ⁸	See ^{1,2}
50	HP 9000: V2200, V2250, V2500, V2600	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{3,4}	HPQ MC/Service Guard 11.15 ^{5,10,24}	HA: 16	HPQ A5158A ⁸	See ^{1,2}
51	HP 9000: V2200, V2250, V2500, V2600	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{3,4}	HPQ MC/Service Guard OPS 11.09 ^{5,6,11}	OPS: 8 ¹²	HPQ A5158A ⁸	See ^{1,2}
52	HP 9000: V2200, V2250, V2500, V2600	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{3,4}	HPQ MC/Service Guard OPS 11.13 ^{5,6,11}	OPS: 16 ¹⁴ RAC: 8 ^{13,14}	HPQ A5158A ⁸	See ^{1,2}
53	HP 9000: V2200, V2250, V2500, V2600	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{3,4}	HPQ MC/Service Guard OPS 11.14 ^{5,6,11}	OPS: 16 ¹⁵ RAC: 8 ^{13,15}	HPQ A5158A ⁸	See ^{1,2}
54	HP 9000: V2200, V2250, V2500, V2600	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{3,4}	Veritas Cluster Server (VCS) 3.5 ^{22,23}	HA: 8	HPQ A5158A ⁸	See ^{1,2}
55	Integrity: RX2600 (Itanium2), RX4610, RX4640, RX5670 (Itanium2), RX7620, Superdome, rx8620	HPQ HP–UX 11i v2.0 (HP–UX 11.23) ²⁵	HPQ MC/Service Guard 11.15 ^{5,24}	HA: 16	HPQ A6795A ¹⁶	

- FCAL on Symm 6 supported by direct attach only
- Symm6: 512 lun limit per FA port
- For HP–UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange –r N /dev/vg01/lvol1 or lvcreate –r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror–UX, then this flag should not be set.
- Symm 6 is qualified with: HP–UX 11i Support Plus Sept '02 bundle = GOLDAPPS11i June '02, GOLDBASE11i June '02 & HWEnable11i Sept '02.
- Refer to MC/Service Guard Release Notes at www.docs.hp.com for patch requirements.
- Can mix HP–UX 11.00 and HP–UX 11i in same cluster, all nodes must be MC/SG 11.09, 11.13 or later.
- Volume Managers Supported: LVM
- For driver versions refer to Base Connectivity Section
- Volume Managers Supported: LVM, VxVM 3.2
- Volume Managers Supported: LVM, VxVM 3.2, VxVM 3.5
- Number of nodes supported is dependent upon LVM, SLVM, VxVM, and CVM. Refer to EMC Host Connectivity Guide for HP–UX.
- Volume Managers Supported: LVM, SLVM
- HP–UX 11.0 and 11i: 64-bit only. Oracle RAC9i (9.0.1, 9.2). PowerPath 2.1.x and 3.0 Support. A SAN implementation with ISLs will observe significant delay in failover times if link failures non-contiguous to host HBA occur.
- Volume Managers Supported: LVM, SLVM, VxVM 3.2
- Volume Managers Supported: LVM, SLVM, VxVM 3.2, VxVM 3.5
- As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)

L2000 (product number A5191A)

N4000 Revision A (product number A3639A)

N4000 Revision B (product number A3639B)

17. PA–8700 processors: Initial support with HP–UX 11.0 Sept 2001, HP–UX 11i Sept 2001.

18. Symm 6 is qualified with: HP–UX 11.00 Support Plus Sept '02 bundle = QPK1100 Sept '02 & HWE1100 Sept '02

19. On HP–UX 11.00 LVM support only – no VxVM

20. LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.

21. LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24, 5568.58.12 or 5x69

22. GAB disks (membership and service group heartbeat disks) are not supported.

23. Review the single attach table for supported PowerPath versions and volume manager restrictions.

24. MC/ServiceGuard 11.15 is supported on HP–UX 11i v1.0 and HP–UX 11i v2.0 only

25. Minimum microcode revision level 5670.23.25.
5568 and 5669 are on a RPQ basis at this time.

HPQ Open VMS

HPQ

HPQ – HPQ Open VMS						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	AlphaServer DS25	HPQ Open VMS V7.3-1	HPQ VMS Cluster License only ³	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), FCA2384 (LP9802) ⁵ , KGPSA-CA (168794-B21), KGPSA-DA (261329-B21), KGPSA-EA ⁵	See ¹
2	AlphaServer ES40	HPQ Open VMS: V7.2-2 ² , V7.3-1, V7.3 ⁴	HPQ VMS Cluster License only ³	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), FCA2384 (LP9802) ⁵ , KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21), KGPSA-EA	See ¹
3	AlphaServer ES45	HPQ Open VMS: V7.3-1, V7.3 ⁴	HPQ VMS Cluster License only ³	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), FCA2384 (LP9802) ⁵ , KGPSA-CA (168794-B21), KGPSA-DA (261329-B21), KGPSA-EA ⁵	See ¹
4	AlphaServer: 1200, 4000, 4100, 8200, 8400, GS140	HPQ Open VMS: V7.2-2 ² , V7.3-1, V7.3 ⁴	HPQ VMS Cluster License only ³	HA: 16, OPS: 4	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	See ¹
5	AlphaServer: DS10, DS10L, DS20, DS20E, GS60	HPQ Open VMS: V7.2-2 ² , V7.3-1, V7.3 ⁴	HPQ VMS Cluster License only ³	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ¹
6	AlphaServer: ES47, ES80, GS1280	HPQ Open VMS V7.3-1	HPQ VMS Cluster License only ³	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), FCA2384 (LP9802) ⁵ , KGPSA-DA (261329-B21), KGPSA-EA ⁵	See ¹
7	AlphaServer: GS160, GS320, GS80	HPQ Open VMS: V7.2-2 ² , V7.3-1, V7.3 ⁴	HPQ VMS Cluster License only ³	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), FCA2384 (LP9802) ⁵ , KGPSA-CA (168794-B21), KGPSA-DA (261329-B21), KGPSA-EA	See ¹

1. Refer to Base Connectivity, Fibre Channel Connectivity HPQ sections for connectivity details.
2. Open VMS 7.2-2 FC-SW requires console firmware 5.6 or later and patch VMS722_fibre_SCSI-V0100.
3. No specific clustering s/w required.
4. Open VMS 7.3 FC-SW requires console firmware 5.6 or later and patch VMS73_update-V0100 or patch VMS73_fibre_SCSI-V0200.
5. FCA2384(KGPSA-EA): Latest firmware revision 1.00X6

HPQ OpenVMS V7.3-2

HPQ

HPQ – HPQ OpenVMS V7.3-2						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	AlphaServer: 1200, 4000, 4100, 8200, 8400, GS140	HPQ OpenVMS V7.3-2	HPQ VMS Cluster License only ²	HA: 16, OPS: 4	HPQ KGPSA-CA (168794-B21)	See ¹
2	AlphaServer: DS10, DS10L, DS20, DS20E, GS60	HPQ OpenVMS V7.3-2	HPQ VMS Cluster License only ²	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ¹
3	AlphaServer: DS25, ES45	HPQ OpenVMS V7.3-2	HPQ VMS Cluster License only ²	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), FCA2384 (LP9802) ³ , KGPSA-CA (168794-B21), KGPSA-DA (261329-B21), KGPSA-EA ³	See ¹
4	AlphaServer: ES40, GS160, GS320, GS80	HPQ OpenVMS V7.3-2	HPQ VMS Cluster License only ²	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), FCA2384 (LP9802) ³ , KGPSA-CA (168794-B21), KGPSA-DA (261329-B21), KGPSA-EA	See ¹
5	AlphaServer: ES47, ES80, GS1280	HPQ OpenVMS V7.3-2	HPQ VMS Cluster License only ²	HA: 16, OPS: 4	HPQ: FCA2354 (LP9002), FCA2384 (LP9802) ³ , KGPSA-DA (261329-B21), KGPSA-EA ³	See ¹

1. Refer to Base Connectivity, Fibre Channel Connectivity HPQ sections for connectivity details.
2. No specific clustering s/w required.
3. FCA2384(KGPSA-EA): Latest firmware revision 1.00X6

HPQ Tru64 UNIX

HPQ

HPQ – HPQ Tru64 UNIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	AlphaServer DS20L	HPQ Tru64 UNIX V5.1A ^{3,5}	HPQ TruCluster V5.1A ⁴	HA: 8, OPS: 8, RAC: 8	HPQ KGPSA-CA (168794-B21)	See ¹
2	AlphaServer DS20L	HPQ Tru64 UNIX V5.1B-1 ³	HPQ TruCluster V5.1B-1 ⁴	HA: 8, OPS: 8, RAC: 8	HPQ KGPSA-CA (168794-B21)	See ¹
3	AlphaServer DS20L	HPQ Tru64 UNIX V5.1B ^{3,6}	HPQ TruCluster V5.1B ⁴	HA: 8, OPS: 8, RAC: 8	HPQ KGPSA-CA (168794-B21)	See ¹
4	AlphaServer: 1200, 4000, 4100, 8200, 8400, DS10, DS10L, DS20, DS20E, ES40, GS140, GS60	HPQ Tru64 UNIX: V4.0F ¹⁰ , V4.0G ¹²	HPQ TruCluster Available Server V1.6 ¹¹	HA: 4	HPQ KGPSA-CA (168794-B21)	
5	AlphaServer: 1200, 4000, 4100, 8200, 8400, DS10, DS10L, DS20, DS20E, ES40, GS140, GS60	HPQ Tru64 UNIX: V4.0F ¹⁰ , V4.0G ¹²	HPQ TruCluster Production Server V1.6 ¹¹	HA: 4, OPS: 8	HPQ KGPSA-CA (168794-B21)	
6	AlphaServer: 1200, 4000, 4100, 8200, 8400, GS140, GS60	HPQ Tru64 UNIX V5.12 ³	HPQ TruCluster V5.1 ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	See ¹
7	AlphaServer: 1200, 4000, 4100, 8200, 8400, GS140, GS60	HPQ Tru64 UNIX V5.1A ^{3,5}	HPQ TruCluster V5.1A ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	See ¹
8	AlphaServer: 1200, 4000, 4100, 8200, 8400, GS140, GS60	HPQ Tru64 UNIX V5.1B-1 ³	HPQ TruCluster V5.1B-1 ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	See ¹
9	AlphaServer: 1200, 4000, 4100, 8200, 8400, GS140, GS60	HPQ Tru64 UNIX V5.1B ^{3,6}	HPQ TruCluster V5.1B ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	See ¹

HPQ – HPQ Tru64 UNIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
10	AlphaServer: DS10, DS10L, DS20, DS20E, ES40	HPQ Tru64 UNIX V5.12, ³	HPQ TruCluster V5.1 ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ¹
11	AlphaServer: DS10, DS20E, ES40	HPQ Tru64 UNIX V5.1A ^{3,5}	HPQ TruCluster V5.1A ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ¹
12	AlphaServer: DS10, DS20E, ES40	HPQ Tru64 UNIX V5.1B-1 ³	HPQ TruCluster V5.1B-1 ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ¹
13	AlphaServer: DS10, DS20E, ES40	HPQ Tru64 UNIX V5.1B ^{3,6}	HPQ TruCluster V5.1B ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ¹
14	AlphaServer: DS10L, DS20	HPQ Tru64 UNIX V5.1A ^{3,5}	HPQ TruCluster V5.1A ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ¹
15	AlphaServer: DS10L, DS20	HPQ Tru64 UNIX V5.1B-1 ³	HPQ TruCluster V5.1B-1 ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ¹
16	AlphaServer: DS10L, DS20	HPQ Tru64 UNIX V5.1B ^{3,6}	HPQ TruCluster V5.1B ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ¹
17	AlphaServer: DS25, ES45, GS160, GS320, GS80	HPQ Tru64 UNIX V5.1A ^{3,5}	HPQ TruCluster V5.1A ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ¹
18	AlphaServer: DS25, ES45, GS160, GS320, GS80	HPQ Tru64 UNIX V5.1B-1 ³	HPQ TruCluster V5.1B-1 ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ¹
19	AlphaServer: DS25, ES45, GS160, GS320, GS80	HPQ Tru64 UNIX V5.1B ^{3,6}	HPQ TruCluster V5.1B ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ¹
20	AlphaServer: ES47, ES80, GS1280	HPQ Tru64 UNIX V5.1B-1 ³	HPQ TruCluster V5.1B-1 ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-DA (261329-B21)	See ¹
21	AlphaServer: ES47, ES80, GS1280	HPQ Tru64 UNIX V5.1B ^{3,6,7}	HPQ TruCluster V5.1B ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-DA (261329-B21)	See ¹
22	AlphaServer: GS160, GS320, GS80	HPQ Tru64 UNIX V4.0G ¹²	HPQ TruCluster Available Server V1.6 ¹¹	HA: 4	HPQ KGPSA-CA (168794-B21)	
23	AlphaServer: GS160, GS320, GS80	HPQ Tru64 UNIX V4.0G ¹²	HPQ TruCluster Production Server V1.6 ¹¹	HA: 4, OPS: 8	HPQ KGPSA-CA (168794-B21)	
24	AlphaServer: GS160, GS320, GS80	HPQ Tru64 UNIX V5.12, ³	HPQ TruCluster V5.1 ⁴	HA: 8, OPS: 8, RAC: 8	HPQ: FCA2354 (LP9002), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ¹
25	AlphaServer: SC20 ⁹ , SC40 ⁹ , SC45 ⁹	HPQ Tru64 UNIX V5.1A ^{3,5,8}	HPQ TruCluster V5.1A ^{4,8}		HPQ KGPSA-CA (168794-B21)	See ¹

- TruCluster V5.x support with Symmetrix DMX requires minimum microcode version 5669.45.24.
- Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).
- V5.x: 255 LUNs/Symmetrix Fibre director port (LUNs 000-0FE valid) on Symmetrix DMX Series, requires OVMS director bit setting, LUN 000 must be mapped to a Symmetrix device, the LUN 000 device can be used as a normal disk device by the Tru64 host.
- TruCluster V5.x Persistent Reservation support with 5669 microcode requires minimum 5669.45.24, Symm "PER" Volume flag, and "ubyte[0] = 8" in /etc/addr.dbase EMC entry. Configurations that cannot support Persistent Reservation must set "ubyte[0] = 25" to enable alternate barrier patch and direct access devices.
- Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).
- Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).
- AlphaServer GS1280,ES80,ES47: Minimum Tru64 V5.1B with Patch Kit 1 (T64V51BB1AS0001-20021229)
- AlphaServer SC systems have special Tru64 UNIX operating system and AlphaServer SC System Software requirements.
- Requires RPK
- Tru64 V4.0F BL13 Patch Kit 2 may introduce problems with KZPBA adapters. Tru64 V4.0F latest qualified Patch Kit 8 (DUV40FB22AS0008-20030730).
- TruCluster V1.6 SCSI requires shared buses with 'Y' cables or HPQ (Compaq) Ultra SCSI hubs DS-DWZZH-03, DS-DWZZH-05. Straight cables used only as interconnects, Cables: 038-001-537 (6M), 038-001-538 (12M), 038-001-539(20M). Maximum bus length must not exceed 25 meters. Fibre configs require additional zoning for hba-to-hba cluster ping. Refer to EMC Host Connectivity Guide for Tru64 UNIX, P/N 300-000-616, for more details.
- Tru64 V4.0G latest qualified Patch Kit 4 (T64V40GB22AS0004-20030731).

IBM AIX Bull

Bull – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	
1	Escola: E230, EPC1200, EPC1200A, EPC430, EPC440, T430	IBM AIX: 4.3.3 ¹ , 5.1 ^{1,2}	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2}	
2	Escola: E230, EPC1200, EPC1200A, EPC430, EPC440, T430	IBM AIX: 5.1, 5.2	IBM: HACMP 4.5, HACMP/ES 4.5		Bull: DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2}	
3	Escola: E250, EPC450, T450	IBM AIX 4.3.3 ¹	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: DCCG147-0000 ¹ , DCCG148-0000 ¹	
4	Escola: EPC2400, EPC2450, EPC610, EPC810, PL220T, PL400T, PL600R, PL600T, PL800R, T610	IBM AIX: 4.3.3 ¹ , 5.1 ^{1,2}	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: DCCG147-0000 ¹ , DCCG148-0000 ¹	
5	Escola: EPC2400, EPC2450, EPC610, EPC810, PL220T, PL400T, PL600R, PL600T, PL800R, T610	IBM AIX: 5.1 ^{1,2} , 5.2	IBM: HACMP 4.5, HACMP/ES 4.5		Bull: DCCG147-0000 ¹ , DCCG148-0000 ¹	
6	Escola: EPC400, RL470	IBM AIX 4.3.3 ¹	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2}	
7	Escola: PL1600 ^{2,3} , PL3200 ^{2,3}	IBM AIX 5.1 ^{2,4}	IBM HACMP/ES 4.4.1	HA: 8, OPS: 4	Bull: DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2}	
8	Escola: PL1600 ^{2,3} , PL3200 ^{2,3}	IBM AIX: 5.1 ^{2,4} , 5.2	IBM: HACMP 4.5, HACMP/ES 4.5		Bull: DCCG147-0000 ^{1,2} , DCCG148-0000 ^{1,2}	

- Fibre Channel device driver distributed and supported by Bull.
- Fibre Channel HBAs: DCCG141-0000: LP7000e copper DCCG147-0000: LP8000 copper DCCG148-0000: LP8000 fibre
- Supported in SMP and LPAR mode.
- AIX 5.1 32/64-bit kernel support.

IBM

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	670 7040–671 as an SP node; 7013–S70 as SP2 node; 7013–S7A as SP2 node; 7015–S70 as SP2 node; 7015–S7A as SP2 node; 7017–S70 as SP2 node; 7017–S7A as SP2 node; 7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; SP2 9076 +: 02 XX1 ¹⁰ , 05 XX9 ¹⁰ , 06 50X ¹⁰ , 07 55X ¹⁰ , 08 T70 ¹⁰ ; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node; p680 7017–S85 as SP2 node; p690: 7040–61D as an SP node, 7040–61R as an SP node, 7040–681 as an SP node	IBM AIX 5.2	IBM PSSP 3.5 RVSD 3.5 ¹⁴ , 51, 52		IBM 6227	See ³²
2	670 7040–671 as an SP node; 7013–S70 as SP2 node; 7013–S7A as SP2 node; 7015–S70 as SP2 node; 7015–S7A as SP2 node; 7017–S70 as SP2 node; 7017–S7A as SP2 node; 7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; SP2 9076 +: 02 XX1 ¹⁰ , 05 XX9 ¹⁰ , 06 50X ¹⁰ , 07 55X ¹⁰ , 08 T70 ¹⁰	IBM AIX 5.2 ⁴¹ , 53, 54	IBM PSSP 3.5 RVSD 3.5 ¹⁴ , 51, 52		IBM 6228	See ³²
3	7013–S70 as SP2 node; 7013–S7A as SP2 node; 7015–S70 as SP2 node; 7015–S7A as SP2 node; 7017–S70 as SP2 node; 7017–S7A as SP2 node; 7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node; p680 7017–S85 as SP2 node	IBM AIX 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{13, 14}	HA: 8, OPS: 8, RAC: 8 ⁴	IBM 6227 ^{1, 2, 3}	See ^{5, 6}
4	7013–S70 as SP2 node; 7013–S7A as SP2 node; 7015–S70 as SP2 node; 7015–S7A as SP2 node; 7017–S70 as SP2 node; 7017–S7A as SP2 node; 7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node; p680 7017–S85 as SP2 node	IBM AIX 5.1	IBM PSSP 3.5 RVSD 3.5 and GPFS 2.1 ¹⁴ , 30, 33, 34, 35		IBM 6227 ^{1, 3, 36, 37, 38, 39}	
5	7013–S70 as SP2 node; 7013–S7A as SP2 node; 7015–S70 as SP2 node; 7015–S7A as SP2 node; 7017–S70 as SP2 node; 7017–S7A as SP2 node; 7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; SP2 9076 +: 06 50X ¹⁰ , 07 55X ¹⁰ , 08 T70 ¹⁰	IBM AIX 4.3.3	IBM HACMP/ES: 4.3.1 ^{8, 9} , 4.4.0 ^{8, 9} ; IBM PSSP: 3.1.1 RVSD ^{8, 9} , 3.2 RVSD 3.2 ^{8, 9}	HA: 32, OPS: 8, RAC: 8 ⁴	IBM 6227 ^{1, 2, 3}	See ^{5, 6}
6	7013–S70 as SP2 node; 7015–S70 as SP2 node; 7017–S70 as SP2 node	IBM AIX 5.1 ¹⁸ , 20, 23	IBM HACMP/ES 4.5 ³⁰	HA: 32, OPS: 8, RAC: 8 ⁴	IBM 6227 ²	
7	7013–S70; 7013–S7A; 7015–S70; 7015–S7A; 7017–S70; 7017–S7A; 7017–S80; 7025–F50; 7025–F80; 7025–H70; 7026–H50; 7026–H70; 7026–H80; 7026–M80; 7044–170; 7044–270	IBM AIX 4.3.3	IBM HACMP: 4.3.1, 4.4.0	HA: 8, OPS: 8, RAC: 8 ⁴	IBM 6227 ^{1, 2, 3}	See ^{5, 6}
8	7013–S70; 7013–S7A; 7015–S70; 7015–S7A; 7017–S70; 7017–S7A; 7025–F50	IBM AIX 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 ⁴	IBM 6227 ^{1, 2, 3}	See ^{5, 6}
9	7013–S70; 7015–S70; 7017–S70	IBM AIX 5.1 ¹⁸ , 19, 20	IBM HACMP/ES 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM 6227 ^{1, 2}	
10	7013–S70; 7015–S70; 7017–S70	IBM AIX 5.1 ¹⁸ , 19, 20	IBM: HACMP 4.5 ³⁰ , HACMP/ES 4.5 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM 6227 ²	
11	7013–S70; 7015–S70; 7017–S70	IBM AIX 5.1 ¹⁸ , 19, 20	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{21, 22} ; Veritas Cluster Server (VCS) 2.0 ^{26, 27, 28, 29}	HA: 8	IBM 6227 ²	
12	7013–S70; 7015–S70; 7017–S70	IBM AIX 5.2	Veritas Cluster Server (VCS) 3.5 ^{26, 28, 48, 49, 50}	HA: 8	IBM 6227 ²	
13	7013–S70; 7015–S70; 7017–S70	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ³⁰ , 42, 43, HACMP/ES 4.5 ³⁰ , 42, 44	HA: 8, OPS: 8, RAC: 8	IBM 6227 ²	
14	7013–S7A	IBM AIX 5.1 ¹⁹ , 20, 23	IBM HACMP/ES 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2} , 6228 ¹	

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
15	7013–S7A as SP2 node; 7015–S7A as SP2 node; 7017–S7A as SP2 node; 7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node	IBM AIX 5.1 ^{18, 20, 23}	IBM: HACMP/ES 4.4.1 ³⁰ , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{13, 14, 30, 31}	HA: 32, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2} , 6228 ^{1, 2}	
16	7013–S7A as SP2 node; 7015–S7A as SP2 node; 7017–S7A as SP2 node; 7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node; p680 7017–S85 as SP2 node	IBM AIX 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{13, 14}	HA: 8, OPS: 8, RAC: 8 ⁴	IBM 6228 ^{1, 3, 16, 17}	
17	7013–S7A as SP2 node; 7015–S7A as SP2 node; 7017–S7A as SP2 node; 7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node; p680 7017–S85 as SP2 node	IBM AIX 5.1 ^{18, 20, 23}	IBM HACMP/ES 4.5 ³⁰	HA: 32, OPS: 8, RAC: 8 ⁴	IBM: 6227 ² , 6228 ²	
18	7013–S7A as SP2 node; 7015–S7A as SP2 node; 7017–S7A as SP2 node; 7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; SP2 9076 +: 06 50X ¹⁰ , 07 55X ¹⁰ , 08 T70 ¹⁰ ; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node; p680 7017–S85 as SP2 node	IBM AIX 5.1 ^{33, 40}	IBM PSSP 3.5 RVSD 3.5 and GPFS 2.1 ^{14, 30, 33, 34, 35}		IBM 6228 ^{1, 3, 36, 37}	
19	7013–S7A as SP2 node; 7015–S7A as SP2 node; 7017–S7A as SP2 node; 7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; SP2 9076 +: 06 50X ¹⁰ , 07 55X ¹⁰ , 08 T70 ¹⁰ ; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node; p680 7017–S85 as SP2 node	IBM AIX 4.3.3	IBM HACMP/ES: 4.3.1 ^{8, 9} , 4.4.0 ^{8, 9} ; IBM PSSP 3.2 RVSD 3.2 ^{8, 9}	HA: 32, OPS: 8, RAC: 8 ⁴	IBM 6228 ^{1, 3, 15, 16}	
20	7013–S7A as SP2 node; 7015–S7A as SP2 node; 7017–S7A as SP2 node; 7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; SP2 9076 +: 06 50X ¹⁰ , 07 55X ¹⁰ , 08 T70 ¹⁰ ; p680 7017–S85 as SP2 node	IBM AIX 4.3.3	IBM PSSP 3.1.1 RVSD ^{8, 9}	HA: 32, OPS: 8, RAC: 8 ⁴	IBM 6228 ^{1, 3, 15, 16}	
21	7013–S7A; 7015–S7A; 7017–S7A	IBM AIX 5.1 ^{18, 19, 20}	IBM: HACMP 4.5 ³⁰ , HACMP/ES 4.5 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2} , 6228 ^{1, 2}	
22	7013–S7A; 7015–S7A; 7017–S7A	IBM AIX 5.1 ^{19, 20}	IBM HACMP 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2, 3} , 6228 ^{1, 2, 3}	
23	7013–S7A; 7015–S7A; 7017–S7A	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ^{30, 42, 43} , HACMP/ES 4.5 ^{30, 42, 44}	HA: 8, OPS: 8, RAC: 8	IBM: 6227 ^{1, 2} , 6228 ^{1, 2}	
24	7013–S7A; 7015–S7A; 7017–S7A; 7017–S80; 7025–F50; 7025–F80; 7025–H70; 7026–H50; 7026–H70; 7026–H80; 7026–M80; 7044–170; 7044–270	IBM AIX 4.3.3	IBM HACMP 4.3.1	HA: 8, OPS: 8, RAC: 8 ⁴	IBM 6228 ^{1, 3, 15, 16}	
25	7013–S7A; 7015–S7A; 7017–S7A; 7017–S80; 7025–F50; 7025–F80; 7025–H70; 7026–H50; 7026–H70; 7026–H80; 7026–M80; 7044–170; 7044–270; p620: 7025–6F0, 7025–6F1; p640 7026–B80; p660: 7026–6H0, 7026–6H1	IBM AIX 4.3.3	IBM HACMP 4.4.0	HA: 8, OPS: 8, RAC: 8 ⁴	IBM 6228 ^{1, 3, 15, 16}	
26	7013–S7A; 7015–S7A; 7017–S7A; 7017–S80; 7025–F80; 7025–H70; 7026–H80; 7026–M80; 7044–170; 7044–270; p620 7025–6F0; p640 7026–B80; p660: 7026–6H0, 7026–6H1, 7026–6M1; p680 7017–S85	IBM AIX 5.1 ^{18, 19, 20}	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{21, 22} ; Veritas Cluster Server (VCS) 2.0 ^{26, 27, 28, 29}	HA: 8	IBM: 6227 ^{1, 2} , 6228 ^{1, 2}	

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
27	7013-S7A; 7015-S7A; 7017-S7A; 7017-S80; 7025-F80; 7025-H70; 7026-H80; 7026-M80; 7044-170; 7044-270; p620 7025-6F0; p660: 7026-6H0, 7026-6H1, 7026-6M1; p680 7017-S85	IBM AIX 5.2	Veritas Cluster Server (VCS) 3.5 ^{26, 28} , 48, 49, 50	HA: 8	IBM: 6227 ^{1, 2} , 6228 ^{1, 2}	
28	7013-S7A; 7015-S7A; 7017-S7A; 7025-F50	IBM AIX 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 ⁴	IBM 6228 ^{1, 3, 15, 16}	
29	7015-S7A; 7017-S7A	IBM AIX 5.1 ¹⁸ , 19, 20	IBM HACMP/ES 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2} , 6228 ^{1, 2}	
30	7017-S80; 7025-F80; 7025-H70; 7026-H50; 7026-H70; 7026-H80; 7026-M80; 7044-170; 7044-270; p610: 7028-6C1, 7028-6E1; p620: 7025-6F0, 7025-6F1; p640 7026-B80; p660: 7026-6H0, 7026-6H1, 7026-6M1; p680 7017-S85	IBM AIX 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 ⁴	IBM 6228 ^{1, 3, 11, 12, 15, 16}	
31	7017-S80; 7025-F80; 7025-H70; 7026-H50; 7026-H70; 7026-H80; 7026-M80; 7044-170; p620: 7025-6F0, 7025-6F1; p640 7026-B80; p660: 7026-6H0, 7026-6H1, 7026-6M1; p680 7017-S85	IBM AIX 4.3.3	IBM HACMP 4.4.1	HA: 8, OPS: 8, RAC: 8 ⁴	IBM 6227 ^{1, 2, 3, 11, 12}	See ^{5, 6}
32	7017-S80; 7025-F80; 7025-H70; 7026-H80; 7026-M80	IBM AIX 5.1 ¹⁸ , 19, 20	IBM: HACMP 4.5 ³⁰ , HACMP/ES 4.5 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2, 11, 12} , 6228 ^{1, 2, 11, 12}	
33	7017-S80; 7025-F80; 7025-H70; 7026-H80; 7026-M80	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ^{30, 42, 43} , HACMP/ES 4.5 ^{30, 42, 44}	HA: 8, OPS: 8, RAC: 8	IBM: 6227 ^{1, 2, 11, 12} , 6228 ^{1, 2, 11, 12}	
34	7017-S80; 7025-F80; 7025-H70; 7026-H80; 7026-M80; p680 7017-S85	IBM AIX 5.1 ¹⁸ , 19, 20	IBM HACMP/ES 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2, 11, 12} , 6228 ^{1, 2, 11, 12}	
35	7017-S80; 7025-F80; 7025-H70; 7026-H80; 7026-M80; p680 7017-S85	IBM AIX 5.1 ¹⁹ , 20	IBM HACMP 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2, 3, 11, 12} , 6228 ^{1, 2, 3, 11, 12}	
36	7025-F50	IBM AIX 5.1 ¹⁸ , 20, 23	IBM: HACMP 4.5 ³⁰ , HACMP/ES 4.5 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ² , 6228 ²	
37	7025-F50	IBM AIX 5.1 ²⁰ , 23	IBM HACMP 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2, 3} , 6228 ^{1, 3}	
38	7025-F50	IBM AIX 5.1 ²⁰ , 23	IBM HACMP/ES 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2} , 6228 ¹	
39	7025-F50	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ^{30, 42, 43} , HACMP/ES 4.5 ^{30, 42, 44}	HA: 8, OPS: 8, RAC: 8	IBM: 6227 ² , 6228 ²	
40	7025-F50; 7026-H50; 7026-H70	IBM AIX 5.1 ¹⁸ , 20, 23	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{21, 22} ; Veritas Cluster Server (VCS) 2.0 ^{26, 27, 28, 29}	HA: 8	IBM: 6227 ² , 6228 ²	
41	7025-F50; 7026-H50; 7026-H70; p620 7025-6F1	IBM AIX 5.2	Veritas Cluster Server (VCS) 3.5 ^{26, 28} , 48, 49, 50	HA: 8	IBM: 6227 ² , 6228 ²	
42	7026-H50	IBM AIX 5.1 ²⁰ , 23	IBM HACMP/ES 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2, 11, 12} , 6228 ^{1, 11, 12}	
43	7026-H50; 7026-H70	IBM AIX 5.1 ¹⁸ , 20, 23	IBM: HACMP 4.5 ³⁰ , HACMP/ES 4.5 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{2, 11, 12} , 6228 ^{2, 11, 12}	
44	7026-H50; 7026-H70	IBM AIX 5.1 ²⁰ , 23	IBM HACMP 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2, 3, 11, 12} , 6228 ^{1, 3, 11, 12}	
45	7026-H50; 7026-H70; p680 7017-S85	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ^{30, 42, 43} , HACMP/ES 4.5 ^{30, 42, 44}	HA: 8, OPS: 8, RAC: 8	IBM: 6227 ^{2, 11, 12} , 6228 ^{2, 11, 12}	

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
46	7026-H70	IBM AIX 5.1 ¹⁸ , 20, 23	IBM HACMP/ES 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2, 11, 12} , 6228 ^{1, 11, 12}	
47	7026-H80; 7026-M80; p630: 7028-6C4, 7028-6E4; p650 7038-6M2; p655 7039-651; p660: 7026-6H0, 7026-6H1, 7026-6M1; p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681, 7040-W42	IBM AIX 5.1 ¹⁸ , 42, 45	IBM HACMP: 4.4.1 ³⁰ , 4.5 ³⁰ ; IBM HACMP/ES: 4.4.1 ³⁰ , 4.5 ³⁰		IBM 6228 ^{1, 3, 11, 12, 32, 36, 37, 38}	
48	7026-H80; 7026-M80; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.1 ¹⁸ , 19, 42, 45	IBM GPFS Cluster 2.1 ^{46, 47}		IBM 6227 ^{1, 32, 36, 37, 38}	
49	7026-H80; 7026-M80; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.1 ¹⁸ , 19, 42, 45	IBM HACMP: 4.4.1 ³⁰ , 4.5 ³⁰ ; IBM HACMP/ES: 4.4.1 ³⁰ , 4.5 ³⁰		IBM 6227 ^{1, 11, 12, 32, 36, 37, 38}	
50	7026-H80; 7026-M80; SP2 9076 +: 02 XX1 ¹⁰ , 05 XX9 ¹⁰ , 06 50X ¹⁰ , 07 55X ¹⁰ , 08 T70 ¹⁰ ; p630: 7028-6C4, 7028-6E4; p650 7038-6M2; p655 7039-651; p660: 7026-6H0, 7026-6H1, 7026-6M1; p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681, 7040-W42	IBM AIX 5.1 ¹⁸ , 42, 45	IBM GPFS Cluster 2.1 ^{46, 47}		IBM 6228 ^{1, 3, 32, 36, 37, 38}	
51	7044-170	IBM AIX 5.1 ¹⁸ , 19, 20	IBM HACMP 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2, 11, 12} , 6228 ^{1, 11, 12} , 6239 ^{11, 12}	
52	7044-170; 7044-270; p620: 7025-6F0, 7025-6F1; p640 7026-B80; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.1 ¹⁸ , 19, 20	IBM: HACMP 4.5 ³⁰ , HACMP/ES 4.4.1 ³⁰ , HACMP/ES 4.5 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2, 11, 12} , 6228 ^{1, 2, 11, 12} , 6239 ^{11, 12}	
53	7044-170; 7044-270; p620: 7025-6F0, 7025-6F1; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ^{30, 42, 43} , HACMP/ES 4.5 ^{30, 42, 44}	HA: 8, OPS: 8, RAC: 8	IBM: 6227 ^{1, 2, 11, 12} , 6228 ^{1, 2, 11, 12} , 6239 ^{11, 12}	
54	7044-270; p620: 7025-6F0, 7025-6F1; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.1 ¹⁹ , 20	IBM HACMP 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2, 3, 11, 12} , 6228 ^{1, 2, 3, 11, 12} , 6239 ^{11, 12}	
55	p610 7028-6C1; p630: 7028-6C4, 7028-6E4	IBM AIX 5.1 ¹⁸ , 19, 20	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{21, 22} ; Veritas Cluster Server (VCS) 2.0 ^{26, 27, 28, 29}	HA: 8	IBM 6228 ^{1, 2}	
56	p610 7028-6C1; p630: 7028-6C4, 7028-6E4; p640 7026-B80	IBM AIX 5.2	Veritas Cluster Server (VCS) 3.5 ^{26, 28, 48, 49, 50}	HA: 8	IBM 6228 ^{1, 2}	
57	p610 7028-6E1	IBM AIX 5.1 ¹⁸ , 19, 20	IBM HACMP/ES 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6228 ^{1, 11, 12} , 6239 ^{11, 12}	
58	p610 7028-6E1	IBM AIX 5.1 ¹⁸ , 19, 20	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{21, 22} ; Veritas Cluster Server (VCS) 2.0 ^{26, 27, 28, 29}	HA: 8	IBM 6228 ²	
59	p610 7028-6E1	IBM AIX 5.2	Veritas Cluster Server (VCS) 3.5 ^{26, 28, 48, 49, 50}	HA: 8	IBM 6228 ²	
60	p610: 7028-6C1, 7028-6E1	IBM AIX 4.3.3	IBM HACMP 4.4.0	HA: 8, OPS: 8, RAC: 8 ⁴	IBM 6228 ^{1, 15, 16}	
61	p610: 7028-6C1, 7028-6E1	IBM AIX 5.1 ¹⁹ , 20	IBM HACMP 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6228 ^{1, 3, 11, 12} , 6239 ^{11, 12}	
62	p610: 7028-6C1, 7028-6E1; p630: 7028-6C4, 7028-6E4	IBM AIX 5.1 ¹⁸ , 19, 20	IBM: HACMP 4.5 ³⁰ , HACMP/ES 4.5 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6228 ^{1, 2, 11, 12} , 6239 ^{11, 12}	
63	p610: 7028-6C1, 7028-6E1; p630: 7028-6C4, 7028-6E4; p640 7026-B80	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ^{30, 42, 43} , HACMP/ES 4.5 ^{30, 42, 44}	HA: 8, OPS: 8, RAC: 8	IBM: 6228 ^{1, 2, 11, 12} , 6239 ^{11, 12}	
64	p615: 7029-6C3, 7029-6E3	IBM AIX 5.1 ¹⁸ , 19, 20	IBM: HACMP 4.5 ³⁰ , HACMP/ES 4.5 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM 6239 ^{11, 12}	
65	p615: 7029-6C3, 7029-6E3	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ^{30, 42, 43} , HACMP/ES 4.5 ^{30, 42, 44}	HA: 8, OPS: 8, RAC: 8	IBM 6239 ^{11, 12}	
66	p620 7025-6F1	IBM AIX 5.1 ¹⁸ , 19, 20	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{21, 22} ; Veritas Cluster Server (VCS) 2.0 ^{26, 27, 28, 29}	HA: 8	IBM: 6227 ² , 6228 ²	
67	p620: 7025-6F0, 7025-6F1; p640 7026-B80; p660: 7026-6H0, 7026-6H1	IBM AIX 4.3.3	IBM HACMP 4.4.0	HA: 8, OPS: 8, RAC: 8 ⁴	IBM 6227 ^{1, 2, 3}	See ^{5, 6, 7}
68	p640 7026-B80	IBM AIX 5.1 ¹⁹ , 20	IBM HACMP 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{1, 2, 3, 11, 12} , 6228 ^{1, 3, 11, 12} , 6239 ^{11, 12}	
69	p640 7026-B80	IBM AIX 5.2	Veritas Cluster Server (VCS) 3.5 ^{26, 28, 48, 49, 50}	HA: 8	IBM 6227 ^{1, 2}	See ³²
70	p640 7026-B80	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ^{30, 42, 43} , HACMP/ES 4.5 ^{30, 42, 44}	HA: 8, OPS: 8, RAC: 8	IBM 6227 ^{1, 2, 11, 12}	See ³²
71	p650 7038-6M2; p655 7039-651	IBM AIX 5.1 ¹⁸ , 19, 20	IBM HACMP: 4.4.1 ³⁰ , 4.5 ³⁰ ; IBM HACMP/ES: 4.4.1 ³⁰ , 4.5 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6228 ^{11, 12, 24, 25} , 6239 ^{11, 12}	

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
72	p650 7038–6M2; p655 7039–651	IBM AIX 5.1 ¹⁸ , 19, 20	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{21, 22} ; Veritas Cluster Server (VCS) 2.0 ^{26, 27, 28, 29}	HA: 8	IBM 6228 ^{24, 25}	
73	p650 7038–6M2; p655 7039–651	IBM AIX 5.2	Veritas Cluster Server (VCS) 3.5 ^{26, 28, 48, 49, 50}	HA: 8	IBM 6228 ^{24, 25}	
74	p650 7038–6M2; p655 7039–651	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ^{30, 42, 43} , HACMP/ES 4.5 ^{30, 42, 44}	HA: 8, OPS: 8, RAC: 8	IBM: 6228 ^{11, 12, 24, 25} , 6239 ^{11, 12}	
75	p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node; p680 7017–S85 as SP2 node; p690: 7040–61D as an SP node, 7040–61R as an SP node, 7040–681 as an SP node	IBM AIX 5.2 ⁴¹ , 53, 54	IBM PSSP 3.5 RVSD 3.5 ^{14, 51, 52}		IBM 6228	
76	p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node; p680 7017–S85 as SP2 node	IBM AIX 4.3.3	IBM: HACMP/ES 4.4.0 ^{8, 9} , PSSP 3.2 RVSD 3.2 ^{8, 9}	HA: 32, OPS: 8, RAC: 8 ⁴	IBM 6227 ^{1, 2, 3}	See ^{5, 6, 7}
77	p670 7040–671; p690: 7040–61D, 7040–61R, 7040–681	IBM AIX 5.1 ¹⁸ , 19, 20	IBM HACMP/ES 4.4.1 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6228 ^{11, 12} , 6239 ^{11, 12}	
78	p670 7040–671; p690: 7040–61D, 7040–61R, 7040–681	IBM AIX 5.1 ¹⁸ , 19, 20	IBM: HACMP 4.5 ³⁰ , HACMP/ES 4.5 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6228 ^{11, 12, 16} , 6239 ^{11, 12}	
79	p670 7040–671; p690: 7040–61D, 7040–61R, 7040–681	IBM AIX 5.1 ¹⁸ , 19, 20	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{21, 22} ; Veritas Cluster Server (VCS) 2.0 ^{26, 27, 28, 29}	HA: 8	IBM 6228 ¹	
80	p670 7040–671; p690: 7040–61D, 7040–61R, 7040–681	IBM AIX 5.2	Veritas Cluster Server (VCS) 3.5 ^{26, 28, 48, 49, 50}	HA: 8	IBM 6228 ¹	
81	p670 7040–671; p690: 7040–61D, 7040–61R, 7040–681	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ^{30, 42, 43} , HACMP/ES 4.5 ^{30, 42, 44}	HA: 8, OPS: 8, RAC: 8	IBM: 6228 ^{11, 12, 16} , 6239 ^{11, 12}	
82	p680 7017–S85	IBM AIX 4.3.3	IBM HACMP/ES: 4.3.1, 4.4.0	HA: 8, OPS: 8, RAC: 8 ⁴	IBM 6227 ^{1, 2, 3}	See ^{5, 6, 7}
83	p680 7017–S85	IBM AIX 4.3.3	IBM HACMP/ES: 4.3.1, 4.4.0	HA: 8, OPS: 8, RAC: 8 ⁴	IBM 6228 ^{1, 3, 15, 16}	
84	p680 7017–S85	IBM AIX 5.1 ¹⁸ , 19, 20	IBM: HACMP 4.5 ³⁰ , HACMP/ES 4.5 ³⁰	HA: 8, OPS: 8, RAC: 8 ⁴	IBM: 6227 ^{2, 11, 12} , 6228 ^{2, 11, 12}	
85	p680 7017–S85 as SP2 node	IBM AIX 4.3.3	IBM: HACMP/ES 4.3.1 ^{8, 9} , PSSP 3.1.1 RVSD ^{8, 9}	HA: 32, OPS: 8, RAC: 8 ⁴	IBM 6227 ^{1, 2, 3}	See ^{5, 6, 7}
86	SP2 9076 +: 02 XX1 ¹⁰ , 05 XX9 ¹⁰ , 06 50X ¹⁰ , 07 55X ¹⁰ , 08 T70 ¹⁰	IBM AIX 5.1 ¹⁸ , 42, 45	IBM HACMP: 4.4.1 ³⁰ , 4.5 ³⁰ ; IBM HACMP/ES: 4.4.1 ³⁰ , 4.5 ³⁰		IBM 6228 ^{1, 3, 32, 36, 37, 38}	
87	SP2 9076 +: 06 50X ¹⁰ , 07 55X ¹⁰ , 08 T70 ¹⁰	IBM AIX 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{13, 14}	HA: 32, OPS: 8, RAC: 8 ⁴	IBM 6227 ^{1, 2}	See ^{5, 6}
88	SP2 9076 +: 06 50X ¹⁰ , 07 55X ¹⁰ , 08 T70 ¹⁰	IBM AIX 4.3.3	IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{13, 14}	HA: 32, OPS: 8, RAC: 8 ⁴	IBM 6228 ^{1, 15, 16}	
89	SP2 9076 +: 06 50X ¹⁰ , 07 55X ¹⁰ , 08 T70 ¹⁰	IBM AIX 5.1	IBM PSSP 3.5 RVSD 3.5 and GPFS 2.1 ^{14, 30, 33, 34, 35}		IBM 6227 ^{1, 3, 36, 37, 38, 39}	See ³²
90	SP2 9076 +: 06 50X ¹⁰ , 07 55X ¹⁰ , 08 T70 ¹⁰	IBM AIX 5.1 ¹⁸ , 20, 23	IBM HACMP/ES 4.5 ³⁰	HA: 32, OPS: 8, RAC: 8 ⁴	IBM 6227 ²	See ³²
91	SP2 9076 +: 06 50X ¹⁰ , 07 55X ¹⁰ , 08 T70 ¹⁰	IBM AIX 5.1 ¹⁸ , 20, 23	IBM HACMP/ES 4.5 ³⁰	HA: 32, OPS: 8, RAC: 8 ⁴	IBM 6228 ²	
92	SP2 9076 +: 06 50X ¹⁰ , 08 T70 ¹⁰	IBM AIX 5.1 ¹⁸ , 20, 23	IBM: HACMP/ES 4.4.1 ³⁰ , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{13, 14, 30, 31}	HA: 32, OPS: 8, RAC: 8 ⁴	IBM 6227 ^{1, 2}	See ³²
93	SP2 9076 +: 06 50X ¹⁰ , 08 T70 ¹⁰	IBM AIX 5.1 ¹⁸ , 20, 23	IBM: HACMP/ES 4.4.1 ³⁰ , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{13, 14, 30, 31}	HA: 32, OPS: 8, RAC: 8 ⁴	IBM 6228 ^{1, 2}	

- IBM Native Fibre Channel drivers with feature code 6227 and with feature code 6228 are supported on the same server. Feature 6228 and 6239 are supported on the same server. Mixed FC–AL and FC–SW are supported on the same server. 6227 filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1000f7.rte; 6228 filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1000f7.rte; 6239 filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1000f7.rte
- Requires minimum HACMP IY07313, concurrent resource groups not supported with HACMP 4.3 or 4.3.1; For HACMP 4.4.0 and 4.4.1 concurrent resource groups supported with APAR IY14528. Requires minimum AIX APAR IY08960, IY03872, IY06844. Requires minimum Symmetrix microcode level 5265.48.30.
- For all PCI–based hosts only: See http://www-1.ibm.com/servers/eserver/pseries/library/hardware_docs/sa38/380538.pdf for appropriate HBA placement guidelines.
- For IBM AIX 4.3.3: requires Oracle RAC9i (9.0.1), HACMP/ES 4.4.x. PowerPath 2.1 or greater is supported. Symmetrix microcode 5566/5567/5568. A SAN implementation with ISLs will observe significant delay in failover times if link failures non–contiguous to host HBA occur. For IBM AIX 5.1: requires Oracle RAC9i (9.2), HACMP/ES 4.4.x. PowerPath 3.0.1 or greater is supported. Symmetrix microcode 5566/5567/5568. A SAN implementation with ISLs will observe significant delay in failover times if link failures non–contiguous to host HBA occur.
- Requires minimum AIX APAR IY05369. Requires minimum EMC ODM fileset support (4.3.3.0 IBM Fibre Channel interface support for Symmetrix). Supported adapter firmware, 3.22A1.
- Requires minimum AIX APAR IY08960, IY03872. Requires minimum EMC ODM fileset support (4.3.3.1 IBM Fibre Channel interface support for Symmetrix). Supported adapter firmware, 3.22A1.
- Requires minimum Symmetrix microcode level 5265.39.25. Requires minimum AIX APAR IY05369. Requires minimum EMC ODM fileset support (4.3.3.0 IBM Fibre Channel interface support for Symmetrix).
- Latest APAR for PSSP 3.1.1 is IY17870.
- Latest APAR for PSSP 3.2 is IY17872.
- The following link provides detailed data for all 9076–SP2 models and feature codes:
http://www1.ibm.link.ibm.com/cgi-bin/master?request=salesmanual&parms=SMS&xh=NTZH*daEMSR4n1USenGnN9332&xhi=usa.main%7Csalesmanual%5E&type=D&search=9076&title=T&product
- For fibre channel boot support with HACMP the luns containing rootvg cannot be shared between hosts.
- This configuration includes support for fibre channel boot. See the single host section of the EMC Support Matrix for fibre channel boot specific requirements.
- Requires minimum AIX 4.3.3 with APAR IY22024. Requires PSSP 3.4 with APAR IY32625
- Refer to Primus case #1.0.128870403.2749464 for configuration instructions.
- Requires minimum EMC ODM fileset support (4.3.3.1 IBM Fibre Channel interface support for Symmetrix). Device driver df1000f9 is distributed by IBM.
- Requires minimum AIX 4.3.3 with maintenance level 08 and adapter firmware 3.82a1. Requires minimum HACMP IY07313. Concurrent resource groups not supported with HACMP 4.3 or 4.3.1; For HACMP 4.4.0 and 4.4.1 concurrent resource groups supported with APAR IY14528. Requires minimum Symmetrix microcode level 5265.48.30.
- Requires minimum EMC ODM fileset support (4.3.3.1 IBM Fibre Channel interface support for Symmetrix).
- AIX 5.1 supported with 32/64–bit kernel. Requires minimum EMC ODM fileset support 5.0.0.0.
- AIX 5.1 32/64 bit Kernel supported. Minimum PowerPath Version 2.1.2 supported. Requires minimum EMC ODM fileset support 5.0.0.0.
- Minimum PowerPath 2.1.2 supported.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.

22. LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12
23. AIX 5.1 supported with 32-bit kernel. Requires minimum EMC ODM fileset support 5.0.0.0.
24. Requires minimum HACMP APAR IY07313. Latest APAR for PSSP 3.1.1 is IY17870. Requires minimum RVSD APAR IY07130.
25. IBM 6227 and 6228 adapters are supported on the same server. Mixed FC-AL and FC-SW are supported on the same server.
26. GAB disks (membership and service group heartbeat disks) are not supported.
27. Minimum PowerPath 3.0.2 is supported.
28. PowerPath is supported with LVM and JFS
29. VxVM and VxFS are not currently supported with PowerPath in this configuration.
30. For installation with Powerpath Versions 3.0.3 and 3.0.4 see Primus ID EMC69100 which contains additional requirements for support.
31. Requires minimum PSSP 3.4 APAR IY33448.
32. FC-SW and FC-AL are supported on the same server.
33. Requires minimum AIX5.1 with maintenance level 03 APAR IY32749.
34. AIX 5.1 supported with 32/64 bit kernel.
35. Requires minimum PSSP APAR IY38509
36. See http://www.rs6000.ibm.com/resource/hardware_docs/sa38-0538/380538.pdf for appropriate HBA placement guidelines
37. Requires minimum ODM fileset support (5.0.0.0 EMC Symmetrix Fibre Channel support software).
38. IBM 6227 and IBM 6228 adapters are supported on the same server. Mixed FC-AL and FC-SW are supported on the same server.
6227 Filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1000f7.rte ;
6228 Filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1000f9.diag, devices.pci/df1000f9.rte
39. Requires adapter firmware 3.22A1, CLArrayS3.5.1 fileset support. Supports FC4700 with minimum flare code 8.46.xx.
40. AIX 5.1 32/64 bit Kernel supported. Requires minimum EMC ODM fileset support 5.0.0.0.
41. **AIX 5.2 requires Operating System APAR# IY36782, IY37744 and IY37746 for support with HACMP and HACMP/ES version 4.5 and PSSP 3.5.**
42. Minimum Powerpath version 3.0.2 is supported.
43. HACMP 4.5 when installing under AIX 5.2 requires HACMP 4.5 APAR# IY36938.
44. When installing under AIX 5.2 HACMP/ES 4.5 APAR# IY36938, HACMP/ES 4.5 APAR# IY36933, HACMP/ES 4.5 APAR# IY36626 and RSCT 2.3 APAR# IY36626 are required.
45. AIX 5.1-32/64 bit kernel supported. Requires CLArrayS3.5.1 fileset support.
46. Requires minimum IBM APAR IY43999
47. Requires a minimum of three nodes in the cluster.
48. **Supported with VCS 3.5 Maintenance Patch 1**
49. **Native names only. Power devices are not supported in a cluster configuration.**
50. **PowerPath supports LVM with JFS, and VxVM 3.2.2 with VxFS 3.4.4.**
51. **Minimum Powerpath version 3.0.3 is supported.**
52. **PSSP 3.5 supports a 32 or 64 bit kernel.**
53. **AIX 5.2 32/64 bit kernel supported. Requires Minimum EMC ODM fileset support 5.0.0.0.**
54. **Requires AIX APAR IY48995**

Microsoft Windows 2000

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

DG

DG – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	AViiON: AV1400, AV2800, AV3800	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , SP3 ⁴ , SP4 ⁴ ; Microsoft Windows 2000 Server SP4 ⁴	Microsoft MSCS ^{7, 8}	HA: 2	Emulex: LP8000-EMC ⁵ , LP850-EMC; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ⁶
2	AViiON: AV1400, AV2800, AV3800	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , SP4 ⁴	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{1, 2, 3}	HA: 4	Emulex: LP8000-EMC ⁵ , LP850-EMC, LP9002-E (LP9002L-E); QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	

1. LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.
2. LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12
3. LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24, 5568.58.12 or 5x69
4. EMC recommends that HBAs of different vendors not be used in the same host server.
5. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
6. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
7. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
8. MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.

Dell

Dell – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 2650	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{3, 4}	HA: 2	Emulex: LP1000-E, LP1000DC-E, LP1050-E, LP1050DC-E, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
2	PowerEdge 2650	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{5, 6, 7} ; Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	Emulex: LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
3	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Datacenter: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ² , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP1000-E, LP1000DC-E, LP1050-E, LP1050DC-E, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2342-E-SP	See ¹
4	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ^{3, 4}	HA: 2	Emulex: LP1000-E, LP1000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁸ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
5	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ²	Microsoft MSCS	HA: 4	Emulex LP8000-EMC ⁸ ; QLogic QLA2340-E-SP	See ¹
6	PowerEdge 8450	Microsoft Windows 2000: Advanced Server SP3 ² , Datacenter SP2 ² , Datacenter SP3 ² , Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ^{3, 4}	HA: 4	Emulex LP8000-EMC ⁸ ; QLogic QLA2340-E-SP	See ¹
7	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ⁹ , 2600, 4400, 4600, 6300, 6350, 6400, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{3, 4}	HA: 2	Emulex: LP1000-E, LP1000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁸ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
8	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ⁹ , 2600, 4400, 4600, 6300, 6350, 6400, 6450, 6600, 6650, 8450	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	Emulex: LP8000-EMC ⁸ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	

Dell – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
9	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ⁹ , 2600, 4400, 4600, 6300, 6350, 6400, 6450, 6600, 6650, 8450; PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{5, 6, 7}	HA: 4	Emulex: LP8000-EMC ⁸ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
10	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Oracle 9i RAC 9.2.0.1.0 ¹⁰	RAC: 8	QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
11	PowerEdge: 2300, 6100	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{3, 4}	HA: 2	Emulex: LP8000-EMC ⁸ , LP850-EMC; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
12	PowerEdge: 2300, 6100	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{5, 6, 7} ; Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	Emulex: LP8000-EMC ⁸ , LP850-EMC; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
13	PowerEdge: 2600, 2650, 4600, 6400, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ² , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
14	PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{3, 4}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
15	PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	Emulex: LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.

2. EMC recommends that HBAs of different vendors not be used in the same host server.

3. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.

4. MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.

5. LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.

6. LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24, 5568.58.12 or 5x69

7. LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12

8. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

9. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.

10. Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0

. VxVm not supported. PowerPath 3.0 supported.

11. GAB disks (membership and service group heartbeat disks) are not supported.

Fujitsu Siemens

Fujitsu Siemens – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Primergy F250 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server SP4 ⁵	Microsoft MSCS ^{8,9}	HA: 2	Emulex LP9802-E; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ⁷
2	Primergy F250 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Microsoft MSCS	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ⁷
3	Primergy F250 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP4 ⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{1, 2, 3}	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
4	Primergy F250 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP4 ⁵	Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	Emulex LP9802-E; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
5	Primergy H250 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Microsoft MSCS	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLLogic QLA2342-E-SP	See ⁷
6	Primergy H250 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP4 ⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{1, 2, 3}	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E	
7	Primergy H250 ^{6,10}	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server SP4 ⁵	Microsoft MSCS ^{8,9}	HA: 2	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E	See ⁷
8	Primergy H250 ^{6,10}	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP4 ⁵	Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E	
9	Primergy N800	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Microsoft MSCS	HA: 4	Emulex LP9802-E; QLLogic QLA2342-E-SP	See ⁷
10	Primergy N800	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵	Microsoft MSCS	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E)	See ⁷
11	Primergy N800	Microsoft Windows 2000: Advanced Server SP3 ⁵ , Server SP4 ⁵	Microsoft MSCS ^{8,9}	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E) ⁵	See ⁷
12	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Microsoft MSCS	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E; QLLogic QLA2342-E-SP	See ⁷
13	Primergy: B210, C200, E200, F200, H400, K400, L200, N200, N400, N800, P200, P250, R450, RX100	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP4 ⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{1, 2, 3}	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E)	
14	Primergy: B210 ¹⁰ , C200 ¹⁰ , E200 ¹⁰ , F200 ¹⁰ , F250 ^{6,10} , H400 ¹⁰ , H450 ¹⁰ , K400 ¹⁰ , L200 ¹⁰ , N200 ¹⁰ , N400 ¹⁰ , N800 ¹⁰ , P200 ¹⁰ , P250 ¹⁰ , R450 ¹⁰ , RX100, T850 ¹⁰	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server SP4 ⁵	Microsoft MSCS ^{8,9}	HA: 2	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E)	See ⁷
15	Primergy: B210 ¹⁰ , C200 ¹⁰ , E200 ¹⁰ , F200 ¹⁰ , F250 ^{6,10} , H400 ¹⁰ , H450 ¹⁰ , K400 ¹⁰ , L200 ¹⁰ , N200 ¹⁰ , N400 ¹⁰ , N800 ¹⁰ , P200 ¹⁰ , P250 ¹⁰ , R450 ¹⁰ , RX100, T850 ¹⁰	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP4 ⁵	Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E)	
16	Primergy: H450, RX200, RX300, RX600, RX800, T850, TX200, TX300, TX600	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server SP4 ⁵	Microsoft MSCS ^{8,9}	HA: 2	Emulex LP9802-E	See ⁷
17	Primergy: H450, RX200, RX300, RX600, RX800, T850, TX200, TX300, TX600	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP4 ⁵	Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	Emulex LP9802-E	
18	Primergy: H450, T850	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , SP3 ⁵ , SP4 ⁵	Microsoft MSCS	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E	See ⁷
19	Primergy: H450, T850	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP4 ⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{1, 2, 3}	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E	
20	Primergy: RX200, RX300, RX600, RX800, TX200, TX300, TX600	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , SP4 ⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{1, 2, 3}	HA: 4	Emulex LP9802-E	

Fujitsu Siemens – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
21	Primergy: RX200, RX300, RX600, RX800, TX200, TX300, TX600	Microsoft Windows 2000: Advanced Server SP3 ⁵ , Server SP4 ⁵	Microsoft MSCS ^{8,9}	HA: 4	Emulex LP9802-E	See ⁷

- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24, 5568.58.12 or 5x69
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Must use standard PCI 32bit/33MHz slot for SCSI
- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
- GAB disks (membership and service group heartbeat disks) are not supported.

HPQ

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserv LC: 2000 U3, 2000 ¹⁵ ; Netserv LH: 3000, 4, 6000; Netserv: LP 2000r, LT 6000R, LXR 8000, LXR 8500	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ³ , 4	HA: 2	HPQ: D8602A (Agilent HHBA-5101B) ^{2, 16} , D8602B (Agilent HHBA-5101C) ^{2, 14}	See ¹
2	Netserv LC: 2000 U3, 2000 ¹⁵ ; Netserv: LP 2000r, LT 6000R	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ³ , 4	HA: 2	Emulex: LP9002-E (LP9002L-E), LP9002DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ^{1, 13}
3	Netserv LXR 8500	Microsoft Windows 2000: Advanced Server SP3 ² , Server SP4 ²	Microsoft MSCS ³ , 4	HA: 4	HPQ D8602B (Agilent HHBA-5101C) ^{2, 14}	See ¹
4	Proliant 5500 ^{8, 12}	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	Emulex LP9002-E (LP9002L-E)	
5	Proliant 5500 ^{8, 12}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ² , SP4 ²	Microsoft MSCS	HA: 4	Emulex LP9002-E (LP9002L-E)	See ¹
6	Proliant 5500 ^{8, 12}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{5, 6, 7}	HA: 4	Emulex: LP8000-EMC ⁹ , LP9002-E (LP9002L-E)	
7	Proliant 5500 ^{8, 12}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	Emulex LP9002-E (LP9002L-E)	
8	Proliant 8000 Pro ^{8, 13}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ³ , 4	HA: 2	Emulex-EMC ⁹ , LP850-EMC; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
9	Proliant 8000 Pro ^{8, 13}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	Emulex-EMC ⁹ , LP850-EMC; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
10	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Datacenter: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ² , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: FCA2354 (LP9002), FCA2355 (LP9002DC); QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
11	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ²	Microsoft MSCS	HA: 4	Emulex: LP8000-EMC ⁹ , LP9002-E (LP9002L-E), LP9002DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
12	Proliant 8500	Microsoft Windows 2000: Advanced Server SP3 ² , Datacenter SP2 ² , Datacenter SP3 ² , Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ³ , 4	HA: 4	Emulex: LP8000-EMC ⁹ , LP9002-E (LP9002L-E), LP9002DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
13	Proliant 8500 ^{8, 13}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ³ , 4	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
14	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	HPQ Dual-port mezzanine controller card	
15	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ³ , 4	HA: 2	HPQ Dual-port mezzanine controller card	See ¹
16	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{5, 6, 7} ; Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	HPQ Dual-port mezzanine controller card	
17	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ²	Microsoft MSCS	HA: 4	HPQ Dual-port mezzanine controller card	See ¹
18	Proliant BL20p (G2)	Microsoft Windows 2000: Advanced Server SP3 ² , Server SP4 ²	Microsoft MSCS ³ , 4	HA: 4	HPQ Dual-port mezzanine controller card	See ¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
19	Proliant BL40p	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ³ , 4	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁹ , LP9002-E, (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
20	Proliant BL40p	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{5, 6, 7} ; Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	Emulex: LP8000-EMC ⁹ , LP9002-E, (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
21	Proliant DL580(G2) ⁸	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ³ , 4	HA: 2	Emulex: LP8000-EMC ⁹ , LP850-EMC	See ¹
22	Proliant DL580(G2) ⁸	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	Emulex: LP8000-EMC ⁹ , LP850-EMC	
23	Proliant DL580(G2) ^{8, 13}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ³ , 4	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9002-E, (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
24	Proliant DL580(G2) ^{8, 13}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	Emulex: LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
25	Proliant DL740	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ² , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁹ , LP9802-E, LP9802DC-E, LP982-E; HPQ: FCA2354 (LP9002), FCA2355 (LP9002DC); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
26	Proliant DL740	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ²	Microsoft MSCS	HA: 4	Emulex: LP9002-E (LP9002L-E), LP9002DC-E; HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2310F-E-SP	See ¹
27	Proliant DL740	Microsoft Windows 2000: Advanced Server SP3 ² , Server SP4 ²	Microsoft MSCS ³ , 4	HA: 4	Emulex: LP9002-E (LP9002L-E), LP9002DC-E; HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2310F-E-SP	See ¹
28	Proliant: 2500 ⁸ , 3000 ⁸ , 5000 ⁸ , 5500 ^{8, 12} , 6000 ^{8, 12} , 6500 ^{8, 12} , 7000 ^{8, 12} , 8000 ^{8, 12}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Legato LAAM (Legato Cluster) 4.8.1		Emulex LP8000-EMC ⁹	
29	Proliant: 2500 ⁸ , 3000 ⁸ , 5000 ⁸ , 5500 ^{8, 12} , 6000 ^{8, 12} , 6500 ^{8, 12} , 7000 ^{8, 12} , 8000 ^{8, 12}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Legato LAAM (Legato Cluster): 4.7, 4.8	HA: 2	Emulex LP8000-EMC ⁹	
30	Proliant: 2500 ⁸ , 3000 ⁸ , 5000 ⁸ , 5500 ^{8, 12} , 6000 ^{8, 12} , 6500 ^{8, 12} , 7000 ^{8, 12} , 8000 ^{8, 12}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	Emulex LP8000-EMC ⁹	See ¹³
31	Proliant: 2500 ⁸ , 5000 ⁸ , 5500 ^{8, 12} , 6000 ^{8, 12} , 6500 ^{8, 12} , 8000 ^{8, 12}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ²	Microsoft MSCS	HA: 4	Emulex LP8000-EMC ⁹ , HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
32	Proliant: 2500 ⁸ , 5000 ⁸ , 5500 ^{8, 12} , 6000 ^{8, 12} , 6500 ^{8, 12} , 8000 ^{8, 12}	Microsoft Windows 2000: Advanced Server SP3 ² , Server SP4 ²	Microsoft MSCS ³ , 4	HA: 4	Emulex LP8000-EMC ⁹ , HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
33	Proliant: 2500 ⁸ , 5000 ⁸ , 6000 ^{8, 12}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{5, 6, 7}	HA: 4	Emulex LP8000-EMC ⁹	

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
34	Proliant: 2500 ⁸ , 5000 ⁸ , 6000 ^{8,12} , 6500 ^{8,12} , 8000 ^{8,12}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{3,4}	HA: 2	Emulex LP8000-EMC ⁹ ; HPQ: A7298A (LP982) DS-KGPSA-CA (LP8000) DS-KGPSA-CB (LP8000) DS-KGPSA-CY (LP8000); FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
35	Proliant: 3000 ^{8,13} , 7000 ^{8,12,13}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{3,4}	HA: 2	Emulex LP850-EMC; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
36	Proliant: 3000 ^{8,13} , 7000 ^{8,12,13}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	Emulex LP850-EMC; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
37	Proliant: 3000 ⁸ , 5500 ^{8,12} , 7000 ^{8,12}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{3,4}	HA: 2	Emulex: LP8000-EMC ⁹ , LP9002-E (LP9002L-E); HPQ: A7298A (LP982) DS-KGPSA-CA (LP8000) DS-KGPSA-CB (LP8000) DS-KGPSA-CY (LP8000); FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
38	Proliant: 3000 ⁸ , 6500 ^{8,12} , 7000 ^{8,12} , 8000 ^{8,12}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{5,6,7}	HA: 4	Emulex: LP8000-EMC ⁹ , LP850-EMC; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
39	Proliant: 3000 ⁸ , 7000 ^{8,12}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ²	Microsoft MSCS	HA: 4	Emulex: LP8000-EMC ⁹ , LP9002-E (LP9002L-E); HPQ: A7298A (LP982) DS-KGPSA-CA (LP8000) DS-KGPSA-CB (LP8000) DS-KGPSA-CY (LP8000); FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
40	Proliant: 3000 ⁸ , 7000 ^{8,12}	Microsoft Windows 2000: Advanced Server SP3 ² , Server SP4 ²	Microsoft MSCS ^{3,4}	HA: 4	Emulex: LP8000-EMC ⁹ , LP9002-E (LP9002L-E); HPQ: A7298A (LP982) DS-KGPSA-CA (LP8000) DS-KGPSA-CB (LP8000) DS-KGPSA-CY (LP8000); FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
41	Proliant: 6400R ⁸ , 8500, BL40p, DL360 ⁸ , DL380(G2) ⁸ , DL380(G3), DL380 ⁸ , DL560, DL580 ⁸ , DL740	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	Emulex: LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
42	Proliant: 6400R ⁸ , 8500, DL320 ⁸ , DL360(G2) ⁸ , DL360(G3), DL360 ⁸ , DL380(G2) ⁸ , DL380(G3), DL380 ⁸ , DL560, DL580(G2) ⁸ , DL580(G3), DL580 ⁸ , DL740, ML350 ⁸ , ML370(G2), ML370(G3), ML370 ⁸ , ML530(G2) ⁸ , ML530 ⁸ , ML570(G2) ¹³ , ML570 ⁸ , ML750 ¹⁰	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{5, 6, 7}	HA: 4	Emulex: LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
43	Proliant: 6400R ⁸ , 8500 ^{8, 13} , DL320 ^{8, 13} , DL360(G2) ^{8, 13} , DL360(G3), DL360 ^{8, 13} , DL380(G2) ^{8, 13} , DL380(G3), DL380 ^{8, 13} , DL560, DL580(G3), DL580 ^{8, 13} , DL740, ML350 ^{8, 13} , ML370 ^{8, 13} , ML370(G2) ^{8, 13} , ML370(G3) ^{8, 13} , ML530(G2) ^{8, 13} , ML530 ^{8, 13} , ML570(G2) ¹³ , ML570 ^{8, 13} , ML750 ^{10, 13}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	Emulex: LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
44	Proliant: 6400R ⁸ , BL40p, DL320 ⁸ , DL360(G2) ⁸ , DL360(G3), DL360 ⁸ , DL380(G2) ⁸ , DL380(G3), DL380 ⁸ , DL560, DL580(G2) ⁸ , DL580(G3), DL580 ⁸ , ML350(G2) ⁸ , ML350(G3), ML350 ⁸ , ML370(G2), ML370(G3), ML370 ⁸ , ML530(G2) ⁸ , ML530 ⁸ , ML570(G2), ML570 ⁸ , ML750 ⁸	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ² , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
45	Proliant: 6400R ⁸ , DL320 ^{8, 13} , DL360(G2) ^{8, 13} , DL360(G3), DL360 ^{8, 13} , DL380(G2) ^{8, 13} , DL380(G3), DL380 ^{8, 13} , DL560, DL580(G3), DL580 ^{8, 13} , DL740, ML350 ^{8, 13} , ML370 ^{8, 13} , ML370(G2) ^{8, 13} , ML370(G3) ^{8, 13} , ML530(G2) ^{8, 13} , ML530 ^{8, 13} , ML570(G2) ¹³ , ML570 ^{8, 13} , ML750 ^{10, 13}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{3, 4}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
46	Proliant: DL760 (G2), DL760 ⁸	Microsoft Windows 2000 Advanced Server SP2 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{5, 6, 7}	HA: 4	QLLogic QLA2310F-E-SP	
47	Proliant: DL760 (G2), DL760 ⁸	Microsoft Windows 2000 Advanced Server SP2 ²	Microsoft MSCS	HA: 4	QLLogic QLA2310F-E-SP	See ¹
48	Proliant: DL760 (G2), DL760 ⁸	Microsoft Windows 2000 Advanced Server SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{5, 6, 7}	HA: 4	QLLogic QLA2310F-E-SP	See ¹¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
49	Proliant: DL760 (G2), DL760 ⁸	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	Emulex: LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	
50	Proliant: DL760 (G2), DL760 ⁸	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLLogic QLA2310F-E-SP	See ¹¹
51	Proliant: DL760 (G2), DL760 ⁸	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Datacenter: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ² , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁹ , LP9802-E, LP9802DC-E, LP982-E; HPQ: FCA2354 (LP9002), FCA2355 (LP9002DC); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
52	Proliant: DL760 (G2), DL760 ⁸	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{5, 6, 7}	HA: 4	Emulex: LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
53	Proliant: DL760 (G2), DL760 ⁸	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ²	Microsoft MSCS	HA: 4	Emulex: LP9002-E (LP9002L-E), LP9002DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
54	Proliant: DL760 (G2), DL760 ⁸	Microsoft Windows 2000: Advanced Server SP3 ² , Datacenter SP2 ² , Datacenter SP3 ² , Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ^{3, 4}	HA: 4	Emulex: LP9002-E (LP9002L-E), LP9002DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
55	Proliant: DL760 (G2), DL760 ⁸	Microsoft Windows 2000: Advanced Server SP3 ² , Datacenter SP2 ² , Datacenter SP3 ² , Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ^{3, 4}	HA: 4	QLLogic QLA2310F-E-SP	See ^{1, 11}
56	Proliant: DL760 (G2), DL760 ⁸	Microsoft Windows 2000: Advanced Server SP4 ² , Server SP2 ² , Server SP3 ²	Microsoft MSCS	HA: 4	QLLogic QLA2310F-E-SP	See ^{1, 11}
57	Proliant: DL760 (G2), DL760 ^{8, 13}	Microsoft Windows 2000 Advanced Server SP2 ²	Microsoft MSCS ^{3, 4}	HA: 2	QLLogic QLA2310F-E-SP	See ¹
58	Proliant: DL760 (G2), DL760 ^{8, 13}	Microsoft Windows 2000 Advanced Server SP2 ²	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	QLLogic QLA2310F-E-SP	
59	Proliant: DL760 (G2), DL760 ^{8, 13}	Microsoft Windows 2000 Advanced Server SP4 ²	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	QLLogic QLA2310F-E-SP	See ¹¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
60	Proliant: DL760 (G2), DL760 ^{8, 13}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ^{3, 4}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	See ¹
61	Proliant: DL760 (G2), DL760 ^{8, 13}	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	Emulex: LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
62	Proliant: DL760 (G2), DL760 ^{8, 13}	Microsoft Windows 2000 Advanced Server: SP3 ² , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ^{3, 4}	HA: 2	QLLogic QLA2310F-E-SP	See ^{1, 11}
63	Proliant: ML370(G2), ML370(G3)	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{3, 4}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{1, 13}
64	Proliant: ML370(G2), ML370(G3)	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ²	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	Emulex: LP8000-EMC ⁹ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹³

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24, 5568.58.12 or 5x69
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

10. HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
11. **Supported by direct attach only**
12. Includes both Pentium PRO and XEON models
13. Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
14. The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
15. HP NetServer LC2000 is only supported with two processors. Uni-Processor configurations are not supported
16. (HBA-5101BK-01)
17. GAB disks (membership and service group heartbeat disks) are not supported.

IBM

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	eServer BladeCenter HS20 (Model 8678) ^{12, 21}	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Microsoft MSCS ^{13, 14, 18}	HA: 4	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{19, 20}	See ¹¹
2	Netfinity 8500R; xSeries x440	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP4 ¹	Microsoft MSCS ^{13, 14}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁰ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 00N6881 (QLA2200) ⁸ , 19K1246(QLA2310) ⁶ , 24P0960(QLA2340) ⁵ ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹¹
3	Netfinity 8500R; xSeries: x370, x440	Microsoft Windows 2000: Advanced Server SP3 ¹ , Datacenter SP2 ¹ , Datacenter SP3 ¹ , Datacenter SP4 ¹ , Server SP4 ¹	Microsoft MSCS ^{13, 14}	HA: 4	IBM: 00N6881 (QLA2200) ⁸ , 19K1246(QLA2310) ⁶ , 24P0960(QLA2340) ⁵	See ¹¹
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ⁷ , 7100	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server SP4 ¹	Microsoft MSCS ^{13, 14}	HA: 2	Emulex: LP8000-EMC ¹⁰ , LP850-EMC; IBM: 00N6881 (QLA2200) ⁸ , 19K1246(QLA2310) ⁶ , 24P0960(QLA2340) ⁵ ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹¹
5	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ⁷ , 7100	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{2, 3, 4}	HA: 4	Emulex: LP8000-EMC ¹⁰ , LP850-EMC; IBM: 00N6881 (QLA2200) ⁸ , 19K1246(QLA2310) ⁶ , 24P0960(QLA2340) ⁵ ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
6	Netfinity: 5600, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x440, x445	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{2, 3, 4}	HA: 4	Emulex: LP8000-EMC ¹⁰ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 00N6881 (QLA2200) ⁸ , 19K1246(QLA2310) ⁶ , 24P0960(QLA2340) ⁵ ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
7	Netfinity: 5600, 7600; xSeries: X330, X335, X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x445	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server SP4 ¹	Microsoft MSCS ^{13, 14}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁰ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 00N6881 (QLA2200) ⁸ , 19K1246(QLA2310) ⁶ , 24P0960(QLA2340) ⁵ ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹¹
8	xSeries x370	Microsoft Windows 2000 Advanced Server SP2 ¹	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{2, 3, 4} , Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	QLogic QLA2310F-E-SP	
9	xSeries x370	Microsoft Windows 2000 Advanced Server SP2 ¹	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ¹¹
10	xSeries x370	Microsoft Windows 2000 Advanced Server SP2 ¹	Microsoft MSCS ^{13, 14}	HA: 2	QLogic QLA2310F-E-SP	See ¹¹
11	xSeries x370	Microsoft Windows 2000 Advanced Server SP4 ¹	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{2, 3, 4} , Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	QLogic QLA2310F-E-SP	See ⁹
12	xSeries x370	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁰ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹¹
13	xSeries x370	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP4 ¹	Microsoft MSCS ^{13, 14}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁰ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ⁶ , 24P0960(QLA2340) ⁵ ; QLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	See ¹¹
14	xSeries x370	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{2, 3, 4}	HA: 4	Emulex: LP8000-EMC ¹⁰ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 00N6881 (QLA2200) ⁸ , 19K1246(QLA2310) ⁶ , 24P0960(QLA2340) ⁵ ; QLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
15	xSeries x370	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	Oracle 9i RAC 9.2.0.1.0 ¹⁵	RAC: 8	QLogic QLA2200F-EMC	
16	xSeries x370	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	Oracle 9i RAC 9.2.0.1.0 ^{15, 16}	RAC: 8	IBM: 00N6881 (QLA2200) ⁸ , 19K1246(QLA2310) ⁶ , 24P0960(QLA2340) ⁵	

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
17	xSeries x370	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	Emulex: LP8000-EMC ¹⁰ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ⁶ ; 24P0960(QLA2340) ⁵ ; QLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP	
18	xSeries x370	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{9, 11}
19	xSeries x370	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP4 ¹	Microsoft MSCS ^{13, 14}	HA: 2	QLogic QLA2310F-E-SP	See ^{9, 11}
20	xSeries x370 ¹²	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP4 ¹	Microsoft MSCS ^{13, 14}	HA: 2	IBM 00N6881 (QLA2200) ⁸	See ¹¹
21	xSeries x370 ¹²	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	IBM 00N6881 (QLA2200) ⁸	
22	xSeries x440	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁰ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹¹
23	xSeries x445	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁰ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹¹
24	xSeries x445	Microsoft Windows 2000: Advanced Server SP3 ¹ , Server SP4 ¹	Microsoft MSCS ^{13, 14}	HA: 4	IBM: 00N6881 (QLA2200) ⁸ ; 19K1246(QLA2310) ⁶ ; 24P0960(QLA2340) ⁵	See ¹¹
25	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x235, x240, x250, x255, x345, x350 (6000R), x360	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁰ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ⁶ ; 24P0960(QLA2340) ⁵ ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹¹

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
26	xSeries: X330, X335, X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x440, x445	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	Veritas Cluster Server (VCS) 2.0 ¹⁷	HA: 4	Emulex: LP8000-EMC ¹⁰ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 00N6881 (QLA2200) ⁸ , 19K1246(QLA2310) ⁶ , 24P0960(QLA2340) ⁵ ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
27	xSeries: X330 ¹² , X335, X340 (4500R) ¹²	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	Legato LAAM (Legato Cluster) 4.7	HA: 2	Emulex: LP8000-EMC ¹⁰ , LP850-EMC; IBM: 00N6881 (QLA2200) ⁸ , 19K1246(QLA2310) ⁶ , 24P0960(QLA2340) ⁵	
28	xSeries: X330 ¹² , X335, X340 (4500R) ¹² , x440 ¹² , x445	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	Legato LAAM (Legato Cluster) 4.8	HA: 2	Emulex: LP8000-EMC ¹⁰ , LP850-EMC; IBM: 00N6881 (QLA2200) ⁸ , 19K1246(QLA2310) ⁶ , 24P0960(QLA2340) ⁵	
29	xSeries: X330 ¹² , X335, X340 (4500R) ¹² , x440 ¹² , x445	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	Legato LAAM (Legato Cluster) 4.8.1		Emulex: LP8000-EMC ¹⁰ , LP850-EMC; IBM: 00N6881 (QLA2200) ⁸ , 19K1246(QLA2310) ⁶ , 24P0960(QLA2340) ⁵	
30	xSeries: x370, x440, x445	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹	Microsoft MSCS	HA: 4	IBM: 19K1246(QLA2310) ⁶ , 24P0960(QLA2340) ⁵	See ¹¹

- EMC recommends that HBAs of different vendors not be used in the same host server.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24, 5568.58.12 or 5x69
- This HBA is equivalent to the qLogic QLA2340.
- This HBA is equivalent to the qLogic QLA2310.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- (QLA2200) For IBM xSeries and Netfinity servers only.
- Supported by direct attach only
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0
. VxVm not supported. PowerPath 3.0 supported.
- Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0.
VxVM not supported.
PowerPath 3.0 supported.
- GAB disks (membership and service group heartbeat disks) are not supported.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
- EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.

NCR

NCR – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Worldmark: 4500, 45xx, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ² , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
2	Worldmark: 4500, 45xx, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ² , SP4 ²	Microsoft MSCS	HA: 4	QLogic: QLA2310F-E-SP	See ^{1,4}

NCR – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
3	Worldmark: 4950, 5350	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ²	Microsoft MSCS		LSI ITI7004G2 ⁵	See ¹

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
4. Supported by direct attach only
5. Requires package PSCSI302 Ver.02.10.10.09 or higher available from NCR.

NEC

NEC – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Express 5800 180Rb-7	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Microsoft MSCS		NEC: N8103-200, N8190-105	
2	Express 5800 180Rb-7	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC ClusterPro 6.0	HA: 2	Emulex LP850-EMC; NEC: N8103-200, N8190-105, N8503-200	
3	Express 5800 180Rb-7	Microsoft Windows 2000: Advanced Server SP4 ¹ , Server SP4 ¹	NEC ClusterPro 7.0	HA: 2	NEC: N8103-200, N8190-105	
4	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rc-4	Microsoft Windows 2000 Advanced Server SP4 ¹	NEC ClusterPro 7.0	HA: 2	NEC: N8103-200, N8190-105	
5	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rc-4	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	Microsoft MSCS		NEC: N8103-200, N8190-105	
6	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rc-4	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	NEC ClusterPro 6.0	HA: 2	Emulex LP850-EMC; NEC: N8103-200, N8190-105, N8503-200	
7	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4, 180Rc-4	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; NEC N8103-200; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ³
8	Express 5800: 320La-R ² , 320La ² , 320Lb-R ² , 320Lb ² , 330Ma-R ² , 330Mb-R ² , 340Ha-R ²	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	NEC ClusterPro 6.0	HA: 2	NEC N8803-031 (QLA2310F)	

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. Bus Enumeration Issue Causes Problems using SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.

By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.

The workaround is to perform "symcfg discover" after rebooting.

3. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
4. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Unisys

Unisys – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	ES2024 ⁶ ; ES2025 ⁶ ; ES2043 ⁶ ; ES2045 ⁶ ; ES2085 ⁶ ; ES5024 ⁶ ; ES5043 ⁶ ; ES5044 ⁶ ; ES5045 ⁶ ; ES5085 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{3,4}	HA: 2	Unisys: FCH720111-P64 (LP8000-D1) ² , FCH720113-P64 (LP8000-EMC, LP8000-F1) ²	See ¹
2	ES7000/100	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Datacenter: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ² , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
3	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ²	Microsoft MSCS	HA: 4	Emulex: LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9002DC-E	See ¹
4	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000: Advanced Server SP3 ² , Datacenter SP2 ² , Datacenter SP3 ² , Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ^{3,4}	HA: 4	Emulex: LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9002DC-E; Unisys FCH732213-P64 (LP9002L-F2) ²	See ¹
5	ES7000/100 ⁶ ; ES7000/200 ⁶ ; ES7000/230 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ^{3,4}	HA: 2	Unisys FCH732213-P64 (LP9002L-F2) ²	See ¹

Unisys – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
6	ES7000/100 ⁶ ; ES7000/200 ⁶ ; ES7000/230 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ^{3, 4}	HA: 2	Unisys: FCH720111–P64 (LP8000–D1) ² , FCH720113–P64 (LP8000–EMC, LP8000–F1) ²	See ^{1, 7}
7	ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server SP2 ²	Microsoft MSCS	HA: 4	QLogic QLA2310F–E–SP	See ¹
8	ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Datacenter: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ² , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000–E, LP10000DC–E, LP1050–E, LP1050DC–E, LP9802–E, LP9802DC–E, LP982–E; QLogic: QLA2340–E–SP, QLA2342–E–SP	See ¹
9	ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2 ² , SP4 ² ; Microsoft Windows 2000 Datacenter: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000 Server: SP2 ² , SP3 ² , SP4 ²	Microsoft MSCS	HA: 4	QLogic QLA2310F–E–SP	See ^{1, 7}
10	ES7000/520; ES7000/530; ES7000/540	Microsoft Windows 2000 Advanced Server: SP2 ² , SP3 ² , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP2 ² , Server SP3 ² , Server SP4 ²	Microsoft MSCS	HA: 2	Unisys FCH732213–P64 (LP9002L–F2)	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
- Supported by direct attach only

Microsoft Windows 2003

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiON non-disruptive upgrades for Windows systems booting from CLARiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- Lost connection to external storage (pulled or damaged cable connection).
- External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- External storage director failures including failed lasers on Fibre Channel directors.
- External storage power failure.
- Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

Dell

Dell – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 3250 (Itanium 2)	Microsoft Windows 2003 64–Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{7, 8, 9}	HA: 4	Emulex: LP10000–E, LP10000DC–E, LP1050–E, LP1050DC–E, LP9802–E, LP9802DC–E, LP982–E; QLogic: QLA2340–E–SP, QLA2342–E–SP	See ⁶
2	PowerEdge: 1550, 1650, 1750, 2450, 2500, 2550 ⁵ , 2600, 2650, 4600, 6400, 6450, 6600, 6650, 8450; PowerVault: 770N, 775N	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000–E, LP10000DC–E, LP1050–E, LP1050DC–E, LP8000–EMC ⁴ , LP9002–E (LP9002L–E), LP9002DC–E, LP9802–E, LP9802DC–E, LP982–E; QLogic: QLA2310F–E–SP, QLA2340–E–SP, QLA2342–E–SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- No EMC Layered Applications supported on IA64 server platforms**
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.

Fujitsu Siemens

Fujitsu Siemens – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Primergy: B210, C200, E200, F200, F250 ⁵ , H200, H250 ⁵ , H400, H450, K400, L200, N200, N400, N800, P200, P250, R450, RX100, RX200, RX300, RX600, RX800, T850, TX200, TX300, TX600	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP8000–EMC ⁴ , LP9002–E (LP9002L–E), LP9802–E	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- Must use standard PCI 32bit/33MHz slot for SCSI

HPQ

HPQ – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Proliant 6500 ^{5, 8}	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
2	Proliant BL20p (G2)	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	HPQ Dual-port mezzanine controller card ^{6, 7}	See ¹
3	Proliant: 3000 ⁵ , 7000 ^{5, 8}	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
4	Proliant: 8500, BL40p, DL320 ⁵ , DL360(G2) ⁵ , DL360(G3), DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL560, DL580(G2) ⁵ , DL580(G3), DL580 ⁵ , DL740, DL760 (G2), DL760 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570(G2), ML570 ⁵ , ML750 ⁵	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Supports BIOS 1.34. Supports SNIA HBA API. Driver and BIOS available at <http://www.qlogic.com>.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Includes both Pentium PRO and XEON models

IBM

IBM – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	eServer BladeCenter HS20 (Model 8678) ¹²	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³ , 7, 8, 9	HA: 4	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{10, 11}	See ¹
2	xSeries x450	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ⁷ , 8, 9	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹³

IBM – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
3	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x235, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ⁶ , 24P0960(QLA2340) ⁵ ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- This HBA is equivalent to the qLogic QLA2340.
- This HBA is equivalent to the qLogic QLA2310.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
- No EMC Layered Applications supported on IA64 server platforms

NCR

NCR – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Worldmark: 4500, 45xx, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

NEC

NEC – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Express 5800: 1080Xd, 1160Xd, 1320Xd	Microsoft Windows 2003 64-Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{6, 7, 8}	HA: 4	NEC: NT2007A-A001 ¹⁰ , NT2010A-A001 ⁹	See ⁵
2	Express 5800: 1080Xd, 1160Xd, 1320Xd	Microsoft Windows 2003 64-Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	NEC ClusterPro 7.0		NEC: NT2007A-A001 ¹⁰ , NT2010A-A001 ⁹	See ⁵
3	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	NEC ClusterPro 7.0	HA: 2	NEC N8190-105	
4	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4, 180Rc-4	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- No EMC Layered Applications supported on IA64 server platforms
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- This HBA is equivalent to the qLogic QLA2340.
- This HBA is equivalent to the Emulex LP982.

Unisys

Unisys – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP ⁵	See ¹
2	ES7000/130; ES7000/410; ES7000/420; ES7000/430	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{6, 7, 8}	HA: 4	Emulex: LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP; Unisys FCH742313-P64 (LP9802)	See ⁵
3	ES7000/520; ES7000/530; ES7000/540	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS	HA: 2	Unisys FCH742313-P64 (LP9802)	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- No EMC Layered Applications supported on IA64 server platforms**
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.

Microsoft Windows NT

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN. NOTE: Windows NT installation will fail immediately after installing Network Services for hosts that use an Intel Network Interface Card (NIC).

DG

DG – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	AViiON: AV1400, AV2800, AV3704, AV8600	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{3, 4}	HA: 2	QLogic QLA2310F-E-SP	See ¹
2	AViiON: AV1400, AV2800, AV3704R, AV8600, AV8900, AV8950R	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{3, 4}	HA: 2	Emulex: LP8000-EMC ⁷ , LP850-EMC	See ^{1, 5}
3	AViiON: AV1400, AV2800, AV3704R, AV8600, AV8900, AV8950R	Microsoft Windows NT 4.0 SP6A ²	NCR LifeKeeper Windows NT: 1.0 ⁶ , 2.0	HA: 2	Emulex: LP8000-EMC ⁷ , LP850-EMC	See ⁵
4	AViiON: AV8900, AV8950R	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{3, 4}	HA: 2	Emulex LP9002-E (LP9002L-E); QLogic QLA2310F-E-SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- HP LXR-PRO8 support has been discontinued.
- V1.0 is only qualified on Windows NT 4.0 SP3.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Dell

Dell – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 2650	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{6, 7}	HA: 2	HPQ: A5246A (Agilent HHBA-5000A) ² , D8602A (Agilent HHBA-5101B) ^{2, 9} , D8602B (Agilent HHBA-5101C) ^{2, 8} ; QLogic QLA2200F-EMC	See ^{1, 5}
2	PowerEdge 2650	Microsoft Windows NT 4.0 SP6A ²	NCR LifeKeeper Windows NT: 1.0 ³ , 2.0	HA: 2	HPQ: A5246A (Agilent HHBA-5000A) ² , D8602A (Agilent HHBA-5101B) ^{2, 9} , D8602B (Agilent HHBA-5101C) ^{2, 8} ; QLogic QLA2200F-EMC	See ¹

Dell – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
3	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2500, 2550 ¹⁰ , 2600, 6100, 6300, 6350, 6400, 6450, 6600, 6650, 8450	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{6,7}	HA: 2	Emulex: LP8000-EMC ⁴ , LP850-EMC; HPQ: A5246A (Agilent HHBA-5000A) ² , D8602A (Agilent HHBA-5101B) ^{2,9} , D8602B (Agilent HHBA-5101C) ^{2,8} ; QLogic QLA2200F-EMC	See ^{1,5}
4	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2500, 2550 ¹⁰ , 2600, 6100, 6300, 6350, 6400, 6450, 6600, 6650, 8450	Microsoft Windows NT 4.0 SP6A ²	NCR LifeKeeper Windows NT: 1.0 ³ , 2.0	HA: 2	Emulex: LP8000-EMC ⁴ , LP850-EMC; HPQ: A5246A (Agilent HHBA-5000A) ² , D8602A (Agilent HHBA-5101B) ^{2,9} , D8602B (Agilent HHBA-5101C) ^{2,8} ; QLogic QLA2200F-EMC	See ¹
5	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ¹⁰ , 2600, 2650, 4600, 6300, 6350, 6400, 6450, 6600, 6650, 8450	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{6,7}	HA: 2	Emulex LP9002-E (LP9002L-E); QLogic QLA2310F-E-SP	See ⁵
6	PowerEdge: 2300, 6100	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{6,7}	HA: 2	QLogic QLA2310F-E-SP	See ⁵

- HP LXR-PRO8 support has been discontinued.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- V1.0 is only qualified on Windows NT 4.0 SP3.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
- (HHBA-5101BK-01)
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.

Fujitsu Siemens

Fujitsu Siemens – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Primergy: B210, C200, E200, F200, F250 ⁸ , H400, H450, K400, L200, N200, N400, N800, P200, P250, RX100	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{3,4}	HA: 2	Emulex LP8000-EMC ⁶	See ^{1,5}
2	Primergy: B210, C200, E200, F200, F250 ⁸ , H400, H450, K400, L200, N200, N400, N800, P200, P250, RX100	Microsoft Windows NT 4.0 SP6A ²	NCR LifeKeeper Windows NT: 1.0 ⁷ , 2.0	HA: 2	Emulex LP8000-EMC ⁶	See ⁵
3	Primergy: H400, H450, K400, N400, N800, R450	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{3,4}	HA: 2	Emulex LP9002-E (LP9002L-E)	See ¹
4	Primergy: RX200, RX300, RX600, RX800, TX200, TX300, TX600	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{3,4}	HA: 2	Emulex: LP850-EMC, LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E	See ^{1,5}
5	Primergy: RX200, RX300, RX600, RX800, TX200, TX300, TX600	Microsoft Windows NT 4.0 SP6A ²	NCR LifeKeeper Windows NT: 1.0 ⁷ , 2.0	HA: 2	Emulex: LP850-EMC, LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E	See ⁵

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- HP LXR-PRO8 support has been discontinued.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- V1.0 is only qualified on Windows NT 4.0 SP3.
- Must use standard PCI 32bit/33MHz slot for SCSI

HPQ

HPQ – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserv LC: 2000 U3, 2000r; Netserv LH: (LH Pro), 3, 3000, 4, 6000, II; Netserv: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	Microsoft Windows NT 4.0 SP6A ³	Microsoft MSCS ^{4,5}	HA: 2	Emulex: LP8000-EMC ¹¹ , LP850-EMC; HPQ: A5246A (Agilent HHBA-5000A) ³ , D8602A (Agilent HHBA-5101B) ^{3,12} , D8602B (Agilent HHBA-5101C) ^{3,13} ; QLogic QLA2200F-EMC	See ^{1,2}
2	Netserv LC: 2000 U3, 2000r; Netserv LH: (LH Pro), 3, 3000, 4, 6000, II; Netserv: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	Microsoft Windows NT 4.0 SP6A ³	NCR LifeKeeper Windows NT: 1.0 ⁶ , 2.0	HA: 2	Emulex: LP8000-EMC ¹¹ , LP850-EMC; HPQ: A5246A (Agilent HHBA-5000A) ³ , D8602A (Agilent HHBA-5101B) ^{3,12} , D8602B (Agilent HHBA-5101C) ^{3,13} ; QLogic QLA2200F-EMC	See ¹

HPQ – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
3	Netserv LC: 2000 U3, 2000r; Netserv: LP 2000r, LT 6000R; Proliant: 3000 ⁷ , 5500 ^{7,8} , 6400R ⁷ , 7000 ^{7,8} , 8500 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360(G3), DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL560, DL580(G2) ⁷ , DL580(G3), DL580 ⁷ , DL740, DL760 (G2), DL760 ⁷ , ML350 ⁷ , ML370(G2) ⁷ , ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570(G2) ¹⁴ , ML570 ⁷	Microsoft Windows NT 4.0 SP6A ³	Microsoft MSCS ^{4,5}	HA: 2	Emulex LP9002-E (LP9002L-E); QLogic QLA2310F-E-SP	See ²
4	Netserv LH: (LH Pro), 3, 3000, 4, 6000, II; Netserv: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{7,9} , 1850 ⁷ , 2500 ⁷ , 5000 ⁷ , 6000 ^{7,8} , 6500 ^{7,8} , 8000 ^{7,8} , 850 ⁷	Microsoft Windows NT 4.0 SP6A ³	Microsoft MSCS ^{4,5}	HA: 2	QLogic QLA2310F-E-SP	See ²
5	Proliant 1600 ^{7,9}	Microsoft Windows NT 4.0 SP6A ³	Microsoft MSCS ^{4,5}	HA: 2	Emulex: LP8000-EMC ¹¹ , LP850-EMC; HPQ: 176479-B21, A5246A (Agilent HHBA-5000A) ³ ; QLogic QLA2200F-EMC	See ^{1,2}
6	Proliant 1600 ^{7,9}	Microsoft Windows NT 4.0 SP6A ³	NCR LifeKeeper Windows NT: 1.0 ⁶ , 2.0	HA: 2	Emulex: LP8000-EMC ¹¹ , LP850-EMC; HPQ: 176479-B21, A5246A (Agilent HHBA-5000A) ³ ; QLogic QLA2200F-EMC	See ¹
7	Proliant DL380(G3)	Microsoft Windows NT 4.0 SP6A ³	Microsoft MSCS ^{4,5}	HA: 2	Emulex: LP8000-EMC ¹¹ , LP850-EMC; HPQ 176479-B21; QLogic QLA2200F-EMC	See ^{1,2}
8	Proliant DL380(G3)	Microsoft Windows NT 4.0 SP6A ³	NCR LifeKeeper Windows NT: 1.0 ⁶ , 2.0	HA: 2	Emulex: LP8000-EMC ¹¹ , LP850-EMC; HPQ 176479-B21; QLogic QLA2200F-EMC	See ¹
9	Proliant: 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6400R ⁷ , 6500 ^{7,8} , 7000 ^{7,8} , 8000 ^{7,8} , 8500 ⁷ , 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360(G3), DL360 ⁷ , DL380(G2) ⁷ , DL380 ⁷ , DL580(G2) ⁷ , DL580(G3), DL580 ⁷ , DL760 (G2), DL760 ⁷ , ML350 ⁷ , ML370(G2) ⁷ , ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570(G2) ¹⁴ , ML570 ⁷ , ML750 ¹⁰	Microsoft Windows NT 4.0 SP6A ³	Microsoft MSCS ^{4,5}	HA: 2	Emulex: LP8000-EMC ¹¹ , LP850-EMC; HPQ: 176479-B21, A5246A (Agilent HHBA-5000A) ³ , D8602A (Agilent HHBA-5101B) ^{3,12} , D8602B (Agilent HHBA-5101C) ^{3,13} ; QLogic QLA2200F-EMC	See ^{1,2}
10	Proliant: 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6400R ⁷ , 6500 ^{7,8} , 7000 ^{7,8} , 8000 ^{7,8} , 8500 ⁷ , 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360(G3), DL360 ⁷ , DL380(G2) ⁷ , DL380 ⁷ , DL580(G2) ⁷ , DL580(G3), DL580 ⁷ , DL760 (G2), DL760 ⁷ , ML350 ⁷ , ML370(G2) ⁷ , ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570(G2) ¹⁴ , ML570 ⁷ , ML750 ¹⁰	Microsoft Windows NT 4.0 SP6A ³	NCR LifeKeeper Windows NT: 1.0 ⁶ , 2.0	HA: 2	Emulex: LP8000-EMC ¹¹ , LP850-EMC; HPQ: 176479-B21, A5246A (Agilent HHBA-5000A) ³ , D8602A (Agilent HHBA-5101B) ^{3,12} , D8602B (Agilent HHBA-5101C) ^{3,13} ; QLogic QLA2200F-EMC	See ¹
11	Proliant: DL560, DL740	Microsoft Windows NT 4.0 SP6A ³	Microsoft MSCS ^{4,5}	HA: 2	Emulex: LP8000-EMC ¹¹ , LP850-EMC; QLogic QLA2200F-EMC	See ^{1,2}
12	Proliant: DL560, DL740	Microsoft Windows NT 4.0 SP6A ³	NCR LifeKeeper Windows NT: 1.0 ⁶ , 2.0	HA: 2	Emulex: LP8000-EMC ¹¹ , LP850-EMC; QLogic QLA2200F-EMC	See ¹

- HP LXR-PRO8 support has been discontinued.
- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- V1.0 is only qualified on Windows NT 4.0 SP3.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Includes both Pentium PRO and XEON models
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- (HHBA-5101BK-01)
- The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.

14. Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).

IBM

IBM – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁵ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x350 (6000R), x360, x370	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{3, 4}	HA: 2	Emulex: LP8000–EMC ⁷ , LP850–EMC; IBM: 00N6881 (QLA2200) ^{8, 9} , 19K1246(QLA2310) ¹¹ , 24P0960(QLA2340) ¹² ; QLogic QLA2200F–EMC	See ^{1, 6}
2	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁵ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x350 (6000R), x360, x370	Microsoft Windows NT 4.0 SP6A ²	NCR LifeKeeper Windows NT: 1.0 ¹⁰ , 2.0	HA: 2	Emulex: LP8000–EMC ⁷ , LP850–EMC; IBM: 00N6881 (QLA2200) ^{8, 9} , 19K1246(QLA2310) ¹¹ , 24P0960(QLA2340) ¹² ; QLogic QLA2200F–EMC	See ⁶
3	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ⁵ , 7100	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{3, 4}	HA: 2	QLogic QLA2310F–E–SP	See ¹
4	Netfinity: 5600, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x350 (6000R), x360, x370	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{3, 4}	HA: 2	Emulex LP9002–E (LP9002L–E); QLogic QLA2310F–E–SP	See ¹
5	Netfinity: 6000R, 8500; xSeries: x440, x445	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{3, 4}	HA: 2	Emulex LP9002–E (LP9002L–E); IBM: 00N6881 (QLA2200) ⁹ , 19K1246(QLA2310) ¹¹ , 24P0960(QLA2340) ¹² ; QLogic QLA2310F–E–SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- HP LXR–PRO8 support has been discontinued.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- For IBM Netfinity and xSeries Intel servers only.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- V1.0 is only qualified on Windows NT 4.0 SP3.
- This HBA is equivalent to the qLogic QLA2310.
- This HBA is equivalent to the qLogic QLA2340.

NCR

NCR – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Worldmark: 4300, 4380, 4400	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{3, 4}	HA: 2	Emulex: LP8000–EMC ⁶ , LP850–EMC; HPQ: A5246A (Agilent HHBA–5000A) ² , D8602A (Agilent HHBA–5101B) ² , D8602B (Agilent HHBA–5101C) ^{2, 8} ; QLogic QLA2200F–EMC	See ^{1, 5}
2	Worldmark: 4300, 4380, 4400	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{3, 4}	HA: 2	QLogic QLA2310F–E–SP	See ¹
3	Worldmark: 4300, 4380, 4400	Microsoft Windows NT 4.0 SP6A ²	NCR LifeKeeper Windows NT: 1.0 ⁷ , 2.0	HA: 2	Emulex: LP8000–EMC ⁶ , LP850–EMC; HPQ: A5246A (Agilent HHBA–5000A) ² , D8602A (Agilent HHBA–5101B) ² , D8602B (Agilent HHBA–5101C) ^{2, 8} ; QLogic QLA2200F–EMC	See ⁵

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- HP LXR–PRO8 support has been discontinued.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- V1.0 is only qualified on Windows NT 4.0 SP3.
- The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP. (HHBA–5101BK–01)

NEC

NEC – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Express 5800: 120Md, 120Ra–2, 120Rc–2, 120Rd–1, 120Rf–2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra–4, 140Rc–4	Microsoft Windows NT 4.0 SP6A ²	NEC ClusterPro 6.0	HA: 2	Emulex LP850–EMC; NEC: N8190–105, N8503–200	See ⁵
2	Express 5800: 140Hb, 140Ra–4	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ^{3, 4}	HA: 2	Emulex LP9002–E (LP9002L–E); NEC N8190–105; QLogic QLA2310F–E–SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- HP LXR–PRO8 support has been discontinued.

Unisys

Unisys – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	DR/2; DS/2; ES2024; ES2025; ES2043; ES2045; ES2085; ES5024; ES5043; ES5044; ES5045; ES5085; ES7000/100; ES7000/200; ES7000/230; QR/2; QS/2	Microsoft Windows NT 4.0 SP6A ³	Microsoft MSCS ⁴ , 5	HA: 2	Unisys: FCH720111–P64 (LP8000–D1) ³ , FCH720113–P64 (LP8000–EMC, LP8000–F1) ³	See ^{1, 2}

1. HP LXR–PRO8 support has been discontinued.
2. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
3. EMC recommends that HBAs of different vendors not be used in the same host server.
4. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
5. MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.

NCR UNIX SVR4 MPRAS
NCR

NCR – NCR UNIX SVR4 MPRAS					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	Worldmark: 4850, 4900, 4950	NCR UNIX SVR4 MPRAS 3.02	NCR TW 7.0 version V2R5.0	HA: 4	LSI ITI7004G2 ² ; QLogic QLA2204F ¹
2	Worldmark: 4980, 5380	NCR UNIX SVR4 MPRAS 3.02	NCR TW 7.0 version V2R5.0	HA: 4	LSI ITI7004G2 ²
3	Worldmark: 5250, 5300, 5350	NCR UNIX SVR4 MPRAS 3.02	NCR TW 7.0 version V2R5.0	HA: 512	LSI ITI7004G2 ² ; QLogic QLA2204F ¹

1. Packages PKERN302 and PS MBAS302 available from NCR.
2. Requires package PSCSI302 Ver.02.10.10.09 or higher available from NCR.

Novell Network
Dell

Dell – Novell Network					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁶ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Network 6.0: SP1 ^{1, 2, 3, 4} , SP2 ^{1, 2, 3, 4} , SP3 ¹ ; Novell Network 6.5 ^{1, 8}	Novell Network Cluster Services Server (NCS) v1.6		QLogic: QLA2200F–EMC ⁵ , QLA2310F–E–SP, QLA2340–E–SP
2	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁶ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Network 6.5 ^{1, 8}	Novell Network Cluster Services Server (NCS) v1.7		QLogic: QLA2200F–EMC ⁵ , QLA2310F–E–SP, QLA2340–E–SP
3	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁶ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Network: 5.00 SP6A ^{1, 7} , 5.10 SP2A ² , 5.10 SP5 ^{2, 3, 4} , 5.10 SP6	Novell Network Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic: QLA2200F–EMC, QLA2310F–E–SP, QLA2340–E–SP

1. NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
2. Maximum number of NWFS volumes that can be mounted is 64.
3. Novell Storage Services supported.
4. Powerpath & ATF supported.
5. Requires HBA firmware 1.79.
6. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
7. Requires NWPA.NLM V.3.07A update from Novell website.
8. Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.

Fujitsu Siemens

Fujitsu Siemens – Novell Network					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	Primergy: 700, H250 ⁴ , H400, K400, N400, N800	Novell Network 6.0: SP1 ^{1, 2, 3, 5} , SP2 ^{1, 2, 3, 5} , SP3 ⁵ ; Novell Network 6.5 ^{5, 8}	Novell Network Cluster Services Server (NCS) v1.6		QLogic: QLA2200F–EMC ⁶ , QLA2310F–E–SP, QLA2340–E–SP
2	Primergy: 700, H250 ⁴ , H400, K400, N400, N800	Novell Network 6.5 ^{5, 8}	Novell Network Cluster Services Server (NCS) v1.7		QLogic: QLA2200F–EMC ⁶ , QLA2310F–E–SP, QLA2340–E–SP
3	Primergy: 700, H250 ⁴ , H400, K400, N400, N800	Novell Network: 5.00 SP6A ^{1, 7} , 5.10 SP2A ¹ , 5.10 SP5 ^{1, 2, 3} , 5.10 SP6	Novell Network Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic QLA2200F–EMC

1. Maximum number of NWFS volumes that can be mounted is 64.
2. Powerpath & ATF supported.
3. Novell Storage Services supported.
4. Must use standard PCI 32bit/33MHz slot for SCSI
5. NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
6. Requires HBA firmware 1.79.
7. Requires NWPA.NLM V.3.07A update from Novell website.
8. Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.

HPQ

HPQ – Novell Netware					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	Netserver LC: 2000 U3 ⁴ , 2000 ⁴ , Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9,11} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9,10} , 6000 ^{9,10} , 6400R ⁹ , 6500 ^{9,10} , 7000 ^{9,10} , 8000 ⁹ , 10, 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360(G3), DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL560, DL580(G2) ⁹ , DL580(G3), DL580 ⁹ , DL760 (G2), DL760 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570(G2) ⁸ , ML570 ⁹ , ML750 ¹²	Novell Netware: 5.00 SP6A ^{1,5} , 5.10 SP2A ¹ , 5.10 SP5 ¹ , 2, 3, 5.10 SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP
2	Netserver: LC 2000 U3, LH (LH Pro), LH 3, LH 3000, LH 4, LH 6000, LH II, LH III, LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9,11} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9,10} , 6000 ^{9,10} , 6400R ⁹ , 6500 ^{9,10} , 7000 ^{9,10} , 8000 ^{9,10} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360(G3), DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL560, DL580(G2) ⁹ , DL580(G3), DL580 ⁹ , DL740, DL760 (G2), DL760 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570(G2) ⁸ , ML570 ⁹	Novell Netware 6.5 ^{6,13}	Novell Netware Cluster Services Server (NCS) v1.7		QLogic: QLA2200F-EMC ⁷ , QLA2310F-E-SP, QLA2340-E-SP
3	Netserver: LC 2000 U3, LH (LH Pro), LH 3, LH 3000, LH 4, LH 6000, LH II, LH III, LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9,11} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9,10} , 6000 ^{9,10} , 6400R ⁹ , 6500 ^{9,10} , 7000 ^{9,10} , 8000 ⁹ , 10, 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360(G3), DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL560, DL580(G2) ⁹ , DL580(G3), DL580 ⁹ , DL740, DL760 (G2), DL760 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570(G2) ⁸ , ML570 ⁹	Novell Netware 6.0: SP1 ^{1,2,3,6} , SP2 ^{1,2,3,6} , SP3 ⁶ ; Novell Netware 6.5 ^{6,13}	Novell Netware Cluster Services Server (NCS) v1.6		QLogic: QLA2200F-EMC ⁷ , QLA2310F-E-SP, QLA2340-E-SP
4	Proliant DL740	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , 2, 3, SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP
5	Proliant: DL380(G3), ML370(G3)	Novell Netware 6.0: SP1 ^{1,2,3,6} , SP2 ^{1,2,3,6} , SP3 ⁶ ; Novell Netware 6.5 ^{6,13}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic: QLA2200F-EMC ⁷ , QLA2310F-E-SP, QLA2340-E-SP

- Maximum number of NWFS volumes that can be mounted is 64.
- Powerpath & ATF supported.
- Novell Storage Services supported.
- HP NetServer LC2000 is only supported with two processors. Uni-Processor configurations are not supported
- Requires NWPA.NLM V.3.07A update from Novell website.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
- Requires HBA firmware 1.79.
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Includes both Pentium PRO and XEON models
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**

IBM

IBM – Novell Netware					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁵ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x255, x350 (6000R), x360, x370, x440, x445	Novell Netware: 5.00 SP6A ^{1,7} , 5.10 SP2A ¹ , 5.10 SP5 ^{1,2,3} , 5.10 SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP
2	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁵ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x350 (6000R), x360, x370, x440, x445	Novell Netware 6.0: SP1 ^{1,2,3,4} , SP2 ¹ , 2, 3, 4, SP3 ⁴ ; Novell Netware 6.5 ^{4,8}	Novell Netware Cluster Services Server (NCS) v1.6		QLogic: QLA2200F-EMC ⁶ , QLA2310F-E-SP, QLA2340-E-SP
3	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁵ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x350 (6000R), x360, x370, x440, x445	Novell Netware 6.5 ^{4,8}	Novell Netware Cluster Services Server (NCS) v1.7		QLogic: QLA2200F-EMC ⁶ , QLA2310F-E-SP, QLA2340-E-SP
4	xSeries X335	Novell Netware 5.10: SP5 ^{1,2,3} , SP6	Novell Netware Cluster Services Server (NCS) v1.01 SP4	HA: 8	QLogic: QLA2310F-E-SP, QLA2340-E-SP
5	xSeries X335	Novell Netware 6.0: SP1 ^{1,2,3,4} , SP2 ¹ , 2, 3, 4, SP3 ⁴ ; Novell Netware 6.5 ^{4,8}	Novell Netware Cluster Services Server (NCS) v1.6		QLogic: QLA2310F-E-SP, QLA2340-E-SP
6	xSeries X335	Novell Netware 6.5 ^{4,8}	Novell Netware Cluster Services Server (NCS) v1.7		QLogic: QLA2310F-E-SP, QLA2340-E-SP

- Maximum number of NWFS volumes that can be mounted is 64.
- Powerpath & ATF supported.
- Novell Storage Services supported.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- Requires HBA firmware 1.79.
- Requires NWPA.NLM V.3.07A update from Novell website.
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**

Red Hat Linux
Dell

Dell – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 8450 ^{7,8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{3,10,14}	Oracle 9i RAC 9.2.0.1.0 ^{6,11,12,13}	RAC: 8	QLogic QLA2340-E-SP ¹⁵	
2	PowerEdge 8450 ^{7,8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{3,10}	Oracle 9i RAC 9.2.0.1.0 ^{6,11,12,13}	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	
3	PowerEdge 8450 ^{7,8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{3,10}	Veritas Cluster Server (VCS) 2.0 ¹⁷ , 18, 19	HA: 8	QLogic QLA2340-E-SP	
4	PowerEdge 8450 ^{7,8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1,2,3,4,5,16}	Oracle 9i RAC 9.2.0.1.0 ⁶	RAC: 8	QLogic QLA2340-E-SP	

Dell – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
5	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{3, 10}	Oracle 9i RAC 9.2.0.1.0 ^{11, 12, 13}	RAC: 8	QLogic QLA2340-E-SP, QLA2342-E-SP	
6	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3, 10, 14} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{11, 12, 13}	RAC: 8	QLogic QLA2310F-E-SP ¹⁵	
7	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3, 10} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2310F-E-SP, QLA2342-E-SP	
8	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3, 10} , v2.4.9-E.9 ^{3, 10}	Oracle 9i RAC 9.2.0.1.0 ^{11, 12, 13}	RAC: 8	QLogic QLA2310F-E-SP	
9	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{6, 11, 12, 13}	RAC: 8	QLogic QLA2340-E-SP ¹⁵	See ²⁰
10	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2340-E-SP	See ²⁰
11	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{3, 10}	Oracle 9i RAC 9.2.0.1.0 ^{11, 12, 13}	RAC: 8	QLogic QLA2340-E-SP ⁹	
12	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{3, 10}	Oracle 9i RAC 9.2.0.1.0 ^{6, 11, 12, 13}	RAC: 8	QLogic QLA2342-E-SP	
13	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3, 4, 5}	Oracle 9i RAC 9.2.0.1.0 ⁶	RAC: 8	QLogic QLA2310F-E-SP ⁹	
14	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3, 5}	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic QLA2340-E-SP ⁹	
15	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{3, 10}	Oracle 9i RAC 9.2.0.1.0 ^{11, 12, 13}	RAC: 8	QLogic QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
16	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3, 10, 14} , v2.4.9-E.12 ^{3, 10} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{6, 11, 12, 13}	RAC: 8	QLogic QLA2310F-E-SP ^{9, 15}	
17	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8} , 8450 ^{7, 8}	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{6, 11, 12, 13}	RAC: 8	QLogic QLA2342-E-SP ¹⁵	
18	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{3, 10, 14}	Oracle 9i RAC 9.2.0.1.0 ^{11, 12, 13}	RAC: 8	QLogic QLA2340-E-SP ^{9, 15} , QLA2342-E-SP ¹⁵	
19	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{3, 10}	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2340-E-SP ⁹	
20	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3, 10} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2310F-E-SP ^{9, 15} , QLA2342-E-SP	
21	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8}	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{11, 12, 13}	RAC: 8	QLogic QLA2340-E-SP ^{9, 15}	See ²⁰
22	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8}	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2340-E-SP ⁹	See ²⁰
23	PowerEdge: 1750, 2600, 4600, 6450, 8450	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 21} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 21} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP	See ²⁰
24	PowerEdge: 1750, 2600, 4600, 6450, 8450	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 21} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 21} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2342-E-SP	
25	PowerEdge: 2650, 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 21} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 21} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP, QLA2342-E-SP	
26	PowerEdge: 2650 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3, 10, 14} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{11, 12, 13}	RAC: 8	QLogic QLA2340-E-SP ^{9, 15}	
27	PowerEdge: 2650 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3, 10} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2310F-E-SP ^{9, 15} , QLA2340-E-SP ⁹ , QLA2342-E-SP	
28	PowerEdge: 2650 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8} , 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{3, 10, 14}	Oracle 9i RAC 9.2.0.1.0 ^{11, 12, 13}	RAC: 8	QLogic QLA2342-E-SP ¹⁵	

1. Watchdog Timer should be disabled in ocmargs.ora
2. Supported with QLogic driver v6.05.00.
3. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
4. OCFS (Oracle Cluster File System) is not supported.
5. Supported with QLogic driver v6.04.02.
6. Configuration information available on EMC PowerLink and Avator: See the Case Study "Oracle 9i RAC on Linux Red Hat 7.1 and Red Hat 2.1 Advanced Server with CLARiON Storage Arrays" in the EMC Networked Storage Topology Guide.
7. QLogic driver is available with Dell/Oracle CC kit.
8. An RPM from Dell may be used to install the QLogic v6.X driver. RPM may be obtained from the QLogic website.
9. Host must be offline for interfamily Symmetrix microcode upgrade.
10. This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
11. requires patch p2632931_9202_LINUX.zip (9.2.0.2 patch set).
12. Oracle Cluster File System v1.x supported with Linux v2.4.9-E9, E10, E12, E16, E24, E25.
13. Requires patch p2646914_9202_LINUX.zip (Private Network Fix).
14. OCFS (Oracle Cluster File System) is supported. Requires patch mount-2.11g-6i386.rpm (ocfs mount support).
15. Driver v6.04.00 or above must be used with QLogic HBAs for direct attach configurations.
16. PowerPath is not supported.
17. GAB disks (membership and service group heartbeat disks) are not supported.
18. When VxVM is used, EMC recommends VxVM 3.2 update 2, VxFS 3.4 update 1 and above.
19. Review single attach VxVM notes for PowerPath and DMP restrictions.
20. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.

21. This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.

Fujitsu Siemens

Fujitsu Siemens – Red Hat Linux				
No.	Host System	Operating System	Cluster Software	Host Bus Adapter
1	Primergy: B210, C200, E200, F200, F250 ⁵ , H200, H250 ⁵ , H400, H450, K400, L200, N200, N800, P200, P250, R450, RX100, RX200, RX300, RX600, RX800, T850, TX200, TX300, TX600	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1,2} , v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Fujitsu Siemens PRIMECLUSTER 4.0a2	Emulex LP9802-E ³
2	Primergy: B210, C200, E200, F200, F250 ⁵ , H200, H250 ⁵ , H400, H450, K400, L200, N200, N800, P200, P250, R450, RX100, RX200, RX300, RX600, RX800, T850, TX200, TX300, TX600	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Fujitsu Siemens PRIMECLUSTER 4.0a2	Emulex LP982-E ^{6,7,8,9,10,11}
3	Primergy: B210, C200, E200, F200, F250 ⁵ , H200, H250 ⁵ , H400, H450, K400, L200, N200, N800, P200, P250, R450, RX200, RX300, T850, TX200, TX300	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1,2} , v2.4.9-e.24 ² , v2.4.9-e.25 ^{2,4} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ² , v2.4.9-e.25 ^{2,4} , v2.4.9-e.27	Fujitsu Siemens PRIMECLUSTER 4.0a2	QLogic QLA2200F-EMC
4	Primergy: B210, C200, E200, F200, F250 ⁵ , H200, H250 ⁵ , H400, H450, K400, L200, N200, N800, P200, P250, R450, RX200, RX300, T850, TX200, TX300	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1,2} , v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Fujitsu Siemens PRIMECLUSTER 4.0a2	Emulex LP9802-E (LP9002L-E) ³
5	Primergy: RX100, RX600, RX800, TX600	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1,2} , v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Fujitsu Siemens PRIMECLUSTER 4.0a2	Emulex LP9002-E (LP9002L-E) ³ ; QLogic QLA2200F-EMC

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- Must use standard PCI 32bit/33MHz slot for SCSI
- Single HBA zoning is required regardless of the switch being utilized.**
- Host must be offline for interfamily Symmetrix microcode upgrade.**
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.**
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.**
- Emulex driver and BIOS available from <http://www.emulex.com>.**
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**

HPQ

HPQ – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserv LC: 2000 U3, 2000R; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000R, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{1,2,3}	Oracle 9i RAC 9.2.0.1.0 ^{4,19,20}	RAC: 8	QLogic QLA2342-E-SP ⁵	
2	Netserv LC: 2000 U3, 2000R; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000R, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{3,9,10,11,12}	Oracle 9i RAC 9.2.0.1.0 ⁶	RAC: 8	QLogic QLA2310F-E-SP ⁷	
3	Netserv LC: 2000 U3, 2000R; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000R, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,3} , v2.4.9-E.12 ^{1,3} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{4,6,19,20}	RAC: 8	QLogic QLA2310F-E-SP ^{5,7}	
4	Netserv LC: 2000 U3, 2000R; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000R, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,3} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{4,6,19,20}	RAC: 8	QLogic QLA2342-E-SP ^{5,7}	
5	Netserv LC: 2000 U3, 2000R; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000R, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,3} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{14,15,16}	HA: 8	QLogic: QLA2310F-E-SP ^{5,7} , QLA2342-E-SP ^{5,7}	
6	Netserv LC: 2000 U3, 2000R; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000R, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1,3} , v2.4.9-e.24 ³ , v2.4.9-e.25 ^{3,17} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.16 ^{1,3} , v2.4.9-e.24 ³ , v2.4.9-e.25 ^{3,17} , v2.4.9-e.27	Fujitsu Siemens PRIMECLUSTER 4.0a2		QLogic QLA2200F-EMC	
7	Netserv LC: 2000 U3, 2000R; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000R, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant: DL360(G3), DL380(G3), DL580(G3), ML370(G3)	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3,17} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,17} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2342-E-SP	
8	Netserv LC: 2000 U3, 2000R; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000R, LT 6000R, LXR 8000, LXR 8500; Proliant: DL360(G3), DL380(G3), DL580(G3), ML370(G3)	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3,17} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,17} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP	See ¹⁸
9	Netserv LC: 2000 U3, 2000R; Netserv LH: 3, 4, 6000, III; Netserv: LP 2000R, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{1,3}	Oracle 9i RAC 9.2.0.1.0 ^{4,6,19,20}	RAC: 8	QLogic QLA2340-E-SP ⁷	See ¹⁸
10	Netserv LC: 2000 U3, 2000R; Netserv LH: 3, 4, 6000, III; Netserv: LP 2000R, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{3,9,10,11,12,21}	Oracle 9i RAC 9.2.0.1.0 ⁶	RAC: 8	QLogic QLA2340-E-SP ⁷	See ¹⁸

HPQ – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
11	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.g ¹ , ³	Oracle 9i RAC 9.2.0.1.0 ⁴ , ⁶ , ¹⁹ , ²⁰	RAC: 8	QLogic QLA2340-E-SP	See ¹⁸
12	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.g ¹ , ³	Oracle 9i RAC 9.2.0.1.0 ⁴ , ⁶ , ¹⁹ , ²⁰	RAC: 8	QLogic: QLA2310F-E-SP, QLA2342-E-SP	
13	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ¹ , ² , ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ⁴ , ⁶ , ¹⁹ , ²⁰	RAC: 8	QLogic QLA2340-E-SP ⁵ , ⁷	See ¹⁸
14	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ¹ , ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ¹⁴ , ¹⁵ , ¹⁶	HA: 8	QLogic QLA2340-E-SP ⁷	See ¹⁸
15	Netserver LH 3000	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ¹ , ² , ³	Oracle 9i RAC 9.2.0.1.0 ⁴ , ⁶ , ¹⁹ , ²⁰	RAC: 8	QLogic QLA2340-E-SP ⁵ , ⁷	
16	Netserver LH 3000	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ¹ , ³	Oracle 9i RAC 9.2.0.1.0 ⁴ , ⁶ , ¹⁹ , ²⁰	RAC: 8	QLogic QLA2340-E-SP ⁷	
17	Netserver LH 3000	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ³ , ⁹ , ¹⁰ , 11, 12, 21	Oracle 9i RAC 9.2.0.1.0 ⁶	RAC: 8	QLogic QLA2340-E-SP ⁷	
18	Netserver LH 3000	Red Hat Linux 2.1 Advanced Server v2.4.9-E.g ¹ , ³	Oracle 9i RAC 9.2.0.1.0 ⁴ , ⁶ , ¹⁹ , ²⁰	RAC: 8	QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	
19	Netserver LH 3000	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ⁴ , ⁶ , ¹⁹ , ²⁰	RAC: 8	QLogic QLA2340-E-SP ⁵ , ⁷	See ¹⁸
20	Netserver LH 3000; Proliant 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ¹ , ³	Veritas Cluster Server (VCS) 2.0 ¹⁴ , ¹⁵ , ¹⁶	HA: 8	QLogic QLA2340-E-SP ⁷	
21	Netserver LH 3000; Proliant 8500	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ¹⁴ , ¹⁵ , ¹⁶	HA: 8	QLogic QLA2340-E-SP ⁷	See ¹⁸
22	Netserver LPR	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ³ , ¹⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP	See ¹⁸
23	Netserver LPR	Red Hat Linux 2.1 ES v2.4.9-e.24 ³ , ¹⁷	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP	
24	Proliant 6500 ⁸ , ¹³	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ¹ , ² , 3, v2.4.9-E.12 ¹ , ³ , v2.4.9-E.g ¹ , ³	Oracle 9i RAC 9.2.0.1.0 ⁴	RAC: 8	QLogic QLA2340-E-SP	
25	Proliant 6500 ⁸ , ¹³	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ¹ , ² , 3, v2.4.9-E.12 ¹ , ³ , v2.4.9-E.g ¹ , ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ⁴	RAC: 8	QLogic QLA2342-E-SP	
26	Proliant 6500 ⁸ , ¹³	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ⁴	RAC: 8	QLogic QLA2340-E-SP	See ¹⁸
27	Proliant 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ¹ , ² , ³	Oracle 9i RAC 9.2.0.1.0 ⁴	RAC: 8	QLogic QLA2342-E-SP ⁵	
28	Proliant 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ¹ , ² , ³	Oracle 9i RAC 9.2.0.1.0 ⁴ , ⁶	RAC: 8	QLogic QLA2340-E-SP ⁵ , ⁷	
29	Proliant 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ¹ , ³	Oracle 9i RAC 9.2.0.1.0 ⁴ , ⁶	RAC: 8	QLogic QLA2340-E-SP ⁷	
30	Proliant 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ³ , ⁹ , ¹⁰ , 11, 12	Oracle 9i RAC 9.2.0.1.0 ⁶	RAC: 8	QLogic: QLA2310F-E-SP ⁷ , QLA2340-E-SP ⁷	
31	Proliant 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.g ¹ , ³	Oracle 9i RAC 9.2.0.1.0 ⁴	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	
32	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ¹ , ² , 3, v2.4.9-E.12 ¹ , ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ⁴ , ⁶	RAC: 8	QLogic QLA2310F-E-SP ⁷	
33	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ¹ , ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ⁴ , ⁶	RAC: 8	QLogic QLA2342-E-SP ⁵ , ⁷	
34	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ¹ , ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ¹⁴ , ¹⁵ , ¹⁶	HA: 8	QLogic: QLA2310F-E-SP ⁷ , QLA2342-E-SP ⁵ , ⁷	
35	Proliant 8500	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ⁴ , ⁶	RAC: 8	QLogic QLA2340-E-SP ⁵ , ⁷	See ¹⁸
36	Proliant DL740	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ¹ , ³	Oracle 9i RAC 9.2.0.1.0 ⁴	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	
37	Proliant DL760 (G2)	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ³ , ¹⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ³ , ¹⁷ , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic: QLA2340-E-SP, QLA2342-E-SP	
38	Proliant: 6500 ⁸ , ¹³ , DL360 ⁸ , DL380 ⁸ , DL560, DL580 ⁸	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ¹ , ³	Veritas Cluster Server (VCS) 2.0 ¹⁴ , ¹⁵ , ¹⁶	HA: 8	QLogic QLA2340-E-SP	
39	Proliant: 6500 ⁸ , ¹³ , DL360 ⁸ , DL380 ⁸ , DL560, DL580 ⁸	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ¹ , ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ¹⁴ , ¹⁵ , ¹⁶	HA: 8	QLogic QLA2342-E-SP	
40	Proliant: 6500 ⁸ , ¹³ , DL360 ⁸ , DL380 ⁸ , DL560, DL580 ⁸	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ¹⁴ , ¹⁵ , ¹⁶	HA: 8	QLogic QLA2340-E-SP	See ¹⁸
41	Proliant: DL360 ⁸ , DL380 ⁸ , DL560, DL580 ⁸	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ¹ , ² , ³	Oracle 9i RAC 9.2.0.1.0 ⁴	RAC: 8	QLogic QLA2340-E-SP ⁵	
42	Proliant: DL360 ⁸ , DL380 ⁸ , DL560, DL580 ⁸	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ¹ , ² , 3, v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ⁴	RAC: 8	QLogic QLA2342-E-SP ⁵	
43	Proliant: DL360 ⁸ , DL380 ⁸ , DL560, DL580 ⁸	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ⁴	RAC: 8	QLogic QLA2340-E-SP ⁵	See ¹⁸

HPQ – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
44	Proliant: DL360 ⁸ , DL380 ⁸ , DL560, DL580 ⁸ , DL760 (G2), DL760 ⁸	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 3} , v2.4.9-E.9 ^{1, 3}	Oracle 9i RAC 9.2.0.1.0 ⁴	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	
45	Proliant: DL740, DL760 (G2), DL760 ⁸	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 3} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ⁴	RAC: 8	QLogic: QLA2340-E-SP ⁵ , QLA2342-E-SP ⁵	
46	Proliant: DL740, DL760 (G2), DL760 ⁸	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 3} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{14, 15, 16}	HA: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- OCFS (Oracle Cluster File System) is supported. Requires patch mount-2.11g-6i386.rpm (ocfs mount support).
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPO.
- Oracle Cluster File System v1.x supported with Linux v2.4.9-E9, E10, E12, E16, E24, E25.
- Driver v6.04.00 or above must be used with QLogic HBAs for direct attach configurations.
- Configuration information available on EMC PowerLink and Avatar: See the Case Study "Oracle 9i RAC on Linux Red Hat 7.1 and Red Hat 2.1 Advanced Server with CLARiiON Storage Arrays" in the EMC Networked Storage Topology Guide.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Watchdog Timer should be disabled in ocmargs.ora
- Supported with QLogic driver v6.04.02.
- OCFS (Oracle Cluster File System) is not supported.
- Supported with QLogic driver v6.05.00.
- Includes both Pentium PRO and XEON models
- GAB disks (membership and service group heartbeat disks) are not supported.
- When VxVM is used, EMC recommends VxVM 3.2 update 2, VxFS 3.4 update 1 and above.
- Review single attach VxVM notes for PowerPath and DMP restrictions.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- requires patch p2632931_9202_LINUX.zip (9.2.0.2 patch set).
- Requires patch p2646914_9202_LINUX.zip (Private Network Fix).
- PowerPath is not supported.

IBM

IBM – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	xSeries: X335, X342, x345, x360, x370, x440, x445	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{1, 2} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{1, 2} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP	See ³
2	xSeries: X335, X342, x345, x360, x370, x440, x445	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{1, 2} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{1, 2} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2342-E-SP	

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPO.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.

SuSE Linux Dell

Dell – SuSE Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	Emulex: LP9002-E (LP9002L-E) ^{5, 9} , LP9002DC-E ⁹ , LP9802-E ⁹ , LP9802DC-E ^{5, 6, 8, 9} , LP982-E ^{10, 11, 12, 13, 14} ; QLogic: QLA2310F-E-SP ^{4, 5, 6, 7} , QLA2340-E-SP, QLA2342-E-SP	

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPO.
- Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- Supports PowerPath v3.0.4 b12 only.
- Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- Driver v6.04.00 or above must be used with QLogic HBAs for direct attach configurations.
- PowerPath supported. ATF/CDE not supported.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- Single HBA zoning is required regardless of the switch being utilized.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.

Fujitsu Siemens

Fujitsu Siemens – SuSE Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, P200, P250, R450, RX100, T850	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1, 2}	Fujitsu Siemens PRIMECLUSTER 4.0a2		Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E	
2	Primergy: F250 ³ , H250 ³ , H450, N800, RX200, RX300, RX600, RX800, TX200, TX300, TX600	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1, 2}	Fujitsu Siemens PRIMECLUSTER 4.0a2		Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLogic QLA2200F-EMC	

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPO.
- Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- Must use standard PCI 32bit/33MHz slot for SCSI

HPQ

HPQ – SuSE Linux					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	Netscaler LC: 2000 U3, 2000R; Netscaler LH: 3, 3000, 4, 6000, III; Netscaler: LP 2000R, LPR, LT 6000R, LXR 8000, LXR 8500	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	QLogic: QLA2310F–E–SP ^{10, 11, 13, 15} , QLA2340–E–SP, QLA2342–E–SP
2	Proliant 5500 ^{14, 16}	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	Emulex LP9002–E (LP9002L–E)
3	Proliant 6400R ¹⁴	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	Emulex: LP9002–E (LP9002L–E), LP9802–E, LP9802DC–E, LP982–E; QLogic: QLA2310F–E–SP ¹⁰ , QLA2340–E–SP, QLA2342–E–SP
4	Proliant 8500	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	Emulex: LP9002–E (LP9002L–E) ^{4, 11} , LP9002DC–E ⁴ , LP9802–E ⁴ , LP9802DC–E ⁴ , 10, 11, 12, LP982–E ^{5, 6, 7, 8, 9} , QLogic: QLA2310F–E–SP ^{10, 11, 13} , QLA2340–E–SP, QLA2342–E–SP
5	Proliant: BL40p, DL360 ¹⁴ , DL380(G2) ¹⁴ , DL380(G3), DL380 ¹⁴ , DL560, DL580 ¹⁴ , DL740, DL760 (G2), DL760 ¹⁴	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	Emulex: LP9002–E (LP9002L–E) ⁴ , LP9002DC–E ⁴ , LP9802–E ⁴ , LP9802DC–E ⁴ , LP982–E ^{5, 6, 7, 8, 9} , QLogic: QLA2310F–E–SP ¹⁰ , QLA2340–E–SP, QLA2342–E–SP

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
- Supports PowerPath v3.0.4 b12 only.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- Single HBA zoning is required regardless of the switch being utilized.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from http://www.emulex.com.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- FC–AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- PowerPath supported. ATF/CDE not supported.
- Host must be offline for CLARiiON–licensed (Flare) upgrade and Storage Processor replacement.
- Compaq servers that are rack–mountable (designated by Compaq with an "R") are supported.
- Driver v6.04.00 or above must be used with QLogic HBAs for direct attach configurations.
- Includes both Pentium PRO and XEON models

IBM

IBM – SuSE Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	eServer BladeCenter HS20 (Model 8678) ^{10, 11}	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Microsoft MSCS ^{4, 5, 6, 7}	HA: 4	IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ^{12, 13} , Optical Pass–thru Module 02R9080 ^{8, 9}	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi–clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"
- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (http://www.microsoft.com/hwtest/hcl).
- EMC VolumeLogix Software required for multiple BladeServers when direct–attached to EMC Symmetrix storage.
- Dual–port FC switch module. Can be used in place of Optical PassThru Module (OPM.)
- Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.

Sun Solaris Sun

Sun – Sun Solaris					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	Netra 1280; Sun Fire: 12K ²² , 15K ²² , 280R, 3800, 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ¹⁰ , 250, 420R ¹⁰ , 450	Sun Solaris 8 ¹	Veritas DBED/AC for 9iRAC 3,5 ² , 3, 4, 5, 6, 7	RAC: 4 ^{8, 9}	Emulex LP8000–EMC ¹⁷
2	Netra 1280; Sun Fire: 12K ²² , 15K ²² , 280R, 3800, 4800, 6800, V1280, V240, V480, V880; Ultra: 220R ¹⁰ , 250, 420R ¹⁰ , 450	Sun Solaris 8 ¹	Veritas Cluster Server (VCS) 3,5 ¹³	HA: 8	Emulex LP8000–EMC ¹⁷
3	Netra 1280; Sun Fire: 15K, V1280, V240, V480, V880; Ultra: 220R ¹⁰ , 250, 420R ¹⁰ , 450	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, OPS: 4 ¹⁶ RAC: 4 ¹⁶	Emulex LP9002–E (LP9002L–E); QLogic QLA2200F–EMC
4	Netra 1280; Sun Fire: 280R, 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ¹⁰ , 250, 420R ¹⁰ , 450	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, OPS: 4, RAC: 4	Emulex: LP10000–E, LP10000DC–E, LP9002DC–E, LP9802–E; QLogic: QLA2340–E–SP, QLA2342–E–SP
5	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880; Ultra: 220R ¹⁰ , 250, 450	Sun Solaris: 8 ¹ , 9	Veritas Cluster Server (VCS) 3,5 ¹³	HA: 8	Emulex: LP10000–E, LP10000DC–E, LP9002–E (LP9002L–E), LP9002DC–E, LP9802–E; QLogic: QLA2200F–EMC, QLA2340–E–SP, QLA2342–E–SP
6	Netra 1280; Sun Fire: 4810, V1280, V240, V480, V880	Sun Solaris 9 12/02 ¹⁸	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, OPS: 2, RAC: 2	Emulex: LP10000–E, LP10000DC–E, LP8000–EMC ¹⁷ , LP9002–E (LP9002L–E), LP9002DC–E, LP9802–E; QLogic: QLA2200F–EMC, QLA2340–E–SP, QLA2342–E–SP

Sun – Sun Solaris					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
7	Netra 1280; Sun Fire: 4810, V1280, V240, V480, V880	Sun Solaris 9 12/02 ¹⁸	Sun Sun Cluster 3.1 ^{14, 21}	HA: 16, OPS: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹⁷ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
8	Netra 1280; Sun Fire: V1280, V240, V480, V880; Ultra: 220R ¹⁰ , 250, 420R ¹⁰ , 450	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{14, 20}	HA: 16, OPS: 4, RAC: 4	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
9	Netra 1280; Sun Fire: V1280, V240, V480, V880; Ultra: 220R ¹⁰ , 250, 450	Sun Solaris 8 ¹	Veritas Cluster Server (VCS) 2.0 ^{2, 19}	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹⁷ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
10	Netra 1280; Sun Fire: V1280, V240, V480, V880; Ultra: 220R ¹⁰ , 250, 450	Sun Solaris: 8 ¹ , 9	Veritas DBED/AC for 9iRAC 3.5 ^{2, 3, 4, 5, 6, 7}	RAC: 4 ^{8, 9}	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
11	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ¹⁰ , 250, 30, 420R ¹⁰ , 450	Sun Solaris 8	Legato Automated Availability Manager (LAAM) 5.0 (Base) ¹²	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9002DC-E
12	Sun Fire 12K	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, ¹⁶ OPS: 4 ¹⁶ RAC: 4 ¹⁶	Emulex LP9002-E (LP9002L-E); QLogic QLA2200F-EMC ¹¹
13	Sun Fire 12K	Sun Solaris 8 ¹	Veritas Cluster Server (VCS) 2.0 ^{2, 19}	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2200F-EMC ¹¹ , QLA2340-E-SP, QLA2342-E-SP
14	Sun Fire 12K	Sun Solaris: 8 ¹ , 9	Veritas Cluster Server (VCS) 3.5 ¹³	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2200F-EMC ¹¹ , QLA2340-E-SP, QLA2342-E-SP
15	Sun Fire 12K	Sun Solaris: 8 ¹ , 9	Veritas DBED/AC for 9iRAC 3.5 ^{2, 3, 4, 5, 6, 7}	RAC: 4 ^{8, 9}	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2200F-EMC ¹¹ , QLA2340-E-SP, QLA2342-E-SP
16	Sun Fire 15K	Sun Solaris 8	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, OPS: 4 ¹⁶ RAC: 4 ¹⁶	QLogic QLA2200F-EMC ¹¹
17	Sun Fire 15K	Sun Solaris 8 ¹	Veritas Cluster Server (VCS) 2.0 ^{2, 19}	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
18	Sun Fire 15K	Sun Solaris: 8 ¹ , 9	Veritas Cluster Server (VCS) 3.5 ¹³	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
19	Sun Fire 15K	Sun Solaris: 8 ¹ , 9	Veritas DBED/AC for 9iRAC 3.5 ^{2, 3, 4, 5, 6, 7}	RAC: 4 ^{8, 9}	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
20	Sun Fire 280R	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, OPS: 4 ¹⁶ RAC: 4 ¹⁶	Emulex LP9002-E (LP9002L-E)
21	Sun Fire 280R	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{14, 20}	HA: 16, OPS: 4, RAC: 4	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP
22	Sun Fire 280R	Sun Solaris 8 ¹	Veritas Cluster Server (VCS) 2.0 ^{2, 19}	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹⁷ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP
23	Sun Fire 280R	Sun Solaris: 8 ¹ , 9	Veritas DBED/AC for 9iRAC 3.5 ^{2, 3, 4, 5, 6, 7}	RAC: 4 ^{8, 9}	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP
24	Sun Fire 3800	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, OPS: 4 ¹⁶ RAC: 4 ¹⁶	Emulex LP9002C-E; QLogic QCP2202F-E ¹¹
25	Sun Fire 3800	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{14, 20}	HA: 16, OPS: 4, RAC: 4	Emulex LP9002C-E; QLogic QCP2202F-E ¹¹
26	Sun Fire 3800	Sun Solaris 8 ¹	Veritas Cluster Server (VCS) 2.0 ^{2, 19}	HA: 8	Emulex: LP8000-EMC ¹⁷ , LP9002C-E; QLogic QCP2202F-E ¹¹
27	Sun Fire 3800	Sun Solaris 9 12/02 ¹⁸	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, OPS: 2, RAC: 2	Emulex LP9002C-E; QLogic QCP2202F-E
28	Sun Fire 3800	Sun Solaris 9 12/02 ¹⁸	Sun Sun Cluster 3.1 ^{14, 21}	HA: 16, OPS: 2, RAC: 2	Emulex LP9002C-E; QLogic QCP2202F-E
29	Sun Fire 3800	Sun Solaris: 8 ¹ , 9	Veritas Cluster Server (VCS) 3.5 ¹³	HA: 8	Emulex LP9002C-E; QLogic QCP2202F-E ¹¹
30	Sun Fire 3800	Sun Solaris: 8 ¹ , 9	Veritas DBED/AC for 9iRAC 3.5 ^{2, 3, 4, 5, 6, 7}	RAC: 4 ^{8, 9}	Emulex LP9002C-E; QLogic QCP2202F-E ¹¹
31	Sun Fire 4810	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, OPS: 4 ¹⁶ RAC: 4 ¹⁶	Emulex: LP9002-E (LP9002L-E), LP9002C-E; QLogic QLA2200F-EMC
32	Sun Fire 4810	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{14, 20}	HA: 16, OPS: 4, RAC: 4	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
33	Sun Fire 4810	Sun Solaris 8 ¹	Veritas Cluster Server (VCS) 2.0 ^{2, 19}	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹⁷ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP

Sun – Sun Solaris					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
34	Sun Fire 4810	Sun Solaris 8 ¹	Veritas Cluster Server (VCS) 3.5 ¹³	HA: 8	Emulex: LP8000-EMC ¹⁷ , LP9002C-E
35	Sun Fire 4810	Sun Solaris: 8 ¹ , 9	Veritas DBED/AC for 9iRAC 3.5 ^{2, 3, 4, 5, 6, 7}	RAC: 4 8, 9	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
36	Sun Fire: 12K, 15K	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, OPS: 4, RAC: 4	Emulex: LP10000-E, LP10000DC-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP
37	Sun Fire: 12K, 15K	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{14, 20}	HA: 16, OPS: 4, RAC: 4	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2200F-EMC ¹¹ , QLA2340-E-SP, QLA2342-E-SP
38	Sun Fire: 12K, 15K	Sun Solaris 9 12/02 ¹⁸	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, OPS: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
39	Sun Fire: 12K, 15K	Sun Solaris 9 12/02 ¹⁸	Sun Sun Cluster 3.1 ^{14, 21}	HA: 16, OPS: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
40	Sun Fire: 12K ²² , 15K ²²	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, OPS: 4, RAC: 4	Emulex LP9002DC-E
41	Sun Fire: 12K ²² , 15K ²²	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{14, 20}	HA: 16, OPS: 4, RAC: 4	Emulex LP9002DC-E
42	Sun Fire: 12K ²² , 15K ²²	Sun Solaris 8 ¹	Veritas Cluster Server (VCS) 2.0 ^{2, 19}	HA: 8	Emulex: LP8000-EMC ¹⁷ , LP9002DC-E
43	Sun Fire: 12K ²² , 15K ²²	Sun Solaris 9 12/02 ¹⁸	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, OPS: 2, RAC: 2	Emulex LP9002DC-E
44	Sun Fire: 12K ²² , 15K ²²	Sun Solaris 9 12/02 ¹⁸	Sun Sun Cluster 3.1 ^{14, 21}	HA: 16, OPS: 2, RAC: 2	Emulex LP9002DC-E
45	Sun Fire: 12K ²² , 15K ²²	Sun Solaris: 8 ¹ , 9	Veritas Cluster Server (VCS) 3.5 ¹³	HA: 8	Emulex LP9002DC-E
46	Sun Fire: 12K ²² , 15K ²²	Sun Solaris: 8 ¹ , 9	Veritas DBED/AC for 9iRAC 3.5 ^{2, 3, 4, 5, 6, 7}	RAC: 4 8, 9	Emulex LP9002DC-E
47	Sun Fire: 4800, 6800	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, OPS: 4 16 RAC: 4 16	Emulex: LP9002-E (LP9002L-E), LP9002C-E; QLogic: QCP2202F-E, QLA2200F-EMC
48	Sun Fire: 4800, 6800	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{14, 20}	HA: 16, OPS: 4, RAC: 4	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic: QCP2202F-E, QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
49	Sun Fire: 4800, 6800	Sun Solaris 8 ¹	Veritas Cluster Server (VCS) 2.0 ^{2, 19}	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹⁷ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic: QCP2202F-E, QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
50	Sun Fire: 4800, 6800	Sun Solaris 9 12/02 ¹⁸	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, OPS: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹⁷ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic: QCP2202F-E, QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
51	Sun Fire: 4800, 6800	Sun Solaris 9 12/02 ¹⁸	Sun Sun Cluster 3.1 ^{14, 21}	HA: 16, OPS: 2, RAC: 2	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹⁷ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic: QCP2202F-E, QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
52	Sun Fire: 4800, 6800	Sun Solaris: 8 ¹ , 9	Veritas Cluster Server (VCS) 3.5 ¹³	HA: 8	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic: QCP2202F-E, QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
53	Sun Fire: 4800, 6800	Sun Solaris: 8 ¹ , 9	Veritas DBED/AC for 9iRAC 3.5 ^{2, 3, 4, 5, 6, 7}	RAC: 4 8, 9	Emulex: LP10000-E, LP10000DC-E, LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic: QCP2202F-E, QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP
54	Ultra 420R ¹⁰	Sun Solaris 8 ¹	Veritas Cluster Server (VCS) 2.0 ^{2, 19}	HA: 8	Emulex: LP8000-EMC ¹⁷ , LP9002-E (LP9002L-E); QLogic: QLA2200F-EMC
55	Ultra 420R ¹⁰	Sun Solaris: 8 ¹ , 9	Veritas Cluster Server (VCS) 3.5 ¹³	HA: 8	Emulex LP9002-E (LP9002L-E); QLogic: QLA2200F-EMC
56	Ultra 420R ¹⁰	Sun Solaris: 8 ¹ , 9	Veritas DBED/AC for 9iRAC 3.5 ^{2, 3, 4, 5, 6, 7}	RAC: 4 8, 9	Emulex LP9002-E (LP9002L-E); QLogic: QLA2200F-EMC
57	Ultra Enterprise 10000	Sun Solaris 8	Legato Automated Availability Manager (LAAM) 5.0 (Base) ¹²	HA: 8	Emulex LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic: QLA2202FS-E
58	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 8 Update 6	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, OPS: 4 16 RAC: 4 16	Emulex LP9002S-E; JNI: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic: QLA2202FS-E
59	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 8 Update 7	Sun Sun Cluster 3.1 ^{14, 20}	HA: 16, OPS: 4, RAC: 4	Emulex LP9002S-E; JNI: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic: QLA2202FS-E

Sun – Sun Solaris					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
60	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 8 ¹	Veritas Cluster Server (VCS) 2.0 ^{2, 19}	HA: 8	Emulex LP8000-EMC ¹⁷ , LP9002S-E; JNI: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic QLA2202FS-E
61	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 8 ¹	Veritas Cluster Server (VCS) 3.5 ¹³	HA: 8	Emulex LP8000-EMC ¹⁷ ; JNI FC64-1063-EMC
62	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 8 ¹	Veritas DBED/AC for 9iRAC 3.5 ^{2, 3, 4, 5, 6, 7}	RAC: 4 ^{8, 9}	Emulex LP8000-EMC ¹⁷ ; JNI FC64-1063-EMC
63	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 9 12/02 ¹⁸	Sun Sun Cluster 3.0 Update 3 ^{14, 15}	HA: 8, OPS: 2, RAC: 2	Emulex LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic QLA2202FS-E
64	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 9 12/02 ¹⁸	Sun Sun Cluster 3.1 ^{14, 21}	HA: 16, OPS: 2, RAC: 2	Emulex LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic QLA2202FS-E
65	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris: 8 ¹ , 9	Veritas Cluster Server (VCS) 3.5 ¹³	HA: 8	Emulex LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic QLA2202FS-E
66	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris: 8 ¹ , 9	Veritas DBED/AC for 9iRAC 3.5 ^{2, 3, 4, 5, 6, 7}	RAC: 4 ^{8, 9}	Emulex LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic QLA2202FS-E
67	Ultra Enterprise: 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris 8	Legato Automated Availability Manager (LAAM) 5.0 (Base) ¹²	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9002DC-E, LP9002S-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E; QLogic QLA2202FS-E
68	Ultra: 60, 80	Sun Solaris 8	Legato Automated Availability Manager (LAAM) 5.0 (Base) ¹²	HA: 8	Emulex LP9002-E (LP9002L-E)

- Update 6.
- GAB disks (membership and service group heartbeat disks) are not supported.
- For configurations with PowerPath 3.0.1 use native names only, and no power devices.
- Symmetrix SCSI-3 "PER" volume flag setting required for devices accessible through two or more paths.
- If all FC connectivity to the array is lost (without a server shutdown), then after connectivity is restored, the user must execute a vxctl enable command, before the VCS Oracle 9iRAC service group is brought back online.
- Requires minimum microcode level of 5669.45.24 for support of TimeFinder and/or SRDF.
- Requires Symmetrix 8000 Series, PowerPath 3.0.4 or later, VxVM 3.5 or later or Solstice Disk Suite (SDS) 4.2.1. Supported with Microcode 5568.52.18. 5567 code revisions supported are 5567.46.24 or 5567.53.30. 5567.53.30 requires the PGR Phase 4 E-pack. Symmetrix "PER" volume flag for Persistent Reservation support for devices accessible through more than two paths.
- Review VERITAS Database Edition/Advanced Cluster 3.5 for Oracle9i RAC Release Notes for supported Oracle Database releases.
- Veritas MP2 is required for clusters with more than 2 servers**
- 64-bit HBAs will not fit into the 32-bit slot due to a physical obstruction.
- Fcode should be loaded on all HBA's at the time of installation. All drivers and fcode can be downloaded from <http://www.qlogic.com>. Supports SNIA HBA API.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.
- For configurations with PowerPath 3.0.1 (or above) use native names only, and no power devices.
- For all Sun Cluster 3.x configurations where TimeFinder or SRDF are being used, please refer to the white papers EMC Symmetrix with Sun Cluster 3.x on Avatar and PowerLink.
- Requires Symmetrix DMX series, ucode revision 5669.44.23. PowerPath 3.0.4 or later or 5670.24.25 and PowerPath 4.0.3, VxVM 3.2 or Solstice Disk Suite (SDS) 4.2.1 or Solaris Volume Manager (SVM). Symmetrix "PER" volume flag for Persistent Reservation support for devices accessible through more than two paths.
- OPS and RAC configurations running VxVM 3.2 VxVM 3.2 P03.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Requires Sun patch 113277-09.
- Review single attach VxVM notes for PowerPath and DMP coexistence rules and restrictions.
- Requires Symmetrix DMX series, ucode revision 5669.45.24. PowerPath 3.0.4 minimum or 5670.24.25 and PowerPath 4.0.3, VxVM 3.5 or later, or Solstice Disk Suite (SDS) 4.2.1. Symmetrix "PER" volume flag for Persistent Reservation support for devices accessible through more than two paths.
- Requires Symmetrix DMX series, ucode revision 5669.45.24. PowerPath 3.0.4 minimum or 5670.24.25 and PowerPath 4.0.3. VxVM 3.2 or 3.5 or Solaris Volume Manager (SVM), Symmetrix "PER" volume flag for Persistent Reservation support for devices accessible through more than two paths.
- Use of the LP9002DC or QLA2342 requires FCO A0218-1 from Sun for HBA's to operate in 66mhz mode. Without this FCO the HBA's will only come up in 33mhz mode which could have an impact on performance.**

Fibre Connectivity: Switch

Fanout represents the maximum initiators (host adapters) per array port. Fanin represents the number of array ports visible to a single initiator (host adapter). In arbitrated loop environments, these numbers represent the maximum initiators per loop. In switch environments, these numbers are achieved through Zoning. For further details on Fanin/Fanout, see the Connectrix Enterprise Storage Network Planning Guide, EMC Networked Storage Topology Guide, and CLARiiON Open Systems Configuration Guide. For Switch Firmware levels and other fabric parameters, see Switched Fabric Topology parameters.

DG DG/UX

DG DG/UX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	DG DG/UX R4.20MU07	Emulex LP8000-F1	Brocade Silkworm: 2400, 2800, 6400; EMC Connectrix: DS-16B ² , DS-16B ¹ , DS-8B	6	28	512	256	N

- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

EMC NAS

EMC NAS									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
1	EMC NAS: 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC: 201-712-900, 250-734-902, 250-735-900, 250-736-900	Brocade Silkworm: 2400, 2800, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁶ , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; Fujitsu Siemens PSFS-B161; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	6	28	512	4096 ³	N ²	See ¹

- For the DMX1000 and DMX2000, the only supported board in this configuration is the DMX-FC8M02. For the DMX800, the only supported boards are the DMX-FE-8M02 and DMX-FE-4M02.
- "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA): 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port. 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/ Fanin of 12:1/1:12 and Netware using the QLA2200F, which has a Fanout/Fanin of 6: 1/1:6. The Fanout/Fanin is restricted to 6:1/1:6. 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information. 4. Reference the Heterogeneous FA Port Sharing section of Director Bit Information. 5. Microcode level 5x66 and above.
- Addressable from Data Mover. Constrained by the number of targets addressable through a Symmetrix FA port.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License" , use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

Fujitsu Siemens BS2000/OSD

Fujitsu Siemens BS2000/OSD									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	
1	Fujitsu Siemens BS2000/OSD V5.0	Fujitsu Siemens: GS214FC05, GS216FC05, GS8551C05, GS8951C05	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 6400; EMC Connectrix: DS-16B2 ³ , DS-16B ² , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ¹ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	4	28	512	256	N	

- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License" , use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

Fujitsu Siemens OSD/XC

Fujitsu Siemens OSD/XC									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	
1	Fujitsu Siemens OSD/XC: V1.0, V1.1	Fujitsu Siemens: GP70F-CF10 (Emulex LP8000-F1), GP70F-CF30 (Emulex LP9002L-F2), GP70F-CF31 (Emulex LP9802-F3) ⁴	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ³ , DS-16B ¹ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ² , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ² , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	28	512	256	Y	

- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License" , use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- Requires firmware 1.01a2 or higher with driver 5.02c

Fujitsu Siemens Solaris

Fujitsu Siemens Solaris									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	
1	Fujitsu Siemens Solaris 8: 02/02, 850/650; Fujitsu Siemens Solaris 9 04/03	Fujitsu Siemens: LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{1, 2} , LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; EMC Connectrix: DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	28	512	256 ³	Y	

Fujitsu Siemens Solaris								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
2	Fujitsu Siemens Solaris: 2.6 May 98, 7 Nov 99	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{1, 2} , LP9002-E (LP9002L-E) GP70F-CF30	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; EMC Connectrix: DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2, 5} , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	28	512	256 ³	Y
3	Fujitsu Siemens Solaris: 2.6 May 98, 7 Nov 99, 8 02/02, 8 850/650, 9 04/03	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X)	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; EMC Connectrix: DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2, 5} , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	28	512	128 Sol 6, 256 Sol 7, 8, 9 ⁹	Y
4	Fujitsu Siemens Solaris: 8 850/650, 9 04/03	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X) ^{1, 2}	EMC Connectrix DS-32B ^{2, 5}	12	28	512	128(Sol 2.6), 256(Sol 7.8) ⁹	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
3. The Sun Solaris sd driver is unable to configure a lun addresses greater than 255.
4. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
5. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.

HPQ HP-UX

HPQ HP-UX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	HPQ HP-UX 11.0 Dec 2002 ⁹	HPQ A5158A	Cisco MDS 9509 ³⁵	12	28	512	320 ³⁷ , 512 ¹⁹	Y
2	HPQ HP-UX 11.0 Dec 2002 ⁹	HPQ A6684A	Cisco MDS 9216 ^{35, 38}	12	28	512	512	Y
3	HPQ HP-UX 11.0 Dec 2002 ⁹	HPQ A6795A ^{12, 33}	Cisco MDS 9216	12	28	512	320 ²⁰ , 512 ^{18, 19}	Y ¹⁷
4	HPQ HP-UX 11.0 March 2003 ⁹	HPQ A6685A	Cisco MDS: 9216 ³⁸ , 9509 ³⁵	12	28	512	512	Y
5	HPQ HP-UX 11.0 March 2003 ⁹	HPQ A6795A ¹²	Cisco MDS 9216 ³⁵	12	28	512	512	Y
6	HPQ HP-UX 11.0 March 2003 ⁹	HPQ: A5158A, A6684A	Cisco MDS 9509 ³⁵	12	28	512	512	Y
7	HPQ HP-UX 11.0 Sept 2001 ^{1, 2, 3, 4, 5, 6, 7, 8, 9}	HPQ A6795A ^{10, 11, 12, 36}	Cisco MDS 9509 ³⁵	12	28	512	320 ²⁰ , 512 ^{18, 19}	Y ¹⁷
8	HPQ HP-UX 11.0 Sept 2001 ⁹	HPQ A5158A	Cisco MDS 9216 ³⁵	12	28	512	512	Y
9	HPQ HP-UX 11.0 Sept 2001 ⁹	HPQ A6795A ^{12, 36}	Cisco MDS 9509 ³⁵	12	28	512	512	Y
10	HPQ HP-UX 11.0 ^{1, 2, 3, 4, 5, 6, 7, 8, 9}	HPQ: A5158A ¹¹ , A6684A ¹¹ , A6685A ¹¹ , A6795A ^{11, 12}	EMC Connectrix DS-8B ^{2, 3, 14, 15, 16}	12	28	512	320 ²⁰ , 512 ¹⁹	Y ¹⁷
11	HPQ HP-UX 11.0 ^{1, 2, 3, 4, 5, 6, 7, 8, 9}	HPQ: A5158A ^{10, 11} , A6684A ^{10, 11} , A6685A ^{10, 11} , A6795A ^{10, 11, 12}	Brocade Silkworm: 12000 ^{14, 16, 22, 23} , 2400 ^{14, 15, 16, 21} , 2800 ^{14, 15, 16, 21} , 3200 ^{13, 14, 15, 16} , 3800 ^{13, 14, 15, 16} , 3900 ^{14, 16, 22} ; EMC Connectrix: DS-16B ^{2, 3, 14, 15, 16, 26, 27} , DS-16B ^{14, 15, 16, 21, 24, 25} , DS-16M ^{2, 14, 16, 28} , DS-16M ^{14, 16, 28} , DS-24M ^{2, 14, 16, 28} , DS-32B ^{2, 14, 16, 22, 29} , DS-32M ^{2, 14, 16, 28} , DS-32M ^{14, 16, 28} , DS-8B ^{14, 15, 16, 21} , ED-1032 ^{14, 16, 28} , ED-12000B ^{14, 16, 22, 29} , ED-140M ^{14, 16, 28} , ED-64M ^{14, 16, 28} ; McDATA: ED-5000 ^{14, 16, 28} , ED-6064 ^{14, 16, 28} , ED-6140 ^{14, 16, 28} , ES-3016 ^{14, 16, 28} , ES-3032 ^{14, 16, 28} , ES-3216 ^{14, 16, 28} , ES-3232 ^{14, 16, 28}	12	28	512	320 ²⁰ , 512 ^{18, 19}	Y ¹⁷
12	HPQ HP-UX 11i v1.0 (HP-UX 11.1) Dec 2002 ⁹	HPQ: A5158A, A6795A ¹²	Cisco MDS: 9216 ³⁵ , 9509 ³⁵	12	28	512	512	Y
13	HPQ HP-UX 11i v1.0 (HP-UX 11.1) Dec 2002 ⁹	HPQ: A6684A, A6685A	Cisco MDS 9509 ³⁵	12	28	512	512	Y
14	HPQ HP-UX 11i v1.0 (HP-UX 11.1) March 2002 ⁹	HPQ A6685A	Cisco MDS 9216	12	28	512	512	Y
15	HPQ HP-UX 11i v1.0 (HP-UX 11.1) March 2003 ⁹	HPQ A6684A	Cisco MDS 9216 ³⁵	12	28	512	512	Y
16	HPQ HP-UX 11i v1.0 (HP-UX 11.1) March 2003 ⁹	HPQ A6795A ^{12, 34}	Cisco MDS: 9216 ³⁵ , 9509 ³⁵	12	28	512	512 ¹⁸	Y

HPQ HP-UX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
17	HPQ HP-UX 11i v1.0 (HP-UX 11.1.1) March 2003 ^{9, 40}	HPQ: A6826A ³⁹ , A9782A ³⁹	EMC Connectrix: DS-16B2 ^{26, 27} , DS-16B2 ^{24, 25} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ²⁹ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ²⁹ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	28	512	512	Y
18	HPQ HP-UX 11i v1.0 (HP-UX 11.1.1) 2, 3, 4, 5, 6, 9, 30, 31, 32	HPQ A6795A ^{10, 11, 12}	Brocade SilkWorm: 1200 ^{14, 16, 22} , 2400 ^{14, 15, 16, 21} , 2800 ^{14, 15, 16, 21} , 3200 ^{13, 14, 15, 16} , 3800 ^{13, 14, 15, 16} , 3900 ^{14, 16, 22} ; Cisco MDS 9509 ³⁵ : EMC Connectrix: DS-16B2 ^{13, 14, 15, 16, 26, 27} , DS-16B ^{14, 15, 16, 21, 24, 25} , DS-16M2 ^{14, 16, 28} , DS-16M ^{14, 16, 28} , DS-24M2 ^{14, 16, 28} , DS-32B2 ^{14, 16, 22, 29} , DS-32M2 ^{14, 16, 28} , DS-32M ^{14, 16, 28} , DS-8B ^{14, 15, 16, 21} , ED-1032 ^{14, 16, 28} , ED-12000B ^{14, 16, 22, 29} , ED-140M ^{14, 16, 28} , ED-64M ^{14, 16, 28} ; McDATA: ED-5000 ^{14, 16, 28} , ED-6064 ^{14, 16, 28} , ED-6140 ^{14, 16, 28} , ES-3016 ^{14, 16, 28} , ES-3032 ^{14, 16, 28} , ES-3216 ^{14, 16, 28} , ES-3232 ^{14, 16, 28}	12	28	512	320 ²⁰ 512 ^{18, 19}	Y ¹⁷
19	HPQ HP-UX 11i v1.0 (HP-UX 11.1.1) 2, 3, 4, 5, 6, 9, 30, 31, 32	HPQ: A5158A ^{10, 11} , A6684A ^{10, 11} , A6685A ^{10, 11}	Brocade SilkWorm: 1200 ^{14, 16, 22} , 2400 ^{14, 15, 16, 21} , 2800 ^{14, 15, 16, 21} , 3200 ^{13, 14, 15, 16} , 3800 ^{13, 14, 15, 16} , 3900 ^{14, 16, 22} ; EMC Connectrix: DS-16B2 ^{13, 14, 15, 16, 26, 27} , DS-16B ^{14, 15, 16, 21, 24, 25} , DS-16M2 ^{14, 16, 28} , DS-16M ^{14, 16, 28} , DS-24M2 ^{14, 16, 28} , DS-32B2 ^{14, 16, 22, 29} , DS-32M2 ^{14, 16, 28} , DS-32M ^{14, 16, 28} , DS-8B ^{14, 15, 16, 21} , ED-1032 ^{14, 16, 28} , ED-12000B ^{14, 16, 22, 29} , ED-140M ^{14, 16, 28} , ED-64M ^{14, 16, 28} ; McDATA: ED-5000 ^{14, 16, 28} , ED-6064 ^{14, 16, 28} , ED-6140 ^{14, 16, 28} , ES-3016 ^{14, 16, 28} , ES-3032 ^{14, 16, 28} , ES-3216 ^{14, 16, 28} , ES-3232 ^{14, 16, 28}	12	28	512	320 ²⁰ 512 ^{18, 19}	Y ¹⁷
20	HPQ HP-UX 11i v1.0 (HP-UX 11.1.1) 2, 3, 4, 5, 6, 9, 30, 31, 32	HPQ: A5158A ¹⁰ , A6684A ¹⁰ , A6685A ¹⁰ , A6795A ^{10, 12}	EMC Connectrix DS-8B2 ^{13, 14, 15, 16}	12	28	512	512 ¹⁸	Y ¹⁷

- HP-UX Tachyon TL Fibre Channel Driver patch PHSS_26798 required
- Maximum of two hops between any two nodes belonging to the same Service Guard Cluster
- Boot device can not be located more than two hops from initiator utilized for booting
- Execute "ioscan -fn" following zone configuration changes on all affected servers in order for the changes to be recognized by the servers.
- The Powerpath path must be removed from the Powerpath configuration for all paths deleted from a zone configuration utilizing non-hardware enforced WWN zoning in order to prevent accessibility to the paths deleted from the zone configuration.
- Initiators from servers running HP-UX 11.0 and initiators from servers running HP-UX 11i v1.0 (HP-UX 11.11) may share the same FA port.
- Maximum LUNs per server 4096
- Maximum devices per server 2048
- For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/ivol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
- Minimum driver revision for HP-UX 11i v1.0 (HP-UX 11.11) is PCI/HSC Fibre Channel Driver B.11.11.09.
- Minimum driver revision for HP-UX 11.0 is PCI/HSC Fibre Channel Driver B.11.00.10.
- As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)

L2000 (product number A5191A)

N4000 Revision A (product number A3639A)

N4000 Revision B (product number A3639B)

- minimum firmware revision v3.0.2m or later EMC qualified firmware revision
- Domain value 8 can not be utilized when attaching HP-UX initiators (hba's)
- The switch port a hba is attached to which is utilized for HP-UX boot or dump processes must be configured for G_port lock.
- Single initiator zoning recommended.
- HP-UX initiators currently support only Volume Set Addressing method, Volume Logix required to set Volume Set Addressing for HP-UX initiators if port sharing configured with non-HP-UX initiators
- Maximum of 512 visible LUNs per hba supported with HP-UX 11i v1.0 (HP-UX 11.11) HA and non-HA configurations
- Maximum of 512 visible LUNs supported with HP-UX 11.0 non-HA configurations
- Maximum of 320 visible LUNs per hba supported with HP-UX 11.0 HA configurations
- minimum firmware revision v2.6.0d or later EMC qualified firmware revision
- minimum firmware revision v4.0.2a or later EMC qualified firmware revision
- Boot support Minimum fw.v4.0.2a
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- Switch support can be QuickLoop dedicated to any HP hosts in table titled "Clarion CX600/CX400 Base Connectivity" or heterogeneous fabric with HP FC-SW (fabric) hosts in that table. For FC4700, one port on each SP may be used for QuickLoop when the other port is used for FC-SW. QuickLoop support requires chargeable model DSBQLP-0D.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- QuickLoop is not supported with Brocade 3900/12000 or ED-12000B.
- minimum firmware revision 04.01.00 or later EMC qualified firmware revision
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- HP-UX Tachyon TL Fibre Channel Driver patch PHSS_26799 required
- Maximum devices per server 4096
- Maximum LUNs per server 8192
- Supported server models: rp7400 PDC 42.06
- Supported server model: rp7400 PDC 43.08
- During initial switch configuration with fw 1.2 or earlier, in an HP-UX environment, the Persistent FC IDs must be enabled on the Vsan that contains any HP HBAs. The N_Port Area IDs must be manually configured to be unique, static, and persistent on the Vsan that contains any HP HBAs, the target storage array's N_Port ID must also be set to persistent and static. See MDS 9000 Family Configuration Guide for details.
- Minimum PDC for server model rp7400, PDC 42.06
- Maximum of 320 visible LUNs per hba supported with HP-UX 11.0 HA configurations.
- During initial switch configuration with firmware 1.2 or earlier, in an HP-UX environment, the Persistent FC IDs must be enabled on the Vsan that contains any HP HBAs. The N_Port Area IDs must be manually configured to be unique, static, and persistent on the Vsan that contains any HP HBAs. The target storage array's N_Port ID must also be set to persistent and static. See MDS9000 Family Configuration Guide for details.
- Required Patch PHKL_28569, PHKL_26938 and 2port 2Gig driver version 11.11.01.
- See HBA for min Driver version

HPQ Open VMS

HPQ Open VMS								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	HPQ Open VMS V7.2-2 ¹ , 4	HPQ: FCA2354 (LP9002), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	Brocade Silkworm: 12000, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-32B2 ³ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ³ , ED-140M, ED-64M	12	28	512	255	N
2	HPQ Open VMS: V7.3-1 ¹ , V7.3 ^{1,2}	HPQ: FCA2354 (LP9002), KGPSA-DA (261329-B21)	Brocade Silkworm: 12000, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-32B2 ³ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ³ , ED-140M, ED-64M	12	28	512	255	N
3	HPQ Open VMS: V7.3-1 ¹ , V7.3 ^{1,2}	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	Brocade Silkworm: 12000, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{5,6} , DS-16M2 ⁵ , DS-16M ⁵ , DS-32B2 ³ , DS-32M2 ⁵ , DS-32M ⁵ , DS-8B2, DS-8B ⁵ , ED-1032 ⁵ , ED-12000B ^{3,5} , ED-140M, ED-64M ⁵	12	28	512	255	N

- Open VMS is supported as of April 17, 2000, and requires a minimum Symmetrix microcode level of 5265.48.30, 5266.23.19s, or 5566.26.19s.
- Open VMS 7.3 FC-SW requires console firmware 5.6 or later and patch VMS73_update-V0100 or patch VMS73_fibre_SCSI-V0200.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- Open VMS 7.2-2 FC-SW requires console firmware 5.6 or later and patch VMS722_fibre_SCSI-V0100.
- The 200-561-9XX, and 200-563-9XX FA director families support a total of 256 LUNs per FA port. (Hewlett Packard Alpha Tru64 supports 255 LUNs.)
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

HPQ Tru64 UNIX

HPQ Tru64 UNIX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	HPQ Tru64 UNIX V5.1 ^{1,2}	HPQ: FCA2354 (LP9002), KGPSA-DA (261329-B21)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁸ , DS-16B ⁷ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	8	28	512	512 ²	√ ³
2	HPQ Tru64 UNIX: V4.0F ⁹ , V4.0G ¹²	HPQ KGPSA-CA (168794-B21)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; EMC Connectrix: DS-16B2 ⁸ , DS-16B ⁷ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	6	28	512	48 ¹¹	√ ¹⁰
3	HPQ Tru64 UNIX: V4.0F ⁹ , V4.0G ¹²	HPQ KGPSA-CA (168794-B21)	Cisco MDS: 9216, 9509	8	28	512	255 ²	√ ³
4	HPQ Tru64 UNIX: V5.1A ^{2,5} , V5.1B ² , 6	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-DA (261329-B21)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁸ , DS-16B ⁷ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	8	28	512	512 ²	√ ³
5	HPQ Tru64 UNIX: V5.1A ^{2,5} , V5.1B ² , 6, V5.1 ^{1,2}	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁸ , DS-16B ⁷ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	8	28	512	255 ²	√ ³

- Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).
- V5.x: 255 LUNs/Symmetrix Fibre director port (LUNs 000-0FE valid) on Symmetrix DMX Series, requires OVMS director bit setting, LUN 000 must be mapped to a Symmetrix device, the LUN 000 device can be used as a normal disk device by the Tru64 host.
- Requires the Heterogeneous Host Configuration feature in EMC Solutions Enabler SYMCLI Device Masking Component Version 5.x
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).
- Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- Tru64 V4.0F BL13 Patch Kit 2 may introduce problems with KZPBA adapters. Tru64 V4.0F latest qualified Patch Kit 8 (DUV40FB22AS0008-20030730).
- If sharing port with Tru64 UNIX V5 hosts, use the Heterogeneous Host Configuration feature in EMC Solutions Enabler SYMCLI Device Masking Component V5.x (minimum 5568 microcode), or use Tru64 UNIX V5 director bit settings (with OVMS director bit set, the resulting LUN 000 array controller device will not be usable as a disk device by the Tru64 hosts).
- V4.0F, V4.0G: 8 LUNs/Symmetrix Fibre director port (LUNs 000-007 valid).
- Tru64 V4.0G latest qualified Patch Kit 4 (T64V40GB22AS0004-20030731).
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

IBM AIX

IBM AIX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	IBM AIX 4.3.3	IBM: 6227, 6228	Brocade Silkworm: 3200, 3800; EMC Connectrix DS-16B2 ⁶	12	28	512	512	Y
2	IBM AIX 4.3.3	IBM: 6227, 6228	EMC Connectrix: DS-8B2 ² , ED-140M	10	28	512	512	Y
3	IBM AIX 4.3.3	IBM: 6227 ¹ , 6228 ¹	Brocade Silkworm: 12000 ² , 2400 ² , 2800 ² , 3900 ² , 6400 ² ; EMC Connectrix: DS-16B2 ⁴ , DS-16M2 ² , DS-16M2, DS-24M2 ² , DS-32M2 ² , DS-32M2, DS-8B2 ² , DS-8B2, ED-1032 ² , ED-12000B2 ⁷ , ED-64M ² ; IBM: 2032-001 ² , 3, 2109 ² , 6064 ² ; McDATA: ED-5000 ² , ED-6064 ² , ES-3016 ² , ES-3032 ² , ES-3216 ² , ES-3232 ² , ES-4500 ²	12	28	512	512	Y
4	IBM AIX 4.3.3	IBM: 6227 ¹ , 6228 ¹	EMC Connectrix: DS-32B2 ⁷ , DS-8B2 ²	10, 12	28	512	512	Y
5	IBM AIX 5.1	IBM: 6227, 6228, 6239	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁶ , DS-16B4, DS-16M, DS-16M2, DS-24M2, DS-32M2, DS-32M2, DS-8B, DS-8B2 ² , ED-1032, ED-12000B7, ED-64M; IBM: 2032-001 ³ , 2109 ⁵ , 6064; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	28	512	512	Y
6	IBM AIX 5.1	IBM: 6227, 6228, 6239	EMC Connectrix: DS-32B2 ⁷ , DS-8B2 ²	10, 12	28	512	512	Y
7	IBM AIX 5.2	IBM: 6227, 6228	EMC Connectrix: DS-32B2 ⁷ , DS-8B2 ²	10, 12	28	512	512	Y
8	IBM AIX 5.2	IBM: 6227, 6228, 6239	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁶ , DS-16B4, DS-16M, DS-16M2, DS-24M2, DS-32M2, DS-32M2, DS-8B2 ² , ED-1032, ED-12000B7, ED-64M; IBM: 2032-001 ³ , 6064; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	28	512	512	Y
9	IBM AIX: 5.1, 5.2	Bull: DCCG147-0000 ⁸ , DCCG148-0000 ⁸ , DCCG154-0000, DCCG155-0000	Bull: MSKG008-0000 ^{9,10} , SMDFF007-B000 ^{9,11} , SMDFF009-B000 ^{9,12}	12	28	512	512	Y
10	IBM AIX: 5.1, 5.2	IBM: 6227, 6228, 6239	EMC Connectrix: DS-8B2 ² , ED-140M	10	28	512	512	Y

- For all PCI-based hosts only: See http://www-1.ibm.com/servers/eserver/pseries/library/hardware_docs/sa38/380538.pdf for appropriate HBA placement guidelines.
- The 200-561-9XX, and 200-563-9XX FA director families support a total of 256 LUNs per FA port. (Hewlett Packard Alpha Tru64 supports 255 LUNs.)
- The IBM 2032-001 is the McData ED-5000.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- IBM SAN FC S08 (8-port) and S16 (16-port). Firmware level is 2.1.3. S08SAN FC switch includes four shortwave optical GBIC ports, and the option to add an additional 4 (8 total) longwave or shortwave ports to the S08. The S08 8-port switch is a single power entry. S16 SAN FC switch includes four shortwave optical GBIC ports, and the option to add an additional 12 (16 total) longwave or shortwave ports to the S16. The S16 is dual-powered. S08 & S16: 1) Shortwave GBIC: Feature Code=2010; 2) Longwave GBIC: Feature Code=2020; 3) Fibre Channel Cable Multimode optical 50.0u, 5m: Feature Code=5805; 4) Fibre Channel Cable Multimode optical 50.0u, 25m: Feature Code=5825.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- Fibre Channel device driver distributed and supported by Bull.
- Firmware revision levels distributed and supported by Bull. Please see appropriate Bull documentation.
- This is a Brocade Silkworm 2800 (16 ports)
- This is a Brocade Silkworm 3800 (16 port, 2 Gb/s)
- This is a Brocade Silkworm 3200 (8 ports, 2 Gb/s)

IBM OS/400

IBM OS/400								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	IBM OS/400 V5R2	IBM 2787	IBM 2109 ^{1,2}	1	28	512	32	N

- FC-fanout is limited to (1), FC-LUNS/Storage port to limited to (32)
- FC-fanout is limited to (1), FC-LUNS/Storage port to is limited to (32)

Microsoft Windows 2000

Microsoft Windows 2000								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Microsoft Windows 2000 Advanced Server SP3 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ³ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ⁸ , Optical Pass-thru Module 02R9080 ^{9, 10} ; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys FCH732213-P64 (LP9002L-F2)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁵ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁷ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	28	512	256	Y ²
2	Microsoft Windows 2000 Advanced Server SP3 ¹	IBM 00N6881 (QLA2200) ⁴ , Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁵ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁷ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	28	512	256	Y
3	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{9, 10}	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁵ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁷ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	28	512	223, 256	Y ²
4	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	QLLogic QLA2300F-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁵ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁷ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	28	512	256	Y ²
5	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ³ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM: 00N6881 (QLA2200) ⁴ , HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ⁸ , HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{9, 10} ; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁵ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁷ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	28	512	256	Y ²

Microsoft Windows 2000								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
6	Microsoft Windows 2000 Datacenter; SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP1000-E, LP1000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ³ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM 00N6881 (QLA2200) ⁴ ; QLLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B ^{2,5} , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,7} , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹¹ , ES-4500	12	28	512	256	Y ²
7	Microsoft Windows 2000: Advanced Server SP4 ¹ , Datacenter SP4 ¹ , Server SP4 ¹	QLLogic QLA2200F-EMC	McDATA: ED-6140, ES-2500	12	28	512	256	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA): 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port. 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/ Fanin of 12:1/1:12 and Netware using the QLA2200F, which has a Fanout/Fanin of 6: 1/1:6. The Fanout/Fanin is restricted to 6:1/1:6. 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information. 4. Reference the Heterogeneous FA Port Sharing section of Director Bit Information. 5. Microcode level 5x66 and above.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Microsoft Windows 2003

Microsoft Windows 2003								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Microsoft Windows 2003 64-Bit DataCenter	Emulex LP982-E; NEC: NT2007A-A001 ⁹ , NT2010A-A001 ⁷ ; QLLogic QLA2340-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B ^{2,3} , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,5} , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	12	28	512	256	Y ²
2	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP9802-E, LP9802DC-E, LP982-E; NEC: NT2007A-A001 ⁹ , NT2010A-A001 ⁷ ; QLLogic: QLA2340-E-SP, QLA2342-E-SP; Unisys FCH742313-P64 (LP9802)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B ^{2,3} , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,5} , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	12	28	512	256	Y ²

Microsoft Windows 2003								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
3	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM: 19K1246(QLA2310) ⁸ , 24P0960(QLA2340) ⁷ , HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ¹⁰ , HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{11, 12} ; NEC N8803-031 (QLA2310F); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ³ , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	12	28	512	256	Y ²
4	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{11, 12}	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ³ , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹³ , ES-4500	12	28	512	223, 256	Y ²

- EMC recommends that HBAs of different vendors not be used in the same host server.
- "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA): 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port. 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/Fanin of 12:1/1:12 and Netware using the QLA2200F, which has a Fanout/Fanin of 6:1/1:6. The Fanout/Fanin is restricted to 6:1/1:6. 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information. 4. Reference the Heterogeneous FA Port Sharing section of Director Bit Information. 5. Microcode level 5x66 and above.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- This HBA is equivalent to the qLogic QLA2340.
- This HBA is equivalent to the qLogic QLA2310.
- This HBA is equivalent to the Emulex LP982.
- Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Microsoft Windows NT

Microsoft Windows NT								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ⁵	McDATA ES-2500	12	28	512	256	Y
2	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ⁵ , LP850-EMC, LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ² , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ² , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ⁸ , ES-4500	12	28	512	256	Y ³
3	Microsoft Windows NT 4.0 SP6A ¹	HPQ: 176479-B21, DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000); IBM 00N6881 (QLA2200) ⁴	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ² , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ² , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ⁸ , ES-4500	12	28	512	256	Y

Microsoft Windows NT								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
4	Microsoft Windows NT 4.0 SP6A ¹	Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ² , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ² , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ⁸ , ES-4500	12	28	512	256	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA): 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port. 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/ Fanin of 12:1/1:12 and Netware using the QLA2200F, which has a Fanout/Fanin of 6: 1/1:6. The Fanout/Fanin is restricted to 6:1/1:6. 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information. 4. Reference the Heterogeneous FA Port Sharing section of Director Bit Information. 5. Microcode level 5x66 and above. (QLA2200) For IBM xSeries and Netfinity servers only.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Novell Netware

Novell Netware								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹ ; Novell Netware 6.5 ^{1, 16}	IBM: 00N6881 (QLA2200) ^{10, 11} , 19K1246(QLA2310) ^{10, 12} , 24P0960(QLA2340) ^{10, 13} ; QLogic QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ³ , 2800 ³ , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{3, 6} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ² , DS-32M, DS-32M2, DS-8B2, DS-8B ³ , ED-1032 ⁸ , ED-12000B ⁹ , ED-140M, ED-64M ⁸ ; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹⁷ , ES-4500	1, 6	28	512	128 ⁵	Y ^{4, 14}
2	Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹ ; Novell Netware 6.5 ^{1, 16}	IBM: 00N6881 (QLA2200) ^{10, 11} , 19K1246(QLA2310) ^{10, 12} , 24P0960(QLA2340) ^{10, 13} ; QLogic QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ³ , 2800 ³ , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{3, 6} , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ³ , ED-1032 ⁸ , ED-12000B ⁹ , ED-140M, ED-64M ⁸ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁷ , ES-4500	6	28	512	128 ⁵	Y ⁴
3	Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹ ; Novell Netware 6.5 ^{1, 16}	QLogic: QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ³ , 2800 ³ , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{3, 6} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ² , DS-32M, DS-32M2, DS-8B2, DS-8B ³ , ED-1032 ⁸ , ED-12000B ⁹ , ED-140M, ED-64M ⁸ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁷ , ES-4500	1, 6	28	512	223 ⁵ , 256 ⁵	Y ^{4, 14}
4	Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹ ; Novell Netware 6.5 ^{1, 16}	QLogic: QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ³ , 2800 ³ , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{3, 6} , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ³ , ED-1032 ⁸ , ED-12000B ⁹ , ED-140M, ED-64M ⁸ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁷ , ES-4500	6	28	512	223 ⁵ , 256 ⁵	Y ⁴
5	Novell Netware: 5.00 SP6A ^{2, 15} , 5.10 SP2A ² , 5.10 SP5 ² , 5.10 SP6, 6.0 SP1 ^{1, 2} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹ , 6.5 ^{1, 16}	IBM: 00N6881 (QLA2200) ¹¹ , 19K1246(QLA2310) ^{10, 12} , 24P0960(QLA2340) ^{10, 13} ; QLogic QLA2342-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ² , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹⁷ , ES-4500	1, 6	28	512	128 ⁵	Y ^{4, 14}
6	Novell Netware: 5.00 SP6A ^{2, 15} , 5.10 SP2A ² , 5.10 SP5 ² , 5.10 SP6, 6.0 SP1 ^{1, 2} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹ , 6.5 ^{1, 16}	Emulex LP9002-E (LP9002L-E); QLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ² , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹⁷ , ES-4500	1, 6	28	512	256 ⁵	Y ^{4, 14}

1. NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
2. Maximum number of NWFS volumes that can be mounted is 64.
3. Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
4. "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA):
 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port.
 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/Fanin of 12:1/1:12 and NetWare using the QLA2200F, which has a Fanout/Fanin of 6:1/1:6. The Fanout/Fanin is restricted to 6:1/1:6.
 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information.
 4. Reference the Heterogeneous FA Port Sharing section of Director Bit Information, Table 138 on page 345.
 5. Microcode level 5x66 and above.
5. NetWare 5.00 NSS has a 120 LUNs per port limitation. If NSS is used, the maximum LUNs per Symm-Port/HBA is 120/120.
6. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
7. EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
8. ED-64 and ED-1032 not supported for FC5300.
9. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
10. For IBM Netfinity and xSeries Intel servers only.
11. (QLA2200) For IBM xSeries and Netfinity servers only.
12. This HBA is equivalent to the qLogic QLA2310.
13. This HBA is equivalent to the qLogic QLA2340.
14. "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA):
 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port.
 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/Fanin of 12:1/1:12 and Netware using the QLA2200F, which has a Fanout/Fanin of 6: 1/1:6. The Fanout/Fanin is restricted to 6:1/1:6.
 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information.
 4. Reference the Heterogeneous FA Port Sharing section of Director Bit Information.
 5. Microcode level 5x66 and above.
15. Requires NWPA.NLM V.3.07A update from Novell website.
16. Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.
17. Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Red Hat Linux

Red Hat Linux									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
1	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{2,5}	HPQ Dual-port mezzanine controller card ^{4, 18, 19}	Brocade Silkworm 3900; Cisco MDS: 9216, 9509; EMC Connectrix DS-32B2 ⁶	12	28	512	128, 256	Y	
2	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{2,5}	QLogic QLA2342-E-SP	Brocade Silkworm 3900; Cisco MDS: 9216, 9509; EMC Connectrix DS-32B2 ⁶	12	28	512	256	Y	
3	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{2,5}	QLogic: QLA2200F-EMC ⁴ , QLA2310F-E-SP ⁴ , QLA2340-E-SP ⁴	Brocade Silkworm 3900; Cisco MDS: 9216, 9509; EMC Connectrix DS-32B2 ⁶	12	28	512	128	Y	
4	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{4,5} , v2.4.9-E.12 ^{4,5} , v2.4.9-E.16 ^{2,5} , v2.4.9-E.3 ^{2,3} , Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2,5} , v2.4.9-e.16 ^{2,5}	HPQ Dual-port mezzanine controller card ^{4, 18, 19}	Brocade Silkworm: 1000, 1200, 2400 ⁸ , 2800 ⁸ , 3200 ⁹ , 3800 ⁸ , 3900, 6400 ⁸ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁸ , 11, DS-16B ¹⁰ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ⁸ , ED-1032 ⁷ , ED-12000B ⁶ , ED-64M; McDATA: ED-5000 ⁷ , ED-6064, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	12	28	512	128, 256	Y	See ¹
5	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{4,5} , v2.4.9-E.12 ^{4,5} , v2.4.9-E.16 ^{2,5} , v2.4.9-E.3 ^{2,3} , Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2,5} , v2.4.9-e.16 ^{2,5}	QLogic QLA2342-E-SP	Brocade Silkworm: 1000, 1200, 2400 ⁸ , 2800 ⁸ , 3200 ⁹ , 3800 ⁸ , 3900, 6400 ⁸ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁸ , 11, DS-16B ¹⁰ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ⁸ , ED-1032 ⁷ , ED-12000B ⁶ , ED-64M; McDATA: ED-5000 ⁷ , ED-6064, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	12	28	512	256	Y	See ¹
6	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{4,5} , v2.4.9-E.12 ^{4,5} , v2.4.9-E.16 ^{2,5} , v2.4.9-E.3 ^{2,3} , Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2,5} , v2.4.9-e.16 ^{2,5}	QLogic QLA2342-E-SP	EMC Connectrix DS-32B2 ⁶	12	28	512	256	Y	

Red Hat Linux									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
7	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,5} , v2.4.9-E.12 ^{2,5} , v2.4.9-E.16 ^{2,5} , v2.4.9-E.3 ^{2,3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2,5} , v2.4.9-e.16 ^{2,5}	QLogic: QLA2200F-EMC ⁴ , QLA2310F-E-SP ⁴ , QLA2340-E-SP ⁴	Brocade Silkworm: 1000, 1200 ⁸ , 2400 ⁸ , 2800 ⁸ , 3200 ⁹ , 3800 ⁸ , 3900, 6400 ⁸ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,8} , 11, DS-16B ¹⁰ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ⁸ , ED-1032 ⁷ , ED-12000B ⁶ , ED-64M; McDATA: ED-5000 ⁷ , ED-6064, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	12	28	512	128	Y	See ¹
8	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,5} , v2.4.9-E.12 ^{2,5} , v2.4.9-E.16 ^{2,5} , v2.4.9-E.3 ^{2,3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2,5} , v2.4.9-e.16 ^{2,5}	QLogic: QLA2200F-EMC ⁴ , QLA2310F-E-SP ⁴ , QLA2340-E-SP ⁴	EMC Connectrix DS-32B ^{2,6}	12	28	512	128	Y	
9	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2,5} , v2.4.9-E.12 ^{2,5} , v2.4.9-E.16 ^{2,5} , v2.4.9-E.3 ^{2,3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2,5} , v2.4.9-e.16 ^{2,5} ; Red Hat Linux 7.3 updated to v2.4.20-0.7 ²	HPQ Dual-port mezzanine controller card ⁴ , 18, 19	EMC Connectrix DS-32B ^{2,6}	12	28	512	128, 256	Y	
10	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES v2.4.9-e.24 ²	Emulex: LP9002-E (LP9002L-E) ^{4, 12, 13, 14, 15, 16, 17} , LP9002DC-E ^{4, 12, 13, 14, 15, 16} , LP9802-E ^{4, 12, 13, 14, 15, 16} , LP9802DC-E ^{4, 12, 13, 14, 15, 16} , LP982-E ^{4, 12, 14, 15, 16, 20}	Brocade Silkworm: 1000, 1200 ⁸ , 2400 ⁸ , 2800 ⁸ , 3200 ⁹ , 3800 ⁸ , 3900, 6400 ⁸ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,8} , 11, DS-16B ¹⁰ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,6} , DS-32M, DS-32M2, DS-8B2, DS-8B ⁸ , ED-1032 ⁷ , ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-5000 ⁷ , ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	12	28	512	128	Y	See ¹
11	Red Hat Linux 2.1 ES v2.4.9-e.25 ²	Emulex LP1050DC-E ^{4, 12, 13, 14, 15, 16}	Brocade Silkworm: 1000, 1200 ⁸ , 2400 ⁸ , 2800 ⁸ , 3200 ⁹ , 3800 ⁸ , 3900, 6400 ⁸ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,8} , 11, DS-16B ¹⁰ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,6} , DS-32M, DS-32M2, DS-8B2, DS-8B ⁸ , ED-1032 ⁷ , ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-5000 ⁷ , ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	12	28	512	1238	Y	See ¹
12	Red Hat Linux 2.1 ES v2.4.9-e.25 ²	Emulex: LP1000-E ^{4, 12, 13, 14, 15} , LP1000DC-E ^{4, 12, 13, 14, 15} , LP1050-E ^{4, 12, 13, 14, 15, 16} , LP9002-E (LP9002L-E) ^{4, 12, 13, 14, 15, 16, 17} , LP9002DC-E ^{4, 12, 13, 14, 15, 16} , LP9802-E ^{4, 12, 13, 14, 15, 16} , LP9802DC-E ^{4, 12, 13, 14, 15, 16} , LP982-E ^{4, 12, 14, 15, 16, 20}	Brocade Silkworm: 1000, 1200 ⁸ , 2400 ⁸ , 2800 ⁸ , 3200 ⁹ , 3800 ⁸ , 3900, 6400 ⁸ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,8} , 11, DS-16B ¹⁰ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,6} , DS-32M, DS-32M2, DS-8B2, DS-8B ⁸ , ED-1032 ⁷ , ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-5000 ⁷ , ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	12	28	512	128	Y	See ¹

Red Hat Linux									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
13	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex: LP10000DC-E, LP9002DC-E, LP9802-E; QLogic: QLA2200F-EMC ⁴ , QLA2310F-E-SP ⁴ , QLA2340-E-SP ⁴	Brocade Silkworm: 1000, 12000, 2400 ⁸ , 2800 ⁸ , 3200 ⁹ , 3800 ⁸ , 3900, 6400 ⁸ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁸ , 11, DS-16B10, DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B ⁸ , ED-1032 ⁷ , ED-12000B ⁶ , ED-64M; McDATA: ED-5000 ⁷ , ED-6064, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	12	28	512	128	Y	See ¹
14	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex: LP10000DC-E, LP9002DC-E, LP9802-E; QLogic: QLA2200F-EMC ⁴ , QLA2310F-E-SP ⁴ , QLA2340-E-SP ⁴	EMC Connectrix DS-32B2 ⁶	12	28	512	128	Y	
15	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	HPQ Dual-port mezzanine controller card ⁴ , 18, 19	Brocade Silkworm: 1000, 12000, 2400 ⁸ , 2800 ⁸ , 3200 ⁹ , 3800 ⁸ , 3900, 6400 ⁸ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁸ , 11, DS-16B10, DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B ⁸ , ED-1032 ⁷ , ED-12000B ⁶ , ED-64M; McDATA: ED-5000 ⁷ , ED-6064, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	12	28	512	128, 256	Y	See ¹
16	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2342-E-SP ⁴ , 16, 18	Brocade Silkworm: 1000, 12000, 2400 ⁸ , 2800 ⁸ , 3200 ⁹ , 3800 ⁸ , 3900, 6400 ⁸ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁸ , 11, DS-16B10, DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B ⁸ , ED-1032 ⁷ , ED-12000B ⁶ , ED-64M; McDATA: ED-5000 ⁷ , ED-6064, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	12	28	512	256	Y	See ¹
17	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2342-E-SP ⁴ , 16, 18	EMC Connectrix DS-32B2 ⁶	12	28	512	256	Y	
18	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP9002-E (LP9002L-E) ⁴ , 12, 13, 14, 15, 16, 17, LP9002DC-E ⁴ , 12, 13, 14, 15, 16, LP9802-E ⁴ , 12, 13, 14, 15, 16, LP9802DC-E ⁴ , 12, 13, 14, 15, 16	Brocade Silkworm: 1000, 12000, 2400 ⁸ , 2800 ⁸ , 3200 ⁹ , 3800 ⁸ , 3900, 6400 ⁸ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁸ , 11, DS-16B10, DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁶ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁸ , ED-1032 ⁷ , ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-5000 ⁷ , ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	12	28	512	128	Y	See ¹

- All adapters must be the same type except with HP-UX.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supported with QLogic driver v6.05.00.
- Single HBA zoning is required regardless of the switch being utilized.
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- Requires Connectrix microcode v2.0.1 or later or v2.2 or later.
- Requires Brocade firmware v2.5.1b or later.
- Requires Brocade firmware v3.0.2a or later.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

SGI IRIX

SGI IRIX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	SGI IRIX: 6.5.17, 6.5.18	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B, XT-FC-1P-OPT-A	Brocade Silkworm: 12000, 2400, 2800, 3900; EMC Connectrix: DS-16B2 ³ , DS-16B ² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹ , DS-32M, DS-32M2, ED-140M	4	28	512	256	N
2	SGI IRIX: 6.5.17, 6.5.18	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B, XT-FC-1P-OPT-A	EMC Connectrix ED-12000B ⁴	4	28	512	255	N

- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

SuSE Linux

SuSE Linux									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
1	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex LP1050DC-E ^{4, 7, 8, 9, 10, 19}	Brocade Silkworm: 1000, 12000, 2400 ¹¹ , 2800 ¹¹ , 3200 ¹² , 3800 ¹¹ , 3900, 6400 ¹¹ ; EMC Connectrix: DS-16B2 ^{11, 14} , DS-16B ¹³ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁶ , DS-32M, DS-32M2, DS-8B2, DS-8B ¹¹ , ED-1032 ¹⁵ , ED-12000B ¹⁶ , ED-140M, ED-64M; McDATA: ED-5000 ¹⁵ , ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²⁰ , ES-4500	12	28	512	1238	Y	See ¹
2	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP1000-E ^{4, 5, 8, 9, 10} , LP1000DC-E ^{4, 5, 8, 9, 10} , LP1050-E ^{4, 7, 8, 9,} ^{10, 19} , LP9002-E (LP9002L-E) ^{4, 5, 6, 7, 8, 9,} ¹⁰ , LP9002DC-E ^{4, 5, 7, 8, 9, 10} , LP9802-E ^{4, 5,} ^{7, 8, 9, 10} , LP9802DC-E ^{4, 5, 7, 8, 9, 10} , LP982-E ^{4, 7, 8, 9, 10, 18}	Brocade Silkworm: 1000, 12000, 2400 ¹¹ , 2800 ¹¹ , 3200 ¹² , 3800 ¹¹ , 3900, 6400 ¹¹ ; EMC Connectrix: DS-16B2 ^{11, 14} , DS-16B ¹³ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁶ , DS-32M, DS-32M2, DS-8B2, DS-8B ¹¹ , ED-1032 ¹⁵ , ED-12000B ¹⁶ , ED-140M, ED-64M; McDATA: ED-5000 ¹⁵ , ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ²⁰ , ES-4500	12	28	512	128	Y	See ¹
3	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	HPQ Dual-port mezzanine controller card ^{4, 5, 17}	EMC Connectrix: DS-16B2 ^{11, 14} , DS-16B ¹³ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁶ , DS-32M, DS-32M2, DS-8B2, DS-8B ¹¹ , ED-1032 ¹⁵ , ED-12000B ¹⁶ , ED-140M, ED-64M	12	28	512	128, 256	Y	See ¹
4	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	QLogic: QLA2200F-EMC ^{4, 5, 8} , QLA2310F-E-SP ^{4, 5, 8} , QLA2340-E-SP ^{4, 5,} ⁸ , QLA2342-E-SP ^{4, 5, 8}	EMC Connectrix: DS-16B2 ^{11, 14} , DS-16B ¹³ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁶ , DS-32M, DS-32M2, DS-8B2, DS-8B ¹¹ , ED-1032 ¹⁵ , ED-12000B ¹⁶ , ED-140M, ED-64M	12	28	512	256	Y	See ¹

- All adapters must be the same type except with HP-UX.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from [ftp://ftp.emc.com/pub/elab/linux](http://ftp.emc.com/pub/elab/linux).
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Host must be offline for interfamily Symmetrix microcode upgrade.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- Requires Brocade firmware v2.5.1b or later.
- Requires Brocade firmware v3.0.2a or later.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- Requires Connectrix microcode v2.0.1 or later or v2.2 or later.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)**

Sun Solaris

Sun Solaris								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Sun Solaris 2.6	Emulex: LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002S-E; JNI: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E; QLogic QLA2200F-EMC	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁶ , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232	12	28	512	128 ²	Y ¹
2	Sun Solaris 2.6	Emulex: LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002S-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	EMC Connectrix DS-32B2 ⁵	12	28	512	256	Y
3	Sun Solaris 7	Emulex: LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002S-E, LP9802-E; JNI: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLogic: QLA2200F-EMC, QLA2202FS-E, QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁶ , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232	12	28	512	256 ²	Y ¹
4	Sun Solaris 7	Emulex: LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002S-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	EMC Connectrix DS-32B2 ⁵	12	28	512	256	Y
5	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; JNI: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLogic: QCP2202F-E, QLA2200F-EMC, QLA2202FS-E, QLA2340-E-SP, QLA2342-E-SP; Sun: X6767A (SG-XPCI1FC-QF2), X6768A (SG-XPCI2FC-QF2)	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC Connectrix: DS-16B2 ⁶ , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232	12	28	512	256 ²	Y ¹
6	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; QLogic: QCP2202F-E, QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP; Sun: X6767A (SG-XPCI1FC-QF2), X6768A (SG-XPCI2FC-QF2)	EMC Connectrix DS-32B2 ⁵	12	28	512	256	Y
7	Sun Solaris 9	Emulex LP10000-E	Cisco MDS 9216 ⁷ , EMC Connectrix DS-32B2 ⁵	12	28	512	256	Y
8	Sun Solaris 9	Emulex LP10000-E	Cisco MDS 9509 ⁷	12	28	512	256	Y ¹
9	Sun Solaris 9	Emulex LP10000DC-E	Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC Connectrix DS-32B2 ⁵	12	28	512	256	Y
10	Sun Solaris 9	Emulex LP8000-EMC ³ ; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCX2-6562-E	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC Connectrix: DS-16B2 ⁶ , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	28	512	256 ²	Y ¹
11	Sun Solaris 9	Emulex LP9002S-E	Brocade Silkworm: 12000, 2400, 2800, 3900, 6400; Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC Connectrix: DS-16B ⁴ , DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	28	512	256 ²	Y ¹
12	Sun Solaris 9	Emulex: LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLogic: QCP2202F-E, QLA2200F-EMC, QLA2340-E-SP, QLA2342-E-SP; Sun: X6767A (SG-XPCI1FC-QF2), X6768A (SG-XPCI2FC-QF2)	EMC Connectrix DS-32B2 ⁵	12	28	512	256	Y

Sun Solaris								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
13	Sun Solaris 9	Emulex: LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E; QLogic: QCP2202F-E, QLA2200F-EMC, QLA2342-E-SP; Sun: X6767A (SG-XPCI1FC-QF2), X6768A (SG-XPCI2FC-QF2)	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC Connectrix: DS-16B ² , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232	12	28	512	256 ²	Y ¹
14	Sun Solaris 9	QLogic QLA2340-E-SP	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216 ⁷ , 9509 ⁷ ; EMC Connectrix: DS-16B ² , DS-16B ⁴ , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	28	512	256	Y ¹
15	Sun Solaris: 8, 9	Emulex LP8000-EMC ³	EMC Connectrix DS-32B ² ⁵	12	28	512	128(Sol 2.6), 256(Sol 7.8)	Y

- "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a Symmetrix FA port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for No means this host cannot share an FA port with any different OS/HBA): 1. ESN Manager is required to prevent sharing Symmetrix devices between Operating Systems on a single FA port. 2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/ Fanin of 12:1/1:12 and Netware using the QLA2200F, which has a Fanout/Fanin of 6: 1/1:6. The Fanout/Fanin is restricted to 6:1/1:6. 3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information. 4. Reference the Heterogeneous FA Port Sharing section of Director Bit Information. 5. Microcode level 5x66 and above.
- The Sun Solaris sd driver is unable to configure a lun addresses greater than 255.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License" , use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- No boot support at this time.

Unisys MCP

Unisys MCP								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Unisys MCP 48.1 (HMP 7.0)	Unisys FCA1850-LC	Brocade Silkworm: 2400, 2800, 3200, 3800	1	28	512	1024	N
2	Unisys MCP 48.1 (HMP 7.0)	Unisys: FCA1850-LC, FCA621-CU ⁵ , FCA622-SW ¹ , FCA623-LW ⁶ , FCA661-CU ² , FCA662-SW ³ , FCA663-LW ⁴	Brocade Silkworm: 2400, 2800, 3800; EMC Connectrix: DS-16B ² ⁸ , DS-16B ⁷ , DS-8B	2	28	512	512	Y
3	Unisys MCP 48.1 (HMP 7.0)	Unisys: FCA661-CU ² , FCA662-SW ³ , FCA663-LW ⁴	Brocade Silkworm: 2400, 2800, 3200, 3800	1	28	512	512	N

- Fibre Short Wave
- Hi Perform Fibre Copper
- Hi Perform Short Wave
- Hi Perform Long Wave
- Fibre Copper
- Fibre Long Wave
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License" , use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

Unisys OS 2200

Unisys OS 2200								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Unisys OS 2200 HMP: 6.1, 7.0, 7.1, 8.0	Unisys: FCA622-SW ¹ , FCA662-SW ²	Brocade Silkworm: 12000, 2400, 2800, 3800, 3900; EMC Connectrix: DS-16B ² ⁴ , DS-16B ³ , DS-16M, DS-16M2, DS-24M2, DS-32B ² ⁵ , DS-32M, DS-32M2, DS-8B, ED-12000B ⁵ , ED-140M	4	28	512	256	Y

- Fibre Short Wave
- Hi Perform Short Wave
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License" , use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.

Unisys SB7

Unisys SB7								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Unisys SB7	Unisys: FCA621-CU ⁵ , FCA622-SW ¹ , FCA623-LW ⁶ , FCA661-CU ⁴ , FCA662-SW ² , FCA663-LW ³	Brocade Silkworm: 12000, 2400, 2800, 3800, 3900; EMC Connectrix: DS-16B2 ⁸ , DS-16B ⁷ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁹ , DS-32M, DS-8B, ED-12000B ⁹ , ED-140M	4	28	512	256	Y

1. Fibre Short Wave
2. Hi Perform Short Wave
3. Hi Perform Long Wave
4. Hi Perform Fibre Copper
5. Fibre Copper
6. Fibre Long Wave
7. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
8. EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
9. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.

VMware ESX

VMware ESX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	VMware ESX v1.5.2 patch ⁴ 1, 2, 3	QLogic: QLA2340-E-SP ⁸ , QLA2342-E-SP ⁷	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	28	512	256	Y
2	VMware ESX v1.5.2 patch ⁵ 1, 2, 3	QLogic: QLA2340-E-SP ⁷ , QLA2342-E-SP ⁷	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	28	512	256	Y
3	VMware ESX v1.5.2: patch ² , patch ³ 1, 2, 3	QLogic: QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	28	512	256	Y
4	VMware ESX v2.0.1 ^{1, 9, 10}	QLogic: QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ⁷	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	12	28	512	256	Y

1. EMC software will function on neither the VMkernel nor the VMs as the currently-released versions of the SymAPI do not include support for VMware ESX.
2. Path failover and load-balancing are not supported.
3. Windows 2000 SP3 and SP4, Windows NT 4.0, and RHEL 2.1 ES/AS are qualified to run as Virtual Machines.
4. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
5. EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
6. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
7. Supported with QLogic driver v6.04.00-emc included in the VMware ESX v1.5.2 patch 5 release and BIOS v1.34.
8. Supported with QLogic driver v6.04.00-emc included in the VMware ESX v1.5.2 patch 4 release and BIOS v1.34.
9. Windows 2000 SP4, Windows 2003, and RHEL 2.1 ES/AS are qualified to run as Virtual Machines.
10. PowerPath is not supported on VMware ESX v2.0.1. However, the native VMware ESX v2.0.1 path failover is supported on Symmetrix 8000 and DMX.

iSCSI to FC Routing

No.	Operating System	Network Interface Card	Driver	Network Configuration	Bridge	Firmware Revision	Comments
1	Microsoft Windows 2000: Advanced Server SP ³ , Server SP ³ ⁶ ; Sun Solaris 8	Generic NIC 10/100, Generic NIC GE	Cisco 2.1.4	LAN Only	Cisco SN 5420 ^{1, 2, 3, 4, 5}	Cisco 2.1.2.6	
2	Microsoft Windows 2000: Advanced Server SP ⁴ , Server SP ⁴ ⁶ ; Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ , Standard Edition (Server) ⁶	Generic NIC 10/100, Generic NIC GE	Microsoft 1.01 ^{4, 5, 7, 8}	LAN Only ^{9, 10}	Nishan IPS 3300, Nishan IPS 4300	4.1	See ^{11, 12, 13, 14}

1. Refer to document - Symmetrix in an iSCSI Cisco Storage Router Configuration EMC P/N 300-000-688, for configuration guidelines.
2. PowerPath is supported and the configuration is specified in the configuration document.
3. SymAPI 5.0.1 is required.
4. Booting over iSCSI is not supported.
5. Clusters are not supported.

6. EMC recommends that HBAs of different vendors not be used in the same host server.
7. **Microsoft Dynamic Disks are not supported.**
8. **The maximum number of iSCSI LUNs supported per host system is 128.**
9. **Layer 2 or single subnet TCP/IP LAN**
10. **Requires a dedicated network for iSCSI storage only. The network should be design to have no packet loss or packet duplication.**
11. **This configuration requires completion of a Pre-Sales Questionnaire (PSQ).**
12. **PowerPath 3.0.5 is supported with different subnets for each path.**
13. **LUN masking requires Solutions Enabler 5.3 with SAN Manager 5.1.**
14. **A maximum of 12:1 fan-in is supported.**

Native iSCSI

No.	Operating System	Network Interface Card	Driver	Network Configuration	Comments
1	Microsoft Windows 2000: Advanced Server SP4 ¹ , Server SP4 ¹ ; Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Generic NIC 10/100, Generic NIC GE	Microsoft 1.01	LAN Only ⁴	See ^{2, 3, 5, 6, 7, 8, 9,} ¹⁰

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. LUN masking requires Solutions Enabler 5.3 with SAN Manager 5.1.
3. A maximum of 12:1 fan-in is supported.
4. Layer 2 or single subnet TCP/IP LAN
5. Booting over iSCSI is not supported.
6. Clusters are not supported.
7. This configuration requires completion of a Pre-Sales Questionnaire (PSQ).
8. PowerPath 3.0.5 is supported with different subnets for each path.
9. Microsoft Dynamic Disks are not supported.
10. The maximum number of iSCSI LUNs supported per host system is 128.

Application Software Fujitsu Siemens Solaris

Fujitsu Siemens Solaris				
No.	Operating System	Host Bus Adapter	Application Software	
1	Fujitsu Siemens Solaris 8: 02/02, 850/650	Fujitsu Siemens LP9802-E (GP70F-CF31)	PowerPath: 3.0.2, 3.0.3, 3.0.4, 4.0.0 ^{3, 4} , 4.0.1 ³ , 4.0.2 ³ , 4.0.3 ³	
2	Fujitsu Siemens Solaris 9 04/03	Fujitsu Siemens: LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	PowerPath: 3.0.3, 3.0.4, 4.0.0 ^{3, 4} , 4.0.1 ³ , 4.0.2 ³ , 4.0.3 ³	
3	Fujitsu Siemens Solaris: 2.6 May 98, 7 Nov 99, 8 02/02, 8 850/650	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X) ¹ , ²	PowerPath 3.0.2	
4	Fujitsu Siemens Solaris: 2.6 May 98, 7 Nov 99, 8 02/02, 8 850/650	Fujitsu Siemens LP9002-E (LP9002L-E) GP70F-CF30	PowerPath: 3.0.2, 3.0.3, 3.0.4, 4.0.0 ^{3, 4} , 4.0.1 ³ , 4.0.2 ³ , 4.0.3 ³	
5	Fujitsu Siemens Solaris: 2.6 May 98, 7 Nov 99, 8 02/02, 8 850/650, 9 04/03	Fujitsu Siemens LP8000-EMC (GP70F-CF10) (PP028FC1X)	PowerPath: 3.0.3, 3.0.4, 4.0.0 ^{3, 4} , 4.0.1 ³ , 4.0.2 ³ , 4.0.3 ³	

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
3. RPQ for PowerPath Volume Manager support with PRIMECLUSTER.
4. Pending final general availability dates.

HPQ HP-UX

HPQ HP-UX				
No.	Operating System	Host Bus Adapter	Application Software	Comments
1	HPQ HP-UX 11.0 ^{3, 4, 9}	HPQ: A5158A ⁶ , A6684A ⁶ , A6685A ⁶ , A6795A ^{6, 8}	PowerPath: 3.0.1, 3.0.3 b 003 ¹⁰	See ^{1, 2}
2	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A6826A ^{11, 12}	PowerPath 3.0.3 b 003 ^{7, 10}	
3	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3, 4, 5}	HPQ: A5158A ⁶ , A6684A ⁶ , A6685A ⁶ , A6795A ^{6, 8}	PowerPath 3.0.1 ⁷	See ^{1, 2}
4	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3, 5}	HPQ: A5158A ⁶ , A6684A ⁶ , A6685A ⁶ , A6795A ^{6, 8}	PowerPath 3.0.3 b 003 ^{7, 10}	See ^{1, 2}

1. FCAL on Symm 6 supported by direct attach only
2. Symm6: 512 lun limit per FA port
3. For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
4. On HP-UX 11.00 LVM support only - no VxVM
5. Symm 6 is qualified with: HP-UX 11i Support Plus Sept '02 bundle = GOLDAPPS11i June '02, GOLDBASE11i June '02 & HWEnable11i Sept '02.
6. For driver versions refer to Base Connectivity Section
7. With PowerPath 3.0.1 and later, HP-UX 11i, Symm6 support: VxVM 3.2 is supported; VxVM 3.5 currently not supported.
8. As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)
L2000 (product number A5191A)
N4000 Revision A (product number A3639A)
N4000 Revision B (product number A3639B)

9. Symm 6 is qualified with: HP-UX 11.00 Support Plus Sept '02 bundle = QPK1100 Sept '02 & HWE1100 Sept '02
10. Supported with HP-UX 11.0, 11i only
11. **Required Patch PHKL_28569, PHKL_26938 and 2port 2Gig driver version 11.11.01.**
12. **Host must be configured as a 64Bit operating system.**

HPQ Tru64 UNIX

HPQ Tru64 UNIX			
No.	Operating System	Host Bus Adapter	Application Software
1	HPQ Tru64 UNIX V4.0G ⁴	HPQ KGPSA-CA (168794-B21)	PowerPath 3.0.0
2	HPQ Tru64 UNIX V5.1 ²	HPQ: FCA2354 (LP9002), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	PowerPath 3.0.0
3	HPQ Tru64 UNIX: V5.1A ¹ , V5.1B ³	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	PowerPath 3.0.0

1. **Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).**
2. **Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).**

3. Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).
 4. Tru64 V4.0G latest qualified Patch Kit 4 (T64V40GB22AS0004-20030731).

IBM AIX

IBM AIX			
No.	Operating System	Host Bus Adapter	Application Software
1	IBM AIX: 4.3.3, 5.1, 5.2	IBM: 6227, 6228	PowerPath: 3.0.3 ¹ , 3.0.4 ¹
2	IBM AIX: 5.1, 5.2	IBM 6239	PowerPath 3.0.4 ¹

1. Customers attached to DMX (5669 code) will need to apply fix 19491. This fix is available in microcode version 5669.42.19.

Microsoft Windows 2000

Microsoft Windows 2000			
No.	Operating System	Host Bus Adapter	Application Software
1	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server SP4 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E , LP8000-EMC ⁷ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E ³ ; HPQ: A7298A (LP982) , D8602A (Agilent HHBA-5101B) ^{1, 4} , D8602B (Agilent HHBA-5101C) ^{1, 6} , DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000) , Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982) ; IBM: 00N6881 (QLA2200) ⁵ , 24P0960(QLA2340) ⁸ , HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062², HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080^{10, 11} ; NEC: N8103-200, N8190-105¹³, N8503-200, N8803-031 (QLA2310F) ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	PowerPath: 3.0.0 ² , 3.0.5 ⁹
2	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E , LP8000-EMC ⁷ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E ³ ; HPQ: A7298A (LP982) , D8602A (Agilent HHBA-5101B) ^{1, 4} , D8602B (Agilent HHBA-5101C) ^{1, 6} , DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000) , Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982) ; IBM: 00N6881 (QLA2200) ⁵ , 24P0960(QLA2340) ⁸ , HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062², HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080^{10, 11} ; NEC: N8103-200, N8190-105¹³, N8503-200, N8803-031 (QLA2310F) ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	PowerPath 3.0.2 ²
3	Microsoft Windows 2000 Datacenter SP4 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E , LP8000-EMC ⁷ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E ³ ; HPQ: A7298A (LP982) , D8602A (Agilent HHBA-5101B) ^{1, 4} , D8602B (Agilent HHBA-5101C) ^{1, 6} , DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000) , Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982) ; IBM: 00N6881 (QLA2200) ⁵ , 24P0960(QLA2340) ⁸ ; NEC: N8103-200, N8190-105¹³, N8503-200, N8803-031 (QLA2310F) ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	PowerPath 3.0.2 ²
4	Microsoft Windows 2000 Datacenter SP4 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E , LP8000-EMC ⁷ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E ³ ; HPQ: A7298A (LP982) , D8602A (Agilent HHBA-5101B) ^{1, 4} , D8602B (Agilent HHBA-5101C) ^{1, 6} , DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000) , Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982) ; IBM: 00N6881 (QLA2200) ⁵ , 24P0960(QLA2340) ⁸ ; NEC: N8103-200, N8190-105¹³, N8503-200, N8803-031 (QLA2310F) ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	PowerPath: 3.0.0 ² , 3.0.5 ⁹
5	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E , LP8000-EMC ⁷ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E ³ ; HPQ: A7298A (LP982) , D8602A (Agilent HHBA-5101B) ^{1, 4} , D8602B (Agilent HHBA-5101C) ^{1, 6} , DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000) , Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982) ; IBM: 00N6881 (QLA2200) ⁵ , 24P0960(QLA2340) ⁸ ; NEC: N8103-200, N8190-105¹³, N8503-200, N8803-031 (QLA2310F) ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	PowerPath 3.0.2 ²
6	Microsoft Windows 2000 Datacenter: SP2 ¹ , SP3 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E , LP8000-EMC ⁷ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E ³ ; HPQ: A7298A (LP982) , D8602A (Agilent HHBA-5101B) ^{1, 4} , D8602B (Agilent HHBA-5101C) ^{1, 6} , DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000) , Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982) ; IBM: 00N6881 (QLA2200) ⁵ , 24P0960(QLA2340) ⁸ ; NEC: N8103-200, N8190-105¹³, N8503-200, N8803-031 (QLA2310F) ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	PowerPath: 3.0.0 ² , 3.0.5 ⁹

Microsoft Windows 2000			
No.	Operating System	Host Bus Adapter	Application Software
7	Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E , LP8000-EMC ⁷ , LP850-EMC, LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982) , D8602A (Agilent HHBA-5101B) ^{1, 4} , D8602B (Agilent HHBA-5101C) ^{1, 6} , DS-KGPSA-CA (LP8000) , DS-KGPSA-CB (LP8000) , DS-KGPSA-CY (LP8000) , Dual-port mezzanine controller card, FCA2101 (LP952) , FCA2214 (QLA2340) , FCA2214DC (QLA2342) , FCA2354 (LP9002) , FCA2355 (LP9002DC) , FCA2384 (LP9802) , FCA2404 (LP9802) , FCA2404DC (LP9802DC) , FCA2408 (LP982) ; IBM: 00N6881 (QLA2200) ⁵ , 24P0960(QLA2340) ⁸ , HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062¹² , HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080^{10, 11} ; NEC: N8103-200, N8190-105¹³, N8503-200, N8803-031 (QLA2310F) ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	PowerPath: 3.0.0 ² , 3.0.5 ⁹

- EMC recommends that HBAs of different vendors not be used in the same host server.
- ATF/CDE and PowerPath cannot co-exist in the same server.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- (HHBA-5101BK-01)
- (QLA2200) For IBM xSeries and Netfinity servers only.
- The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- This HBA is equivalent to the qLogic QLA2340.
- Stratus ftServer OS release 2.1 or greater required for Stratus ftServers.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
- EMC does not support the Emulex equivalent of N8190-105. Check with NEC on where to download the latest supported firmware and boot BIOS for this adapter.

Microsoft Windows 2003

Microsoft Windows 2003			
No.	Operating System	Host Bus Adapter	Application Software
1	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E , LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E, LP9802DC-E, LP982-E ⁴ ; HPQ: A7298A (LP982) , DS-KGPSA-CA (LP8000) , DS-KGPSA-CB (LP8000) , DS-KGPSA-CY (LP8000) , Dual-port mezzanine controller card, FCA2101 (LP952) , FCA2214 (QLA2340) , FCA2214DC (QLA2342) , FCA2354 (LP9002) , FCA2355 (LP9002DC) , FCA2384 (LP9802) , FCA2404 (LP9802) , FCA2404DC (LP9802DC) , FCA2408 (LP982) ; IBM: 24P0960(QLA2340) ⁸ , HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062⁹ , HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080^{7, 8} ; NEC: N8190-105¹⁰, N8803-031 (QLA2310F) ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1)	PowerPath 3.0.5 ^{2, 3}

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Stratus ftServer OS release 2.1 or greater required for Stratus ftServers.
- PowerPath is currently supported only with QLogic SCSI Port miniport drivers and the Emulex full port driver.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- This HBA is equivalent to the qLogic QLA2340.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
- EMC does not support the Emulex equivalent of N8190-105. Check with NEC on where to download the latest supported firmware and boot BIOS for this adapter.

Microsoft Windows NT

Microsoft Windows NT			
No.	Operating System	Host Bus Adapter	Application Software
1	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ² , LP850-EMC, LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: 176479-B21, A5246A (Agilent HHBA-5000A) ¹ , D8602A (Agilent HHBA-5101B) ^{1, 3} , D8602B (Agilent HHBA-5101C) ^{1, 4} , DS-KGPSA-CB (LP8000) , DS-KGPSA-CY (LP8000) , FCA2404 (LP9802); IBM: 00N6881 (QLA2200) ⁵ , 24P0960(QLA2340) ⁶ ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1)	PowerPath: 3.0.0, 3.0.1, 3.0.2, 3.0.5

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- (HHBA-5101BK-01)
- The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- This HBA is equivalent to the qLogic QLA2340.

Novell Network

Novell Network			
No.	Operating System	Host Bus Adapter	Application Software
1	Novell Network: 5.00 SP6A ^{1, 2} , 5.10 SP2A ² , 5.10 SP5 ² , 5.10 SP6	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP	PowerPath: 2.1.0, 2.1.1
2	Novell Network: 5.00 SP6A ^{1, 2} , 5.10 SP2A ² , 5.10 SP5 ² , 5.10 SP6, 6.0 SP1^{2, 3}, 6.0 SP2^{2, 3}, 6.0 SP3³, 6.5^{3, 4}	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP	PowerPath 3.0.1

- Requires NWPA.NLM V.3.07A update from Novell website.

- Maximum number of NWFS volumes that can be mounted is 64.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.

Red Hat Linux

Red Hat Linux			
No.	Operating System	Host Bus Adapter	Application Software
1	Red Hat Linux 2.1 Advanced Server v2.4.9-e.24 ^{2,3}	Emulex LP9002-E (LP9002L-E) ¹²	PowerPath 3.0.3 b065 ^{8, 15}
2	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16, v2.4.9-e.24 ² , v2.4.9-e.25 ^{2,3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ² , v2.4.9-e.25 ^{2,3}	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	PowerPath 3.0.2 b069
3	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.25 ^{2,3} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{2,3} , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ¹² ; QLogic: QLA2310F-E-SP ^{5,6,7} , QLA2340-E-SP ^{5,6} , QLA2342-E-SP ^{4,5,6,7}	PowerPath 3.0.3 b065 ⁸
4	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ² , v2.4.9-e.27	Emulex: LP9002DC-E ^{4,7,10,11,12,13} , LP9802DC-E ^{7,10,12,13} , LP982-E ^{4,7,10,11,13,14}	PowerPath 3.0.3 b065
5	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{7,10,11,12,13}	PowerPath 3.0.3 b065
6	Red Hat Linux 2.1: Advanced Server v2.4.9-e.25 ^{2,3} , ES v2.4.9-e.25 ^{2,3}	QLogic QLA2200F-EMC ^{5,7,9}	PowerPath 3.0.3 b065 ⁸
7	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex: LP10000-E ^{4,7,10,11,12} , LP10000DC-E ^{4,7,10,11,12} , LP1050-E ^{4,7,10,11,12,13} , LP1050DC-E ^{4,7,10,11,12,13}	PowerPath 3.0.3 b065
8	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F-EMC ^{7,9}	PowerPath 3.0.3 b065 ⁸

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- PowerPath Base is supported on the FC4500 and CX200 only.
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- Host must be offline for interfamily Symmetrix microcode upgrade.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- CLARiiON and Symmetrix can co-exist in the SAN with the same server.**

SuSE Linux

SuSE Linux			
No.	Operating System	Host Bus Adapter	Application Software
1	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1,2}	Emulex: LP10000-E ^{3,4,5,6} , LP10000DC-E ^{3,4,5,6} , LP1050-E ^{3,4,5,6,10,12} , LP1050DC-E ^{3,4,5,6,10,12} , LP9002-E (LP9002L-E) ^{3,4,5,6,9} , LP9002DC-E ^{3,4,5,6,8} , LP9802-E ^{3,4,5,6} , LP9802DC-E ^{3,4,5,6,8} , LP982-E ^{3,4,5,6,10,11}	PowerPath 3.0.4 b012 ⁷

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- Single HBA zoning is required regardless of the switch being utilized.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- PowerPath 3.0.3 b065 needs to be installed with the RPM "--noscripts" option prior to installing PowerPath 3.0.4 b012.
- Use the boot option "acpi=oldboot" in SuSE SLES8 SMP configurations with the LP9802DC-E and LP9002DC-E adapters
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Host must be offline for interfamily Symmetrix microcode upgrade.**
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**

Sun Solaris

Sun Solaris			
No.	Operating System	Host Bus Adapter	Application Software
1	Sun Solaris 2.6	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002S-E; JNI: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E; QLogic QLA2200F-EMC	PowerPath 3.0.2
2	Sun Solaris 2.6	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002S-E; JNI: FC64-1063-EMC⁴ , FCE-1063-E, FCE2-1063-E; QLogic QLA2200F-EMC	PowerPath: 3.0.3, 3.0.4
3	Sun Solaris 2.6	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002S-E; JNI: FC64-1063-EMC ⁴ , FCE-1063-E ⁴ , FCE2-1063-E ⁴ ; QLogic QLA2200F-EMC	PowerPath 4.0.3 ³
4	Sun Solaris 2.6	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002S-E; JNI: FCE-1063-E ⁴ , FCE2-1063-E ⁴ ; QLogic QLA2200F-EMC	PowerPath: 4.0.0 ^{2,3} , 4.0.1 ³ , 4.0.2 ³
5	Sun Solaris 2.6	JNI FC64-1063-EMC⁴	PowerPath: 4.0.0, 4.0.1, 4.0.2

Sun Solaris			
No.	Operating System	Host Bus Adapter	Application Software
6	Sun Solaris 7	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9002S-E, LP9802-E; JNI: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLLogic: QLA2200F-EMC, QLA2202FS-E, QLA2340-E-SP, QLA2342-E-SP	PowerPath: 3.0.2, 3.0.3, 3.0.4
7	Sun Solaris 7	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9002S-E, LP9802-E; JNI: FC64-1063-EMC ⁴ , FCE-1063-E ⁴ , FCE2-1063-E ⁴ , FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLLogic: QLA2200F-EMC, QLA2202FS-E, QLA2340-E-SP, QLA2342-E-SP	PowerPath 4.0.3 ³
8	Sun Solaris 7	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9002S-E, LP9802-E; JNI: FCE-1063-E ⁴ , FCE2-1063-E ⁴ , FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLLogic: QLA2200F-EMC, QLA2202FS-E, QLA2340-E-SP, QLA2342-E-SP	PowerPath: 4.0.0 ^{2,3} , 4.0.1 ³ , 4.0.2 ³
9	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; JNI: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2202FS-E, QLA2340-E-SP, QLA2342-E-SP	PowerPath: 3.0.3, 3.0.4
10	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; JNI: FC64-1063-EMC , FCE-1063-E ⁴ , FCE2-1063-E ⁴ , FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2202FS-E, QLA2340-E-SP, QLA2342-E-SP	PowerPath: 4.0.0 ^{2,3} , 4.0.1 ³
11	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; JNI: FC64-1063-EMC ⁴ , FCE-1063-E ⁴ , FCE2-1063-E ⁴ , FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2202FS-E, QLA2340-E-SP, QLA2342-E-SP	PowerPath 4.0.2 ³
12	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; JNI: FC64-1063-EMC ⁴ , FCE-1063-E ⁴ , FCE2-1063-E ⁴ , FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2202FS-E, QLA2340-E-SP, QLA2342-E-SP; Sun: X6767A (SG-XPCI1FC-QF2), X6768A (SG-XPCI2FC-QF2)	PowerPath 4.0.3 ³
13	Sun Solaris 8	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E; JNI: FC64-1063-EMC, FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2202FS-E, QLA2340-E-SP , QLA2342-E-SP	PowerPath 3.0.2
14	Sun Solaris 9	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; JNI: FCE-1063-E, FCE2-1063-E, FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2202FS-E, QLA2340-E-SP, QLA2342-E-SP	PowerPath: 3.0.3, 3.0.4
15	Sun Solaris 9	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; JNI: FCE-1063-E ⁴ , FCE2-1063-E ⁴ , FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2202FS-E, QLA2340-E-SP, QLA2342-E-SP	PowerPath: 4.0.0 ^{2,3} , 4.0.1 ³ , 4.0.2 ³
16	Sun Solaris 9	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; JNI: FCE-1063-E ⁴ , FCE2-1063-E ⁴ , FCE2-1473-E, FCE2-6412-E, FCX2-6562-E; QLLogic: QCP2202F-E, QLA2200F-EMC, QLA2202FS-E, QLA2340-E-SP, QLA2342-E-SP; Sun: X6767A (SG-XPCI1FC-QF2), X6768A (SG-XPCI2FC-QF2)	PowerPath 4.0.3 ³

1. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
2. Pending final general availability dates.
3. The Volume Manager component of PowerPath 4.x is not currently supported with Sun SunCluster products.
4. PowerPath Volume Manager not currently supported with this HBA model.

Fibre Bit Settings

5669 Settings

There are no specific director bit settings required for iSCSI except the VCM bit with the following condition: VCM bit is required to enable Volume Logix functionality and for Challenge Handshake Authentication Protocol (CHAP).

No.	Operating Environment	Bits to Set	Comments
1	AS/400 2105 External Emulation, AS/400 2105 External Emulation ³	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S), Avoid Reset Broadcast (ARB), Enable Volume Set Addressing (V), Unique World Wide Name (UWN)	
2	Base Settings: 5669 FC-AL	Enable Auto Negotiation (EAN) ^{1,2} , Unique World Wide Name (UWN)	
3	Base Settings: 5669 FC-SW, Linux, Linux ¹⁷	Enable Auto Negotiation (EAN) ¹ , Enable Point-to-point (PP), Unique World Wide Name (UWN)	
4	Base Settings: 5669 Heterogeneous FA Port Sharing	Common Serial Number (C) ²⁶ , Enable Point-to-point (PP), SCSI 3 (SC3), Unique World Wide Name (UWN)	See ^{33,34}
5	Base Settings: 5669 Volume Logix, Linux Volume Logix, Linux Volume Logix ¹⁷	Enable Fibrepath on this Port (VCM)	
6	BULL Escala / AIX	Disable Queue Reset on Unit Attention (D) ^{4,5}	
7	Data General AViiON NUMA 25000	Disable Queue Reset on Unit Attention (D)	

No.	Operating Environment	Bits to Set	Comments
8	EMC Celerra	Avoid Reset Broadcast (ARB)	
9	FSC BS2000 / OSD servers	Common Serial Number (C), Disable Queue Reset on Unit Attention (D), Enable Point-to-point (PP), Unique World Wide Name (UWN)	
10	FSC PRIMEPOWER (GP7000F) Series Host, FSC PRIMEPOWER (GP7000F) Series Host²⁵	Common Serial Number (C) ¹³ , Disable Queue Reset on Unit Attention (D) ^{4, 5}	
11	FSC Reliant UNIX RM Series	Disable Queue Reset on Unit Attention (D), Enable Siemens Hosts Rm/400 – Rm/600 (S), Environment Reports to Host (E)	
12	Fujitsu Services (ICL) Open VME, Fujitsu Services (ICL) Open VME ¹⁶	Common Serial Number (C)	
13	HP / DEC Alpha Server (Tru64 UNIX V5.x), HP / DEC Alpha Server (Tru64 UNIX V5.x) ⁶ , HP / DEC Alpha Server (Tru64 UNIX V5.x)⁷ , HP / DEC Alpha Server (Tru64 UNIX V5.x) ⁸	Open VMS (OVMS)	
14	HP / DEC OpenVMS, HP / DEC OpenVMS ¹¹ , HP / DEC OpenVMS ¹² , HP / DEC OpenVMS ⁹ , HP / DEC OpenVMS ¹⁰	Open VMS (OVMS), SCSI 3 (SC3)	
15	HP-UX, HP-UX ¹⁴	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁵ , Common Serial Number (C), Enable Volume Set Addressing (V)	
16	IBM AIX with EMC Fibre Channel Interface	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁵ , Disable Queue Reset on Unit Attention (D) ^{4, 5}	
17	IBM AIX with FC 6227, 6228, 6239	Disable Queue Reset on Unit Attention (D) ^{4, 5} , SCSI 3 (SC3)	
18	Linux	Common Serial Number (C)²⁶, Enable Fibrepath on the Port (VCM)³⁶, Enable Hard Addressing (H), Tagged Command (T), Unique World Wide Name (UWN)	
19	Linux, Linux ¹⁷	Enable Auto Negotiation (EAN) ¹ , Unique World Wide Name (UWN)	
20	NCR MPRAS / Windows NT, NCR MPRAS / Windows NT ¹⁸ , NCR MPRAS / Windows NT ²¹	Disable Queue Reset on Unit Attention (D) ¹⁹ , Environment Reports to Host (E) ²⁰	
21	Novell Netware, Novell Netware ²² , Novell Netware ^{22, 23} , Novell Netware ²³ , Novell Netware ^{23, 25}	Disable Queue Reset on Unit Attention (D) ²⁴	
22	Sequent NUMA-Q (DYNIX/ptx 4.4.x & 4.5.x)	Common Serial Number (C), Enable Volume Set Addressing (V), Environment Reports to Host (E), Sequent Host (SEQ)	
23	Sequent NUMA-Q (DYNIX/ptx 4.5.x direct connect)	Common Serial Number (C), Environment Reports to Host (E), Sequent Host (SEQ)	
24	Sun	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁵ , Common Serial Number (C) ^{13, 29, 30, 31} , Disable Queue Reset on Unit Attention (D) ^{4, 5, 13, 30, 31} , Enable Sunapee (SCL) ³¹	
25	VERITAS Cluster Server (VCS), EMC GeoSpan for VCS	Common Serial Number (C) ¹³ , Disable Queue Reset on Unit Attention (D) ³²	
26	Windows NT / 2000, Windows NT / 2000 ¹⁸	AS/400 Secondary Port (Used from UNIX host to view AS/400 devices.) (A4S) ¹⁵ , Common Serial Number (C) ²⁶ , Disable Queue Reset on Unit Attention (D) ^{4, 5} , Enable Auto Negotiation (EAN), Enable Fibrepath on the Port (VCM) ²⁷ , Enable Volume Set Addressing (V) ²⁸ , Unique World Wide Name (UWN)	

- EAN bit set for 2 Gb FA support.
- Direct connect only, no hubs.
- Subject to IBMs limitations per host model.
- Sites with PowerPath 2.0 or later already running with the D-bit enabled do not require the D-bit to be disabled.
- D Bit required with PowerPath 1.5.x or earlier.
- Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).**
- Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).**
- Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).
- Open VMS 7.3 FC-SW requires console firmware 5.6 or later and patch VMS73_update-V0100 or patch VMS73_fibre_SCSI-V0200.
- Open VMS 7.2-2 FC-SW requires console firmware 5.6 or later and patch VMS722_fibre_SCSI-V0100.
- OpenVMS 7.2-1, 7.2-1H1 FC-SW requires console firmware 5.6 or later and patch VMS721_fibre_SCSI-V0400. Available from <http://ftp1.support.compaq.com/public/>
- Open VMS 7.1-2 requires console firmware 5.6 or later and patch VMS712_SCSI-V0300.
- C + D Bits with Veritas DMP.
- For HP-UX systems only:LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
- A4S bit when sharing AS/400 drives on this port (direct connect only).
- Requires OV/K/0041.3
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- D Bit for multiple vendor platforms; if only NCR hosts, set IMPL flag A010.
- E Bit: if Windows NT OS is used with TNT, set the FBA Environmental Sense key to 4, else set it to 6.
- Limited support available for MPARS 3.01.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
- Maximum number of NWFS volumes that can be mounted is 64.
- D Bit with Cluster.
- Requires NWPA.NLM V.3.07A update from Novell website.
- C Bit required for VERITAS VxVM DMP functionality.
- VCM for VCM configurations only
- Set bit for HP (e.g.: D8602A, D8602B / Agilent (e.g.: HHBA-5101B, HHBA-5101C) controllers only.
- C Bit with Sun Cluster 3.0.
- Enabling the D-bit for DMP is recommended but not required for VxVM 3.1 and higher. The D-bit is not required for VxVM 3.1 and higher.
- C + D + SCL Bits with SUN Cluster 1.x, 2.x.
- D Bit is not required for VCS 2.0 or later.
- These settings refer to the configuration in the Switch section (see FA Port Sharing column) Note: operating environments that have required director bit settings other than these are not supported.
- Note: With the introduction of EMC Solution Enabler 5.0, FA ports need not use the 'Heterogeneous FA Port Sharing' flags. Instead, users can use the CLI function 'Heterogeneous Host Configuration' to set the director flags for each initiator.
- FSC requires that all patches for Solaris 9 be obtained through FSC in the form of a Solaris 9 PTF patch CD. The current patch CD is Solaris 9 PTF R03111.**
- VCM for Volume Logix configurations only

5670 Settings

There are no specific director bit settings required for iSCSI except the VCM bit with the following condition: VCM bit is required to enable Volume Logix functionality and for Challenge Handshake Authentication Protocol (CHAP).

No.	Operating Environment	Bits to Set	Comments
1			
2	AS/400 2105 external emulation ²⁶	AS/400 Ports Only (AS4), Avoid Reset Broadcast (ARB), Enable Volume Set Addressing (V)	See ²⁶
3	Base Settings: 5670 FC-AL	Enable Auto Negotiation (EAN) ^{27, 28} , Unique World Wide Name (UWN)	
4	Base Settings: 5670 FC-SW	Enable Auto Negotiation (EAN) ²⁷ , Enable Point-to-point (PP), Unique World Wide Name (UWN)	
5	BULL Escala AIX	Disable Queue Reset on Unit Attention (D) ^{7, 8}	
6	DG AviiON NUMA 25000	Disable Queue Reset on Unit Attention (D)	
7	EMC Celera	Avoid Reset Broadcast (ARB)	
8	FSC BS2000/OSD	Common Serial Number (C), Disable Queue Reset on Unit Attention (D)	
9	FSC PRIMEPOWER (GP7000F) Series Host	Common Serial Number (C) ⁹ , Disable Queue Reset on Unit Attention (D) ^{7, 8}	
10	FSC Reliant UNIX RM Series	Disable Queue Reset on Unit Attention (D), Environment Reports to Host (E), Soft Reset (S)	
11	Fujitsu Services ICL Open VME ²⁰	Common Serial Number (C)	
12	Heterogeneous FA Port Sharing	Common Serial Number (C) ⁶ , SCSI 3 (SC3)	
13	HP / DEC VMS, HP / DEC VMS ³¹ , HP / DEC VMS ³² , HP / DEC VMS ³³ , HP / DEC VMS ³⁴	Open VMS (OVMS), SCSI 3 (SC3)	
14	HP Tru64 UNIX V5.x, HP Tru64 UNIX V5.x ²¹ , HP Tru64 UNIX V5.x²² , HP Tru64 UNIX V5.x ²³ , HP Tru64 UNIX V5.x ²⁴ , HP Tru64 UNIX V5.x ²⁵	Open VMS (OVMS)	
15	HP-UX, HP-UX ²⁹ , HP-UX ³⁰	Common Serial Number (C), Enable Volume Set Addressing (V)	
16	IBM AIX with EMC Fibre Channel Interface for AIX Platform ¹⁹	AS/400 Ports Only (AS4) ³ , Disable Queue Reset on Unit Attention (D) ^{7, 8}	
17	IBM AIX with FC 6227, 6228, 6239	Disable Queue Reset on Unit Attention (D) ^{7, 8} , SCSI 3 (SC3)	
18	NCR MPRAS / Windows NT, NCR MPRAS / Windows NT ² , NCR MPRAS / Windows NT ¹⁴	Disable Queue Reset on Unit Attention (D) ¹ , Environment Reports to Host (E) ¹³	
19	Novell Netware ^{15, 16} , Novell Netware ¹⁶ , Novell Netware ^{16, 18}	Disable Queue Reset on Unit Attention (D) ¹⁷	
20	Sun	Common Serial Number (C) ^{9, 11, 12} , Disable Queue Reset on Unit Attention (D) ^{7, 8, 9, 11, 12} , Enable Sunapee (SCL) ¹²	
21	Veritas Cluster Server (VCS)	Common Serial Number (C) ⁹ , Disable Queue Reset on Unit Attention (D) ¹⁰	
22	Windows NT / 2000 , Windows NT / 2000 ¹ , Windows NT / 2000 ^{1, 2} , Windows NT / 2000²	AS/400 Ports Only (AS4) ³ , Common Serial Number (C) ⁶ , Disable Queue Reset on Unit Attention (D) ^{7, 8} , Enable Auto Negotiation (EAN), Enable Fibrepath on the Port (VCM) ⁴ , Enable Volume Set Addressing (V) ⁵ , Unique World Wide Name (UWN)	

- D Bit for multiple vendor platforms; if only NCR hosts, set IMPL flag A010.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- A4S bit when sharing AS/400 drives on this port (direct connect only).
- VCM for VCM configurations only
- Set bit for HP (e.g.: D8602A, D8602B / Agilent (e.g.: HHBA-5101B, HHBA-5101C) controllers only.
- C Bit required for VERITAS VxVM DMP functionality.
- Sites with PowerPath 2.0 or later already running with the D-bit enabled do not require the D-bit to be disabled.
- D Bit required with PowerPath 1.5.x or earlier.
- C + D Bits with Veritas DMP.
- D Bit is not required for VCS 2.0 or later.
- C Bit with Sun Cluster 3.0.
- C + D + SCL Bits with SUN Cluster 1.x, 2.x.
- E Bit: if Windows NT OS is used with TNT, set the FBA Environmental Sense key to 4, else set it to 6.
- Limited support available for MPARS 3.01.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
- Maximum number of NWFS volumes that can be mounted is 64.
- D Bit with Cluster.
- Requires NWPA.NLM V.3.07A update from Novell website.
- No longer available
- Requires OV/K/0041.3
- Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).**
- Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).**
- Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).
- Tru64 V4.0G latest qualified Patch Kit 4 (T64V40GB22AS0004-20030731).**
- Tru64 V4.0F BL13 Patch Kit 2 may introduce problems with KZPBA adapters. Tru64 V4.0F latest qualified Patch Kit 8 (DUV40FB22AS0008-20030730).**
- Subject to IBM's limitations per host model.
- EAN bit set for 2 Gb FA support.
- Direct connect only, no hubs.
- For HP-UX systems only:LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
- Minimum microcode revision level 5670.23.25.
5568 and 5669 are on a RPK basis at this time.
- Open VMS 7.3 FC-SW requires console firmware 5.6 or later and patch VMS73_update-V0100 or patch VMS73_fibre_SCSI-V0200.
- Open VMS 7.2-2 FC-SW requires console firmware 5.6 or later and patch VMS722_fibre_SCSI-V0100.

33. OpenVMS 7.2-1, 7.2-1H1 FC-SW requires console firmware 5.6 or later and patch VMS721_fibre_SCSI-V0400. Available from <http://ftp1.support.compaq.com/public/>
34. Open VMS 7.1-2 requires console firmware 5.6 or later and patch VMS712_SCSI-V0300.

Symmetrix Geographically Dispersed Cluster

Generic None

Generic None								
No.	Dispersed Cluster	Cluster Software	Max # Nodes	Host System	Topology	Maximum Distance	Application Software	Comments
1	EMC GeoSpan 1.2 ⁹	Microsoft MSCS ^{2,3,4,5,6,7}	4		FC-SW	200 km ^{2,3}	EMC: Solutions Enabler 4.2, WideSky Solutions Enabler 5.1 minimum; SRDF; SymAPI; SymCLI	See ^{6,8}
2	EMC GeoSpan 1.2 ⁹	Microsoft MSCS ^{2,3,4,5,6,7}	4	DG AViiON: AV1400, AV2300, AV2800, AV3700, AV3704, AV3704R, AV3800, AV8950; Dell PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ¹² , 2600, 2650, 4400, 4600, 6100, 6300, 6350, 6400, 6600, 6650, 8450; Fujitsu Siemens Primergy: B210, C200, E200, F200, F250 ¹³ , H250 ¹³ , H400, H450, K400, L200, N200, N400, N800, P200, P250, R450, RX100, RX200, RX300, T850, TX200, TX300; HPQ Netserver LC: 2000 U3, 2000r; HPQ Netserver LH: 3000, 4, 6000; HPQ Netserver: LP 2000r, LXR 8000, LXR 8500; HPQ Proliant: 3000 ¹⁰ , 6000 ^{10,11} , 6400R ¹⁰ , 7000 ^{10,11} , 8000 ^{10,11} , BL40p, DL320 ¹⁰ , DL360(G2) ¹⁰ , DL360(G3), DL360 ¹⁰ , DL740, DL760 (G2), DL760 ¹⁰ , ML350(G2) ¹⁰ , ML350(G3), ML350 ¹⁰ , ML370(G2), ML370(G3), ML370 ¹⁰ , ML530(G2) ¹⁰ , ML530 ¹⁰ , ML570(G2), ML570 ¹⁰ , ML750 ¹⁰ ; IBM xSeries: X330, X335, X340 (4500R), X342, x235, x240, x250, x255, x345, x350 (6000R), x360, x370, x440; NEC Express 5800: 120Rd-2, 140Hb, 140Ra-4, 140Ra-7, 140Rb-4, 180Ha, 180Rb-7, 180Rc-4; Unisys: ES2024, ES2025, ES2043, ES2045, ES2085, ES5024, ES5043, ES5044, ES5045, ES5085, ES7000/100, ES7000/200, ES7000/230, ES7000/520, ES7000/530, ES7000/540	FC-SW	200 km ^{2,3}	EMC: Solutions Enabler 4.2, WideSky Solutions Enabler 5.1 minimum; SRDF; SymAPI; SymCLI	See ^{6,8}
3	EMC GeoSpan: 1.1 (for MSCS), 1.2.1 ⁹ , 1.2.3 ^{9,14}	Microsoft MSCS ^{2,3,4,5,6,7}	4		FC-SW	200 km ²	EMC: Solutions Enabler 4.2, WideSky Solutions Enabler 5.1 minimum; SRDF; SymAPI; SymCLI	See ¹
4	EMC GeoSpan: 1.1 (for MSCS), 1.2.1 ⁹ , 1.2.3 ^{9,14}	Microsoft MSCS ^{2,3,4,5,6,7}	4	DG AViiON: AV1400, AV2300, AV2800, AV3700, AV3704, AV3704R, AV3800, AV8950; Dell PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ¹² , 2600, 2650, 4400, 4600, 6100, 6300, 6350, 6400, 6600, 6650, 8450; Fujitsu Siemens Primergy: B210, C200, E200, F200, F250 ¹³ , H250 ¹³ , H400, H450, K400, L200, N200, N400, N800, P200, P250, R450, RX100, RX200, RX300, T850, TX200, TX300; HPQ Netserver LC: 2000 U3, 2000r; HPQ Netserver LH: 3000, 4, 6000; HPQ Netserver: LP 2000r, LXR 8000, LXR 8500; HPQ Proliant: 3000 ¹⁰ , 6000 ^{10,11} , 6400R ¹⁰ , 7000 ^{10,11} , 8000 ^{10,11} , BL40p, DL320 ¹⁰ , DL360(G2) ¹⁰ , DL360(G3), DL360 ¹⁰ , DL740, DL760 (G2), DL760 ¹⁰ , ML350(G2) ¹⁰ , ML350(G3), ML350 ¹⁰ , ML370(G2), ML370(G3), ML370 ¹⁰ , ML530(G2) ¹⁰ , ML530 ¹⁰ , ML570(G2), ML570 ¹⁰ , ML750 ¹⁰ ; IBM xSeries: X330, X335, X340 (4500R), X342, x235, x240, x250, x255, x345, x350 (6000R), x360, x370, x440; NEC Express 5800: 120Rd-2, 140Hb, 140Ra-4, 140Ra-7, 140Rb-4, 180Ha, 180Rb-7, 180Rc-4; Unisys: ES2024, ES2025, ES2043, ES2045, ES2085, ES5024, ES5043, ES5044, ES5045, ES5085, ES7000/100, ES7000/200, ES7000/230, ES7000/520, ES7000/530, ES7000/540	FC-SW	200 km ²	EMC: Solutions Enabler 4.2, WideSky Solutions Enabler 5.1 minimum; SRDF; SymAPI; SymCLI	See ¹

- For Symmetrix 8000 series: 5x66/ 5x67 patch 12160 OR minimum code levels 5267.24, 5567.31, 5266.39, or 5566.40.
- Nortel Optera Metro 5200 VLAN.
- VLAN Nortel BGS switches with 200 km single mode fiber spool using one of the wavelengths of a Cisco ADVA DWDM configuration.
- EMC recommends a minimum of 1GB RAM for servers in clusters. EMC requires that servers have a minimum of 512MB or RAM.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- MSCS 1.0 supported Host platforms supported
- Refer to Microsoft Windows Cluster table for information on supported host servers and qualified HBAs
- See Fibre Channel SRDF Connectivity Options table & Extended Distance Connectivity Devices table.
- Requires minimum microcode level of 5669.45.24 for Symmetrix DMX storage arrays.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Includes both Pentium PRO and XEON models
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- Must use standard PCI 32bit/33MHz slot for SCSI
- Upgrading Geospan servers from Windows 2000 to Windows 2003 is supported. EMC requires that Powerpath be uninstalled from Windows 2000 server before performing OS upgrade to Windows 2003 to prevent upgrade failures.

HPQ HP-UX

HPQ HP-UX									
No.	Dispersed Cluster	Cluster Software	Max # Nodes	Operating System	Topology	Maximum Distance	Application Software	Comments	
1	HPQ Continental Cluster A.03.00	HPQ MC/Service Guard 11.09 ^{9, 10}	16	HPQ HP-UX 11.0: 990P ^{3, 8} , ACE ^{3, 8} , June 2001 ^{3, 8} , Sept 2001 ^{3, 7, 8} , HPQ HP-UX 11.0 ^{3, 8}	FC-SW ⁴	50 km ¹¹	EMC Solutions Enabler 4.2 ^{4, 5, 6}		
2	HPQ Continental Cluster: A.03.02, A.03.03; HPQ MetroCluster: A.02.00, A.04.xx	HPQ MC/Service Guard: 11.13 ^{9, 10} , 11.14 ^{9, 10}	16	HPQ HP-UX 11.0: 990P ^{3, 8} , ACE ^{3, 8} , June 2001 ^{3, 8} , March 2002 ^{3, 8} , Sept 2001 ^{3, 7, 8} ; HPQ HP-UX: 11.0 ^{3, 8} , 11i v1.0 (HP-UX 11.11) Feb 2001 CD ^{3, 8, 15} , 11i v1.0 (HP-UX 11.11) June 2001 ^{3, 8} , 11i v1.0 (HP-UX 11.11) March 2002 ^{3, 8} , 11i v1.0 (HP-UX 11.11) Sept 2001 ^{3, 7, 8} , 11i v1.0 (HP-UX 11.11) ^{3, 8, 15}	FC-SW	50 km ¹¹	EMC Solutions Enabler 4.2 ^{4, 6}	See ^{4, 14}	
3	HPQ MetroCluster: A.02.00, A.04.xx	HPQ MC/Service Guard 11.09 ^{9, 10}	16 ⁴	HPQ HP-UX 11.0: 990P ^{3, 8} , ACE ^{3, 8} , June 2001 ³ , Sept 2001 ^{3, 7, 8} ; HPQ HP-UX 11.0 ^{3, 8}	FC-SW ⁴	60 km	EMC Solutions Enabler 4.2 ^{4, 12, 13}		
4	Legato Automated Availability for EMC SRDF 4.7	Legato LAAM (Legato Cluster): 4.7, 4.8	8	HPQ HP-UX 11.0 ^{2, 3}	FC-SW	60 km	EMC Solutions Enabler 4.2 ²	See ¹	
5	Legato Automated Availability for EMC SRDF 5.0 5.0 ¹⁷	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{17, 18}	8	HPQ HP-UX 11.0 ³	FC-SW ¹⁹	200 km	EMC Solutions Enabler 5.0.1	See ^{13, 16}	

- See Fibre Channel SRDF Connectivity Options table in Fibre Channel SRDF Connectivity section and Fibre Channel Extended Distance Solutions table in Distance Extension Solutions section.
- See Legato User Guide Section G: EMC/SRDF Module (<http://www.legato.com>).
- For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
- See HP Release Notes for further details (<http://docs.hp.com>)
- Synch. mode only 1 Hop
- Synch. or Asynch. 2 Hop
- Symmetrix microcode supported: 5266.40.28 or higher, 5566.41.28 or higher, 5267.27.19 or higher, 5567.34.19 or higher.
- Refer to the HP Release Notes for restrictions.
- Refer to MC/Service Guard Release Notes at www.docs.hp.com for patch requirements.
- Can mix HP-UX 11.00 and HP-UX 11i in same cluster, all nodes must be MC/SG 11.09, 11.13 or later.
- (1 Hop)/ Unlimited (2 Hop)
- VLAN Nortel BGS switches with 200 km single mode fiber spool using one of the wavelengths of a Cisco ADVA DWDM configuration.
- Synch. mode only
- Multi-Hop
- Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher.
- Asynch. mode requires RPQ.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.
- Maximum 8 nodes in the topology

IBM AIX

IBM AIX									
No.	Dispersed Cluster	Cluster Software	Max # Nodes	Operating System	Topology	Maximum Distance	Application Software	Comments	
1	Legato Automated Availability for EMC SRDF 4.8.1	Legato LAAM (Legato Cluster) 4.8.1	8	IBM AIX 4.3.3 ^{5, 6, 7}	FC-SW	60 km	EMC Solutions Enabler 4.2 ^{2, 3, 4}	See ¹	
2	Legato Automated Availability for EMC SRDF 5.0 5.0 ⁹	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{9, 10}	8	IBM AIX 5.1	FC-SW ⁸	200 km	EMC Solutions Enabler 5.0.1	See ^{3, 4}	

- See Fibre Channel SRDF Connectivity Options table in Fibre Channel SRDF Connectivity section and Fibre Channel Extended Distance Solutions table in Distance Extension Solutions section.
- See Legato User Guide Section G: EMC/SRDF Module (<http://www.legato.com>).
- Synch. mode only
- Asynch. mode requires RPQ.
- SymmSockets HeartBeat not supported at this time.
- Update 6.
- Minimum SymmAPI 4.3
- Maximum 8 nodes in the topology
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.

Microsoft Windows 2000

Microsoft Windows 2000									
No.	Dispersed Cluster	Cluster Software	Max # Nodes	Host System	Operating System	Topology	Maximum Distance	Application Software	Comments
1	EMC GeoSpan 1.2.3 ^{11, 14}	Microsoft MSCS ¹³	2		Microsoft Windows 2000 Advanced Server: SP2 ⁴ , SP3 ⁴ , SP4 ⁴ ; Microsoft Windows 2000 Datacenter: SP2 ⁴ , SP3 ⁴ , SP4 ⁴ ; Microsoft Windows 2000 Server: SP2 ⁴ , SP3 ⁴ , SP4 ⁴	FC-SW	200 km ^{15, 16}	EMC Solutions Enabler 4.2 ^{17, 18} , SRDF; SymAPI; SymCLI	See ³
2	EMC GeoSpan 1.2.3 ¹⁴	Microsoft MSCS ¹³	2		Microsoft Windows 2000 Advanced Server: SP2 ⁴ , SP3 ⁴ , SP4 ⁴ ; Microsoft Windows 2000 Datacenter: SP2 ⁴ , SP3 ⁴ , SP4 ⁴ ; Microsoft Windows 2000 Server: SP2 ⁴ , SP3 ⁴ , SP4 ⁴	FC-SW	200 km ^{15, 16}	EMC WideSky Solutions Enabler 5.1 minimum ^{11, 12}	See ³

Microsoft Windows 2000									
No.	Dispersed Cluster	Cluster Software	Max # Nodes	Host System	Operating System	Topology	Maximum Distance	Application Software	Comments
3	EMC GeoSpan: 1.2.1 ^{11, 14} , 1.2.1 ^{11, 14}	Microsoft MSCS ¹³	2		Microsoft Windows 2000 Advanced Server: SP2 ⁴ , SP3 ⁴ , SP4 ⁴ ; Microsoft Windows 2000 Datacenter: SP2 ⁴ , SP3 ⁴ , SP4 ⁴ ; Microsoft Windows 2000 Server: SP2 ⁴ , SP3 ⁴ , SP4 ⁴	FC-SW	200 km ^{15, 16}	EMC: Solutions Enabler 4.2 ^{17, 18} , WideSky Solutions Enabler 5.1 minimum ^{11, 12} , SRDF: SymAPI; SymCLI	See ³
4	Legato Automated Availability for EMC SRDF 4.8.1	Legato LAAM (Legato Cluster) 4.8.1	8		Microsoft Windows 2000 Advanced Server: SP2 ⁴ , SP4 ⁴	FC-SW	60 km	EMC Solutions Enabler 4.2 ^{5, 6, 7}	See ^{1, 2, 3}
5	Legato Automated Availability for EMC SRDF 4.8.1	Legato LAAM (Legato Cluster) 4.8.1	8	IBM xSeries x440	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , SP4 ⁴	FC-SW	60 km	EMC Solutions Enabler 4.2 ^{5, 6, 7}	See ^{1, 2, 3}
6	Legato Automated Availability for EMC SRDF 5.0 5.0 ¹⁰	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{9, 10}	8		Microsoft Windows 2000 Advanced Server: SP2 ⁴ , SP4 ⁴	FC-SW ⁸	200 km	EMC Solutions Enabler 5.0.1	See ^{6, 7}
7	Legato Automated Availability for EMC SRDF 5.0 5.0 ¹⁰	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{9, 10}	8	IBM xSeries x440	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , SP4 ⁴	FC-SW ⁸	200 km	EMC Solutions Enabler 5.0.1	See ^{6, 7}

- See Fibre Channel SRDF Connectivity Options table & Extended Distance Connectivity Devices table.
- See Fibre Channel Connectivity Symmetrix.
- Refer to Microsoft Windows Cluster table for information on supported host servers and qualified HBAs
- EMC recommends that HBAs of different vendors not be used in the same host server.
- See Legato User Guide Section G: EMC/SRDF Module (<http://www.legato.com>).
- Synch. mode only
- Asynch. mode requires RPQ.
- Maximum 8 nodes in the topology
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.
- LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12
- Requires minimum microcode level of 5669.45.24 for Symmetrix DMX storage arrays.
- For Symmetrix DMX series, minimum supported Widesky Solutions Enabler version is 5.1.
- EMC recommends a minimum of 1GB RAM for servers in clusters. EMC requires that servers have a minimum of 512MB or RAM.
- Upgrading Geospan servers from Windows 2000 to Windows 2003 is supported. EMC requires that Powerpath be uninstalled from Windows 2000 server before performing OS upgrade to Windows 2003 to prevent upgrade failures.
- VLAN Nortel BGS switches with 200 km single mode fiber spool using one of the wavelengths of a Cisco ADVA DWDM configuration.
- Nortel Optera Metro 5200 VLAN.
- For Symmetrix 8000 series: 5x66/ 5x67 patch 12160 OR minimum code levels 5267.24, 5567.31, 5266.39, or 5566.40.
- For Symmetrix 8000 series, minimum version of Solutions Enabler is 4.2. Symmetrix 8000 series also supports Widesky Solutions Enabler at a minimum version of 5.1.

Microsoft Windows 2003

Microsoft Windows 2003								
No.	Dispersed Cluster	Cluster Software	Max # Nodes	Operating System	Topology	Maximum Distance	Application Software	Comments
1	EMC GeoSpan 1.2.3 ^{9, 10}	Microsoft MSCS ^{5, 6, 7}	4	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁴ , Standard Edition (Server) ⁴	FC-SW	200 km ^{2, 3}	EMC Solutions Enabler 4.2 ^{11, 12} ; SRDF: SymAPI; SymCLI	See ¹
2	EMC GeoSpan 1.2.3 ¹⁰	Microsoft MSCS ^{5, 6, 7}	4	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁴ , Standard Edition (Server) ⁴	FC-SW	200 km ^{2, 3}	EMC WideSky Solutions Enabler 5.1 minimum ^{8, 9}	See ¹
3	EMC GeoSpan: 1.2.1 ^{8, 10} , 1.2.3 ¹⁰	Microsoft MSCS ^{5, 6, 7}	4	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁴ , Standard Edition (Server) ⁴	FC-SW	200 km ^{2, 3}	EMC: Solutions Enabler 4.2 ^{11, 12} , WideSky Solutions Enabler 5.1 minimum ^{8, 9} ; SRDF: SymAPI; SymCLI	See ¹

- Refer to Microsoft Windows Cluster table for information on supported host servers and qualified HBAs
- VLAN Nortel BGS switches with 200 km single mode fiber spool using one of the wavelengths of a Cisco ADVA DWDM configuration.
- Nortel Optera Metro 5200 VLAN.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- EMC recommends a minimum of 1GB RAM for servers in clusters. EMC requires that servers have a minimum of 512MB or RAM.
- Majority Node Set quorum configurations by RPQ only.
- Maximum 8 nodes in the topology supported by RPQ only.
- Requires minimum microcode level of 5669.45.24 for Symmetrix DMX storage arrays.
- For Symmetrix DMX series, minimum supported Widesky Solutions Enabler version is 5.1.
- Upgrading Geospan servers from Windows 2000 to Windows 2003 is supported. EMC requires that Powerpath be uninstalled from Windows 2000 server before performing OS upgrade to Windows 2003 to prevent upgrade failures.
- For Symmetrix 8000 series: 5x66/ 5x67 patch 12160 OR minimum code levels 5267.24, 5567.31, 5266.39, or 5566.40.
- For Symmetrix 8000 series, minimum version of Solutions Enabler is 4.2. Symmetrix 8000 series also supports Widesky Solutions Enabler at a minimum version of 5.1.

Microsoft Windows NT

Microsoft Windows NT								
No.	Dispersed Cluster	Cluster Software	Max # Nodes	Operating System	Topology	Maximum Distance	Application Software	Comments
1	EMC GeoSpan 1.2.3 ^{5, 8}	Microsoft MSCS ⁷	2	Microsoft Windows NT 4.0 SP6A ⁴	FC-SW	200 km ^{2, 3}	EMC Solutions Enabler 4.2 ^{9, 10} ; SRDF: SymAPI; SymCLI	See ¹
2	EMC GeoSpan 1.2.3 ⁸	Microsoft MSCS ⁷	2	Microsoft Windows NT 4.0 SP6A ⁴	FC-SW	200 km ^{2, 3}	EMC WideSky Solutions Enabler 5.1 minimum ^{5, 6}	See ¹
3	EMC GeoSpan: 1.2.1 ^{5, 8} , 1.2.3 ⁸	Microsoft MSCS ⁷	2	Microsoft Windows NT 4.0 SP6A ⁴	FC-SW	200 km ^{2, 3}	EMC: Solutions Enabler 4.2 ^{9, 10} , WideSky Solutions Enabler 5.1 minimum ^{5, 6} ; SRDF: SymAPI; SymCLI	See ¹

1. Refer to Microsoft Windows Cluster table for information on supported host servers and qualified HBAs
2. VLAN Nortel BGS switches with 200 km single mode fiber spool using one of the wavelengths of a Cisco ADVA DWDM configuration.
3. Nortel Optera Metro 5200 VLAN.
4. EMC recommends that HBAs of different vendors not be used in the same host server.
5. Requires minimum microcode level of 5669.45.24 for Symmetrix DMX storage arrays.
6. For Symmetrix DMX series, minimum supported Widesky Solutions Enabler version is 5.1.
7. EMC recommends a minimum of 1GB RAM for servers in clusters. EMC requires that servers have a minimum of 512MB or RAM.
8. Upgrading Geospan servers from Windows 2000 to Windows 2003 is supported. EMC requires that Powerpath be uninstalled from Windows 2000 server before performing OS upgrade to Windows 2003 to prevent upgrade failures.
9. For Symmetrix 8000 series: 5x66/ 5x67 patch 12160 OR minimum code levels 5267.24, 5567.31, 5266.39, or 5566.40.
10. For Symmetrix 8000 series, minimum version of Solutions Enabler is 4.2. Symmetrix 8000 series also supports Widesky Solutions Enabler at a minimum version of 5.1.

Sun Solaris

Sun Solaris									
No.	Dispersed Cluster	Cluster Software	Max # Nodes	Host System	Operating System	Topology	Maximum Distance	Application Software	Comments
1	EMC GeoSpan 1.01 (for VCS Solaris)	Veritas Cluster Server (VCS) 1.3	8		Sun Solaris 7 ^{18, 19, 20}	FC-SW	60 km	EMC Solutions Enabler 4.2; SRDF ^{1, 11}	See ^{16, 17}
2	EMC GeoSpan 1.01 (for VCS Solaris)	Veritas Cluster Server (VCS) 1.3 ²¹	8		Sun Solaris: 2.6, 8 ^{18, 19, 20}	FC-SW	60 km	EMC Solutions Enabler 4.2; SRDF ¹¹	See ¹
3	EMC GeoSpan 1.01 (for VCS Solaris)	Veritas Cluster Server (VCS) 1.3 ²¹	8	Sun Netra 20	Sun Solaris 8 ^{18, 19, 20}	FC-SW	60 km	EMC Solutions Enabler 4.2; SRDF ¹¹	See ¹
4	EMC GeoSpan 1.01 (for VCS Solaris)	Veritas Cluster Server (VCS): 1.1.1 pstamp 1999101416, 1.1.2	8		Sun Solaris: 2.6, 7 ^{18, 19, 20}	FC-SW	60 km	EMC Solutions Enabler 4.2; SRDF ^{1, 11}	See ^{16, 17}
5	EMC GeoSpan 2.0 (for VCS)	Veritas Cluster Server (VCS) 1.3	8	Sun Netra 20	Sun Solaris 8	FC-SW	60 km	EMC Solutions Enabler 4.3.x; SRDF	See ^{22, 23}
6	EMC GeoSpan 2.0 (for VCS)	Veritas Cluster Server (VCS) 2.0	8		Sun Solaris 8	FC-SW	60 km	EMC WideSky Solutions Enabler 5.1 minimum	See ^{24, 25}
7	EMC GeoSpan 2.0 (for VCS)	Veritas Cluster Server (VCS) 3.5	8		Sun Solaris 9	FC-SW	60 km	EMC WideSky Solutions Enabler 5.1 minimum; SRDF	See ^{24, 25}
8	EMC GeoSpan 2.0 (for VCS)	Veritas Cluster Server (VCS): 1.3, 2.0	8		Sun Solaris: 2.6, 7, 8	FC-SW	60 km	EMC Solutions Enabler 4.3.x; SRDF	See ^{22, 23}
9	Integratus UHA Extensions for EMC V1.3.3 Build 227	Integratus UHA V1.3.3	8		Sun Solaris: 7 ^{2, 4, 5, 6, 8, 2, 4, 5, 6}	FC-SW	60 km	EMC Solutions Enabler 4.2 ⁷	See ¹
10	Legato Automated Availability for EMC SRDF 4.7	Legato LAAM (Legato Cluster) 4.07	8		Sun Solaris: 7 ^{2, 3, 8, 2, 3}	FC-SW	60 km	EMC Solutions Enabler 4.2, 11, 12	See ^{8, 9, 10}
11	Legato Automated Availability for EMC SRDF 4.7	Legato LAAM (Legato Cluster): 4.7, 4.8	8		Sun Solaris: 7 ^{2, 3, 8, 2, 3}	FC-SW	60 km	EMC Solutions Enabler 4.2 ²	See ¹
12	Legato Automated Availability for EMC SRDF 5.0 5.0 ¹⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base) ^{14, 15}	8		Sun Solaris: 7 ^{3, 8, 3}	FC-SW ¹³	200 km	EMC Solutions Enabler 5.0.1	See ^{11, 12}

1. See Fibre Channel SRDF Connectivity Options table in Fibre Channel SRDF Connectivity section and Fibre Channel Extended Distance Solutions table in Distance Extension Solutions section.
2. See Legato User Guide Section G: EMC/SRDF Module (<http://www.legato.com>).
3. Solaris 7 and 8 using QLogic HBA requires RPQ.
4. SymmSockets HeartBeat not supported at this time.
5. Automatic Failover not supported at this time.
6. Optional Mount Agent Script Change on mount failure to shutdown the host recommended.
7. See Release Notes (<http://www.integratus.com>) for details.
8. See Fibre Channel SRDF Connectivity Options table & Extended Distance Connectivity Devices table.
9. See Fibre Channel Connectivity Symmetrix.
10. See HP Cluster Section for available Hosts
11. Synch. mode only
12. Asynch. mode requires RPQ.
13. Maximum 8 nodes in the topology
14. LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5x66.26.19s.
15. LAAM (Legato Cluster) with SRDF integration requires minimum microcode level 5567.46.24 or 5568.58.12
16. Supported with microcode 5x65 and 5x66.
17. Supported with Symmetrix 4.8 and 5.0
18. This version does not support QLogic HBAs.
19. Jaycor HBA & driver must set failover parameter to greater than 0.
20. See EMC Release Notes for important configuration information.
21. Multiple RA groups are not supported.
22. Supported with microcode versions 5x66, 5x67, 5x68
23. Supported with Symmetrix models 4.8, 5.x
24. Supported with Symmetrix 5.x and DMX
25. Supported with 5x67, 5x68, and 5x69 microcode revisions.

CLARiiON FC5300 and FC4500

For CLARiiON FC5300 and FC4500 support, look at the FC4700 section and check the footnotes for model/microcode compatibility.

CLARiiON FC4700

Base Connectivity

DG DG/UX
DG

DG – DG DG/UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	AViiON: AV25000, AV35000 ^{9, 10} , AV3750	PCI	DG DG/UX R4.20MU07 ^{2, 3}	Emulex LP8000–EMC ¹¹	FC–AL, FC–SW	N	See ¹
2	AViiON: AV25000, AV35000 ^{9, 10} , AV3750	PCI	DG DG/UX R4.20MU07 ^{2, 3}	Emulex LP8000–F1 ^{4, 5}	FC–AL, FC–SW ^{6, 7, 8}	N	See ¹
3	AViiON: AV25000, AV35000 ^{9, 10} , AV3750	PCI	DG DG/UX R4.20MU07 ³	Emulex LP8000–EMC ^{11, 13}	FC–SW ^{6, 7, 8}	N	See ¹²

- For more information see <http://athena.europe.dg.com>
- The release notice for DG/UX (included with the software release at path: "/usr/release/dgux*.m) lists supported platforms.
- FC4700 is only supported on DG/UX 4.20 MU07.
 - Maximum of 2 fabrics, each with a maximum of 4 switches.
 - Maximum of 4 FC4700s per fabric.
 - Maximum of 16 HBAs per fabric.
 - Maximum of 32 HBAs per FC4700 SP.
 - Maximum of 6 DG/UX servers per FC4700.
 - Maximum of 4 HBAs per AV3750 server (2 per fabric).
 - Maximum of 4 HBAs per NUMA block (2 per fabric in non-clustered environments).
- DG/UX automatically loads the firmware and BIOS onto the Emulex HBA during boot-up as needed.
- Only the Brocade FC switch connection is supported. Connectrix FC switch is not supported.
- DS–8B or DS–16B switches only; qualified with firmware v2.1.4a, v2.2, and v2.3.
- FC4700 clusters must use FC–SW mode and switches.
- Support for FC4500, FC4700, and FC5300.
- AViiON 25000/35000 servers are not supported for direct server connections to FC4700.
- ClarAlert is available to support FC4700 on AViiONs. ClarAlert is not compatible with other AViiON management software on the Navisphere management workstation.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- All installations currently require an RPQ with diagrams and revisions noted. Support for Core Array software is frozen at v8.42.10/60 for DG/UX systems.
- Firmware Version 3.20x4.

EMC NAS EMC

EMC – EMC NAS							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Celerra File Server Control Station CS–507 Series	PCI	EMC NAS: 4.1.12, 4.1.4, 4.1.8, 4.2.11, 4.2.18, 4.2.22, 4.2.5, 5.0.11, 5.0.9, 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC 201–712–900 ⁵	FC–SW	N	See ¹
2	Celerra File Server Data Mover DM7 Series	PCI	EMC NAS: 4.1.12, 4.1.4, 4.1.8, 4.2.11, 4.2.18, 4.2.22, 4.2.5, 5.0.11, 5.0.9, 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC 250–736–900 ²	FC–SW	N	See ¹
3	Celerra File Server Data Mover DM 510 Series	PCI	EMC NAS: 4.1.12, 4.1.4, 4.1.8, 4.2.11, 4.2.18, 4.2.22, 4.2.5, 5.0.11, 5.0.9, 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC: 250–734–902 ^{2, 4} , 250–735–900 ^{2, 3}	FC–SW	N	See ¹

- FC4700–2 only
- Not field–replaceable.
- This HBA is for connecting to a disk array.
- This HBA is for connecting to a Tape Library unit.
- Host Adapter Card is not field–replaceable.

Fujitsu Technology Solutions Solaris Fujitsu Technology Solutions

Fujitsu Technology Solutions – Fujitsu Technology Solutions Solaris							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PRIMEPOWER: 650, 850, GP7000F 1000, GP7000F 200, GP7000F 2000, GP7000F 400, GP7000F 600, GP7000F 800	PCI	Fujitsu Technology Solutions Solaris: 2.6 ^{2, 7} , 8 ^{7, 9}	Emulex: LP8000–EMC ^{3, 4, 5} , LP9002–E (LP9002L–E) ^{3, 4}	FC–AL, FC–SW	N	See ¹
2	PRIMEPOWER: 650, 850, GP7000F 1000, GP7000F 200, GP7000F 2000, GP7000F 400, GP7000F 600, GP7000F 800	PCI	Fujitsu Technology Solutions Solaris: 8 ^{7, 9}	Emulex LP9802–E	FC–AL, FC–SW	N	See ¹
3	PRIMEPOWER: 1500, 250, 2500, 450, 650, 850, 900, GP7000F 1000, GP7000F 200, GP7000F 2000, GP7000F 400, GP7000F 600, GP7000F 800	PCI	Fujitsu Technology Solutions Solaris: 8 ^{7, 9}	Emulex: LP10000–E ^{3, 9, 10} , LP10000DC–E ^{3, 9, 10}	FC–AL, FC–SW	Y	See ¹
4	PRIMEPOWER: 1500, 250, 2500, 450, 900	PCI	Fujitsu Technology Solutions Solaris: 8 ^{7, 9}	Emulex: LP9002–E (LP9002L–E) ^{3, 4} , LP9802–E	FC–AL, FC–SW	N	See ¹

- For sales in the USA and Canada only.
- EMC required Solaris patches for Fujitsu PCI Bus servers running Solaris 2.6 (must be obtained from Fujitsu): 105181–33: SunOS 5.6:kernel update patch. 105356–19: SunOS 5.6: /kernel/drv/ssd and /kernel/drv/sd patch. 105580–19: SunOS 5.6: /kernel/drv/glm patch.
- Driver Version 5.02b.
- Firmware Version 3.91a3.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- Fujitsu requires all patches for Solaris 7 be obtained through Fujitsu in the form of a Solaris 7 PTF patch CD. The current patch CD is Solaris 7 PTF R03111.
- Fujitsu requires all patches for Solaris 8 be obtained through Fujitsu in the form of a Solaris 8 PTF patch CD. The current patch CD is Solaris 8 PTF R03111.
- Fujitsu requires that all patches for Solaris 9 be obtained through Fujitsu in the form of a Solaris 9 PTF patch CD. The current patch CD is Solaris 9 PTF R03111.
- FCode value 1.40a0.
- Firmware Version 1.80a2.

**HPQ HP-UX
HPQ**

HPQ - HPQ HP-UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	HP 9000: K220, K250, K260, K360, K370, K380, K420, K450, K570, K580	HSC	HPQ HP-UX: 11.0 ACE ^{3, 4} , 11i v1.0 (HP-UX 11.11) Sept 2001 ³	HPQ A3404A	FC-AL	Y	
2	HP 9000: R380, R390 ^{1, 2}	HSC	HPQ HP-UX: 11.0 ACE ^{3, 4} , 11i v1.0 (HP-UX 11.11) Sept 2001 ³	HPQ A3591B	FC-AL	Y	
3	HP 9000 D290^{1, 2}	HSC	HPQ HP-UX: 11.0 ACE ^{3, 4} , 11i v1.0 (HP-UX 11.11) ³	HPQ A3591B	FC-AL	N	
4	HP 9000 K460	HSC	HPQ HP-UX: 11.0 ^{3, 4} , 11i v1.0 (HP-UX 11.11) ³	HPQ A3404A	FC-AL	N	See ^{10, 14, 15, 16}
5	HP 9000: D270, D280, D370, D380, D390 ¹	HSC	HPQ HP-UX: 11.0 ^{3, 4} , 11i v1.0 (HP-UX 11.11) ³	HPQ: A3591A, A3591B	FC-AL	N	
6	HP 9000 N-Class (N4000) ^{28, 29}	PCI	HPQ HP-UX 11.0 ^{3, 4}	HPQ A3740A	FC-AL	Y ²⁶	
7	HP 9000: V2500, V2600	PCI	HPQ HP-UX 11.0 ^{3, 4}	HPQ A3740A	FC-AL	Y ^{8, 26}	
8	HP 9000 rp5470 (L3000) ^{42, 45, 46}	PCI	HPQ HP-UX 11.0 ^{3, 4, 8}	HPQ A3740A	FC-AL	Y ⁴⁴	
9	HP 9000 rp7400 ^{29, 59}	PCI	HPQ HP-UX 11.0 ^{3, 4, 8}	HPQ A3740A	FC-AL	Y ²⁶	
10	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP-UX 11.0 ^{3, 4, 8}	HPQ A3740A ⁶⁴	FC-AL	N	
11	HP 9000: rp5400 (L1000) ³⁴ , rp5450 (L2000) ³⁴	PCI	HPQ HP-UX 11.0 ^{3, 4, 10}	HPQ A3740A	FC-AL	Y ^{8, 26}	
12	HP 9000 rp5405 ⁴³	PCI	HPQ HP-UX 11.0 ^{3, 8}	HPQ A3740A	FC-AL	N	
13	HP 9000: N-Class (N4000) ^{28, 29} , V2500, V2600, rp5400 (L1000) ³⁴ , rp5450 (L2000) ³⁴	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A3740A	FC-AL	N	
14	HP 9000: V2200, V2250	PCI	HPQ HP-UX: 11.0 ^{3, 4} , 11i v1.0 (HP-UX 11.11) ³	HPQ A3740A	FC-AL	N	
15	HP 9000: K260 ²⁰ , K360 ²⁰	HSC	HPQ HP-UX 11.0 Dec 2001 ^{3, 4}	HPQ A6685A ^{5, 11, 12, 18, 19}	FC-AL, FC-SW	Y ^{12, 17}	
16	HP 9000: K370 ²⁰ , K380 ²⁰ , K570 ^{20, 21} , K580 ^{20, 21}	HSC	HPQ HP-UX 11.0 Dec 2001 ^{3, 4}	HPQ A6685A ^{5, 11, 18, 19, 23}	FC-AL, FC-SW	Y	
17	HP 9000 K460 ²⁰	HSC	HPQ HP-UX 11.0 Dec 2001 ^{3, 4}	HPQ A6685A ^{5, 12}	FC-AL, FC-SW	Y ^{12, 17}	See ^{11, 19, 24}
18	HP 9000 R390 ^{1, 9}	HSC	HPQ HP-UX 11.0 Dec 2001 ^{3, 4, 8}	HPQ A6684A ^{5, 11, 12}	FC-AL, FC-SW	Y ¹²	
19	HP 9000 D390 ¹	HSC	HPQ HP-UX 11.0 ^{1, 3, 4}	HPQ A6684A ⁵	FC-AL, FC-SW	Y ^{7, 8, 9}	
20	HP 9000: D270, D280, D370, D380	HSC	HPQ HP-UX 11.0 ^{3, 4}	HPQ A6684A ⁵	FC-AL, FC-SW	N	
21	HP 9000: K220, K250, K420, K450	HSC	HPQ HP-UX 11.0 ^{3, 4}	HPQ A6685A ^{5, 11, 60}	FC-AL, FC-SW	N	
22	HP 9000 R380 ^{1, 13}	HSC	HPQ HP-UX 11.0 ^{3, 4, 10}	HPQ A6684A ^{5, 11, 12}	FC-AL, FC-SW	Y	
23	HP 9000: K220, K250, K420, K450	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) June 2001 ³	HPQ A6685A ^{6, 11, 19, 23, 63}	FC-AL, FC-SW	N	
24	HP 9000 K460 ²⁰	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ³	HPQ A6685A ⁶	FC-AL, FC-SW	Y	
25	HP 9000: K260, K360, K370, K380, K570, K580	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ³	HPQ A6685A ^{6, 11, 15, 18, 19, 21, 22, 23}	FC-AL, FC-SW	Y ^{7, 20}	
26	HP 9000 D390 ^{1, 9}	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A6684A ⁶	FC-AL, FC-SW	Y	
27	HP 9000: D270, D280, D370, D380	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A6684A ⁶	FC-AL, FC-SW	N	
28	HP 9000 R380	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A6684A ^{6, 11}	FC-AL, FC-SW	N	
29	HP 9000 R390 ^{1, 2}	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A6684A ^{6, 11}	FC-AL, FC-SW	Y ⁹	
30	HP 9000 rp5430 (L1500) ⁴³	PCI	HPQ HP-UX 11.0 ACE ^{3, 4}	HPQ A6795A ^{5, 30, 31, 32, 33, 37, 38, 39, 41, 65}	FC-AL, FC-SW	N	
31	HP 9000 rp5430	PCI	HPQ HP-UX 11.0 ACE ^{3, 4}	HPQ: A5158A ⁵ , A6795A ^{5, 30}	FC-AL, FC-SW	Y	See ^{19, 25, 37, 38, 39, 41, 43, 47, 49, 61}
32	HP 9000: V2500 ²⁷ , V2600 ²⁷	PCI	HPQ HP-UX 11.0 Dec 2001 ^{3, 4}	HPQ A5158A ^{5, 19, 23, 25}	FC-AL, FC-SW	Y	
33	HP 9000 N-Class (N4000) ^{28, 29}	PCI	HPQ HP-UX 11.0 Dec 2001 ^{3, 4, 8}	HPQ A5158A ^{5, 23}	FC-AL, FC-SW	Y	
34	HP 9000 N-Class (N4000) ^{28, 29}	PCI	HPQ HP-UX 11.0 Dec 2001 ^{3, 4, 10}	HPQ A6795A ^{5, 30}	FC-AL, FC-SW	Y	
35	HP 9000 rp2405	PCI	HPQ HP-UX 11.0 March 2002 ³	HPQ A5158A ⁵	FC-AL, FC-SW	N	
36	HP 9000 rp2470	PCI	HPQ HP-UX 11.0 March 2002 ³	HPQ A6795A ^{5, 30}	FC-AL, FC-SW	Y	
37	HP 9000 rp2430	PCI	HPQ HP-UX 11.0 March 2002 ³	HPQ: A5158A ⁵ , A6795A ^{5, 30}	FC-AL, FC-SW	N	
38	HP 9000 rp2405	PCI	HPQ HP-UX 11.0 March 2002 ^{3, 10}	HPQ A6795A ^{5, 30}	FC-AL, FC-SW	Y ⁷	See ^{31, 32}
39	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP-UX 11.0 ^{3, 4}	HPQ A5158A ⁵	FC-AL, FC-SW	Y ^{7, 8, 35, 52}	See ^{10, 14, 19, 38, 39, 41, 47, 48, 49, 50, 51}
40	HP 9000: V2200, V2250	PCI	HPQ HP-UX 11.0 ^{3, 4}	HPQ A5158A ^{5, 19, 23, 25}	FC-AL, FC-SW	N	
41	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP-UX 11.0 ^{3, 4}	HPQ A6795A ^{5, 30}	FC-AL, FC-SW	Y ^{7, 8, 31, 32, 33, 53}	See ^{10, 14, 19, 38, 39, 41, 47, 48, 49, 50, 51}
42	HP 9000 rp2470	PCI	HPQ HP-UX 11.0 ^{3, 4}	HPQ A6795A ^{5, 30, 37, 38, 39, 41, 68}	FC-AL, FC-SW	Y	

HPQ – HPQ HP-UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
43	HP 9000 rp7400 ^{29, 59}	PCI	HPQ HP-UX 11.0 ^{3, 4, 8}	HPQ A5158A ^{5, 19, 23, 25}	FC-AL, FC-SW	Y	
44	HP 9000 rp5430 (L1500)	PCI	HPQ HP-UX 11.0 ^{3, 4, 8}	HPQ: A5158A ^{5, 19, 23, 35} A6795A ^{5, 30, 31, 32, 33, 38, 39}	FC-AL, FC-SW	Y	
45	HP 9000 rp5430	PCI	HPQ HP-UX 11.0 ^{3, 4, 8}	HPQ: A5158A ^{5, 19, 23, 35} A6795A ^{5, 30, 38, 39}	FC-AL, FC-SW	Y	
46	HP 9000 rp2405	PCI	HPQ HP-UX 11.0 ^{3, 4, 10}	HPQ A6795A ^{5, 30, 37, 38, 39, 41, 68}	FC-AL, FC-SW	Y ⁷	See ^{31, 32}
47	HP 9000 SUPERDOME ^{51, 54}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 ³	HPQ A5158A ^{6, 55}	FC-AL, FC-SW	Y	
48	HP 9000 SUPERDOME ^{51, 54}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 ³	HPQ A6795A ^{6, 30, 37, 40, 41, 57, 58}	FC-AL, FC-SW	Y ⁵⁶	
49	HP 9000 rp2405	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ³	HPQ A6795A ^{6, 30, 37, 38, 39, 41, 65, 69}	FC-AL, FC-SW	Y	
50	HP 9000: rp7405, rp7410	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ³	HPQ A6795A ^{6, 30, 40}	FC-AL, FC-SW	Y	See ^{14, 37, 38, 39, 41, 49, 50, 70}
51	HP 9000 rp2470	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ³	HPQ: A5158A ^{6, 19, 23, 25} A6795A ^{6, 30, 37, 38, 39, 65, 69}	FC-AL, FC-SW	Y	
52	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A5158A ⁶	FC-AL, FC-SW	Y ^{7, 35, 52}	See ^{10, 14, 19, 38, 39, 41, 47, 48, 49, 50, 51}
53	HP 9000: V2200, V2250	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A5158A ^{6, 19, 23, 25}	FC-AL, FC-SW	N	
54	HP 9000: V2500, V2600	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A5158A ^{6, 19, 23, 25}	FC-AL, FC-SW	Y ^{7, 26}	
55	HP 9000 rp5430 (L1500) ⁴⁵	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A5158A ^{6, 19, 25}	FC-AL, FC-SW	Y ^{7, 35, 52, 62}	See ^{14, 19, 25, 37, 38, 39, 41, 43, 47, 49, 50, 61}
56	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A6795A ^{6, 30}	FC-AL, FC-SW	Y ^{7, 31, 32, 33, 53}	See ^{10, 14, 19, 38, 39, 41, 47, 48, 49, 50, 51}
57	HP 9000: rp7405, rp7410	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A6795A ^{6, 30, 37, 39, 40, 41, 58, 71}	FC-AL, FC-SW	Y	
58	HP 9000 rp5430 (L1500) ⁴⁵	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A6795A ^{6, 30, 37, 40, 41}	FC-AL, FC-SW	Y ^{7, 31, 32, 33, 62}	See ^{14, 19, 25, 37, 38, 39, 41, 43, 47, 49, 50, 61}
59	HP 9000 N-Class (N4000) ^{28, 29}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ: A5158A ^{6, 23} , A6795A ^{6, 30, 31, 32, 33}	FC-AL, FC-SW	Y	
60	HP 9000 rp2430	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ: A5158A ⁶ , A6795A ^{6, 30}	FC-AL, FC-SW	N	
61	HP 9000 rp5430	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ: A5158A ⁶ , A6795A ^{6, 30}	FC-AL, FC-SW	N	See ^{14, 19, 25, 37, 38, 39, 41, 43, 47, 49, 50, 61}
62	HP 9000: rp2405, rp2470	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ: A5158A ⁶ , A6795A ^{6, 30}	FC-AL, FC-SW	Y	
63	HP 9000: rp7405, rp7410	PCI	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) March 2002 ³ , 11.11) ³	HPQ A5158A ^{6, 25}	FC-AL, FC-SW	Y	
64	HP 9000 rp2470	PCI	HPQ HP-UX: 11.0 March 2002 ³ , 11.0 ^{3, 4}	HPQ A5158A ⁵	FC-AL, FC-SW	Y	
65	Integrity RX2600 (Itanium2)	PCI-X	HPQ HP-UX 11i v2.0 (HP-UX 11.23) ⁷⁵	HPQ: A6795A ³⁰ , AB232A (LP9802) ^{76, 77}	FC-AL, FC-SW	N	
66	Integrity RX7620	PCI-X	HPQ HP-UX 11i v2.0 (HP-UX: 11.23) Sept 2003 ⁷⁵ , 11.23) ⁷⁵	HPQ: A6795A ³⁰ , AB232A (LP9802) ^{76, 77}	FC-AL, FC-SW	N	
67	HP 9000 rp5430 (L1500) ⁴³	PCI	HPQ HP-UX 11.0 ACE ^{3, 4}	HPQ A5158A ^{5, 19, 23, 25}	FC-AL, FC-SW ³⁶	N	
68	HP 9000 rp5405 ⁴³	PCI	HPQ HP-UX 11.0 ACE ^{3, 8}	HPQ A6795A ^{5, 30, 31, 32, 33, 37, 38, 39, 40}	FC-AL, FC-SW ³⁶	N	
69	HP 9000 rp5470 (L3000) ^{43, 45}	PCI	HPQ HP-UX 11.0 Dec 2001 ^{3, 4}	HPQ A6795A ^{5, 30, 31, 32, 33, 37, 38, 39, 65}	FC-AL, FC-SW ³⁶	Y	
70	HP 9000 rp5450 (L2000) ³⁴	PCI	HPQ HP-UX 11.0 Dec 2001 ^{3, 4, 10}	HPQ A6795A ^{5, 30, 31, 32, 33, 37, 38, 39, 40}	FC-AL, FC-SW ³⁶	Y	
71	HP 9000 rp7400 ⁴³	PCI	HPQ HP-UX 11.0 Dec 2001 ^{3, 8}	HPQ A6795A ^{5, 30, 31, 32, 33, 37, 38, 39, 40}	FC-AL, FC-SW ³⁶	Y	
72	HP 9000: rp5405 ^{42, 43} , rp5470 (L3000) ^{42, 45, 46}	PCI	HPQ HP-UX 11.0 ^{3, 4, 8}	HPQ A5158A ^{5, 19, 23, 25}	FC-AL, FC-SW ³⁶	Y	
73	HP 9000: rp5400 (L1000) ³⁴ , rp5450 (L2000) ³⁴	PCI	HPQ HP-UX 11.0 ^{3, 4, 10}	HPQ A5158A ^{5, 19, 23, 25}	FC-AL, FC-SW ³⁶	Y ^{7, 8, 26, 35}	
74	HP 9000 rp5400 (L1000) ³⁴	PCI	HPQ HP-UX 11.0 ^{3, 4, 10}	HPQ A6795A ^{5, 30, 31, 32, 33, 37, 38, 39, 40}	FC-AL, FC-SW ³⁶	Y	
75	HP 9000 rp5450 (L2000) ³⁴	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 ³	HPQ A6795A ^{6, 30, 37, 38, 39, 40, 41}	FC-AL, FC-SW ³⁶	Y ^{7, 31, 32, 33}	
76	HP 9000 rp5470 (L3000) ^{42, 45, 46}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 ³	HPQ A6795A ^{6, 30, 37, 38, 39, 40, 41}	FC-AL, FC-SW ³⁶	Y ^{7, 31, 32, 33, 44}	
77	HP 9000 rp7400 ^{43, 67}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 ^{3, 55}	HPQ A6795A ^{6, 30, 37, 38, 39, 40, 41}	FC-AL, FC-SW ³⁶	Y ^{7, 31, 32, 33}	
78	HP 9000 rp8400	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ³	HPQ: A5158A ^{6, 25, 72, 73} A6795A ^{6, 30, 37, 38, 39, 40, 41, 72, 74}	FC-AL, FC-SW ³⁶	Y	
79	HP 9000 rp5470 (L3000) ^{42, 45, 46}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A5158A ^{6, 19, 23}	FC-AL, FC-SW ³⁶	Y ^{7, 32, 44}	
80	HP 9000 rp5400 (L1000) ³⁴	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A5158A ^{6, 19, 23, 25}	FC-AL, FC-SW ³⁶	Y	
81	HP 9000 rp5450 (L2000) ³⁴	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A5158A ^{6, 19, 23, 25}	FC-AL, FC-SW ³⁶	Y ^{7, 26, 35}	
82	HP 9000 rp5400 (L1000) ³⁴	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ A6795A ^{6, 30, 37, 38, 39, 40, 41}	FC-AL, FC-SW ³⁶	Y ³²	
83	HP 9000 rp5405 ^{42, 43}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ³	HPQ: A5158A ^{6, 19, 23} , A6795A ^{6, 30, 37, 38, 39, 40, 41}	FC-AL, FC-SW ³⁶	N	
84	HP 9000 rp7400 ^{43, 67}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{3, 55}	HPQ A5158A ^{6, 19, 25, 66}	FC-AL, FC-SW ³⁶	Y ^{7, 26, 32}	

1. Dlx90, Rlx90 servers support a maximum of 2 A6684A HBAs. The first must be installed in the turbo slot 10/12 and the second in any HSC slot.

2. Dlx90, Rlx90 require minimum PDC firmware 41.35 or higher.
3. For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N/dev/vg01/lvol1 or lvcreate -r N/dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
4. With HP-UX 11.0, a failed-over LUN is not automatically restored to its parent SP following LCC removal and replacement on an FC4702 array. After the LCC has powered back up, the LUN can be restored by deactivating and activating the associated volume group using the command vgchange -a. During other types of failover (disabling/reenabling SP ports on switch, etc.), the LUN "is" automatically restored.
5. Driver Version 11.00.10.
6. Driver Version 11.11.09.
7. The Brocade (Brocade, EMC, or HP models) switch port the HBA involved in a FC-SW topology boot process or FC-SW topology dump process is attached to, is required to be locked as G port when the boot or dump volume resides on the Symmetrix. This can be accomplished by executing the "portCfgGport port_number,1" command from a telnet session on the Brocade switch. The boot device can not be located more than two hops from the initiator involved in the boot process.
8. See Technical Bulletin T010820 for supported patch levels.
9. Requires minimum PDC firmware 42.10.
10. See Technical Bulletin T010820 for LVM supported patch levels.
11. Required dependent FCMS patches are required (patches may be superseded or have co-dependencies as defined by HP): HP-UX 11.0, PHKL_21834 HP-UX 11i: PHKL_23626. NOTE: These patches must be installed before installing the driver, available at <http://us-support2.external.hp.com>, HSC Tachlite driver available at <http://www.software.hp.com>, under "drivers" and locate Fibre Channel HSC Tachlite adapter (A6684A or A6685A). For HP-UX 11i, the driver is under "hp tachyon tl fibre channel adapter" which enables support for A6684A/A6685A/A5158A.
12. HP-UX 11.0 minimum driver revision B.11.00.06. HP-UX 11i minimum driver revision B.11.11.06.
13. Dlx90, Rlx90 require minimum PDC firmware 41.35 or higher to support boot.
14. For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC Symmetrix devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N/dev/vg01/lvol1 or lvcreate -r N/dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set. No additional patches are required for this option in HP-UX 11.0, HP-UX 11.11 and forward, however in HP-UX 10.x the "N" flag option was introduced with the following patches are required to be installed or patches which supercede or replace these in order to configure the logical volumes residing on Symmetrix devices in this manner: For all HP/UX 10.xx versions install the following Bad Block Reallocation Patch Pair: 10.01: PHKL_11294, PHKL_11890, PHCO_11288 (patches may be superseded or have co-dependencies as defined by HP). 10.10: PHKL_11816, PHCO_11817 (patches may be superseded or have co-dependencies as defined by HP). 10.20: PHKL_11086, PHKL_11903, PHCO_10964 (patches may be superseded or have co-dependencies as defined by HP). For HP/UX 10.20 Driver J3630BA is required for A3404A, A3591A/B, A3740A, A6684A and A6685A adapters.
15. FC-AL
16. Symm 6 is qualified with: HP-UX 11.00 Support Plus Sept '02 bundle = QPK1100 Sept '02 & HWE1100 Sept '02
17. Qualified with only CX600, CX400, FC4500 and FC4700 with the switches listed in connectivity table, fabric or QuickLoop.
18. FC-AL, FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
19. Requires minimum PDC firmware 41.33.
20. The A6685A is not supported in slots 10/0 and 10/8 of the K570 and K580. In the K570 and K580, there are restrictions for the number of A6685A HBA cards supported when graphics cards are installed.
21. HP-UX 10.20 requires patches (patches may be superseded or have co-dependencies as defined by HP): PHKL_16751, PHKL_17590, PHSS_23581
NOTE: These patches must be installed before installing the driver, available at <http://us-support2.external.hp.com>. HSC Tachlite driver available at <http://www.software.hp.com>, under "drivers" and locate Fibre Channel HSC Tachlite adapter (A6684A or A6685A). Depending on the patch level of the system, the following patches may be required:
PHKL_16957PHKL_21595PHCO_16591PHSS_20999
PHKL_17858PHKL_21661PHCO_18563PHNE_19936
PHKL_20611PHKL_23419PHCO_21186
Installation instructions available at:
http://www.software.hp.com/cgi-bin/swdepot_parser.cgi/cgi/displayProductInfo.pl?productNumber=A6685A&oper=install
22. HP-UX 11.00 minimum driver revision B.11.00.06.
HP-UX 11i minimum driver revision B.11.11.06.
HP-UX 10.20 minimum driver revision B.10.20.01.
23. Qualified with only CX600, CX400, FC4500 and FC4700 with the switches listed in Table 112 on page 293, fabric or QuickLoop.
24. HP A5158A FC-SW software requirement: FC-AL and FC-SW requires the HP A5158A Tachlite PCI Fibre Channel Adapter. The A5158A FC-SW software fabric driver version "AP0301", for HP-UX 11i is now available for download from HP's software depot site, <http://www.software.hp.com> under "drivers". It is referred to as the "hp pci tachyon tl fibre channel adapter", and requires the installation of dependent patch PHKL_22874 prior to installing the fabric driver, patches may be superseded or have co-dependencies as defined by HP.
25. QuickLoop only or direct attach only.
26. FC-AL boot with PDC rev TSSW 3.2.1, PDC_ENTRY version: 4.3.4.0 or higher.
FC-SW boot with PDC rev TSSW 3.2.1 or higher, PDC_ENTRY version: 4.3.4.0 or higher.
27. N-Class: Arbitrated loop boot with PDC rev 40.04 or higher. Fabric boot with PDC rev 40.25 or higher.
28. Virtual Partitions (VPAR) is supported on the N-class/rp7400 server.
VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later.
Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 42.06 or later. Powerpath support on Virtual Partitions has to be RPQ'd at this time.
29. As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)
L2000 (product number A5191A)
N4000 Revision A (product number A3639A)
N4000 Revision B (product number A3639B)
30. FC-AL direct attach 2-Gbit boot using A6795A is not supported.
FC-SW 2-Gbit boot and/or dump using A6795A requires Auto-Negotiation flag to be enabled on the switch port the HBA is attached to.
31. Boot initialization negotiation at 1 Gb mode for Brocade switches.
FC-SW - HBA port on the switch must be locked as a "G" port and locked in auto-negotiation mode.
32. FC-AL direct attach boot support only at 1 Gb. Requires the boot device port to be configured for 1 Gb operation.
33. PDC firmware 41.39 or higher; Arbitrated Loop (direct attach) or FC-SW
34. For HP/UX 11.00, minimum driver revision B.11.00.06.
35. Switched fabric (FC-SW) first supported on FC4500, requires Core Software 6.32.05 or higher, Navisphere Agent 4.3 or higher, and Access Logix enabled (data access control enabled).
36. Minimum driver version for SNIA HBA API support with HP-UX 11.0 is B.11.00.10. Minimum driver version for SNIA HBA API support with HP-UX 11.11 is B.11.11.09.
37. Supported with CX600, CX400, FC4700. FC4700-2 supports 1 and 2 Gb modes. Restrictions apply in boot environments.
38. HP-UX 11.0 ACE required patch: PHKL_23939
HP-UX 11i required patch: PHKL_23626
NOTE: These patches must be installed before installing the driver.
39. QuickLoop support: HP A5223A/AZ, HP A5224A/AZ using parameters outlined in connectivity table.
The A6795A HBA is capable of supporting both 1 and 2 Gb speeds.
QuickLoop is not supported with Brocade 3900/12000, or ED-12000B.
Auto-sensing capability on the HBA is permanently enabled. There is no option to disable auto-sensing on the HBA.
40. All switch ports participating in the QuickLoop must be set to 1 Gbit speed.
41. Supported with HP-UX 11i (64-bit only). FC4700-2 minimum code level 8.44.x1.
42. L-Class requires minimum PDC firmware 40.26 or higher.
43. rp5405, rp5430, rp5470, rp7400: (PA-8700 processors): Initial support with HP-UX 11.0 Sept 2001, 11i Sept 2001.
44. Excludes the rp5470 (PA-8700).
45. PA-8700 processors: Initial support with HP-UX 11.0 Sept 2001, HP-UX 11i Sept 2001.
46. Virtual Partitions (VPAR) is supported on the L-class/rp5470 server.
VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later.
Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 41.02 or later.
47. For HP/UX 11.00 minimum driver revision B.11.00.06.
For HP/UX 11i minimum driver revision B.11.11.06.
48. HP A5158A FC-SW software requirements: FC-AL and FC-SW requires the HP A5158A Tachlite PCI Fibre Channel Adapter. The A5158A FC-SW software fabric driver version "AP0301", for HP-UX 11i is now available for download from HP's software depot site, <http://www.software.hp.com> under "drivers". It is referred to as the "hp pci tachyon tl fibre channel adapter", and requires the installation of dependent patch PHKL_22874 prior to installing the fabric driver, patches may be superseded or have co-dependencies as defined by HP.
49. QuickLoop support: HP A5223A/AZ, HP A5224A/AZ using parameters outlined in Table 112 on page 293.
The A6795A HBA is capable of supporting both 1 and 2 Gb speeds.
QuickLoop is not supported with Brocade 3200/3800/12000, DS-16B2 or ED-12000B.
Auto-sensing capability on the HBA is permanently enabled. There is no option to disable auto-sensing on the HBA.
50. FC-AL, FC-SW
51. Qualified on FC4500 and later. Requires Access Logix 6.32.11 (FC4500) or 8.42.5x (FC4700) or higher with data access control enabled and Navisphere Agent 5.2 or higher.
52. Fabric SAN boot supported.
53. Requires minimum PDC firmware 42.09.

54. Requires minimum PDC firmware 32.2 and PDHC 7.3 or higher
55. HP-UX 11.00 minimum driver revision B.11.00.06.
HP-UX 11i minimum driver revision B.11.11.06.
56. Requires minimum PDC firmware 35.4 and PDHC 7.8 or higher
57. HP-UX required patches: HP-UX 11.0 ACE: PHKL_23939, HP-UX 11i : PHKL_23626
58. Supported with CX600, CX400, FC4500 and FC4700. FC4700-2 supports both 1GB and 2GB modes. Restrictions apply in a boot environment.
59. Requires PDC firmware rp7400 (PA-8700) requires PDC firmware 41.36.
60. Qualified with only CX600, CX400, FC4500 and FC4700 with the switches listed in connectivity section, fabric or QuickLoop.
61. PDC 40.26 or later
62. Requires minimum PDC firmware 42.06.
63. Qualified with only CX600, CX400, FC4500 and FC4700 with the switches listed connectivity table, fabric or QuickLoop.
64. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
65. 1Gbit Quickloop supported beginning at firmware release v3.0.2h, all switch ports participating in the Quickloop must be set to 1 Gbit speed.
66. HP-UX 11i minimum driver revision B.11.11.06.
67. Virtual Partitions (VPAR) is supported on the N-class/rp7400 server.
VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later.
Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 42.06 or later.
68. QuickLoop support: HP A5223A/AZ, HP A5224A/AZ using parameters outlined in connectivity table.
The A6795A HBA is capable of supporting both 1 and 2 Gb speeds.
QuickLoop is not supported with Brocade 3200/3800/12000, DS-16B2 or ED-12000B.
Auto-sensing capability on the HBA is permanently enabled. There is no option to disable auto-sensing on the HBA.
69. QuickLoop support: HP A5223A/AZ, HP A5224A/AZ using parameters outlined in connectivity table.
The A6795A HBA is capable of supporting both 1 and 2 Gb speeds.
QuickLoop is not supported with Brocade 3900/12000, or ED-12000B.
Auto-sensing capability on the HBA is permanently enabled. There is no option to disable auto-sensing on the HBA.
70. PDC firmware 15.5 or later
71. HP-UX driver requirements: HP-UX 11.0 : A6684A/A6685A/A5158A/A6795A HP PCI Tachyon TL/XL2 Fibre Channel driver B.11.00.10 or later release which supports this HBA.
72. Virtual Partitions (VPAR) is supported on the rp8400 server with the Clarion CX600 and FC4700.
FC-AL only support, Requires PDC 16.009 or later. Fabric boot with PDC 16.12 or later

VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later.
Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later.
73. Virtual Partitions (VPAR) is supported on the rp8400 server with the Clarion CX600 and FC4700.
FC-AL only support, Requires PDC 16.009 or later. Fabric boot with PDC 16.12 or later

VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later.
Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later
74. 1Gbit Quickloop supported beginning at firmware release v3.0.3h, all switch ports participating in the Quickloop must be set to 1 Gbit speed.
75. HP-UX 11i v2.0 (HP-UX 11.23) is a IA-64 release and only runs on the HP Integrity rx family server.
76. Driver Version 1.01a9. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
77. Firmware Version 1.01a2.

HPQ Tru64 UNIX HPQ

HPQ – HPQ Tru64 UNIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	AlphaServer: 1200 ⁹ , 4000 ⁹ , 4100 ⁹ , 8200 ⁹ , 8400 ⁹ , DS10, DS10L, DS20, DS20E, ES40, GS140 ⁹ , GS60 ⁹	PCI	HPQ Tru64 UNIX: V5.0A, V5.1, V5.1A, V5.1B-1, V5.1B ²	HPQ: KGPSA-BC (380574-001) ⁷ , KGPSA-CA (168794-B21) ⁴	FC-SW	Y	See ^{1, 5}
2	AlphaServer: GS160, GS320, GS80	PCI	HPQ Tru64 UNIX: V5.1, V5.1A, V5.1B-1, V5.1B ²	HPQ: FCA2354 (LP9002) ^{3, 4} , KGPSA-CA (168794-B21) ⁴ , KGPSA-DA (261329-B21) ⁴	FC-SW	Y	See ^{1, 5}
3	AlphaServer: DS10, DS10L, DS20, DS20E, ES40	PCI	HPQ Tru64 UNIX: V5.1, V5.1A, V5.1B-1, V5.1B ²	HPQ: FCA2354 (LP9002) ^{3, 4} , KGPSA-DA (261329-B21) ⁴	FC-SW	Y	See ^{1, 5}
4	AlphaServer DS20L	PCI	HPQ Tru64 UNIX: V5.1A, V5.1B-1, V5.1B ²	HPQ KGPSA-CA (168794-B21) ⁴	FC-SW	Y	See ^{1, 5}
5	AlphaServer: DS25 ⁸ , ES45 ⁶	PCI	HPQ Tru64 UNIX: V5.1A, V5.1B-1, V5.1B ²	HPQ: FCA2354 (LP9002) ^{3, 4} , KGPSA-CA (168794-B21) ⁴ , KGPSA-DA (261329-B21) ⁴	FC-SW	Y	See ^{1, 5}
6	AlphaServer: ES47 ¹⁰ , ES80 ¹⁰ , GS1280 ¹⁰	PCI	HPQ Tru64 UNIX: V5.1B-1, V5.1B ²	HPQ: FCA2354 (LP9002) ^{3, 4} , KGPSA-DA (261329-B21) ⁴	FC-SW	Y	See ^{1, 5}

1. Supported with the FC4700-2 only.
2. Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).
3. Identical to KGPSA-DA.
4. Firmware Version 3.91A1.
5. FC4700: Minimum AccessLogix 8.45.5x and Navisphere Manager 6.0.5.4.x.
6. Tru64 UNIX V5.1A minimum requirement for ES45.
7. Firmware Version 3.20X7.
8. Tru64 UNIX V5.1A minimum requirement for DS25.
9. KGPSA-BC/KGPSA-CA supported ONLY.
10. AlphaServer GS1280, ES80, ES47: Minimum Tru64 V5.1B with Patch Kit 1 (T64V51BB1AS0001-20021229)

IBM AIX IBM

Do not use a LUN in the CLARiON DAE2-ATA as a host OS boot device.

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	SP2 9076 +: 06 50X ²⁰ , 07 55X ²⁰ , 08 T70 ²⁰	PCI	IBM AIX 4.3.3 ²⁸	Emulex: LP9002-E ²⁹ , LP9002L-E ^{29, 30} , LP9002L-F ^{29, 31}	FC-AL, FC-SW	N	
2	7013-S7A	PCI	IBM AIX 5.1 ^{1, 26}	Emulex LP8000-EMC ^{30, 32, 33}	FC-AL, FC-SW	N	

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
3	7013-S70; 7015-S70; 7015-S7A; 7017-S70; 7017-S7A; 7017-S80; 7024-E30; 7025-F40; 7025-F50; 7025-F80; 7025-H70; 7026-H50; 7026-H70; 7026-H80; 7026-M80; 7043-140; 7043-150; 7043-240; 7043-260; 7043-270; 7044-170; 7044-270; p680 7017-S85	PCI	IBM AIX 5.1 ^{26, 28}	Emulex LP8000-EMC ^{30, 32, 33}	FC-AL, FC-SW	N	
4	p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 5.1 ^{26, 28}	Emulex: LP9002-E ²⁹ , LP9002L-E ^{29, 30} , LP9002L-F ^{29, 31}	FC-AL, FC-SW	N	
5	p630: 7028-6C4, 7028-6E4	PCI	IBM AIX 5.1 ^{26, 28, 41}	Emulex: LP9002-E ²⁹ , LP9002L-E ^{29, 30} , LP9002L-F ^{29, 31}	FC-AL, FC-SW	N	
6	p610 7028-6E1	PCI	IBM AIX 5.1 ^{28, 45}	Emulex: LP9002-E ²⁹ , LP9002L-E ^{29, 30} , LP9002L-F ^{29, 31}	FC-AL, FC-SW	N	
7	SP2 9076 +: 02 XX1 ²⁰ , 05 XX9 ²⁰	MCA	IBM AIX 5.2 ^{54, 56, 60, 61, 62}	IBM: 6227 ^{35, 57, 58} , 6228 ^{35, 54, 57, 58, 59}	FC-AL ⁴ FC-SW ⁴	N	
8	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node	PCI	IBM AIX 4.3.3 ¹	IBM 6227 ^{2, 3, 5}	FC-AL ⁴ FC-SW ⁴	N	
9	7015-S7A; 7017-S7A; 7025-F50	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{34, 35, 36}	FC-AL ⁴ FC-SW ⁴	N	
10	7017-S80; p680 7017-S85	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{34, 35, 36}	FC-AL ⁴ FC-SW ⁴	√6, 7, 8, 9, 10, 11, 12	
11	7025-F80; p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{34, 35, 36}	FC-AL ⁴ FC-SW ⁴	√7, 8, 9, 10, 11, 12, 13	
12	7025-H70; 7026-H70	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{34, 35, 36}	FC-AL ⁴ FC-SW ⁴	√7, 8, 9, 10, 11, 12, 14	
13	7026-H50	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{34, 35, 36}	FC-AL ⁴ FC-SW ⁴	√7, 8, 9, 10, 11, 12, 15	
14	7026-H80; p660: 7026-6H0, 7026-6H1	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{34, 35, 36}	FC-AL ⁴ FC-SW ⁴	√7, 8, 9, 10, 11, 12, 16	
15	7026-M80; p660 7026-6M1	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{34, 35, 36}	FC-AL ⁴ FC-SW ⁴	√7, 8, 9, 10, 11, 12, 17	
16	7044-170; 7044-270	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{34, 35, 36}	FC-AL ⁴ FC-SW ⁴	√7, 8, 9, 10, 11, 12, 19	
17	p610: 7028-6C1, 7028-6E1	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{34, 35, 36}	FC-AL ⁴ FC-SW ⁴	√7, 8, 9, 10, 11, 12, 37	
18	p640 7026-B80	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{34, 35, 36}	FC-AL ⁴ FC-SW ⁴	√7, 8, 9, 10, 11, 12, 18	
19	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ²⁰ , 07 55X ²⁰ , 08 T70 ²⁰ ; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	PCI	IBM AIX 4.3.3 ¹	IBM: 6227 ^{2, 3, 5} , 6228 ^{34, 35, 36}	FC-AL ⁴ FC-SW ⁴	N	
20	7013-S7A	PCI	IBM AIX 4.3.3 ¹	IBM: 6227 ^{2, 5, 27} , 6228 ^{34, 35, 36}	FC-AL ⁴ FC-SW ⁴	N	
21	7013-S70; 7015-S70; 7015-S7A; 7017-S70; 7017-S7A; 7025-F50; 7043-270	PCI	IBM AIX 4.3.3 ^{1, 2}	IBM 6227 ^{2, 3, 5}	FC-AL ⁴ FC-SW ⁴	N	
22	7017-S80; p680 7017-S85	PCI	IBM AIX 4.3.3 ^{1, 2}	IBM 6227 ^{2, 3, 5}	FC-AL ⁴ FC-SW ⁴	√6, 7, 8, 9, 10, 11, 12	
23	7025-F80; p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 4.3.3 ^{1, 2}	IBM 6227 ^{2, 3, 5}	FC-AL ⁴ FC-SW ⁴	√7, 8, 9, 10, 11, 12, 13	
24	7025-H70; 7026-H70	PCI	IBM AIX 4.3.3 ^{1, 2}	IBM 6227 ^{2, 3, 5}	FC-AL ⁴ FC-SW ⁴	√7, 8, 9, 10, 11, 12, 14	
25	7026-H50	PCI	IBM AIX 4.3.3 ^{1, 2}	IBM 6227 ^{2, 3, 5}	FC-AL ⁴ FC-SW ⁴	√7, 8, 9, 10, 11, 12, 15	
26	7026-H80; p660: 7026-6H0, 7026-6H1	PCI	IBM AIX 4.3.3 ^{1, 2}	IBM 6227 ^{2, 3, 5}	FC-AL ⁴ FC-SW ⁴	√7, 8, 9, 10, 11, 12, 16	
27	7026-M80; p660 7026-6M1	PCI	IBM AIX 4.3.3 ^{1, 2}	IBM 6227 ^{2, 3, 5}	FC-AL ⁴ FC-SW ⁴	√7, 8, 9, 10, 11, 12, 17	
28	7044-170; 7044-270	PCI	IBM AIX 4.3.3 ^{1, 2}	IBM 6227 ^{2, 3, 5}	FC-AL ⁴ FC-SW ⁴	√7, 8, 9, 10, 11, 12, 19	
29	p640 7026-B80	PCI	IBM AIX 4.3.3 ^{1, 2}	IBM 6227 ^{2, 3, 5}	FC-AL ⁴ FC-SW ⁴	√7, 8, 9, 10, 11, 12, 18	
30	SP2 9076 +: 06 50X ²⁰ , 07 55X ²⁰ , 08 T70 ²⁰	PCI	IBM AIX 4.3.3 ²⁸	Emulex LP7000E-N1 ³³	FC-AL ⁴ FC-SW ⁴	N	
31	7026-M80	PCI	IBM AIX 4.3.3 ²⁸	Emulex LP8000-EMC ^{30, 32}	FC-AL ⁴ FC-SW ⁴	N	

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
32	7013-S70; 7013-S7A; 7015-S70; 7015-S7A; 7017-S70; 7017-S7A; 7017-S80; 7024-E30; 7025-F40; 7025-F50; 7025-F80; 7025-H70; 7026-H50; 7026-H70; 7026-H80; 7043-140; 7043-150; 7043-240; 7043-260; 7043-270; 7044-170; 7044-270	PCI	IBM AIX 4.3.3 ²⁸	Emulex LP8000-EMC ^{30, 32, 33}	FC-AL ⁴ FC-SW ⁴	N	
33	7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p610 7028-6E1; p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 4.3.3 ²⁸	Emulex: LP8000-EMC ^{30, 32, 33} LP9002-E ²⁹ , LP9002L-E ^{29, 30} , LP9002L-F ^{29, 31}	FC-AL ⁴ FC-SW ⁴	N	
34	p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	PCI	IBM AIX 4.3.3 ²⁸	Emulex: LP9002-E ²⁹ , LP9002L-E ^{29, 30} , LP9002L-F ^{29, 31}	FC-AL ⁴ FC-SW ⁴	N	
35	7013-S70; 7015-S70; 7017-S70; 7043-270	PCI	IBM AIX 5.1.1, 21	IBM 6227 ^{3, 5, 22}	FC-AL ⁴ FC-SW ⁴	N	
36	p610: 7028-6C1, 7028-6E1	PCI	IBM AIX 5.1.1, 21	IBM 6228 ^{3, 34, 38}	FC-AL ⁴ FC-SW ⁴	Y ^{7, 9, 10, 23, 24, 25, 37}	
37	p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681, 7040-W42	PCI	IBM AIX 5.1.1, 21	IBM 6228 ^{3, 34, 38}	FC-AL ⁴ FC-SW ⁴	Y ^{7, 9, 10, 23, 24, 25, 39}	
38	7013-S7A; 7015-S7A; 7017-S7A; 7025-F50	PCI	IBM AIX 5.1.1, 21	IBM: 6227 ^{3, 5, 22} , 6228 ^{3, 34, 38}	FC-AL ⁴ FC-SW ⁴	N	
39	7017-S80; p680 7017-S85	PCI	IBM AIX 5.1.1, 21	IBM: 6227 ^{3, 5, 22} , 6228 ^{3, 34, 38}	FC-AL ⁴ FC-SW ⁴	Y ^{6, 7, 9, 10, 23, 24, 25}	
40	7025-F80; p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 5.1.1, 21	IBM: 6227 ^{3, 5, 22} , 6228 ^{3, 34, 38}	FC-AL ⁴ FC-SW ⁴	Y ^{7, 9, 10, 13, 23, 24, 25}	
41	7025-H70; 7026-H70	PCI	IBM AIX 5.1.1, 21	IBM: 6227 ^{3, 5, 22} , 6228 ^{3, 34, 38}	FC-AL ⁴ FC-SW ⁴	Y ^{7, 9, 10, 14, 23, 24, 25}	
42	7026-H50	PCI	IBM AIX 5.1.1, 21	IBM: 6227 ^{3, 5, 22} , 6228 ^{3, 34, 38}	FC-AL ⁴ FC-SW ⁴	Y ^{7, 9, 10, 15, 23, 24, 25}	
43	7026-H80; p660: 7026-6H0, 7026-6H1	PCI	IBM AIX 5.1.1, 21	IBM: 6227 ^{3, 5, 22} , 6228 ^{3, 34, 38}	FC-AL ⁴ FC-SW ⁴	Y ^{7, 9, 10, 16, 23, 24, 25}	
44	7026-M80; p660 7026-6M1	PCI	IBM AIX 5.1.1, 21	IBM: 6227 ^{3, 5, 22} , 6228 ^{3, 34, 38}	FC-AL ⁴ FC-SW ⁴	Y ^{7, 9, 10, 17, 23, 24, 25}	
45	7044-170; 7044-270	PCI	IBM AIX 5.1.1, 21	IBM: 6227 ^{3, 5, 22} , 6228 ^{3, 34, 38}	FC-AL ⁴ FC-SW ⁴	Y ^{7, 9, 10, 19, 23, 24, 25}	
46	p640 7026-B80	PCI	IBM AIX 5.1.1, 21	IBM: 6227 ^{3, 5, 22} , 6228 ^{3, 34, 38}	FC-AL ⁴ FC-SW ⁴	Y ^{7, 9, 10, 18, 23, 24, 25}	
47	p630: 7028-6C4 ³⁹ , 7028-6E4 ³⁹	PCI	IBM AIX 5.1.1, 21, 25, 41, 53	IBM 6239 ^{35, 51}	FC-AL ⁴ FC-SW ⁴	Y	See ⁷
48	p650 7038-6M2 ¹⁸ ; p655 7039-651	PCI	IBM AIX 5.1.1, 21, 25, 44, 53	IBM 6239 ^{35, 51}	FC-AL ⁴ FC-SW ⁴	Y	See ⁷
49	7044-170 ¹⁹ ; 7044-270 ¹⁹ ; p610: 7028-6C1 ³⁷ , 7028-6E1 ³⁷ ; p620: 7025-6F0, 7025-6F1; p640 7026-B80 ¹⁸ ; p660: 7026-6H0 ¹⁶ , 7026-6H1 ¹⁶ , 7026-6M1 ¹⁷ ; p670 7040-671 ³⁹ ; p690: 7040-61D ³⁹ , 7040-61R ³⁹ , 7040-681 ⁵⁰	PCI	IBM AIX 5.1.1, 21, 25, 53	IBM 6239 ^{35, 51}	FC-AL ⁴ FC-SW ⁴	Y	See ⁷
50	p630: 7028-6C4, 7028-6E4	PCI	IBM AIX 5.1.1, 21, 41	IBM 6228 ^{27, 34, 38}	FC-AL ⁴ FC-SW ⁴	Y ^{7, 9, 10, 23, 24, 25, 40}	
51	p650 7038-6M2	PCI	IBM AIX 5.1.1, 21, 44	IBM 6228 ^{34, 35, 38}	FC-AL ⁴ FC-SW ⁴	Y ^{7, 9, 24, 25, 43}	
52	p655 7039-651	PCI	IBM AIX 5.1.1, 21, 44	IBM 6228 ^{34, 35, 38}	FC-AL ⁴ FC-SW ⁴	N	
53	7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ²⁰ , 07 55X ²⁰ , 08 T70 ²⁰ ; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	PCI	IBM AIX 5.1.1, 22, 26	IBM 6227 ^{5, 27}	FC-AL ⁴ FC-SW ⁴	N	

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
54	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ²⁰ , 07 55X ²⁰ , 08 T70 ²⁰ , p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	PCI	IBM AIX 5.1 ¹ , 26, 42	IBM 6228 ^{34, 35, 38}	FC-AL ⁴ FC-SW ⁴	N	
55	7013-S70; 7015-S70; 7017-S70	PCI	IBM AIX 5.2	IBM 6227 ^{5, 35}	FC-AL ⁴ FC-SW ⁴	N	
56	7025-F80; p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 5.2	IBM 6227 ^{5, 35}	FC-AL ⁴ FC-SW ⁴	√7, 10, 13, 48	
57	7025-H70; 7026-H70	PCI	IBM AIX 5.2	IBM 6227 ^{5, 35}	FC-AL ⁴ FC-SW ⁴	√7, 10, 14, 48	
58	7026-H50	PCI	IBM AIX 5.2	IBM 6227 ^{5, 35}	FC-AL ⁴ FC-SW ⁴	√7, 10, 15, 48	
59	7026-H80; p660: 7026-6H0, 7026-6H1	PCI	IBM AIX 5.2	IBM 6227 ^{5, 35}	FC-AL ⁴ FC-SW ⁴	√7, 10, 16, 48	
60	7026-M80; p660 7026-6M1	PCI	IBM AIX 5.2	IBM 6227 ^{5, 35}	FC-AL ⁴ FC-SW ⁴	√7, 10, 17, 48	
61	7044-170; 7044-270	PCI	IBM AIX 5.2	IBM 6227 ^{5, 35}	FC-AL ⁴ FC-SW ⁴	√7, 10, 19, 48	
62	p640 7026-B80	PCI	IBM AIX 5.2	IBM 6227 ^{5, 35}	FC-AL ⁴ FC-SW ⁴	√7, 10, 18, 48	
63	p680 7017-S85	PCI	IBM AIX 5.2	IBM 6227 ^{5, 35}	FC-AL ⁴ FC-SW ⁴	√6, 7, 10, 48	
64	7025-F80; 7025-H70; 7026-H50; 7026-H70; 7026-H80; 7026-M80; 7044-170; 7044-270	PCI	IBM AIX 5.2	IBM 6228 ^{34, 35}	FC-AL ⁴ FC-SW ⁴	N	
65	p610: 7028-6C1, 7028-6E1	PCI	IBM AIX 5.2	IBM 6228 ^{34, 35, 46}	FC-AL ⁴ FC-SW ⁴	√7, 37, 46, 47, 48	
66	p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 5.2	IBM 6228 ^{34, 35, 46}	FC-AL ⁴ FC-SW ⁴	√7, 13, 46, 47, 48	
67	p630: 7028-6C4, 7028-6E4; p690 7040-681	PCI	IBM AIX 5.2	IBM 6228 ^{34, 35, 46}	FC-AL ⁴ FC-SW ⁴	√7, 39, 46, 47, 48	
68	p640 7026-B80	PCI	IBM AIX 5.2	IBM 6228 ^{34, 35, 46}	FC-AL ⁴ FC-SW ⁴	√7, 18, 46, 47, 48	
69	p650 7038-6M2	PCI	IBM AIX 5.2	IBM 6228 ^{34, 35, 46}	FC-AL ⁴ FC-SW ⁴	√7, 46, 47, 48, 49	
70	p655 7039-651; p670 7040-671; p690 7040-W42	PCI	IBM AIX 5.2	IBM 6228 ^{34, 35, 46}	FC-AL ⁴ FC-SW ⁴	√7, 46, 47, 48	
71	p660 7026-6M1	PCI	IBM AIX 5.2	IBM 6228 ^{34, 35, 46}	FC-AL ⁴ FC-SW ⁴	√7, 17, 46, 47, 48	
72	p660: 7026-6H0, 7026-6H1	PCI	IBM AIX 5.2	IBM 6228 ^{34, 35, 46}	FC-AL ⁴ FC-SW ⁴	√7, 16, 46, 47, 48	
73	p680 7017-S85	PCI	IBM AIX 5.2	IBM 6228 ^{34, 35, 46}	FC-AL ⁴ FC-SW ⁴	√6, 7, 46, 47, 48	
74	p690: 7040-61D, 7040-61R	PCI	IBM AIX 5.2	IBM 6228 ^{34, 35, 46}	FC-AL ⁴ FC-SW ⁴	√7, 46, 47, 48, 50	
75	7013-S7A; 7015-S7A; 7017-S7A; 7025-F50	PCI	IBM AIX 5.2	IBM: 6227 ^{5, 35} , 6228 ^{34, 35}	FC-AL ⁴ FC-SW ⁴	N	
76	7017-S80	PCI	IBM AIX 5.2	IBM: 6227 ^{5, 35} , 6228 ^{34, 35, 46, 54, 56}	FC-AL ⁴ FC-SW ⁴	√6, 7, 10, 48	
77	7044-170 ¹⁹ ; 7044-270 ¹⁹ ; p610: 7028-6C1 ³⁷ , 7028-6E1 ³⁷ ; p620: 7025-6F0, 7025-6F1; p630: 7028-6C4 ³⁹ , 7028-6E4 ³⁹ ; p640 7026-B80 ¹⁸ ; p650 7038-6M2 ¹⁸ ; p655 7039-651; p660: 7026-6H0 ¹⁶ , 7026-6H1 ¹⁶ , 7026-6M1 ¹⁷ ; p670 7040-671 ³⁹ ; p690: 7040-61D ³⁹ , 7040-61R ³⁹ , 7040-681 ⁵⁰	PCI	IBM AIX 5.2 ^{48, 54}	IBM 6239 ⁵¹	FC-AL ⁴ FC-SW ⁴	Y	See ⁷
78	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node; p690: 7040-61D as an SP node, 7040-61R as an SP node, 7040-681 as an SP node	PCI	IBM AIX 5.2 ^{54, 56, 60, 61, 62}	IBM 6227 ^{35, 57, 58}	FC-AL ⁴ FC-SW ⁴	N	
79	670 7040-671 as an SP node; 7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ²⁰ , 07 55X ²⁰ , 08 T70 ²⁰	PCI	IBM AIX 5.2 ^{54, 56, 60, 61, 62}	IBM: 6227 ^{35, 57, 58} , 6228 ^{35, 54, 57, 58, 59}	FC-AL ⁴ FC-SW ⁴	N	
80	7013-S7A	PCI	IBM AIX: 4.3.3 ²⁸ , 5.1, 26, 28	Emulex: LP9002-E ²⁹ , LP9002L-E ^{29, 30} , LP9002L-F ^{29, 31}	FC-AL ⁴ FC-SW ⁴	N	

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
81	7013–S70; 7015–S70; 7015–S7A; 7017–S70; 7017–S7A; 7017–S80; 7024–E30; 7025–F40; 7025–F50; 7025–F80; 7025–H70; 7026–H50; 7026–H70; 7026–H80; 7026–M80; 7043–140; 7043–150; 7043–240; 7043–260; 7043–270; 7044–170; 7044–270; p610 7028–6C1; p640 7026–B80; p660: 7026–6H0, 7026–6H1, 7026–6M1; p680 7017–S85	PCI	IBM AIX: 4.3.3 ²⁸ , 5.1 ^{26, 28}	Emulex: LP9002–E ²⁹ , LP9002L–E ^{29, 30} , LP9002L–F ^{29, 31}	FC–AL ⁴ FC–SW ⁴	N	
82	p615: 7029–6C3, 7029–6E3	PCI	IBM AIX: 5.1 ^{25, 52, 53} , 5.2 ^{46, 54, 55}	IBM 6239 ^{35, 51}	FC–AL ⁴ FC–SW ⁴	Y	See ⁷

- Includes support for FC4700, FC4700–2, CX600, CX400.
- Requires adapter firmware 3.22A1, CLArrayS3.4.3.0.x fileset support. Supports FC4700 with minimum Flare code 8.46.xx .
- IBM 6227 and IBM 6228 adapters are supported on the same server. Mixed FC–AL and FC–SW are supported on the same server.
6227 Filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1000f7.rte ;
6228 Filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1000f9.diag, devices.pci/df1000f9.rte
- FC–SW and FC–AL are supported on the same server.
- Firmware Version 3.22A1. Minimum supported level.
- System/Service processor combined microcode Version 20020920 dated 11/19/2002 or later.
- Booting from a PowerPath device is supported with FC–SW topology only.
- Minimum AIX 4.3.3 ML9, APAR IY22024
- Minimum Powerpath version 3.0.2. For Powerpath patches 3.0.x, the bootfix.sh script is required for boot support. See the EMC Primus case ID emc58038 for more details and the PowerPath Release Notes for installation
Obtain the EMC CLARiiON and AIX Fibre boot document from avatar.eng.emc.com for installation and configuration instructions.
- For Powerpath version 3.0.3, minimum CLArray S3.4.3.0.8 version is required.
- Fibre boot when used under AIX 4.3 requires APAR IY42989 which can be obtained from IBM at <https://techsupport.services.ibm.com/server/fixes?view=pSeries>.
- System microcode CL020407 or later.
- System/Service processor combined microcode Version SST01256/SS010614 dated 10/23/2001 or later.
- System/Service processor combined microcode Version L02113/ag010611 or later.
- System microcode CM020407 or later.
- System microcode MM020407 or later.
- System/Service processor combined microcode Version NAN02066/SC020308 dated 03/29/2002 or later.
- System/Service processor combined microcode Version SPH02254/sh020307 dated 11/20/2002 or later.
- The following link provides detailed data for all 9076–SP2 models and feature codes:
http://www1.ibm.link.ibm.com/cgi-bin/master?request=salesmanual&parms=SMS&xh=NTZH*daEMSRi4n1USenGnN9332&xh=usa.main%7Csalesmanual%5E&type=D&search=9076&title=T&product
- AIX 5.1–32/64 bit kernel supported. Requires CLArrayS3.5.1 fileset support.
- Requires adapter firmware 3.22A1, CLArrayS3.5.1 fileset support. Supports FC4700 with minimum flare code 8.46.xx.
- AIX 5.1 ML1, APAR IY21957 or higher.
- For Powerpath version 3.0.3, minimum CLArray S3.5.1.0.6 version is required.
- Fibre boot when used under AIX 5.1 requires APAR IY40885 which can be obtained from IBM at <https://techsupport.services.ibm.com/server/fixes?view=pSeries>.
- AIX 5.1 supported only with 32–bit kernel.
- IBM 6227 and IBM 6228 adapters are supported on the same server. Mixed FC–AL and FC–SW are supported on the same server.
6227 Filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1000f7.rte ;
6228 Filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1000f9.diag, devices.pci/df1000f9.rte
- No support for the CX400 or CX600. Supports FC4500, FC4700, FC4700–2
- Requires CLARiiON proprietary fibre channel driver version 4.0.5.0 and HBA firmware 3.82A1
- See the EMC price book for vendor ordering information. This HBA is not sold by EMC. The EMC 4.0.5 driver is on UTIL–AIX.
- Requires a host PCI bus capable of supplying 3.3 VDC bus power. PCI slot can be either 3.3 VDC or 5.0 VDC signaling interface.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- Requires CLARiiON proprietary fibre channel driver version 4.0.5.0 and HBA firmware 3.20x4.
- Firmware Version 3.82A1. Minimum supported level.
- IBM Native Fibre Channel drivers with feature code 6227 and with feature code 6228 are supported on the same server. Feature 6228 and 6239 are supported on the same server. Mixed FC–AL and FC–SW are supported on the same server. 6227 filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1000f7.rte; 6228 filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1080f9.diag, devices.pci/df1080f9.rte
- Requires minimum HBA firmware 3.82A1, CLArrayS3.4.3.0.x fileset support. Supports FC4700 with minimum Flare code 8.46.xx .
- System/Service processor combined microcode Version CLT02066/ct020307 dated 04/04/2002 or later.
- Requires minimum HBA firmware 3.82A1, CLArrayS3.5.1 fileset support. Supports FC4700 with minimum Flare code 8.46.xx .
- System/Service processor combined microcode Version RH020413 dated 05/22/2002 or later.
- System/Service processor combined microcode Version RR020822 dated 09/19/2002 or later.
- Requires minimum AIX 5.1 maintenance level 02.
- Requires adapter firmware 3.82A1, CLArrayS3.5.1 fileset support. Supports FC4700 with minimum Flare code 8.46.xx.
- System/Service processor microcode Version RK021120 dated 12/11/2002 or later.
- Requires AIX 5.1 with minimum maintenance level 03 APAR 1Y32749.
- 32–bit kernel support only with AIX 5.1.
- For all PCI–based hosts only: see HBA placement guidelines in the IBM document PCI Adapter Placement Reference SA38–0538–6, available at http://www-1.ibm.com/servers/eserver/pseries/library/hardware_docs/sa38/380538.pdf
- Requires CLArrayS3.5.2.0.6
- Fibre boot when used under AIX 5.2 requires APAR IY41028 which can be obtained from IBM at <https://techsupport.services.ibm.com/server/fixes?view=pSeries>.
- System/Service processor combined microcode Version RK030206 dated 03/31/2003 or later.
- Minimum microcode levels RH0 20413 dated 05/22/2002 or later.
- Firmware Version 1.00X5. Minimum supported level.
- Requires AIX 5.1 with minimum maintenance level 04 APAR IY44478.
- Requires CLArrayS3.5.1.0.6 or higher
- Requires CLArrayS3.5.2.0.7
- Requires AIX 5.2 with minimum maintenance level 01 APAR IY44479.
- For all PCI–based hosts only: See http://www-1.ibm.com/servers/eserver/pseries/library/hardware_docs/sa38/380538.pdf for appropriate HBA placement guidelines.
- See http://www.rs6000.ibm.com/resource/hardware_docs/sa38-0538/380538.pdf for appropriate HBA placement guidelines
- Requires minimum ODM fileset support (5.0.0.0 EMC Symmetrix Fibre Channel support software).
- IBM 6227 and 6228 adapters are supported on the same server. Mixed FC–AL and FC–SW are supported on the same server.
- AIX 5.2 32/64 bit kernel supported. Requires Minimum EMC ODM fileset support 5.0.0.0.
- AIX 5.2 requires Operating System APAR# IY36782, IY37744 and IY37746 for support with HACMP and HACMP/ES version 4.5 and PSSP 3.5.
- Requires AIX APAR IY48995

Microsoft Windows 2000

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
 - 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
 - 3) External storage director failures including failed lasers on Fibre Channel directors.
 - 4) External storage power failure.
 - 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
 - 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements.
- Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

Bull

Bull – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800: 320La, 320La-R, 320Lb, 320Lb-R, 330Ma-R, 330Mb-R, 340Ha-R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2}	QLogic QLA2310F-E-SP ^{3,4}	FC-AL, FC-SW	N	See ^{5,6,7}
2	Express 5800 180Rb7	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex LP8000-EMC ^{8,9,10}	FC-AL, FC-SW	Y	See ⁷

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. **Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
3. QLogic SANSurfer/SANBlade Manager is not supported.
4. Driver Version 8.2.3.21.
5. For FC-AL, only direct attach is supported.
6. FC-SW applies only to CX600, CX400, FC4500, FC4700, and FC5300. FC5300 with FC-SW available from selected channels.
7. CLARiiON FC4500 array is also supported for these configurations.
8. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
9. Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
10. Driver Version 2.21a7.

DG

DG – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	AViiON: AV8900, AV8950, AV8950R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{4,13} , SP3 ^{4,13} , SP4 ⁴ ; Microsoft Windows 2000 Server: SP2 ^{4,13} , SP3 ^{4,13} , SP4 ⁴	Emulex: LP10000-E ^{5,15,16} , LP10000DC-E ^{5,15,16} , LP1050-E ^{5,16,17} , LP1050DC-E ^{5,16,17} , LP8000-EMC ^{1,2,5} , LP9002-E (LP9002L-E) ^{2,5,14} , LP9802-E ^{5,6,7,14} , LP9802DC-E ^{5,6,7,14} , LP982-E ^{5,6,7,8,14} ; QLogic: QLA2340-E-SP ^{10,12} , QLA2342-E-SP ^{10,12}	FC-AL, FC-SW	Y	See ³
2	AViiON: AV1400, AV2300, AV2700, AV2800, AV3600, AV3700, AV3704, AV3704R, AV3800, AV8700	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{4,13} , SP3 ^{4,13} , SP4 ⁴ ; Microsoft Windows 2000 Server: SP2 ^{4,13} , SP3 ^{4,13} , SP4 ⁴	Emulex: LP10000-E ^{5,15,16} , LP10000DC-E ^{5,15,16} , LP1050-E ^{5,16,17} , LP1050DC-E ^{5,16,17} , LP8000-EMC ^{1,2,5} , LP9002-E (LP9002L-E) ^{2,5} , LP9802-E ^{5,6,7} , LP9802DC-E ^{5,6,7,14} , LP982-E ^{5,6,7,8} ; QLogic: QLA2340-E-SP ^{10,12} , QLA2342-E-SP ^{10,12}	FC-AL, FC-SW	Y	See ³
3	AViiON: AV1400, AV2300, AV2700, AV2800, AV3600, AV3700, AV3704, AV3704R, AV3800, AV8700, AV8900, AV8950, AV8950R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{4,13} , SP3 ^{4,13} , SP4 ⁴ ; Microsoft Windows 2000 Server: SP2 ^{4,13} , SP3 ^{4,13} , SP4 ⁴	QLogic QLA2310F-E-SP ^{10,11}	FC-AL ⁹ , FC-SW	Y	See ³

1. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
2. Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
3. CLARiiON FC4500 array is also supported for these configurations.
4. EMC recommends that HBAs of different vendors not be used in the same host server.
5. Driver Version 2.21a7.
6. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
7. Firmware Version 1.01a2.
8. The Emulex LP9xxx HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
9. Supported by direct attach only
10. Driver Version 8.2.3.21.
11. If using ATF/CDE, requires 2.1.6 or greater.
12. PowerPath supported. ATF/CDE not supported.
13. **Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
14. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
15. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
16. Firmware Version 1.80a3.
17. **Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

Dell

Dell – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerVault: 750N ⁴ , 755N ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3}	Emulex LP9002-E (LP9002L-E) ^{1,5,14} , QLogic: QLA2340-E-SP ^{10,12} , QLA2342-E-SP ^{10,12}	FC-AL, FC-SW	Y	See ²
2	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3} ; Microsoft Windows 2000 Datacenter: SP ^{2,3,13,19} , SP ^{3,13} , SP ^{4,3} ; Microsoft Windows 2000 Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3}	Emulex: LP8000-EMC ^{1,5,15} , LP9002-E (LP9002L-E) ^{1,5}	FC-AL, FC-SW	Y	See ²
3	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3} ; Microsoft Windows 2000 Datacenter: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3} ; Microsoft Windows 2000 Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3}	Emulex: LP9802-E ^{5,6,7,16} , LP9802DC-E ^{5,6,7,16} , LP982-E ^{5,6,7,8,16}	FC-AL, FC-SW	Y	See ²
4	PowerEdge: 4300, 4350	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3} ; Microsoft Windows 2000 Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3}	Emulex LP8000-EMC ^{1,5,15} , QLogic: QLA2340-E-SP ^{10,12} , QLA2342-E-SP ^{10,12}	FC-AL, FC-SW	Y	See ²
5	PowerEdge 1550	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3} ; Microsoft Windows 2000 Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3}	Emulex: LP10000-E ^{5,22,23} , LP10000DC-E ^{5,22,23} , LP1050-E ^{5,22,24} , LP1050DC-E ^{5,22,24} , LP8000-EMC ^{1,5,15} , LP9002-E (LP9002L-E) ^{1,5,14} , LP9802-E ^{5,6,7} , LP9802DC-E ^{5,6,7,16} , LP982-E ^{5,6,7,8} ; QLogic: QLA2340-E-SP ^{10,12} , QLA2342-E-SP ^{10,12}	FC-AL, FC-SW	Y	See ²
6	PowerEdge: 1650, 2300, 2400, 2450, 2500, 2550 ¹⁸ , 4400, 6100, 6300, 6350, 6400, 6450	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3} ; Microsoft Windows 2000 Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3}	Emulex: LP10000-E ^{5,22,23} , LP10000DC-E ^{5,22,23} , LP1050-E ^{5,22,24} , LP1050DC-E ^{5,22,24} , LP8000-EMC ^{1,5,15} , LP9002-E (LP9002L-E) ^{1,5} , LP9802-E ^{5,6,7} , LP9802DC-E ^{5,6,7,16} , LP982-E ^{5,6,7,8} ; QLogic: QLA2340-E-SP ^{10,12} , QLA2342-E-SP ^{10,12}	FC-AL, FC-SW	Y	See ²
7	PowerVault: 770N ⁴ , 775N ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3} ; Microsoft Windows 2000 Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3}	Emulex: LP10000-E ^{5,22,23} , LP10000DC-E ^{5,22,23} , LP1050-E ^{5,22,24} , LP1050DC-E ^{5,22,24} , LP9002-E (LP9002L-E) ^{1,5} , LP9802-E ^{5,6,7} , LP9802DC-E ^{5,6,7,16} , LP982-E ^{5,6,7,8} ; QLogic: QLA2340-E-SP ^{10,12} , QLA2342-E-SP ^{10,12}	FC-AL, FC-SW	Y	See ²
8	PowerVault: 750N ⁴ , 755N ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3} ; Microsoft Windows 2000 Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3}	Emulex: LP10000-E ^{5,22,23} , LP10000DC-E ^{5,22,23} , LP1050-E ^{5,22,24} , LP1050DC-E ^{5,22,24} , LP9802-E ^{5,6,7} , LP9802DC-E ^{5,6,7,16} , LP982-E ^{5,6,7,8}	FC-AL, FC-SW	Y	See ²
9	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3} ; Microsoft Windows 2000 Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3}	Emulex: LP10000-E ^{5,22,23} , LP10000DC-E ^{5,22,23} , LP1050-E ^{5,22,24} , LP1050DC-E ^{5,22,24} ; QLogic QLA2340-E-SP ^{10,12}	FC-AL, FC-SW	Y	See ²
10	PowerEdge 8450 ¹⁷	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3} ; Microsoft Windows 2000 Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3}	QLogic QLA2300F-E-SP ^{16,20,21}	FC-AL, FC-SW	Y	
11	PowerEdge 8450 ¹⁷	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3} ; Microsoft Windows 2000: Datacenter SP ^{4,3} , Server SP ^{2,3,13} , Server SP ^{3,13} , Server SP ^{4,3}	QLogic QLA2342-E-SP ^{10,12}	FC-AL, FC-SW	Y	See ²
12	PowerEdge 8450	PCI	Microsoft Windows 2000 Datacenter SP ^{2,3,13}	QLogic QLA2342-E-SP ^{10,12}	FC-AL, FC-SW	Y	
13	PowerEdge 8450 ¹⁷	PCI	Microsoft Windows 2000 Datacenter SP ^{2,3,13}	QLogic QLA2342-E-SP ^{10,12}	FC-AL, FC-SW	Y	
14	PowerEdge 8450	PCI	Microsoft Windows 2000 Datacenter SP ^{4,3}	QLogic QLA2340-E-SP ^{10,12,16}	FC-AL, FC-SW	Y	See ²
15	PowerEdge 8450 ¹⁷	PCI	Microsoft Windows 2000 Datacenter: SP ^{2,3,13,19} , SP ^{3,13} , SP ^{4,3}	Emulex: LP10000-E ^{5,22,23} , LP10000DC-E ^{5,22,23} , LP1050-E ^{5,22,24} , LP1050DC-E ^{5,22,24}	FC-AL, FC-SW	Y	See ²
16	PowerEdge 8450	PCI	Microsoft Windows 2000 Datacenter: SP ^{2,3,13,19} , SP ^{3,13} , SP ^{4,3}	QLogic QLA2300F-E-SP ²¹	FC-AL, FC-SW	Y	See ²
17	PowerEdge 8450	PCI	Microsoft Windows 2000 Datacenter: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3}	QLogic QLA2340-E-SP ^{10,16}	FC-AL, FC-SW	Y	See ²
18	PowerVault: 750N, 755N	PCI	Microsoft Windows 2000 Server: SP ^{2,3,13} , SP ^{3,13} , SP ^{4,3}	Emulex LP9002-E (LP9002L-E) ^{5,14} , QLogic: QLA2340-E-SP ¹⁰ , QLA2342-E-SP ¹⁰	FC-AL, FC-SW	Y	See ²

Dell – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
19	PowerEdge: 1750, 2600, 4600, 6600, 6650	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 13} , SP3 ^{3, 13} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 13} , SP3 ^{3, 13} , SP4 ³	Emulex: LP10000-E ^{5, 22, 23} , LP10000DC-E ^{5, 22, 23} , LP1050-E ^{5, 22, 24} , LP1050DC-E ^{5, 22, 24} , LP8000-EMC ^{1, 5, 15} , LP9002-E (LP9002L-E) ^{1, 5} , LP9802-E ^{5, 6, 7} , LP9802DC-E ^{5, 6, 7, 16} , LP982-E ^{5, 6, 7, 8} ; QLogic: QLA2340-E-SP ^{10, 12} , QLA2342-E-SP ^{10, 12}	FC-AL, FC-SW	Y	See ²
20	PowerEdge 2650	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 13} , SP3 ^{3, 13} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 13} , SP3 ^{3, 13} , SP4 ³	Emulex: LP10000-E ^{5, 22, 23} , LP10000DC-E ^{5, 22, 23} , LP1050-E ^{5, 22, 24} , LP1050DC-E ^{5, 22, 24} , LP8000-EMC ^{5, 14, 15} , LP9002-E (LP9002L-E) ^{1, 5} , LP9802-E ^{5, 6, 7} , LP9802DC-E ^{5, 6, 7, 16} , LP982-E ^{5, 6, 7, 8} ; QLogic: QLA2340-E-SP ^{10, 12} , QLA2342-E-SP ^{10, 12}	FC-AL, FC-SW	Y	See ²
21	PowerVault: 750N ⁴ , 755N ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 13} , SP3 ^{3, 13} , SP4 ³	QLogic QLA2310F-E-SP ^{9, 10}	FC-AL ¹¹ , FC-SW	Y	See ²
22	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 13} , SP3 ^{3, 13} , SP4 ³ ; Microsoft Windows 2000 Datacenter: SP2 ^{3, 13, 19} , SP3 ^{3, 13} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 13} , SP3 ^{3, 13} , SP4 ³	QLogic QLA2310F-E-SP ^{9, 10}	FC-AL ¹¹ , FC-SW	Y	See ²
23	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2500, 2550 ¹⁶ , 4300, 4350, 4400, 6100, 6300, 6350, 6400, 6450; PowerVault: 770N ⁴ , 775N ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 13} , SP3 ^{3, 13} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 13} , SP3 ^{3, 13} , SP4 ³	QLogic QLA2310F-E-SP ^{9, 10}	FC-AL ¹¹ , FC-SW	Y	See ²
24	PowerVault: 750N, 755N	PCI	Microsoft Windows 2000 Server: SP2 ^{3, 13} , SP3 ^{3, 13} , SP4 ³	QLogic QLA2310F-E-SP ¹⁰	FC-AL ¹¹ , FC-SW	Y	See ²
25	PowerEdge: 1750, 2600, 2650, 4600, 6600, 6650	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 13} , SP3 ^{3, 13} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 13} , SP3 ^{3, 13} , SP4 ³	QLogic QLA2310F-E-SP ^{9, 10}	FC-AL ¹¹ , FC-SW	Y	See ²

- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- CLARiiON FC4500 array is also supported for these configurations.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Not supported with Emulex LP8000-EMC HBA.
- Driver Version 2.21a7.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- If using ATF/CDE, requires 2.1.6 or greater.
- Driver Version 8.2.3.21.
- Supported by direct attach only
- PowerPath supported. ATF/CDE not supported.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- If using Dell PERC Controller, requires PERC 3 with OpenManager 3.0 and Array Manager 3.1. The afamgt.sys must be version 2.6.0.3486 (or above)..
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- PowerPath not supported. ATF is supported only using Emulex 5-2.11a2 driver.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.1.20.
- Firmware Version 1.80a3.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

Fuji Serv (ICL)

Fuji Serv (ICL) – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Trimetra Nova	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 13} , SP3 ^{5, 13} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 13} , SP3 ^{5, 13} , SP4 ⁵	Emulex: LP10000-E ^{4, 15, 16} , LP10000DC-E ^{4, 15, 16} , LP1050-E ^{4, 15, 17} , LP1050DC-E ^{4, 15, 17} , LP8000-EMC ^{1, 2, 4} , LP9002-E (LP9002L-E) ^{2, 4} , LP9802-E ^{4, 6, 7} , LP9802DC-E ^{4, 6, 7} , LP982-E ^{4, 6, 7, 8} ; QLogic: QLA2340-E-SP ^{10, 12} , QLA2342-E-SP ^{10, 12}	FC-AL, FC-SW	Y	See ³
2	Trimetra Nova	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 13} , SP3 ^{5, 13} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 13} , SP3 ^{5, 13} , SP4 ⁵	QLogic QLA2310F-E-SP ^{9, 10}	FC-AL ¹¹ , FC-SW	Y	See ³

- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- CLARiiON FC4500 array is also supported for these configurations.
- Driver Version 2.21a7.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- If using ATF/CDE, requires 2.1.6 or greater.
- Driver Version 8.2.3.21.
- Supported by direct attach only

12. PowerPath supported. ATF/CDE not supported.
 13. Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
 14. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
 15. Firmware Version 1.80a3.
 16. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
 17. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.

HPQ

HPQ – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Proliant DL380(G3)	PCI	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex LP9002-E (LP9002L-E) ^{3, 6, 16} , QLogic: QLA2340-E-SP ^{11, 13, 20} , QLA2342-E-SP ^{11, 13, 20}	FC-AL, FC-SW	Y	See ¹
2	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Datacenter; SP2 ^{2, 14} , SP3 ^{2, 14} , Microsoft Windows 2000 Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex: LP10000-E ^{3, 28, 29} , LP10000DC-E ^{3, 28, 29} , LP1050-E ^{3, 29, 30} , LP1050DC-E ^{3, 29, 30}	FC-AL, FC-SW	Y	See ¹
3	Proliant 3000 ¹⁵	PCI	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex LP8000-EMC ^{3, 5, 25, 28}	FC-AL, FC-SW	Y	
4	Netserver LH: II, PRO; Netserver: LX PRO, LXR PRO, LXR PRO8	PCI	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex LP8000-EMC ^{3, 5, 6} , HPQ: DS-KGPSA-CA (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CB (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CY (LP8000) ^{3, 7, 25, 28}	FC-AL, FC-SW	Y	See ¹
5	Netserver LH: 3000, 6000; Netserver LXR: 8000, 8500; Proliant: 1600 ^{15, 19} , 1850 ¹⁵ , 850 ¹⁵	PCI	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex LP8000-EMC ^{3, 5, 6} , HPQ: DS-KGPSA-CA (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CB (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CY (LP8000) ^{3, 7, 25, 28} , FCA2214 (QLA2340) ^{11, 26} , FCA2214DC (QLA2342) ^{11, 26} , FCA2384 (LP9802) ^{3, 8, 31} , FCA2404 (LP9802) ^{3, 8, 28} , QLogic: QLA2340-E-SP ^{11, 13} , QLA2342-E-SP ^{11, 13}	FC-AL, FC-SW	Y	See ¹
6	Netserver LH: 3, 4, III; Proliant: 2500 ¹⁵ , 5000 ¹⁵ , 6000 ^{15, 18} , 6500 ^{15, 18} , 8000 ^{15, 18}	PCI	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex LP8000-EMC ^{3, 5, 6} , HPQ: DS-KGPSA-CA (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CB (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CY (LP8000) ^{3, 7, 25, 28} , FCA2214 (QLA2340) ^{11, 26} , FCA2214DC (QLA2342) ^{11, 26} , QLogic: QLA2340-E-SP ^{11, 13} , QLA2342-E-SP ^{11, 13}	FC-AL, FC-SW	Y	See ¹
7	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LPR, LT 6000r; Proliant: 6400R ¹⁵ , DL320 ¹⁵ , DL360(G2) ^{15, 17} , DL360 ¹⁵ , DL380(G2) ¹⁵ , DL380 ¹⁵ , DL580 ¹⁵ , ML350(G2) ¹⁵ , ML350(G3), ML350 ¹⁵ , ML370(G2), ML370(G3), ML370 ¹⁵ , ML530(G2) ¹⁵ , ML530 ¹⁵ , ML570 ¹⁵ , ML750 ⁴	PCI	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex: LP10000-E ^{3, 28, 29} , LP10000DC-E ^{3, 28, 29} , LP1050-E ^{3, 29, 30} , LP1050DC-E ^{3, 29, 30} , LP8000-EMC ^{3, 5, 6} , LP9002-E (LP9002L-E) ^{3, 6} , LP9802-E ^{3, 7, 8} , LP9802DC-E ^{3, 7, 8, 20} , LP982-E ^{3, 7, 8, 9} , HPQ: A7298A (LP982) ^{3, 8, 28} , DS-KGPSA-CA (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CB (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CY (LP8000) ^{3, 7, 25, 28} , FCA2101 (LP952) ^{3, 32, 33} , FCA2214 (QLA2340) ^{11, 26} , FCA2214DC (QLA2342) ^{11, 26} , FCA2384 (LP9802) ^{3, 8, 31} , FCA2404 (LP9802) ^{3, 8, 28} , FCA2404DC (LP9802DC) ^{3, 8, 28} , FCA2408 (LP982) ^{3, 8, 28} , QLogic: QLA2340-E-SP ^{11, 13} , QLA2342-E-SP ^{11, 13}	FC-AL, FC-SW	Y	See ¹
8	Proliant DL380(G3)	PCI	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex: LP10000-E ^{3, 28, 29} , LP10000DC-E ^{3, 28, 29} , LP1050-E ^{3, 29, 30} , LP1050DC-E ^{3, 29, 30} , LP8000-EMC ^{3, 5, 6} , LP9802-E ^{3, 7, 8} , LP9802DC-E ^{3, 7, 8, 20} , LP982-E ^{3, 7, 8, 9} , HPQ: A7298A (LP982) ^{3, 8, 28} , DS-KGPSA-CA (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CB (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CY (LP8000) ^{3, 7, 25, 28} , FCA2101 (LP952) ^{3, 32, 33} , FCA2214 (QLA2340) ^{11, 26} , FCA2214DC (QLA2342) ^{11, 26} , FCA2384 (LP9802) ^{3, 8, 31} , FCA2404 (LP9802) ^{3, 8, 28} , FCA2404DC (LP9802DC) ^{3, 8, 28} , FCA2408 (LP982) ^{3, 8, 28}	FC-AL, FC-SW	Y	See ¹
9	Proliant: 3000 ¹⁵ , 5500 ^{15, 18} , 7000 ^{15, 18}	PCI	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex: LP8000-EMC ^{3, 5, 6} , LP9002-E (LP9002L-E) ^{3, 6} , HPQ: DS-KGPSA-CA (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CB (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CY (LP8000) ^{3, 7, 25, 28} , FCA2101 (LP952) ^{3, 32, 33} , FCA2214 (QLA2340) ^{11, 26} , FCA2214DC (QLA2342) ^{11, 26} , QLogic: QLA2340-E-SP ^{11, 13} , QLA2342-E-SP ^{11, 13}	FC-AL, FC-SW	Y	See ¹

HPQ – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
10	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	QLogic QLA2300F-E-SP20, 26, 27	FC-AL, FC-SW	Y	
11	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Datacenter SP4 ² Server; SP2 ^{2, 14} , Server SP3 ^{2, 14} , Server SP4 ²	Emulex: LP8000-EMC ^{3, 5, 6} , LP9002-E (LP9002L-E) ^{3, 6} , LP9802-E ^{3, 7, 8} , LP9802DC-E ^{3, 7, 8, 20} , LP982-E ^{3, 7, 8, 9} , HPQ: A7298A (LP982) ^{3, 8, 28} , DS-KGPSA-CA (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CB (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CY (LP8000) ^{3, 7, 25, 28} , FCA2101 (LP952) ^{3, 32, 33} , FCA2214 (QLA2340) ^{11, 26} , FCA2214DC (QLA2342) ^{11, 26} , FCA2384 (LP9802) ^{3, 8, 31} , FCA2404 (LP9802) ^{3, 8, 28} , FCA2404DC (LP9802DC) ^{3, 8, 28} , FCA2408 (LP982) ^{3, 8, 28} , QLogic: QLA2340-E-SP11, 13, QLA2342-E-SP11, 13	FC-AL, FC-SW	Y	See ¹
12	Proliant 8500	PCI	Microsoft Windows 2000 Datacenter SP3 ^{2, 14}	HPQ: FCA2214 (QLA2340) ^{11, 26} , FCA2214DC (QLA2342) ^{11, 26} , QLogic QLA2342-E-SP11, 26	FC-AL, FC-SW	Y	
13	Proliant 8500 ¹⁵	PCI	Microsoft Windows 2000 Datacenter SP4 ²	Emulex: LP10000-E ^{3, 28, 29} , LP10000DC-E ^{3, 28, 29} , LP1050-E ^{3, 29, 30} , LP1050DC-E ^{3, 29, 30}	FC-AL, FC-SW	Y	See ¹
14	Proliant DL380(G3)	PCI	Microsoft Windows 2000 Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex LP9002-E (LP9002L-E) ^{3, 6} , QLogic: QLA2340-E-SP11, 13, QLA2342-E-SP11, 13	FC-AL, FC-SW	Y	See ¹
15	Proliant: BL40p, DL740, DL760 (G2), DL760 ¹⁵	PCI-X	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex LP9002-E (LP9002L-E) ^{3, 6, 16}	FC-AL, FC-SW	Y	See ¹
16	Proliant: DL760 (G2), DL760 ¹⁵	PCI-X	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Datacenter: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex: LP10000-E ^{3, 28, 29} , LP10000DC-E ^{3, 28, 29} , LP1050-E ^{3, 29, 30} , LP1050DC-E ^{3, 29, 30} , HPQ FCA2101 (LP952) ^{3, 32, 33}	FC-AL, FC-SW	Y	See ¹
17	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex: LP10000-E ^{3, 28, 29} , LP10000DC-E ^{3, 28, 29} , LP1050-E ^{3, 29, 30} , LP1050DC-E ^{3, 29, 30} , LP8000-EMC ^{3, 5, 6} , LP9002-E (LP9002L-E) ^{3, 6} , LP9802-E ^{3, 7, 8} , LP9802DC-E ^{3, 7, 8, 20} , LP982-E ^{3, 7, 8, 9} , HPQ: A7298A (LP982) ^{3, 8, 28} , DS-KGPSA-CA (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CB (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CY (LP8000) ^{3, 7, 25, 28} , FCA2101 (LP952) ^{3, 32, 33} , FCA2214 (QLA2340) ^{11, 26} , FCA2214DC (QLA2342) ^{11, 26} , FCA2384 (LP9802) ^{3, 8, 31} , FCA2404 (LP9802) ^{3, 8, 28} , FCA2404DC (LP9802DC) ^{3, 8, 28} , FCA2408 (LP982) ^{3, 8, 28} , QLogic: QLA2340-E-SP11, 13, QLA2342-E-SP11, 13	FC-AL, FC-SW	Y	See ¹
18	Proliant: BL40p, DL740	PCI-X	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex: LP10000-E ^{3, 28, 29} , LP10000DC-E ^{3, 28, 29} , LP1050-E ^{3, 29, 30} , LP1050DC-E ^{3, 29, 30} , LP8000-EMC ^{3, 5, 6} , LP9802-E ^{3, 7, 8} , LP9802DC-E ^{3, 7, 8, 20} , LP982-E ^{3, 7, 8, 9} , HPQ: A7298A (LP982) ^{3, 8, 28} , DS-KGPSA-CA (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CB (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CY (LP8000) ^{3, 7, 25, 28} , FCA2101 (LP952) ^{3, 32, 33} , FCA2214 (QLA2340) ^{11, 26} , FCA2214DC (QLA2342) ^{11, 26} , FCA2384 (LP9802) ^{3, 8, 31} , FCA2404 (LP9802) ^{3, 8, 28} , FCA2404DC (LP9802DC) ^{3, 8, 28} , FCA2408 (LP982) ^{3, 8, 28} , QLogic: QLA2340-E-SP11, 13, QLA2342-E-SP11, 13	FC-AL, FC-SW	Y	See ¹
19	Proliant: DL740, DL760 (G2), DL760 ¹⁵	PCI-X	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	QLogic QLA2300F-E-SP20, 26, 27	FC-AL, FC-SW	Y	
20	Proliant: DL760 (G2), DL760 ¹⁵	PCI-X	Microsoft Windows 2000 Advanced Server; SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Datacenter SP4 ² Server; SP2 ^{2, 14} , Server SP3 ^{2, 14} , Server SP4 ²	Emulex: LP8000-EMC ^{3, 5, 6} , LP9802-E ^{3, 7, 8} , LP9802DC-E ^{3, 7, 8, 20} , LP982-E ^{3, 7, 8, 9} , HPQ: A7298A (LP982) ^{3, 8, 28} , DS-KGPSA-CA (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CB (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CY (LP8000) ^{3, 7, 25, 28} , FCA2101 (LP952) ^{3, 32, 33} , FCA2214 (QLA2340) ^{11, 26} , FCA2214DC (QLA2342) ^{11, 26} , FCA2384 (LP9802) ^{3, 8, 31} , FCA2404 (LP9802) ^{3, 8, 28} , FCA2404DC (LP9802DC) ^{3, 8, 28} , FCA2408 (LP982) ^{3, 8, 28} , QLogic: QLA2340-E-SP11, 13, QLA2342-E-SP11, 13	FC-AL, FC-SW	Y	See ¹

HPQ – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
21	Proliant: DL760 (G2), DL760 ¹⁵	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ^{2, 14} , SP4 ² ; Microsoft Windows 2000 Datacenter: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex: LP8000-EMC ^{3, 5, 6, 25} , LP9002-E (LP9002L-E) ^{3, 6, 25}	FC-AL, FC-SW	Y	
22	Proliant: DL760 (G2), DL760 ¹⁵	PCI-X	Microsoft Windows 2000 Datacenter SP2 ^{2, 14}	QLogic QLA2342-E-SP ^{11, 13}	FC-AL, FC-SW	Y	
23	Proliant: DL760 (G2), DL760 ¹⁵	PCI-X	Microsoft Windows 2000 Datacenter SP3 ^{2, 14}	QLogic QLA2342-E-SP ^{11, 13, 26}	FC-AL, FC-SW	Y	
24	Proliant: DL760 (G2), DL760 ¹⁵	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ^{2, 14} , SP3 ^{2, 14}	Emulex: LP9802-E ^{3, 7, 8} , LP9802DC-E ^{3, 7, 8, 20} , LP982-E ^{3, 7, 8, 9} ; HPQ: A7298A (LP982) ^{3, 8, 28} , DS-KGPSA-CA (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CB (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CY (LP8000) ^{3, 7, 25, 28} , FCA2214 (QLA2340) ^{11, 26} , FCA2214DC (QLA2342) ^{11, 26} , FCA2384 (LP9802) ^{3, 8, 31} , FCA2404 (LP9802) ^{3, 8, 28} , FCA2404DC (LP9802DC) ^{3, 8, 28} , FCA2408 (LP982) ^{3, 8, 28} ; QLogic QLA2340-E-SP ^{11, 13}	FC-AL, FC-SW	Y	
25	Proliant: DL760 (G2), DL760 ¹⁵	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex LP9002-E (LP9002L-E) ^{3, 6, 9, 16}	FC-AL, FC-SW	Y	See ¹
26	Proliant: BL40p, DL740, DL760 (G2), DL760 ¹⁵	PCI-X	Microsoft Windows 2000 Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex LP9002-E (LP9002L-E) ^{3, 6}	FC-AL, FC-SW	Y	See ¹
27	Proliant BL20p (G2)	PCI-X ²	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	HPQ Dual-port mezzanine controller card ^{11, 21}	FC-AL, FC-SW	Y	See ¹
28	Proliant: DL580(G2) ¹⁵ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	Emulex: LP10000-E ^{3, 28, 29} , LP10000DC-E ^{3, 28, 29} , LP1050-E ^{3, 29, 30} , LP1050DC-E ^{3, 29, 30} , LP8000-EMC ^{3, 5, 6} , LP9002-E (LP9002L-E) ^{3, 6} , LP9802-E ^{3, 7, 8} , LP9802DC-E ^{3, 7, 8, 20} , LP982-E ^{3, 7, 8, 9} ; HPQ: A7298A (LP982) ^{3, 8, 28} , DS-KGPSA-CA (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CB (LP8000) ^{3, 7, 25, 28} , DS-KGPSA-CY (LP8000) ^{3, 7, 25, 28} , FCA2101 (LP952) ^{3, 32, 33} , FCA2214 (QLA2340) ^{11, 26} , FCA2214DC (QLA2342) ^{11, 26} , FCA2384 (LP9802) ^{3, 8, 31} , FCA2404 (LP9802) ^{3, 8, 28} , FCA2404DC (LP9802DC) ^{3, 8, 28} , FCA2408 (LP982) ^{3, 8, 28} ; QLogic: QLA2340-E-SP ^{11, 13} , QLA2342-E-SP ^{11, 13}	FC-AL, FC-SW	Y	See ¹
29	Proliant DL760 ¹⁵	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	QLogic QLA2300F-E-SP ^{20, 26, 27}	FC-AL, FC-SW	Y	
30	Proliant DL380(G3)	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	QLogic QLA2310F-E-SP ^{11, 12, 20}	FC-AL ¹⁰ , FC-SW	Y	See ¹
31	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{15, 19} , 1850 ¹⁵ , 2500 ¹⁵ , 3000 ¹⁵ , 5000 ¹⁵ , 5500 ^{15, 18} , 6000 ^{15, 18} , 6400R ¹⁵ , 6500 ^{15, 18} , 7000 ^{15, 18} , 8000 ^{15, 18} , 850 ¹⁵ , DL320 ¹⁵ , DL360(G2) ^{15, 17} , DL360 ¹⁵ , DL380(G2) ¹⁵ , DL380 ¹⁵ , DL580 ¹⁵ , ML350(G2) ¹⁵ , ML350(G3), ML350 ¹⁵ , ML370(G2), ML370(G3), ML370 ¹⁵ , ML530(G2) ¹⁵ , ML530 ¹⁵ , ML570 ¹⁵ , ML750 ⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	QLogic QLA2310F-E-SP ^{11, 12}	FC-AL ¹⁰ , FC-SW	Y	See ¹
32	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP2 ^{2, 14} , Server SP3 ^{2, 14} , Server SP4 ²	QLogic QLA2310F-E-SP ^{11, 12}	FC-AL ¹⁰ , FC-SW	Y	See ¹

HPQ – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
33	Proliant DL380(G3)	PCI	Microsoft Windows 2000 Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² ,	QLogic QLA2310F-E-SP ^{11, 12}	FC-AL ¹⁰ FC-SW	Y	See ¹
34	Proliant: BL40p, DL360(G3), DL560, DL740, ML570(G2)	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² ,	QLogic QLA2310F-E-SP ^{11, 12}	FC-AL ¹⁰ FC-SW	Y	See ¹
35	Proliant: DL760 (G2), DL760 ¹⁵	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000: Datacenter SP4 ² Server SP2 ^{2, 14} Server SP3 ^{2, 14} , Server SP4 ²	QLogic QLA2310F-E-SP ^{11, 12}	FC-AL ¹⁰ FC-SW	Y	See ¹
36	Proliant: DL760 (G2), DL760 ¹⁵	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ^{2, 14} , SP3 ^{2, 14}	QLogic QLA2310F-E-SP ^{11, 12}	FC-AL ¹⁰ FC-SW	Y	
37	Proliant: DL580(G2) ¹⁵ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² ,	QLogic QLA2310F-E-SP ^{11, 12}	FC-AL ¹⁰ FC-SW	Y	See ¹
38	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Datacenter: SP2 ^{2, 14} , SP3 ^{2, 14} , Microsoft Windows 2000 Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² ,	HPQ: FCA2354 (LP9002) ^{3, 9, 20, 23, 24, 25} , FCA2355 (LP9002DC) ^{3, 9, 20, 23, 24, 25}	FC-SW	Y	See ¹
39	Proliant: 6400R ¹⁵ , DL320 ¹⁵ , DL360(G2) ¹⁵ , DL360 ¹⁵ , DL380(G2) ¹⁵ , DL380(G3), DL380 ¹⁵ , DL580 ¹⁵ , ML350(G2) ¹⁵ , ML350(G3), ML350 ¹⁵ , ML370(G2), ML370(G3), ML370 ¹⁵ , ML530(G2) ¹⁵ , ML530 ¹⁵ , ML570 ¹⁵ , ML750 ¹⁵	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² ,	HPQ: FCA2354 (LP9002) ^{3, 25} , FCA2355 (LP9002DC) ^{3, 25}	FC-SW	Y	See ¹
40	Proliant DL760 ¹⁵	PCI-X	Microsoft Windows 2000 Advanced Server SP2 ^{2, 14}	HPQ: FCA2354 (LP9002) ^{3, 25} , FCA2355 (LP9002DC) ^{3, 25}	FC-SW	Y	See ¹
41	Proliant: BL40p, DL360(G3), DL560, DL740, ML570(G2)	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² ,	HPQ: FCA2354 (LP9002) ^{3, 25} , FCA2355 (LP9002DC) ^{3, 25}	FC-SW	Y	See ¹
42	Proliant DL760 (G2)	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Datacenter: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² ,	HPQ: FCA2354 (LP9002) ^{3, 9, 20, 23, 24, 25} , FCA2355 (LP9002DC) ^{3, 9, 20, 23, 24, 25}	FC-SW	Y	
43	Proliant DL760 ¹⁵	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ^{2, 14} , SP4 ² , Microsoft Windows 2000 Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² ,	HPQ: FCA2354 (LP9002) ^{3, 9, 20, 23, 24, 25} , FCA2355 (LP9002DC) ^{3, 9, 20, 23, 24, 25}	FC-SW	Y	See ¹

HPQ – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
44	Proliant DL760 ¹⁵	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	HPQ: FCA2354 (LP9002) ^{3, 9, 20, 23, 24, 25} , FCA2355 (LP9002DC) ^{3, 9, 20, 23, 24, 25}	FC-SW	Y	
45	Proliant: DL580(G2) ¹⁵ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 14} , SP3 ^{2, 14} , SP4 ²	HPQ: FCA2354 (LP9002) ^{3, 25} , FCA2355 (LP9002DC) ^{3, 25}	FC-SW	Y	See ¹

- CLARiON FC4500 array is also supported for these configurations.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Driver Version 2.21a7.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supported by direct attach only
- Driver Version 8.2.3.21.
- If using ATF/CDE, requires 2.1.6 or greater.
- PowerPath supported. ATF/CDE not supported.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Requires minimum BIOS v4.01 rev A (5/17/2002) for use with Emulex HBAs.
- Includes both Pentium PRO and XEON models
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports BIOS 1.34. Supports SNIA HBA API. Driver and BIOS available at <http://www.qlogic.com>.**
- Dual port PCI-X fibre channel mezzanine card option is embedded. No PCI/PCI-X slots available.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.

- Firmware Version 3.90a7.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.1.20.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 1.80a3.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. Supports SNIA HBA API.**
- EMC does not support the Emulex equivalent of the FCA2101 (LP952.) Use EMC supported driver for LP9002 from <http://www.emulex.com>.**
- Firmware Version 3.90a7. Contact HPQ for supported firmware versions for this HBA.

IBM

IBM – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	Emulex LP8000-EMC ^{1, 2, 4} ; IBM: 19K1246(QLA2310) ^{12, 18, 19} , 24P0960(QLA2340) ^{12, 14, 19, 21} ; QLogic: QLA2340-E-SP7 ¹² , QLA2342-E-SP7 ¹²	FC-AL, FC-SW	Y	See ³
2	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵ ; Microsoft Windows 2000 Datacenter SP4 ⁵	Emulex LP9002-E (LP9002L-E) ^{2, 4, 6} ; QLogic: QLA2340-E-SP7 ¹² , QLA2342-E-SP7 ¹²	FC-AL, FC-SW	Y	See ³
3	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵ ; Microsoft Windows 2000 Datacenter SP4 ⁵	Emulex: LP9002-E (LP9002L-E) ^{2, 4, 6} , LP9802-E ^{4, 7, 8, 9} , LP982-E ^{4, 7, 8, 9, 10} ; IBM 24P0960(QLA2340) ^{12, 14, 19, 21} ; QLogic: QLA2340-E-SP7 ^{12, 14} , QLA2342-E-SP7 ^{12, 14}	FC-AL, FC-SW	Y	See ³
4	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵ ; Microsoft Windows 2000 Datacenter: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	Emulex: LP10000-E ^{4, 35, 36} , LP10000DC-E ^{4, 35, 36} , LP1050-E ^{4, 35, 39} , LP1050DC-E ^{4, 35, 39} , LP9802-E ^{4, 7, 8, 9} , LP9802DC-E ^{4, 7, 8, 9} , LP982-E ^{4, 7, 8, 9, 10} ; IBM 24P0960(QLA2340) ^{12, 14, 19, 21}	FC-AL, FC-SW	Y	See ³
5	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	Emulex LP8000-EMC ^{1, 2, 4} ; IBM: 19K1246(QLA2310) ^{12, 18, 19} , 24P0960(QLA2340) ^{12, 19, 21} ; QLogic: QLA2340-E-SP12 ¹⁴ , QLA2342-E-SP12 ¹⁴	FC-AL, FC-SW	Y	See ³
6	Netfinity 7000 M10 ¹⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	Emulex LP8000-EMC ^{1, 2, 4} ; QLogic: QLA2340-E-SP12 ¹⁴ , QLA2342-E-SP12 ¹⁴	FC-AL, FC-SW	Y	See ³

IBM – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
7	xSeries: X330 ¹⁷ , X335, X340 (4500R) ¹⁷ , X342 ¹⁷ , x230, x232 ¹⁷ , x240 ¹⁷ , x250 ¹⁷ , x255 ¹⁷ , x350 (6000R) ¹⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	Emulex: LP10000-E ⁴ , 35, 36, LP10000DC-E ⁴ , 35, 36, LP1050-E ⁴ , 35, 39, LP1050DC-E ⁴ , 35, 39, LP8000-EMC ¹ , 2, 4, LP9002-E (LP9002L-E) ² , 4, LP9802-E ⁴ , 8, 9, LP9802DC-E ⁴ , 7, 8, 9, LP982-E ⁴ , 8, 9, 10, IBM: 19K1246(QLA2310) ¹² , 18, 19, 24P0960(QLA2340) ¹² , 19, 21, QLogic: QLA2340-E-SP ¹² , 14, QLA2342-E-SP ¹² , 14	FC-AL, FC-SW	Y	See ³
8	xSeries x370 ¹⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	IBM 24P0960(QLA2340) ¹² , 19, 21	FC-AL, FC-SW	Y	See ³
9	Netfinity 7000 M10 ²⁰	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	IBM: 19K1246(QLA2310) ¹² , 18, 19, 24P0960(QLA2340) ¹² , 19, 21	FC-AL, FC-SW	Y	See ³
10	Netfinity: 8500, 8500R; xSeries x370 ¹⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	QLogic QLA2300F-E-SP ⁷ , 19, 29	FC-AL, FC-SW	Y	
11	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP2 ⁵ , 15, Server SP3 ⁵ , 15, Server SP4 ⁵	Emulex LP8000-EMC ¹ , 2, 4, IBM 19K1246(QLA2310) ¹² , 18, 19	FC-AL, FC-SW	Y	See ³
12	xSeries x370 ¹⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP2 ⁵ , 15, Server SP3 ⁵ , 15, Server SP4 ⁵	Emulex: LP10000-E ⁴ , 35, 36, LP10000DC-E ⁴ , 35, 36, LP1050-E ⁴ , 35, 39, LP1050DC-E ⁴ , 35, 39, LP8000-EMC ¹ , 2, 4, LP9002-E (LP9002L-E) ² , 4, LP9802-E ⁴ , 8, 9, LP9802DC-E ⁴ , 7, 8, 9, LP982-E ⁴ , 8, 9, 10, IBM 19K1246(QLA2310) ¹² , 18, 19, QLogic: QLA2340-E-SP ¹² , 14, QLA2342-E-SP ¹² , 14	FC-AL, FC-SW	Y	See ³
13	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP2 ⁵ , 15, Server SP3 ⁵ , 15, Server SP4 ⁵	Emulex: LP10000-E ⁴ , 35, 36, LP10000DC-E ⁴ , 35, 36, LP1050-E ⁴ , 35, 39, LP1050DC-E ⁴ , 35, 39, LP8000-EMC ¹ , 2, 4, LP9802DC-E ⁴ , 7, 8, 9, IBM 19K1246(QLA2310) ¹² , 18, 19	FC-AL, FC-SW	Y	See ³
14	Netfinity: 8500, 8500R; xSeries x370 ¹⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Datacenter: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	IBM 00N6881 (QLA2200) ^{30, 31, 32, 33}	FC-AL, FC-SW	Y	
15	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ²⁰ , 7100, 7600; xSeries: X330 ¹⁷ , X335, X340 (4500R) ¹⁷ , X342 ¹⁷ , x230, x232 ¹⁷ , x240 ¹⁷ , x250 ¹⁷ , x255 ¹⁷ , x350 (6000R) ¹⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	IBM 00N6881 (QLA2200) ^{30, 31, 32, 33}	FC-AL, FC-SW	Y	
16	xSeries x370	PCI	Microsoft Windows 2000 Advanced Server: SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Datacenter: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	Emulex: LP8000-EMC ¹ , 2, 4, 34, LP9002-E (LP9002L-E) ² , 4, 34	FC-AL, FC-SW	Y	
17	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	Emulex LP8000-EMC ¹ , 2, 4, 34	FC-AL, FC-SW	Y	
18	xSeries x370	PCI	Microsoft Windows 2000 Datacenter SP2 ⁵ , 15	IBM 24P0960(QLA2340) ¹² , 19, 21, QLogic QLA2342-E-SP ¹² , 14	FC-AL, FC-SW	Y	
19	xSeries x370	PCI	Microsoft Windows 2000 Datacenter SP3 ⁵ , 15	IBM 24P0960(QLA2340) ¹² , 14, 19, 21, QLogic QLA2342-E-SP ¹² , 14, 19	FC-AL, FC-SW	Y	
20	xSeries x370 ¹⁷	PCI	Microsoft Windows 2000 Datacenter SP4 ⁵	IBM 24P0960(QLA2340) ¹² , 14, 19, 21	FC-AL, FC-SW	Y	See ³
21	Netfinity 8500; xSeries x370 ¹⁷	PCI	Microsoft Windows 2000 Datacenter: SP2 ⁵ , 15, SP3 ⁵ , 15	Emulex: LP10000-E ⁴ , 35, 36, LP10000DC-E ⁴ , 35, 36, LP1050-E ⁴ , 35, 39, LP1050DC-E ⁴ , 35, 39	FC-AL, FC-SW	Y	
22	xSeries x370	PCI	Microsoft Windows 2000 Datacenter: SP2 ⁵ , 15, SP3 ⁵ , 15	Emulex: LP9802-E ⁴ , 8, 9, LP9802DC-E ⁴ , 7, 8, 9, LP982-E ⁴ , 8, 9, 10, IBM 19K1246(QLA2310) ¹² , 18, 19, QLogic QLA2340-E-SP ¹² , 14	FC-AL, FC-SW	Y	

IBM – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
23	Netfinity 6000R	PCI	Microsoft Windows 2000 Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	Emulex LP8000-EMC ^{1, 2, 4} , IBM: 19K1246(QLA2310) ^{12, 18, 19} , 24P0960(QLA2340) ^{12, 14, 19, 21} , QLogic: QLA2340-E-SP ^{7, 12} , QLA2342-E-SP ^{7, 12}	FC-AL, FC-SW	Y	
24	Netfinity 8500R	PCI	Microsoft Windows 2000 Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	Emulex LP9002-E (LP9002L-E) ^{2, 4, 6, 10} , QLogic: QLA2340-E-SP ^{7, 12, 22} , QLA2342-E-SP ^{7, 12, 22}	FC-AL, FC-SW	Y	See ³
25	Netfinity 8500	PCI	Microsoft Windows 2000 Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	Emulex: LP9002-E (LP9002L-E) ^{2, 4} , LP9802-E ^{4, 8, 9} , LP982-E ^{4, 8, 9, 10} , IBM 24P0960(QLA2340) ^{12, 19, 21} , QLogic: QLA2340-E-SP ^{12, 14} , QLA2342-E-SP ^{12, 14}	FC-AL, FC-SW	Y	See ³
26	xSeries x440 ¹⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵ , Microsoft Windows 2000 Datacenter: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵ , Microsoft Windows 2000 Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	Emulex: LP10000-E ^{4, 35, 36} , LP10000DC-E ^{4, 35, 36} , LP1050-E ^{4, 35, 39} , LP1050DC-E ^{4, 35, 39} , IBM 19K1246(QLA2310) ^{12, 18, 19}	FC-AL, FC-SW	Y	See ³
27	xSeries x440	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵ , Microsoft Windows 2000 Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	Emulex: LP10000-E ^{4, 35, 36} , LP10000DC-E ^{4, 35, 36} , LP1050-E ^{4, 35, 39} , LP1050DC-E ^{4, 35, 39}	FC-AL, FC-SW	Y	
28	xSeries: x235 ¹⁷ , x360 ¹⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵ , Microsoft Windows 2000 Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	Emulex: LP10000-E ^{4, 35, 36} , LP10000DC-E ^{4, 35, 36} , LP1050-E ^{4, 35, 39} , LP1050DC-E ^{4, 35, 39} , LP8000-EMC ^{1, 2, 4} , LP9002-E (LP9002L-E) ^{2, 4} , LP9802-E ^{4, 8, 9} , LP9802DC-E ^{4, 7, 8, 9} , LP982-E ^{4, 8, 9, 10} , IBM: 19K1246(QLA2310) ^{12, 18, 19} , 24P0960(QLA2340) ^{12, 19, 21} , QLogic: QLA2340-E-SP ^{12, 14} , QLA2342-E-SP ^{12, 14}	FC-AL, FC-SW	Y	See ³
29	eServer BladeCenter HS20 (Model: 8678) ²⁷ , 8832) ²⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵ , Microsoft Windows 2000 Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{37, 38}	FC-AL, FC-SW	Y	
30	xSeries x440 ¹⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵ , Microsoft Windows 2000 Datacenter SP4 ⁵ , Server: SP2 ^{5, 15} , Server SP3 ^{5, 15} , Server SP4 ⁵	Emulex: LP8000-EMC ^{1, 2, 4} , LP9002-E (LP9002L-E) ^{2, 4} , LP9802-E ^{4, 8, 9} , LP9802DC-E ^{4, 7, 8, 9} , LP982-E ^{4, 8, 9, 10} , IBM 24P0960(QLA2340) ^{12, 19, 21} , QLogic: QLA2340-E-SP ^{12, 14} , QLA2342-E-SP ^{12, 14}	FC-AL, FC-SW	Y	See ³
31	xSeries x440 ¹⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 15} , SP4 ⁵ , Microsoft Windows 2000 Datacenter: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵ , Microsoft Windows 2000 Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	IBM 00N6881 (QLA2200) ^{30, 32, 33}	FC-AL, FC-SW	Y	
32	xSeries: x235 ¹⁷ , x360 ¹⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 15} , SP4 ⁵ , Microsoft Windows 2000 Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	IBM 00N6881 (QLA2200) ^{30, 32, 33}	FC-AL, FC-SW	Y	
33	xSeries x440 ¹⁷	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	Emulex: LP10000-E ^{4, 35, 36} , LP10000DC-E ^{4, 35, 36} , LP1050-E ^{4, 35, 39} , LP1050DC-E ^{4, 35, 39}	FC-AL, FC-SW	Y	
34	xSeries x440	PCI-X	Microsoft Windows 2000 Datacenter: SP3 ^{5, 15} , SP4 ⁵	QLogic QLA2342-E-SP ^{12, 19}	FC-AL, FC-SW	Y	
35	xSeries x445	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵ , Microsoft Windows 2000 Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	Emulex: LP10000-E ^{4, 35, 36} , LP10000DC-E ^{4, 35, 36} , LP1050-E ^{4, 35, 39} , LP1050DC-E ^{4, 35, 39} , LP8000-EMC ^{1, 2, 4, 28} , LP9002-E (LP9002L-E) ^{2, 4, 7} , LP9802-E ^{4, 8, 9, 10} , LP9802DC-E ^{4, 7, 8, 9} , LP982-E ^{4, 8, 9, 10} , IBM: 19K1246(QLA2310) ^{12, 18, 19} , 24P0960(QLA2340) ^{12, 19, 21} , QLogic: QLA2340-E-SP ^{12, 14} , QLA2342-E-SP ^{12, 14}	FC-AL, FC-SW	Y	See ³
36	xSeries x345 ¹⁷	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵ , Microsoft Windows 2000 Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	Emulex: LP10000-E ^{4, 35, 36} , LP10000DC-E ^{4, 35, 36} , LP1050-E ^{4, 35, 39} , LP1050DC-E ^{4, 35, 39} , LP8000-EMC ^{1, 2, 4} , LP9002-E (LP9002L-E) ^{2, 4} , LP9802-E ^{4, 8, 9} , LP9802DC-E ^{4, 7, 8, 9} , LP982-E ^{4, 8, 9, 10} , IBM: 19K1246(QLA2310) ^{12, 18, 19} , 24P0960(QLA2340) ^{12, 19, 21} , QLogic: QLA2340-E-SP ^{12, 14} , QLA2342-E-SP ^{12, 14}	FC-AL, FC-SW	Y	See ³
37	xSeries x440 ¹⁷	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵ , Microsoft Windows 2000 Server: SP2 ^{5, 15} , SP3 ^{5, 15} , SP4 ⁵	QLogic QLA2300F-E-SP ^{7, 19, 29}	FC-AL, FC-SW	Y	

IBM – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
38	xSeries: x345 ¹⁷ , x445	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	IBM 00N6881 (QLA2200) ^{30, 32, 33}	FC-AL, FC-SW	Y	
39	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	QLogic QLA2310F-E-SP7, 12	FC-AL ¹³ FC-SW	Y	See ³
40	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Datacenter SP4 ⁵	QLogic QLA2310F-E-SP7, 11, 12	FC-AL ¹³ FC-SW	Y	See ³
41	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Datacenter SP4 ⁵	QLogic QLA2310F-E-SP7, 12	FC-AL ¹³ FC-SW	Y	See ³
42	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁶ , 7100, 7600; xSeries: X330 ¹⁷ , X335, X340 (4500R) ¹⁷ , X342 ¹⁷ , x230, x232 ¹⁷ , x240 ¹⁷ , x250 ¹⁷ , x255 ¹⁷ , x350 (6000R) ¹⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	QLogic QLA2310F-E-SP11, 12	FC-AL ¹³ FC-SW	Y	See ³
43	xSeries x370 ¹⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP2 ⁵ , 15, Server SP3 ⁵ , 15, Server SP4 ⁵	QLogic QLA2310F-E-SP11, 12	FC-AL ¹³ FC-SW	Y	See ³
44	xSeries x370	PCI	Microsoft Windows 2000 Datacenter: SP2 ⁵ , 15, SP3 ⁵ , 15	QLogic QLA2310F-E-SP11, 12	FC-AL ¹³ FC-SW	Y	
45	Netfinity 8500R	PCI	Microsoft Windows 2000 Datacenter: SP2 ⁵ , 15, SP3 ⁵ , 15; Microsoft Windows 2000 Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	QLogic QLA2310F-E-SP12	FC-AL ¹³ FC-SW	Y	See ³
46	Netfinity 8500	PCI	Microsoft Windows 2000 Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	QLogic QLA2310F-E-SP11, 12	FC-AL ¹³ FC-SW	Y	See ³
47	Netfinity 6000R	PCI	Microsoft Windows 2000 Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	QLogic QLA2310F-E-SP7, 12	FC-AL ¹³ FC-SW	Y	
48	xSeries: x235 ¹⁷ , x360 ¹⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	QLogic QLA2310F-E-SP11, 12	FC-AL ¹³ FC-SW	Y	See ³
49	xSeries x440 ¹⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP2 ⁵ , 15, Server SP3 ⁵ , 15, Server SP4 ⁵	QLogic QLA2310F-E-SP11, 12	FC-AL ¹³ FC-SW	Y	See ³
50	xSeries x440 ¹⁷	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ⁵ , 15, SP3 ⁵ , 15	QLogic QLA2310F-E-SP12	FC-AL ¹³ FC-SW	Y	See ³
51	xSeries: x345 ¹⁷ , x445	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	QLogic QLA2310F-E-SP11, 12	FC-AL ¹³ FC-SW	Y	See ³
52	eServer BladeCenter HS20 (Model: 8678) ²⁷ , 8832 ²⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , 15, SP3 ⁵ , 15, SP4 ⁵	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{12, 23, 24, 25, 26} , 02R9080 ^{24, 25}	FC-SW	Y	

- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- CLARiiON FC4500 array is also supported for these configurations.
- Driver Version 2.21a7.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- If using ATF/CDE, requires 2.1.6 or greater.
- Driver Version 8.2.3.21.
- Supported by direct attach only
- PowerPath supported. ATF/CDE not supported.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- This server only supports 5 Volt HBAs: qLogic 22XX family, qLogic 23XX family, Emulex LP8000, and Emulex LP850
-

For IBM xSeries Servers running Windows NT and Windows 2000 with IBM ServerRaid controller 4M, the ServerRaid Driver must be 6.00 or above for use with EMC PowerPath 3.0 and above. IBM driver can be downloaded at: <http://www-3.ibm.com/pc/support/site.wss/document.do?Indocid=MIGR-39723>

- 18. This HBA is equivalent to the qLogic QLA2310.
- 19. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- 20. This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- 21. This HBA is equivalent to the qLogic QLA2340.
- 22. If using ATF/CDE, requires 2.0.9 or greater.
- 23. Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.
- 24. **Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
- 25. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

- 26. Due to the HS20's embedded FC-SW design, EMC Access Logix is required to assign LUNS to each individual blade server.
- 27. EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
- 28. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- 29. Driver Version 8.2.1.20.
- 30. Driver Version 8.1.5.20.
- 31. For IBM Netfinity and xSeries Intel servers only.
- 32. (QLA2200) For IBM xSeries and Netfinity servers only.
- 33. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- 34. Firmware Version 3.90a7.
- 35. Firmware Version 1.80a3.
- 36. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- 37. **Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)**
- 38. **Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.**
- 39. **Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

NCR

NCR – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Worldmark 45xx	MCA	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{3, 15, 16} , LP10000DC-E ^{3, 15, 16} , LP1050-E ^{3, 16, 17} , LP1050DC-E ^{3, 16, 17} , LP8000-EMC ^{3, 12, 13} , LP9002-E (LP9002L-E) ^{3, 12} , LP9802-E ^{3, 4, 6} , LP9802DC-E ^{3, 4, 5, 6} , LP982-E ^{3, 4, 6, 11} ; QLogic: QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y
2	Worldmark 45xx	MCA	Microsoft Windows 2000 Advanced Server: SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP8000-EMC ^{3, 12, 13, 14} , LP9002-E (LP9002L-E) ^{3, 12, 14}	FC-AL, FC-SW	Y
3	Worldmark: 4500, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{3, 15, 16} , LP10000DC-E ^{3, 15, 16} , LP1050-E ^{3, 16, 17} , LP1050DC-E ^{3, 16, 17} , LP8000-EMC ^{3, 12, 13} , LP9002-E (LP9002L-E) ^{3, 12} , LP9802-E ^{3, 4, 6} , LP9802DC-E ^{3, 4, 5, 6} , LP982-E ^{3, 4, 6, 11} ; QLogic: QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y
4	Worldmark: 4500, 4700, 47XX, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	PCI	Microsoft Windows 2000 Advanced Server: SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP8000-EMC ^{3, 12, 13, 14} , LP9002-E (LP9002L-E) ^{3, 12, 14}	FC-AL, FC-SW	Y
5	Worldmark 45xx	MCA	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ^{8, 10}	FC-AL ⁹ , FC-SW	Y
6	Worldmark: 4500, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ^{8, 10}	FC-AL ⁹ , FC-SW	Y

- 1. EMC recommends that HBAs of different vendors not be used in the same host server.
- 2. **Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- 3. Driver Version 2.21a7.
- 4. Firmware Version 1.01a2.
- 5. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- 6. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- 7. PowerPath supported. ATF/CDE not supported.
- 8. Driver Version 8.2.3.21.
- 9. Supported by direct attach only
- 10. If using ATF/CDE, requires 2.1.6 or greater.
- 11. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- 12. Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- 13. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- 14. Firmware Version 3.90a7.
- 15. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- 16. Firmware Version 1.80a3.
- 17. **Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

NE

NE – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	P7000	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 10} , SP3 ^{2, 10} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 10} , SP3 ^{2, 10} , SP4 ²	Emulex LP8000-EMC ^{3, 4, 5} , QLogic: QLA2340-E-SP ^{7, 9} , QLA2342-E-SP ^{7, 9}	FC-AL, FC-SW	Y	See ¹

NE – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
2	P7000	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 10} , SP3 ^{2, 10} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 10} , SP3 ^{2, 10} , SP4 ²	QLogic QLA2310F-E-SP ^{6, 7}	FC-AL ⁸ , FC-SW	Y	See ¹

1. CLARiiON FC4500 array is also supported for these configurations.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. Driver Version 2.21a7.
4. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
5. Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
6. If using ATF/CDE, requires 2.1.6 or greater.
7. Driver Version 8.2.3.21.
8. Supported by direct attach only
9. PowerPath supported. ATF/CDE not supported.
10. Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.

NEC

NEC – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800 320Mc-R	PCI	Microsoft Windows 2000 Advanced Server SP3 ^{1, 2, 26}	NEC N8803-031 (QLA2310F) ^{3, 16, 27} , QLogic QLA2310F-E-SP ^{3, 8}	FC-AL, FC-SW	N	See ^{5, 6}
2	Express 5800: 320La-R ⁷ , 320La ⁷ , 320Lb-R ⁷ , 320Lb ⁷ , 330Ma-R ⁷ , 330Mb-R ⁷ , 340Ha-R ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 8}	FC-AL, FC-SW	N	See ^{4, 5, 6}
3	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	NEC: N8190-105 ^{9, 10, 14} , N8503-200 ^{9, 10}	FC-AL, FC-SW	Y	
4	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{9, 14, 24} , LP10000DC-E ^{9, 14, 24} , LP1050-E ^{9, 24, 25} , LP1050DC-E ^{9, 24, 25} , LP8000-EMC ^{9, 20, 23} , LP9002-E (LP9002L-E) ^{9, 12, 13, 19, 20} , LP9802-E ^{9, 12, 21, 22} , LP9802DC-E ^{9, 13, 21, 22} , LP982-E ^{9, 12, 21, 22} ; NEC: N8103-200 ^{9, 10, 11, 14} , N8190-105 ^{9, 10, 12, 13, 14} , N8503-200 ^{9, 10, 11} ; QLogic: QLA2300F-E-SP ^{13, 17} , QLA2340-E-SP ^{8, 13} , QLA2342-E-SP ^{8, 13}	FC-AL, FC-SW	Y	
5	Express 5800 140Ra-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{9, 14, 24} , LP10000DC-E ^{9, 14, 24} , LP1050-E ^{9, 24, 25} , LP1050DC-E ^{9, 24, 25} , LP8000-EMC ^{9, 20, 23} , LP9002-E (LP9002L-E) ^{9, 12, 13, 19, 20} , LP9802-E ^{9, 12, 21, 22} , LP9802DC-E ^{9, 13, 21, 22} , LP982-E ^{9, 12, 21, 22} ; NEC: N8103-200 ^{9, 10, 14} , N8190-105 ^{9, 10, 12, 13, 14} , N8503-200 ^{9, 10, 11} ; QLogic: QLA2300F-E-SP ^{13, 17} , QLA2340-E-SP ^{8, 13} , QLA2342-E-SP ^{8, 13}	FC-AL, FC-SW	Y	
6	Express 5800: 120Md, 120Ra-2, 120Rc-2, 140Ha, 140Hb, 140Ma, 140Ra-7, 180Ha	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{9, 14, 24} , LP10000DC-E ^{9, 14, 24} , LP1050-E ^{9, 24, 25} , LP1050DC-E ^{9, 24, 25} , LP8000-EMC ^{9, 20, 23} , LP9002-E (LP9002L-E) ^{9, 12, 13, 19, 20} , LP9802-E ^{9, 12, 21, 22} , LP9802DC-E ^{9, 13, 21, 22} , LP982-E ^{9, 12, 21, 22} ; NEC: N8190-105 ^{9, 10, 12, 13, 14} , N8503-200 ^{9, 10, 11} ; QLogic: QLA2300F-E-SP ^{13, 17} , QLA2340-E-SP ^{8, 13} , QLA2342-E-SP ^{8, 13}	FC-AL, FC-SW	Y	
7	Express 5800: 120Rd-1, 120Rd-2, 120Rf-2, 140Hd, 140Rb-4, 140Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP8000-EMC ^{9, 20, 23} , LP9002-E (LP9002L-E) ^{9, 12, 13, 19, 20} , LP982-E ^{9, 21, 22} ; NEC: N8103-200 ^{9, 10, 11, 14} , N8190-105 ^{9, 10, 12, 13, 14} , N8503-200 ^{9, 10, 11}	FC-AL, FC-SW	Y	
8	Express 5800 180Rb-7	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP8000-EMC ^{9, 20, 23} , LP9002-E (LP9002L-E) ^{9, 12, 13, 19, 20} , LP982-E ^{9, 21, 22} ; NEC: N8190-105 ^{9, 10, 12, 13, 14} , N8503-200 ^{9, 10, 11}	FC-AL, FC-SW	Y	
9	Express 5800: 320La-R ⁷ , 320La ⁷ , 320Lb-R ⁷ , 320Lb ⁷ , 330Ma-R ⁷ , 330Mb-R ⁷ , 340Ha-R ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8803-031 (QLA2310F) ^{3, 8, 13, 15, 16}	FC-AL, FC-SW	N	
10	Express 5800 140Ra-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8103-200 ⁹	FC-AL, FC-SW	Y	
11	Express 5800: 120Rd-2, 140Rb-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8103-200 ^{9, 11}	FC-AL, FC-SW	Y	

NEC – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
12	Express 5800: 120Md, 120Ra-2, 120Rc-2, 140Ha, 140Hb, 140Ma, 140Ra-7, 180Ha, 180Rb-7	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8103-200 ^{9, 10, 14}	FC-AL, FC-SW	Y	
13	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC: N8103-200 ^{9, 11} , N8103-200 ^{9, 10, 14}	FC-AL, FC-SW	Y	
14	Express 5800 320Mc-R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8803-031 (QLA2310F) ^{3, 16, 27}	FC-AL, FC-SW	N	
15	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	NEC N8103-200 ^{9, 11}	FC-AL, FC-SW	Y	
16	Express 5800 180Rc-4	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹	NEC N8103-200 ⁹	FC-AL, FC-SW	Y	
17	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server SP2 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 8, 15}	FC-AL ¹⁸	Y	
18	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ^{3, 8}	FC-AL ¹⁸	Y	
19	Express 5800: 120Md, 120Ra-2, 120Rc-2, 140Ha, 140Hb, 140Ma, 140Ra-4, 140Ra-7, 180Ha, 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ^{8, 13}	FC-AL ¹⁸ , FC-SW	Y	

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- Qlogic SANSurfer/SANBlade Manager is not supported.
- For FC-AL, only direct attach is supported.
- FC-SW applies only to CX600, CX400, FC4500, FC4700, and FC5300. FC5300 with FC-SW available from selected channels.
- CLARiiON FC4500 array is also supported for these configurations.
- Bus Enumeration Issue Causes Problems using SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.
By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.
The workaround is to perform "symcfg discover" after rebooting.

- Driver Version 8.2.3.21.
- Driver Version 2.21a7.
- Firmware Version 3.90a7.
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.
The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.

- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Qlogic SanBlade Manager is not supported.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.1.20.
- Supported by direct attach only
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Firmware Version 1.80a3.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
- Refer to the Stratus, Bull or NEC documentation for hardware, software and non-storage related setup and configuration.
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.

SUPERMICRO

SUPERMICRO – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Super: P3TDL ³⁵ , S2DL3 ⁵	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{4, 15} , SP3 ^{4, 15} , SP4 ⁴ ; Microsoft Windows 2000 Server: SP2 ^{4, 15} , SP3 ^{4, 15} , SP4 ⁴	Emulex: LP10000-E ^{6, 16, 17} , LP10000DC-E ^{6, 16, 17} , LP1050-E ^{6, 17, 18} , LP1050DC-E ^{6, 17, 18} , LP8000-EMC ^{1, 2, 6} , LP9002-E (LP9002L-E) ^{2, 6, 7} , LP9802-E ^{6, 8, 9, 10} , LP9802DC-E ^{6, 8, 9, 10} , LP982-E ^{6, 7, 8, 9, 10} ; QLogic: QLA2340-E-SP ^{12, 14} , QLA2342-E-SP ^{12, 14}	FC-AL, FC-SW	Y	See ³

SUPERMICRO – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
2	Super: P3TDL ^{3,5} , S2DL3 ⁵	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,4,15} , SP ^{3,4,15} , SP ^{4,4} ; Microsoft Windows 2000 Server: SP ^{2,4,15} , SP ^{3,4,15} , SP ^{4,4}	QLogic QLA2310F-E-SP ^{11,12}	FC-AL ¹³ FC-SW	Y	See ³

- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- CLARiiON FC4500 array is also supported for these configurations.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- 64-bit slots for 3.3v HBAs only.
- Driver Version 2.21a7.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- If using ATF/CDE, requires 2.1.6 or greater.
- Driver Version 8.2.3.21.
- Supported by direct attach only
- PowerPath supported. ATF/CDE not supported.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 1.80a3.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

Stratus

Stratus – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ftServer 6500 ^{8, 11, 19, 20, 21}	PCI	Microsoft Windows 2000 Advanced Server SP ^{3,1,2,3}	QLogic QLA2310F-E-SP ^{4,12}	FC-AL, FC-SW	N	See ^{5,6}
2	ftServer: 3210 ^{7,8,9,10,11} , 3220 ^{7,8,9,10,11} , 3300 ^{11,16,17,18} , 5200 ^{9,13,14,15}	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,1,2,3} , SP ^{3,1,2,3} , SP ^{4,1}	QLogic QLA2310F-E-SP ^{4,12}	FC-AL, FC-SW	N	See ^{5,6}
3	ftServer: 5240 ^{8,11,19,20,21} , 5600 ^{11,22} , 6600 ^{11,22}	PCI	Microsoft Windows 2000 Advanced Server: SP ^{3,1,2,3} , SP ^{4,1}	QLogic QLA2310F-E-SP ^{4,12}	FC-AL, FC-SW	N	See ^{5,6}

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Refer to the Stratus, Bull or NEC documentation for hardware, software and non-storage related setup and configuration.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- Qlogic SANSurfer/SANBlade Manager is not supported.
- FC-SW applies only to CX600, CX400, FC4500, FC4700, and FC5300. FC5300 with FC-SW available from selected channels.
- CLARiiON FC4500 array is also supported for these configurations.
- Supports Stratus OS 1.2.2.X through 2.1.X.
- Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
- Requires Stratus ftServer OS 1.4.x or greater.
- ftServer OS 1.4.x requires PowerPath 3.0.2.
- ftServer OS 2.1.x requires PowerPath 3.0.5 or greater.
- Driver Version 8.2.3.21.
- Supports Stratus OS 1.2.2.X through 1.4.X.
- Requires Stratus ftServer OS 1.4.x.
- Requires PowerPath 3.0.2.
- Supports Stratus OS 2.0.X through 2.1.X.
- Requires Stratus ftServer OS 2.0.x or greater.
- ftServer OS 2.0.x requires PowerPath 3.0.2.
- Supports Stratus OS 1.3.X through 2.1.X.
- ftServer OS 1.4 requires PowerPath 3.0.2.
- Requires Stratus ftServer OS 1.4.x or 2.1.x.
- Requires Stratus ftServer OS 2.1.x.

Unisys

Unisys – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Libra Model: 180 ^{19,20} , 185	Mainframe Bus, PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,1,3} , SP ^{4,1} ; Microsoft Windows 2000 Server: SP ^{2,1,3} , SP ^{3,1,3} , SP ^{4,1}	Unisys: FCH720111-P64 (LP8000-D1) ^{6,7} , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{6,7}	FC-AL, FC-SW	Y	
2	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server SP ^{2,1,3}	Emulex: LP9802-E ^{7,15} , LP9802DC-E ^{7,14,15} , LP982-E ^{7,15}	FC-AL, FC-SW	Y	See ⁸
3	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server SP ^{2,1,3}	Emulex: LP9802-E ^{7,15} , LP9802DC-E ^{7,14,15} , LP982-E ^{7,9,15}	FC-AL, FC-SW	Y	See ⁸
4	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,1,3} , SP ^{3,1,3} , SP ^{4,1}	Emulex LP9002-E (LP9002L-E) ^{6,7,13}	FC-AL, FC-SW	Y	See ⁸
5	ES7000/100; ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,1,3} , SP ^{3,1,3} , SP ^{4,1}	Emulex: LP8000-EMC ^{4,6,7} , LP9002-E (LP9002L-E) ^{6,7,13}	FC-AL, FC-SW	Y	See ⁸
6	ES7000/100	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,1,3} , SP ^{3,1,3} , SP ^{4,1} ; Microsoft Windows 2000 Datacenter SP ^{4,1}	Emulex LP982-E ^{7,9,15} ; QLogic: QLA2340-E-SP ^{11,14} , QLA2342-E-SP ^{11,14}	FC-AL, FC-SW	Y	See ⁸
7	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,1,3} , SP ^{3,1,3} , SP ^{4,1} ; Microsoft Windows 2000 Datacenter SP ^{4,1}	QLogic: QLA2340-E-SP ^{11,14} , QLA2342-E-SP ^{11,14}	FC-AL, FC-SW	Y	See ⁸

Unisys – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
8	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1,3}, SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Datacenter: SP2^{1,2,3}, SP3^{1,3}, SP4¹	Emulex LP8000-EMC ^{4, 6, 7}	FC-AL, FC-SW	Y	See ⁸
9	ES7000/100; ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1,3}, SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Datacenter: SP2^{1,2,3}, SP3^{1,3}, SP4¹	Emulex: LP10000-E ^{5, 7, 21} , LP10000DC-E ^{5, 7, 21} , LP1050-E ^{7, 21, 22} , LP1050DC-E ^{7, 21, 22} ; Unisys FCH732213-P64 (LP9002L-F2) ^{6, 7, 17}	FC-AL, FC-SW	Y	See ⁸
10	ES7000/550	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1,3}, SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Datacenter: SP2^{1,2,3}, SP3^{1,3}, SP4¹	Unisys FCH732213-P64 (LP9002L-F2) ^{6, 7, 17}	FC-AL, FC-SW	Y	See ⁸
11	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1,3}, SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Datacenter: SP2^{1,2,3}, SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Server: SP2^{1,3}, SP3^{1,3}, SP4¹	Emulex: LP10000-E ^{5, 7, 21} , LP10000DC-E ^{5, 7, 21} , LP1050-E ^{7, 21, 22} , LP1050DC-E ^{7, 21, 22} ; Unisys FCH732213-P64 (LP9002L-F2) ^{6, 7, 17}	FC-AL, FC-SW	Y	See ⁸
12	ES7000/100	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1,3}, SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Datacenter: SP2^{1,3}, SP3^{1,3}, SP4¹	Emulex: LP9802-E ^{7, 15} , LP9802DC-E ^{7, 14, 15}	FC-AL, FC-SW	Y	See ⁸
13	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1,3}, SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Datacenter: SP2^{1,3}, SP3^{1,3}, SP4¹	QLogic: QLA2340-E-SP ^{11, 14} , QLA2342-E-SP ^{11, 14}	FC-AL, FC-SW	Y	See ⁸
14	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1,3}, SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Datacenter: SP2^{1,3}, SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Server: SP2^{1,3}, SP3^{1,3}, SP4¹	Emulex: LP10000-E ^{5, 7, 21} , LP10000DC-E ^{5, 7, 21} , LP1050-E ^{7, 21, 22} , LP1050DC-E ^{7, 21, 22}	FC-AL, FC-SW	Y	
15	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1,3}, SP3^{1,3}, SP4¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2^{1,3}, Server SP3^{1,3}, Server SP4¹	Unisys FCH732213-P64 (LP9002L-F2) ^{6, 7, 17}	FC-AL, FC-SW	Y	See ⁸
16	ES2023; ES2024; ES2025; ES2043; ES2044; ES2045; ES2085; ES5024; ES5043; ES5044; ES5045; ES5085	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1,3}, SP4¹ ; Microsoft Windows 2000 Server: SP2^{1,3}, SP3^{1,3}, SP4¹	Unisys: FCH720111-P64 (LP8000-D1) ^{6, 7} , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{6, 7, 17}	FC-AL, FC-SW	Y	
17	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Datacenter: SP2^{1,3}, SP3^{1,3}, SP4¹	Emulex: LP9802-E ^{7, 15, 16} , LP9802DC-E ^{7, 14, 15, 16} , LP982-E ^{7, 9, 15, 16}	FC-AL, FC-SW	Y	See ⁸
18	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Datacenter: SP2^{1,3}, SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Server: SP2^{1,3}, SP3^{1,3}, SP4¹	Emulex: LP9802-E ^{7, 15, 16} , LP9802DC-E ^{7, 14, 15, 16} , LP982-E ^{7, 9, 15, 16} ; Unisys FCH732213-P64 (LP9002L-F2) ^{6, 7, 17}	FC-AL, FC-SW	Y	
19	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Datacenter: SP2^{1,3}, SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Server: SP2^{1,3}, SP3^{1,3}, SP4¹	Emulex: LP9802DC-E ^{7, 14, 15, 16} , LP982-E ^{7, 9, 15, 16}	FC-AL, FC-SW	Y	See ⁸
20	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Server SP2^{1,3}	Emulex: LP8000-EMC ^{4, 6, 7} , LP9002-E (LP9002L-E) ^{6, 7, 13} ; QLogic: QLA2340-E-SP ^{11, 14} , QLA2342-E-SP ^{11, 14}	FC-AL, FC-SW	Y	
21	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Server: SP2^{1,3}, SP3^{1,3}, SP4¹	Emulex LP9802-E ^{7, 15, 16}	FC-AL, FC-SW	Y	See ⁸
22	ES7000/230	PCI	Microsoft Windows 2000 Datacenter SP3^{1,3}	QLogic QLA2342-E-SP ^{11, 14, 18}	FC-AL, FC-SW	Y	
23	ES7000/100	PCI	Microsoft Windows 2000 Datacenter SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{5, 6, 7, 9, 13}	FC-AL, FC-SW	Y	See ⁸
24	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Datacenter SP4 ¹	Emulex: LP10000-E ^{5, 7, 21} , LP10000DC-E ^{5, 7, 21} , LP1050-E ^{7, 21, 22} , LP1050DC-E ^{7, 21, 22}	FC-AL, FC-SW	Y	See ⁸
25	ES7000/100	PCI	Microsoft Windows 2000 Datacenter: SP2^{1,2,3}, SP3^{1,3}	Emulex LP9002-E (LP9002L-E) ^{5, 6, 7, 9}	FC-AL, FC-SW	Y	See ⁸
26	ES7000/100	PCI	Microsoft Windows 2000 Datacenter: SP2^{1,2,3}, SP3^{1,3}, SP4¹	Emulex LP8000-EMC ^{4, 5, 6, 7}	FC-AL, FC-SW	Y	See ⁸

Unisys – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
27	ES7000/230	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2, 3} , SP3 ^{1, 3} , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{6, 7, 9, 13}	FC-AL, FC-SW	Y	See ⁸
28	ES7000/200	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2, 3} , SP3 ^{1, 3} , SP4 ¹	Emulex: LP8000-EMC ^{4, 5, 6, 7} , LP9002-E (LP9002L-E) ^{5, 6, 7, 9, 13}	FC-AL, FC-SW	Y	See ⁸
29	ES7000/100	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 3} , SP3 ^{1, 3}	Emulex LP982-E ^{7, 15}	FC-AL, FC-SW	Y	See ⁸
30	ES7000/230	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 3} , SP3 ^{1, 3} ; Microsoft Windows 2000 Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹	QLogic QLA2340-E-SP ^{11, 14}	FC-AL, FC-SW	Y	
31	ES7000/100	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 3} , SP3 ^{1, 3} ; Microsoft Windows 2000 Server: SP3 ^{1, 3} , SP4 ¹	QLogic: QLA2340-E-SP ^{11, 18} , QLA2342-E-SP ^{11, 18}	FC-AL, FC-SW	Y	
32	ES7000/230	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹	Emulex LP9802-E ^{7, 9, 15, 16}	FC-AL, FC-SW	Y	See ⁸
33	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ^{1, 3} , SP4 ¹	Emulex: LP8000-EMC ^{4, 5, 6, 7} , LP9002-E (LP9002L-E) ^{5, 6, 7, 13} ; QLogic: QLA2340-E-SP ^{11, 14, 18} , QLA2342-E-SP ^{11, 14, 18}	FC-AL, FC-SW	Y	
34	ES7000/200	PCI	Microsoft Windows 2000 Server SP2 ^{1, 3}	Emulex: LP8000-EMC ^{4, 6, 7} , LP9002-E (LP9002L-E) ^{6, 7, 13} ; QLogic: QLA2340-E-SP ^{11, 14} , QLA2342-E-SP ^{11, 14}	FC-AL, FC-SW	Y	
35	ES7000/100	PCI	Microsoft Windows 2000 Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹	Emulex: LP10000-E ^{5, 7, 21} , LP10000DC-E ^{5, 7, 21} , LP1050-E ^{7, 21, 22} , LP1050DC-E ^{7, 21, 22}	FC-AL, FC-SW	Y	
36	ES7000/200	PCI	Microsoft Windows 2000 Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹	Emulex: LP10000-E ^{5, 7, 21} , LP10000DC-E ^{5, 7, 21} , LP1050-E ^{7, 21, 22} , LP1050DC-E ^{7, 21, 22} , LP9802-E ^{7, 15, 16} , LP9802DC-E ^{7, 14, 15, 16} , LP982-E ^{7, 9, 15, 16} ; Unisys FCH732213-P64 (LP9002L-F2) ^{6, 7, 17}	FC-AL, FC-SW	Y	
37	ES7000/230	PCI	Microsoft Windows 2000 Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹	Emulex: LP8000-EMC ^{4, 6, 7} , LP9002-E (LP9002L-E) ^{6, 7, 13}	FC-AL, FC-SW	Y	
38	ES7000/200	PCI	Microsoft Windows 2000 Server: SP3 ^{1, 3} , SP4 ¹	Emulex: LP8000-EMC ^{4, 5, 6, 7} , LP9002-E (LP9002L-E) ^{5, 6, 7, 13} ; QLogic: QLA2340-E-SP ^{11, 14, 18} , QLA2342-E-SP ^{11, 14, 18}	FC-AL, FC-SW	Y	
39	ES7000/100	PCI	Microsoft Windows 2000 Server: SP3 ^{1, 3} , SP4 ¹	Emulex: LP8000-EMC ^{4, 5, 6, 7} , LP9002-E (LP9002L-E) ^{5, 6, 7} ; QLogic QLA2310F-E-SP ^{11, 18}	FC-AL, FC-SW	Y	
40	ES7000/230	PCI	Microsoft Windows 2000: Datacenter SP2 ^{1, 3} , Server SP2 ^{1, 3} , Server SP3 ^{1, 3} , Server SP4 ¹	QLogic QLA2342-E-SP ^{11, 14}	FC-AL, FC-SW	Y	
41	ES3000	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹ ; Microsoft Windows 2000 Professional: SP1 ¹ , SP2 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹	Unisys: FCH732213-P64 (LP9002L-F2) ^{6, 7} , FCH742313-P64 (LP9802) ^{7, 15}	FC-AL, FC-SW	Y	
42	ES7000/100; ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹	QLogic QLA2310F-E-SP ^{11, 14}	FC-AL ¹² , FC-SW	Y	See ⁸
43	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	QLogic QLA2310F-E-SP ^{11, 14}	FC-AL ¹² , FC-SW	Y	See ⁸
44	ES7000/100; ES7000/200; ES7000/230; ES7000/550	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 3} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹	Unisys: FCH720111-P64 (LP8000-D1) ^{6, 7} , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{6, 7, 17}	FC-AL ¹² , FC-SW	Y	
45	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP3 ^{1, 3} , SP4 ¹ ; Microsoft Windows 2000 Server SP2 ^{1, 3}	QLogic QLA2310F-E-SP ^{11, 14}	FC-AL ¹² , FC-SW	Y	
46	ES7000/100	PCI	Microsoft Windows 2000 Datacenter SP4 ¹	QLogic QLA2310F-E-SP ^{10, 11, 14}	FC-AL ¹² , FC-SW	Y	See ⁸
47	ES7000/100	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2, 3} , SP3 ^{1, 3}	QLogic QLA2310F-E-SP ^{10, 11}	FC-AL ¹² , FC-SW	Y	See ⁸
48	ES7000/200	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2, 3} , SP3 ^{1, 3} , SP4 ¹	QLogic QLA2310F-E-SP ^{10, 11, 14}	FC-AL ¹² , FC-SW	Y	See ⁸
49	ES7000/230	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 3} , SP3 ^{1, 3} ; Microsoft Windows 2000 Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹	QLogic QLA2310F-E-SP ^{11, 14}	FC-AL ¹² , FC-SW	Y	
50	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ^{1, 3} , SP4 ¹	QLogic QLA2310F-E-SP ^{11, 14, 18}	FC-AL ¹² , FC-SW	Y	
51	ES7000/200	PCI	Microsoft Windows 2000 Server SP2 ^{1, 3}	QLogic QLA2310F-E-SP ^{11, 14}	FC-AL ¹² , FC-SW	Y	
52	ES7000/200	PCI	Microsoft Windows 2000 Server: SP3 ^{1, 3} , SP4 ¹	QLogic QLA2310F-E-SP ^{11, 14, 18}	FC-AL ¹² , FC-SW	Y	

1. EMC recommends that HBAs of different vendors not be used in the same host server.
 2. PowerPath not supported. ATF is supported only using Emulex 5-2.11a2 driver.
 3. Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
 4. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

5. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
6. Firmware Version 3.90a7.
7. Driver Version 2.21a7.
8. CLARiiON FC4500 array is also supported for these configurations.
9. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
10. If using ATF/CDE, requires 2.1.6 or greater.
11. Driver Version 8.2.3.21.
12. Supported by direct attach only
13. The LP9002-E now ships with the LP9002L-E low profile adapter.
14. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
15. Firmware Version 1.01a2.
16. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
17. Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

- NOTE: LP8000/850 HBAs without –EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.
18. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
 19. Hardware and adapters similar to Unisys ES7000-100, ES7000-200.
 20. The Libra 18x includes native MCP, and Virtual Machine for MCP (Windows MCPvm) partitions
 21. Firmware Version 1.80a3.
 22. **Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

Microsoft Windows 2003

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

Bull

Bull – Microsoft Windows 2003						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800: 320Lb, 320Lb-R, 330Mb-R ^{11, 12} , 340Ha-R	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁷ , Standard Edition (Server) ⁷	QLogic QLA2310F-E-SP ^{8, 9} , 10	FC-AL, FC-SW	N
2	NovaScale: 4020 (Itanium2), 4040 (Itanium2), 5080 (Itanium2), 5160 (Itanium2)	PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex LP9802-E ¹ , 2, 3, 4, 5, 6	FC-AL, FC-SW	N

1. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
2. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
3. Emulex driver and BIOS available from <http://www.emulex.com>.
4. PowerPath requires driver 1.01x1 with Firmware 1.01A2 and StorPORT fix Q823728
5. Driver Version Emulex StorPORT driver v1.01x1.
6. Driver Version Emulex SCSI port driver v2.21a7.
7. EMC recommends that HBAs of different vendors not be used in the same host server.
8. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
9. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
10. Qlogic SANSurfer/SANBlade Manager is not supported.
11. Supports Stratus OS 1.3.X through 2.1.X.
12. Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.

Dell

Dell – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge: 1550, 2450, 2500, 2550 ¹² , 6400, 6450, 8450; PowerVault: 770N, 775N	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ , Standard Edition (Server) ⁶	Emulex: LP10000-E ^{5, 7, 8} , LP10000DC-E ^{5, 7, 8} , LP1050-E ^{5, 7, 8} , LP1050DC-E ^{5, 7, 8} , LP8000-EMC ^{7, 8, 10, 11} , LP9002-E (LP9002L-E) ^{7, 8, 10} , LP9802-E ^{3, 7, 8} , LP9802DC-E ^{3, 7, 8} , LP982-E ^{3, 7, 8} , QLogic: QLA2310F-E-SP ^{4, 9} , QLA2340-E-SP ^{4, 9} , QLA2342-E-SP ^{4, 9}	FC-AL, FC-SW	Y	
2	PowerEdge 3250 (Itanium 2)	PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP10000-E ^{2, 5} , LP10000DC-E ^{2, 5} , LP1050-E ^{2, 5} , LP1050DC-E ^{2, 5} , LP9802-E ^{2, 3} , LP9802DC-E ^{2, 3} , LP982-E ^{2, 3} , QLogic: QLA2340-E-SP ⁴ , QLA2342-E-SP ⁴	FC-AL, FC-SW	N	See ¹
3	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6600, 6650	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ , Standard Edition (Server) ⁶	Emulex: LP10000-E ^{5, 7, 8} , LP10000DC-E ^{5, 7, 8} , LP1050-E ^{5, 7, 8} , LP1050DC-E ^{5, 7, 8} , LP8000-EMC ^{7, 8, 10, 11} , LP9002-E (LP9002L-E) ^{7, 8, 10} , LP9802-E ^{3, 7, 8} , LP9802DC-E ^{3, 7, 8} , LP982-E ^{3, 7, 8} , QLogic: QLA2310F-E-SP ^{4, 9} , QLA2340-E-SP ^{4, 9} , QLA2342-E-SP ^{4, 9}	FC-AL, FC-SW	Y	

1. No EMC Layered Applications supported on IA64 server platforms
2. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
3. Firmware Version 1.01a2.
4. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
5. Firmware Version 1.80a3.
6. EMC recommends that HBAs of different vendors not be used in the same host server.
7. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
8. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
9. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
10. Firmware Version 3.90a7.
11. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
12. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.

HPQ

HPQ – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Proliant 7000 ^{9, 15}	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁸ , Standard Edition (Server) ⁸	Emulex LP9002-E (LP9002L-E) ^{5, 10, 11} ; HPQ FCA2101 (LP952) ^{11, 16, 17, 18}	FC-AL, FC-SW	Y	
2	Proliant: 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML370 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ⁹	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁸ , Standard Edition (Server) ⁸	Emulex: LP10000-E ^{10, 11, 14} , LP10000DC-E ^{10, 11, 14} , LP1050-E ^{10, 11, 14} , LP1050DC-E ^{10, 11, 14} , LP8000-EMC ^{4, 5, 10, 11} , LP9002-E (LP9002L-E) ^{5, 10, 11} , LP9802-E ^{2, 10, 11} , LP9802DC-E ^{2, 10, 11} , LP982-E ^{2, 10, 11} ; HPQ: A7298A (LP982) ^{2, 10, 11} , DS-KGPSA-CA (LP8000) ^{5, 10, 11} , DS-KGPSA-CB (LP8000) ^{5, 10, 11} , DS-KGPSA-CY (LP8000) ^{5, 10, 11} , FCA2101 (LP952) ^{11, 16, 17, 18} , FCA2214 (QLA2340) ^{7, 12} , FCA2214DC (QLA2342) ^{7, 12} , FCA2384 (LP9802) ^{2, 10, 11} , FCA2404 (LP9802) ^{2, 10, 11} , FCA2404DC (LP9802DC) ^{2, 10, 11} , FCA2408 (LP982) ^{2, 10, 11} ; QLogic: QLA2310F-E-SP ^{7, 12} , QLA2340-E-SP ^{7, 12} , QLA2342-E-SP ^{7, 12}	FC-AL, FC-SW	Y	
3	Proliant 3000 ⁹	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁸ , Standard Edition (Server) ⁸	Emulex: LP8000-EMC ^{4, 5, 10, 11} , LP9002-E (LP9002L-E) ^{5, 10, 11} ; HPQ: DS-KGPSA-CA (LP8000) ^{5, 10, 11} , DS-KGPSA-CB (LP8000) ^{5, 10, 11} , DS-KGPSA-CY (LP8000) ^{5, 10, 11} , FCA2101 (LP952) ^{11, 16, 17, 18}	FC-AL, FC-SW	Y	
4	Proliant 6500 ^{9, 15}	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁸ , Standard Edition (Server) ⁸	Emulex: LP8000-EMC ^{4, 5, 10, 11} , LP9002-E (LP9002L-E) ^{5, 10, 11} ; HPQ: DS-KGPSA-CA (LP8000) ^{5, 10, 11} , DS-KGPSA-CB (LP8000) ^{5, 10, 11} , DS-KGPSA-CY (LP8000) ^{5, 10, 11} , FCA2101 (LP952) ^{11, 16, 17, 18} , FCA2214 (QLA2340) ^{7, 12} , FCA2214DC (QLA2342) ^{7, 12} ; QLogic: QLA2310F-E-SP ^{7, 12} , QLA2340-E-SP ^{7, 12} , QLA2342-E-SP ^{7, 12}	FC-AL, FC-SW	Y	
5	Proliant: BL40p, DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁸ , Standard Edition (Server) ⁸	Emulex: LP10000-E ^{10, 11, 14} , LP10000DC-E ^{10, 11, 14} , LP1050-E ^{10, 11, 14} , LP1050DC-E ^{10, 11, 14} , LP8000-EMC ^{4, 5, 10, 11} , LP9002-E (LP9002L-E) ^{5, 10, 11} , LP9802-E ^{2, 10, 11} , LP9802DC-E ^{2, 10, 11} , LP982-E ^{2, 10, 11} ; HPQ: A7298A (LP982) ^{2, 10, 11} , DS-KGPSA-CA (LP8000) ^{5, 10, 11} , DS-KGPSA-CB (LP8000) ^{5, 10, 11} , DS-KGPSA-CY (LP8000) ^{5, 10, 11} , FCA2101 (LP952) ^{11, 16, 17, 18} , FCA2214 (QLA2340) ^{7, 12} , FCA2214DC (QLA2342) ^{7, 12} , FCA2384 (LP9802) ^{2, 10, 11} , FCA2404 (LP9802) ^{2, 10, 11} , FCA2404DC (LP9802DC) ^{2, 10, 11} , FCA2408 (LP982) ^{2, 10, 11} ; QLogic: QLA2310F-E-SP ^{7, 12} , QLA2340-E-SP ^{7, 12} , QLA2342-E-SP ^{7, 12}	FC-AL, FC-SW	Y	
6	Proliant BL20p (G2)	PCI-X ¹³	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁸ , Standard Edition (Server) ⁸	HPQ Dual-port mezzanine controller card ^{7, 12}	FC-AL, FC-SW	Y	
7	Integrity: RX2600 (Itanium2), RX5670 (Itanium2)	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP10000-E ³ , LP10000DC-E ³ , LP1050-E ³ , LP1050DC-E ³ , LP8000-EMC ^{3, 4, 5} , LP9002-E (LP9002L-E) ^{5, 6} , LP9002DC-E ^{3, 5} , LP9802-E ³ , LP9802DC-E ³ , LP982-E ³ ; HPQ AB232A (LP9802) ^{2, 3} ; QLogic: QLA2310F-E-SP ⁷ , QLA2340-E-SP ⁷ , QLA2342-E-SP ⁷	FC-AL, FC-SW	N	See ¹
8	Proliant: DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁸ , Standard Edition (Server) ⁸	Emulex: LP10000-E ^{10, 11, 14} , LP10000DC-E ^{10, 11, 14} , LP1050-E ^{10, 11, 14} , LP1050DC-E ^{10, 11, 14} , LP8000-EMC ^{4, 5, 10, 11} , LP9002-E (LP9002L-E) ^{5, 10, 11} , LP9802-E ^{2, 10, 11} , LP9802DC-E ^{2, 10, 11} , LP982-E ^{2, 10, 11} ; HPQ: A7298A (LP982) ^{2, 10, 11} , DS-KGPSA-CA (LP8000) ^{5, 10, 11} , DS-KGPSA-CB (LP8000) ^{5, 10, 11} , DS-KGPSA-CY (LP8000) ^{5, 10, 11} , FCA2101 (LP952) ^{11, 16, 17, 18} , FCA2214 (QLA2340) ^{7, 12} , FCA2214DC (QLA2342) ^{7, 12} , FCA2384 (LP9802) ^{2, 10, 11} , FCA2404 (LP9802) ^{2, 10, 11} , FCA2404DC (LP9802DC) ^{2, 10, 11} , FCA2408 (LP982) ^{2, 10, 11} ; QLogic: QLA2310F-E-SP ^{7, 12} , QLA2340-E-SP ^{7, 12} , QLA2342-E-SP ^{7, 12}	FC-AL, FC-SW	Y	
9	Proliant: 6500 ^{9, 15} , 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ⁹	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁸ , Standard Edition (Server) ⁸	HPQ: FCA2354 (LP9002) ^{5, 10, 11} , FCA2355 (LP9002DC) ^{5, 10, 11}	FC-SW	Y	
10	Proliant: BL40p, DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁸ , Standard Edition (Server) ⁸	HPQ: FCA2354 (LP9002) ^{5, 10, 11} , FCA2355 (LP9002DC) ^{5, 10, 11}	FC-SW	Y	
11	Proliant: DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁸ , Standard Edition (Server) ⁸	HPQ: FCA2354 (LP9002) ^{5, 10, 11} , FCA2355 (LP9002DC) ^{5, 10, 11}	FC-SW	Y	

1. No EMC Layered Applications supported on IA64 server platforms

2. Firmware Version 1.01a2.

3. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

4. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

5. Firmware Version 3.90a7.

6. Driver Version 1.01x. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

7. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

8. EMC recommends that HBAs of different vendors not be used in the same host server.

9. Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.

10. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.

11. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

12. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.

13. Dual port PCI-X fibre channel mezzanine card option is embedded. No PCI/PCI-X slots available.
14. Firmware Version 1.80a3.
15. Includes both Pentium PRO and XEON models
16. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
17. Driver Version 2.21a7. EMC does not support the Emulex equivalent of the FCA2101 (LP952.) Use EMC supported driver for LP9002 from <http://www.emulex.com>.
18. Firmware Version 3.90a7. Contact HPQ for supported firmware versions for this HBA.

IBM

IBM – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x350 (6000R), x370	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁷ , Standard Edition (Server) ⁷	Emulex: LP10000-E ^{5, 11, 12} , LP10000DC-E ^{5, 11, 12} , LP1050-E ^{5, 11, 12} , LP1050DC-E ^{5, 11, 12} , LP8000-EMC ^{10, 11, 12, 13} , LP9002-E (LP9002L-E) ^{10, 11, 12} , LP9802-E ^{3, 11, 12} , LP9802DC-E ^{3, 11, 12} , LP982-E ^{3, 11, 12} ; IBM: 19K1246(QLA2310) ^{4, 6, 9} , 24P0960(QLA2340) ^{4, 6, 8} ; QLogic: QLA2310F-E-SP ^{4, 6} , QLA2340-E-SP ^{4, 6} , QLA2342-E-SP ^{4, 6}	FC-AL, FC-SW	Y	
2	xSeries: x235, x255, x360, x440	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁷ , Standard Edition (Server) ⁷	Emulex: LP10000-E ^{5, 11, 12} , LP10000DC-E ^{5, 11, 12} , LP1050-E ^{5, 11, 12} , LP1050DC-E ^{5, 11, 12} , LP8000-EMC ^{10, 11, 12, 13} , LP9002-E (LP9002L-E) ^{10, 11, 12} , LP9802-E ^{3, 11, 12} , LP9802DC-E ^{3, 11, 12} , LP982-E ^{3, 11, 12} ; IBM: 19K1246(QLA2310) ^{4, 6, 9} , 24P0960(QLA2340) ^{4, 6, 8} ; QLogic: QLA2310F-E-SP ^{4, 6} , QLA2340-E-SP ^{4, 6} , QLA2342-E-SP ^{4, 6}	FC-AL, FC-SW	Y	
3	eServer BladeCenter HS20 (Model: 8678) ¹⁸ , 8832) ¹⁸	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁷ , Standard Edition (Server) ⁷	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{21, 22}	FC-AL, FC-SW	Y	
4	xSeries x450	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP10000-E ^{2, 5} , LP10000DC-E ^{2, 5} , LP1050-E ^{2, 5} , LP1050DC-E ^{2, 5} , LP9802-E ^{2, 3} , LP9802DC-E ^{2, 3} , LP982-E ^{2, 3} ; QLogic: QLA2340-E-SP ⁴ , QLA2342-E-SP ⁴	FC-AL, FC-SW	N	See ¹
5	xSeries: x345, x445	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁷ , Standard Edition (Server) ⁷	Emulex: LP10000-E ^{5, 11, 12} , LP10000DC-E ^{5, 11, 12} , LP1050-E ^{5, 11, 12} , LP1050DC-E ^{5, 11, 12} , LP8000-EMC ^{10, 11, 12, 13} , LP9002-E (LP9002L-E) ^{10, 11, 12} , LP9802-E ^{3, 11, 12} , LP9802DC-E ^{3, 11, 12} , LP982-E ^{3, 11, 12} ; IBM: 19K1246(QLA2310) ^{4, 6, 9} , 24P0960(QLA2340) ^{4, 6, 8} ; QLogic: QLA2310F-E-SP ^{4, 6} , QLA2340-E-SP ^{4, 6} , QLA2342-E-SP ^{4, 6}	FC-AL, FC-SW	Y	
6	eServer BladeCenter HS20 (Model: 8678) ¹⁸ , 8832) ¹⁸	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁷ , Standard Edition (Server) ⁷	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{14, 15, 16, 17, 19, 20} , 02R9080 ^{16, 17}	FC-SW	Y	

1. No EMC Layered Applications supported on IA64 server platforms
2. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
3. Firmware Version 1.01a2.
4. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
5. Firmware Version 1.80a3.
6. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
7. EMC recommends that HBAs of different vendors not be used in the same host server.
8. This HBA is equivalent to the QLogic QLA2340.
9. This HBA is equivalent to the QLogic QLA2310.
10. Firmware Version 3.90a7.
11. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
12. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
13. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
14. Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.
15. Due to the HS20's embedded FC-SW design, EMC Access Logix is required to assign LUNS to each individual blade server.
16. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
17. Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
 18. EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
 19. Driver Version 8.2.3.21.
 20. Driver Version 8.2.3.27. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
 21. Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)
 22. Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.

NCR

NCR – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Worldmark 45xx	MCA	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{2, 4, 9} , LP10000DC-E ^{2, 4, 9} , LP1050-E ^{2, 4, 9} , LP1050DC-E ^{2, 4, 9} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{2, 3, 4} , LP9802-E ^{2, 4, 6} , LP9802DC-E ^{2, 4, 6} , LP982-E ^{2, 4, 6} ; QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y	
2	Worldmark: 4500, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{2, 4, 9} , LP10000DC-E ^{2, 4, 9} , LP1050-E ^{2, 4, 9} , LP1050DC-E ^{2, 4, 9} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{2, 3, 4} , LP9802-E ^{2, 4, 6} , LP9802DC-E ^{2, 4, 6} , LP982-E ^{2, 4, 6} ; QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y	

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
3. Firmware Version 3.90a7.
4. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
5. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
6. Firmware Version 1.01a2.

7. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
8. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
9. Firmware Version 1.80a3.

NEC

NEC – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800 320Mc-R	PCI	Microsoft Windows 2003 Enterprise Edition (Advanced Server) ¹³	NEC N8803-031 (QLA2310F) ^{2, 10, 14, 23} ; QLogic QLA2310F-E-SP ^{2, 10, 14}	FC-AL, FC-SW	N	
2	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4, 180Rc-4	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹³ Standard Edition (Server) ¹³	Emulex: LP10000-E ^{16, 18, 19} , LP10000DC-E ^{16, 18, 19} , LP1050-E ^{16, 18, 19} , LP1050DC-E ^{16, 18, 19} , LP8000-EMC ^{15, 16, 17, 18} , LP9002-E (LP9002L-E) ^{15, 16, 18} , LP9802-E ^{7, 16, 18} , LP9802DC-E ^{7, 16, 18} , LP982-E ^{7, 16, 18} ; QLogic: QLA2310F-E-SP ^{2, 14} , QLA2340-E-SP ^{2, 14} , QLA2342-E-SP ^{2, 14}	FC-AL, FC-SW	Y	
3	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-2, 140Ha, 140Hb, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 180Ha, 180Rb-7	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹³ Standard Edition (Server) ¹³	NEC N8190-105 ^{15, 16, 18, 22}	FC-AL, FC-SW	Y	
4	Express 5800: 320La-R ¹² , 320La ¹² , 320Lb-R ¹² , 320Lb ¹²	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹³ Standard Edition (Server) ¹³	NEC N8803-031 (QLA2310F) ^{2, 14}	FC-AL, FC-SW	N	
5	Express 5800: 320La-R ¹² , 320La ¹² , 320Lb-R ¹² , 320Lb ¹² , 330Ma-R ¹² , 330Mb-R ¹² , 340Ha-R ¹²	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹³ Standard Edition (Server) ¹³	NEC N8803-031 (QLA2310F) ^{2, 9, 10, 11, 14}	FC-AL, FC-SW	N	See ⁸
6	Express 5800: 320Lb, 320Lb-R, 330Mb-R ^{20, 21} , 340Ha-R	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹³ Standard Edition (Server) ¹³	QLogic QLA2310F-E-SP ^{2, 10, 14}	FC-AL, FC-SW	N	
7	Express 5800: 1080Xd, 1160Xd, 1320Xd	PCI, PCI-X	Microsoft Windows 2003 64-Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	NEC: NT2007A-A001 ^{4, 5, 6, 7} , NT2010A-A001 ^{2, 3}	FC-AL, FC-SW	N	See ¹

1. No EMC Layered Applications supported on IA64 server platforms
2. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
3. This HBA is equivalent to the QLogic QLA2340.
4. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
5. This HBA is equivalent to the Emulex LP982.
6. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
7. Firmware Version 1.01a2.
8. CX200 available through selected channels.
9. Qlogic SanBlade Manager is not supported.
10. Qlogic SANSurfer/SANBlade Manager is not supported.
11. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
12. Bus Enumeration Issue Causes Problems using SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.
By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.
The workaround is to perform "symcfg discover" after rebooting.

13. EMC recommends that HBAs of different vendors not be used in the same host server.
14. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
15. Firmware Version 3.90a7.
16. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
17. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
18. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
19. Firmware Version 1.80a3.
20. Supports Stratus OS 1.3.X through 2.1.X.
21. Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
22. EMC does not support the Emulex equivalent of N8190-105. Check with NEC on where to download the latest supported firmware and boot BIOS for this adapter.
23. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.

Samsung

Samsung – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ES470; ES570	PCI, PCI-X	Microsoft Windows 2003 64-Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex LP982-E ^{2, 3, 4} ; QLogic QLA2340-E-SP ^{4, 5}	FC-AL, FC-SW	N	See ¹

1. No EMC Layered Applications supported on IA64 server platforms
2. Firmware Version 1.01a2.
3. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
4. For Windows 2003 STORPort drivers, support is limited to the following configurations: 1 HBA with 1 path to 1 SP; 2 HBAs, one with a single path to SPA and the other with a single path to SPB. Refer to HBA guides for expected device behavior. [NOTE: Powerpath not currently supported with STORPort driver.]
5. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

Stratus

Stratus – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ftServer: 3300 ^{3, 4, 5, 6} , 5240 ^{4, 9, 10, 11, 12} , 5600 ^{4, 13} , 6500 ^{4, 9, 10, 11, 12}	PCI	Microsoft Windows 2003 Enterprise Edition (Advanced Server) ¹	QLogic QLA2310F-E-SP ^{2, 7, 8}	FC-AL, FC-SW	N	

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. Qlogic SANSurfer/SANBlade Manager is not supported.

3. Supports Stratus OS 2.0.X through 2.1.X.
4. ftServer OS 2.1.x requires PowerPath 3.0.5 or greater.
5. Requires Stratus ftServer OS 2.0.x or greater.
6. ftServer OS 2.0.x requires PowerPath 3.0.2.
7. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
8. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
9. Supports Stratus OS 1.3.X through 2.1.X.
10. Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
11. Requires Stratus ftServer OS 1.4.x or 2.1.x.
12. ftServer OS 1.4 requires PowerPath 3.0.2.
13. Requires Stratus ftServer OS 2.1.x.

Unisys

Unisys – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ES7000/100; ES7000/200; ES7000/230	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁵ , Standard Edition (Server) ⁵	Emulex: LP10000-E ^{7, 8, 11} , LP10000DC-E ^{7, 8, 11} , LP1050-E ^{7, 8, 11} , LP1050DC-E ^{7, 8, 11} , LP8000-EMC ^{6, 7, 8, 9} , LP9002-E (LP9002L-E) ^{6, 7, 8} , LP9802-E ^{3, 7, 8} , LP9802DC-E ^{3, 7, 8} , LP982-E ^{3, 7, 8} ; QLogic: QLA2310F-E-SP ^{4, 10} , QLA2340-E-SP ^{4, 10} , QLA2342-E-SP ^{4, 10} ; Unisys: FCH720111-P64 (LP8000-D1) ^{6, 7, 8} , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{6, 7, 8} , FCH732213-P64 (LP9002L-F2) ^{6, 7, 8}	FC-AL, FC-SW	Y	
2	ES7000/550	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁵ , Standard Edition (Server) ⁵	Unisys FCH732213-P64 (LP9002L-F2) ^{6, 7, 8}	FC-AL, FC-SW	Y	
3	ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁵ , Standard Edition (Server) ⁵	Unisys FCH742313-P64 (LP9802) ^{3, 7, 8}	FC-AL, FC-SW	Y	
4	ES7000/130; ES7000/410; ES7000/420; ES7000/430	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP9802-E ^{2, 3} , LP9802DC-E ^{2, 3} , LP982-E ^{2, 3} ; QLogic: QLA2340-E-SP ⁴ , QLA2342-E-SP ⁴ ; Unisys FCH742313-P64 (LP9802) ^{2, 3}	FC-AL, FC-SW	N	See ¹
5	ES3000	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁵ , Standard Edition (Server) ⁵	Unisys: FCH732213-P64 (LP9002L-F2) ^{6, 7, 8} , FCH742313-P64 (LP9802) ^{3, 7, 8}	FC-AL, FC-SW	Y	

1. No EMC Layered Applications supported on IA64 server platforms
2. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
3. Firmware Version 1.01a2.
4. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
5. EMC recommends that HBAs of different vendors not be used in the same host server.
6. Firmware Version 3.90a7.
7. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
8. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
9. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
10. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
11. Firmware Version 1.80a3.

Microsoft Windows NT

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiON non-disruptive upgrades for Windows systems booting from CLARiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.

6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

DG

DG – Microsoft Windows NT							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	AViiON: AV8900, AV8950, AV8950R	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 7, 8, 9} , LP9002-E (LP9002L-E) ^{4, 6, 7, 8} , LP9802-E ^{2, 3, 4, 6, 14} , LP9802DC-E ^{2, 3, 4, 6} , LP982-E ^{2, 3, 4, 6, 14} ; QLogic: QLA2310F-E-SP ^{10, 11, 12, 13} , QLA2340-E-SP ^{10, 12, 13} , QLA2342-E-SP ^{10, 12, 13}	FC-AL, FC-SW	Y	See ⁵
2	AViiON: AV1400, AV2300, AV2700, AV2800, AV3600, AV3700, AV3704, AV3704R, AV3800, AV8700	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 7, 8, 9} , LP9002-E (LP9002L-E) ^{4, 6, 7, 8} , LP9802-E ^{2, 3, 4, 6} , LP9802DC-E ^{2, 3, 4, 6} , LP982-E ^{2, 3, 4} ; QLogic: QLA2310F-E-SP ^{10, 11, 12, 13} , QLA2340-E-SP ^{10, 12, 13} , QLA2342-E-SP ^{10, 12, 13}	FC-AL, FC-SW	Y	See ⁵

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
3. Firmware Version 1.01a2.
4. Driver Version 2.20a12.
5. CLARiON FC4500 array is also supported for these configurations.
6. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
7. Firmware Version 3.90a7.
8. Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
9. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
10. HBA BIOS is 1.34.
11. If using ATF/CDE, requires 2.0.9 or greater.
12. Driver/BIOS are available at <http://www.qlogic.com>
13. Driver Version 8.1.5.21.
14. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).

Dell

Dell – Microsoft Windows NT							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge: 4300, 4350	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{4, 7, 8, 13} , QLLogic: QLA2310F-E-SP ^{9, 10, 11, 12} , QLA2340-E-SP ^{9, 10, 12} , QLA2342-E-SP ^{9, 10, 12}	FC-AL, FC-SW	Y	See ⁵
2	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2500, 2550 ^{14, 15} , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 7, 8, 13} , LP9002-E (LP9002L-E) ^{4, 6, 7, 8} , LP9802-E ^{2, 3, 4, 6} , LP9802DC-E ^{2, 3, 4, 6} , LP982-E ^{2, 3, 4} , QLLogic: QLA2310F-E-SP ^{9, 10, 11, 12} , QLA2340-E-SP ^{9, 10, 12} , QLA2342-E-SP ^{9, 10, 12}	FC-AL, FC-SW	Y	See ⁵
3	PowerVault: 770N, 775N	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP9002-E (LP9002L-E) ^{4, 6, 7, 8} , LP9802-E ^{2, 3, 4, 6} , LP9802DC-E ^{2, 3, 4, 6} , LP982-E ^{2, 3, 4} , QLLogic: QLA2310F-E-SP ^{9, 10, 11, 12} , QLA2340-E-SP ^{9, 10, 12} , QLA2342-E-SP ^{9, 10, 12}	FC-AL, FC-SW	Y	See ⁵
4	PowerEdge 2650	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 7, 13, 16} , LP9002-E (LP9002L-E) ^{4, 6, 7, 8} , LP9802-E ^{2, 3, 4, 6} , LP9802DC-E ^{2, 3, 4, 6} , LP982-E ^{2, 3, 4} , QLLogic: QLA2310F-E-SP ^{9, 10, 11, 12} , QLA2340-E-SP ^{9, 10, 12} , QLA2342-E-SP ^{9, 10, 12}	FC-AL, FC-SW	Y	See ⁵
5	PowerEdge 6600	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 7, 8, 13} , LP9002-E (LP9002L-E) ^{4, 6, 7, 8} , LP9802-E ^{2, 3, 4, 6} , LP9802DC-E ^{2, 3, 4, 6} , LP982-E ^{2, 3, 4, 6} , QLLogic: QLA2310F-E-SP ^{9, 10, 11, 12} , QLA2340-E-SP ^{9, 10, 12} , QLA2342-E-SP ^{9, 10, 12}	FC-AL, FC-SW	Y	See ⁵
6	PowerEdge: 1750, 2600, 4600, 6650	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 7, 8, 13} , LP9002-E (LP9002L-E) ^{4, 6, 7, 8} , LP9802-E ^{2, 3, 4, 6} , LP9802DC-E ^{2, 3, 4, 6} , LP982-E ^{2, 3, 4} , QLLogic: QLA2310F-E-SP ^{9, 10, 11, 12} , QLA2340-E-SP ^{9, 10, 12} , QLA2342-E-SP ^{9, 10, 12}	FC-AL, FC-SW	Y	See ⁵

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
3. Firmware Version 1.01a2.
4. Driver Version 2.20a12.
5. CLARiON FC4500 array is also supported for these configurations.
6. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
7. Firmware Version 3.90a7.
8. Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
9. HBA BIOS is 1.34.
10. Driver/BIOS are available at <http://www.qlogic.com>
11. If using ATF/CDE, requires 2.0.9 or greater.
12. Driver Version 8.1.5.21.
13. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
14. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
15. Dell PowerEdge supports a maximum of 2 Emulex HBAs at one time and the total power cannot exceed 20 Watts.
16. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.

HPQ

HPQ – Microsoft Windows NT							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netserver LH: 3000, 6000; Netserver LXR: 8000, 8500; Proliant: 1600 ^{15, 18} , 1850 ¹⁵ , 6400R ¹⁵ , 850 ¹⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{5, 8, 9, 10} , HPQ FCA2404 (LP9802) ^{5, 6, 21} , QLLogic: QLA2310F-E-SP ^{11, 12, 13, 14} , QLA2340-E-SP ^{11, 13, 14} , QLA2342-E-SP ^{11, 13, 14}	FC-AL, FC-SW	Y	See ³
2	Netserver LH: 3, 4, II, PRO, III; Netserver: LX PRO, LXR PRO, LXR PRO8; Proliant: 2500 ¹⁵ , 5000 ¹⁵ , 6000 ^{15, 17} , 6500 ^{15, 17} , 8000 ^{15, 17}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{5, 8, 9, 10} , QLLogic: QLA2310F-E-SP ^{11, 12, 13, 14} , QLA2340-E-SP ^{11, 13, 14} , QLA2342-E-SP ^{11, 13, 14}	FC-AL, FC-SW	Y	See ³
3	Proliant 8000: Pro, Xeon	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{5, 8, 9, 10} , QLLogic: QLA2310F-E-SP ^{11, 13, 14, 20} , QLA2340-E-SP ^{11, 13, 14, 20} , QLA2342-E-SP ^{11, 13, 14, 20}	FC-AL, FC-SW	Y	See ³
4	Proliant 3000 ¹⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 8, 9, 10, 21, 22} , LP9002-E (LP9002L-E) ^{5, 7, 8, 9} , QLLogic: QLA2310F-E-SP ^{11, 12, 13, 14} , QLA2340-E-SP ^{11, 13, 14} , QLA2342-E-SP ^{11, 13, 14}	FC-AL, FC-SW	Y	See ³
5	Netserver LC: 2000 U3, 2000R; Netserver: LPR, LT 6000R; Proliant: 8500, DL320 ¹⁵ , DL360(G2) ^{15, 16} , DL360 ¹⁵ , DL380(G2) ¹⁵ , DL380 ¹⁵ , DL580 ¹⁵ , ML350(G2) ¹⁵ , ML350(G3), ML350 ¹⁵ , ML370(G2), ML370(G3), ML370 ¹⁵ , ML530(G2) ¹⁵ , ML530 ¹⁵ , ML570 ¹⁵ , ML750 ⁴	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 8, 9, 10} , LP9002-E (LP9002L-E) ^{5, 7, 8, 9} , LP9802-E ^{2, 5, 6, 7} , LP9802DC-E ^{2, 5, 6, 7} , LP982-E ^{2, 5, 6} , HPQ FCA2404 (LP9802) ^{5, 6, 21} , QLLogic: QLA2310F-E-SP ^{11, 12, 13, 14} , QLA2340-E-SP ^{11, 13, 14} , QLA2342-E-SP ^{11, 13, 14}	FC-AL, FC-SW	Y	See ³
6	Proliant DL380(G3)	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 8, 9, 10} , LP9002-E (LP9002L-E) ^{5, 7, 8, 9} , LP9802-E ^{2, 5, 6, 7} , LP9802DC-E ^{2, 5, 6, 7} , LP982-E ^{2, 5, 6} , HPQ: 176479-B21 ^{9, 19} , DS-KGPSA-CB (LP8000) ^{5, 8} , DS-KGPSA-CY (LP8000) ^{5, 8} , FCA2404 (LP9802) ^{5, 6, 21} , QLLogic: QLA2310F-E-SP ^{11, 12, 13, 14} , QLA2340-E-SP ^{11, 13, 14} , QLA2342-E-SP ^{11, 13, 14}	FC-AL, FC-SW	Y	See ³
7	Proliant: 5500 ^{15, 17} , 7000 ^{15, 17}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 8, 9, 10} , LP9002-E (LP9002L-E) ^{5, 7, 8, 9} , QLLogic: QLA2310F-E-SP ^{11, 12, 13, 14} , QLA2340-E-SP ^{11, 13, 14} , QLA2342-E-SP ^{11, 13, 14}	FC-AL, FC-SW	Y	See ³

HPQ – Microsoft Windows NT							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
8	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ¹⁵ , ML570(G2)	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 8, 9, 10} , LP9002-E (LP9002L-E) ^{5, 7, 8, 9} , LP9802-E ^{2, 5, 6, 7} , LP9802DC-E ^{2, 5, 6, 7} , LP982-E ^{2, 5, 6} ; HPQ FCA2404 (LP9802) ^{5, 6, 21} . QLogic: QLA2310F-E-SP ^{11, 12, 13, 14} , QLA2340-E-SP ^{11, 13, 14} , QLA2342-E-SP ^{11, 13, 14}	FC-AL, FC-SW	Y	See ³
9	Proliant: DL580(G2) ¹⁵ , DL580(G3)	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 8, 9, 10} , LP9002-E (LP9002L-E) ^{5, 7, 8, 9} , LP9802-E ^{2, 5, 6, 7} , LP9802DC-E ^{2, 5, 6, 7} , LP982-E ^{2, 5, 6} ; HPQ FCA2404 (LP9802) ^{5, 6, 21} . QLogic: QLA2310F-E-SP ^{11, 12, 13, 14} , QLA2340-E-SP ^{11, 13, 14} , QLA2342-E-SP ^{11, 13, 14}	FC-AL, FC-SW	Y	See ³

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- CLARiiON FC4500 array is also supported for these configurations.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- Driver Version 2.20a12.
- Firmware Version 1.01a2.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Firmware Version 3.90a7.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- HBA BIOS is 1.34.
- If using ATF/CDE, requires 2.0.9 or greater.
- Driver/BIOS are available at <http://www.qlogic.com>
- Driver Version 8.1.5.21.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Requires BIOS v4.01 rev A (5/17/2002) for use with Emulex HBAs.
- Includes both Pentium PRO and XEON models
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- Driver Version 2.20a12. Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.

IBM

IBM – Microsoft Windows NT							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ¹⁴ , 7100, 7600	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 7, 8, 9} , IBM: 19K1246(QLA2310) ^{10, 11, 13, 18} , 24P0960(QLA2340) ^{10, 11, 13, 19} ; QLogic: QLA2310F-E-SP ^{10, 11, 12, 13} , QLA2340-E-SP ^{10, 11, 13} , QLA2342-E-SP ^{10, 11, 13}	FC-AL, FC-SW	Y	See ⁵
2	Netfinity 8500R; xSeries: X340 (4500R) ¹⁵ , X342 ¹⁵ , x230, x240 ¹⁵ , x250 ¹⁵ , x350 (6000R) ¹⁵ , x370 ¹⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 7, 8, 9} , LP9002-E (LP9002L-E) ^{4, 6, 7, 8} , LP9802-E ^{2, 3, 4, 6} , LP9802DC-E ^{2, 3, 4, 6} , LP982-E ^{2, 3, 4} ; IBM: 19K1246(QLA2310) ^{10, 11, 13, 18} , 24P0960(QLA2340) ^{10, 11, 13, 19} ; QLogic: QLA2310F-E-SP ^{10, 11, 12, 13} , QLA2340-E-SP ^{10, 11, 13} , QLA2342-E-SP ^{10, 11, 13}	FC-AL, FC-SW	Y	See ⁵
3	xSeries: X330 ¹⁵ , X335, x232 ¹⁵ , x255 ¹⁵	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 7, 8, 9} , LP9002-E (LP9002L-E) ^{4, 6, 7, 8} , LP9802-E ^{2, 3, 4, 6} , LP9802DC-E ^{2, 3, 4, 6} , LP982-E ^{2, 3, 4} ; QLogic: QLA2310F-E-SP ^{10, 11, 12, 13} , QLA2340-E-SP ^{10, 11, 13} , QLA2342-E-SP ^{10, 11, 13}	FC-AL, FC-SW	Y	See ⁵
4	xSeries: x360 ¹⁵ , x440 ¹⁵	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 7, 8, 9} , LP9002-E (LP9002L-E) ^{4, 6, 7, 8} , LP9802-E ^{2, 3, 4, 6} , LP9802DC-E ^{2, 3, 4, 6} , LP982-E ^{2, 3, 4} ; IBM: 19K1246(QLA2310) ^{10, 11, 13, 18} , 24P0960(QLA2340) ^{10, 11, 13, 19} ; QLogic: QLA2310F-E-SP ^{10, 11, 12, 13} , QLA2340-E-SP ^{10, 11, 13} , QLA2342-E-SP ^{10, 11, 13}	FC-AL, FC-SW	Y	See ⁵
5	xSeries x235 ¹⁵	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 7, 8, 9} , LP9002-E (LP9002L-E) ^{4, 7, 8, 17} , LP9802-E ^{2, 3, 4, 6} , LP9802DC-E ^{2, 3, 4, 6} , LP982-E ^{2, 3, 4, 6} ; IBM: 19K1246(QLA2310) ^{10, 11, 13, 18} , 24P0960(QLA2340) ^{10, 11, 13, 19} ; QLogic: QLA2310F-E-SP ^{10, 11, 12, 13, 17} , QLA2340-E-SP ^{10, 11, 13, 17} , QLA2342-E-SP ^{10, 11, 13, 17}	FC-AL, FC-SW	Y	See ⁵
6	xSeries x255 ¹⁵	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	IBM: 19K1246(QLA2310) ^{10, 11, 13, 18} , 24P0960(QLA2340) ^{10, 11, 13, 19}	FC-AL, FC-SW	Y	See ⁵
7	xSeries x445	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 7, 8, 9} , LP9002-E (LP9002L-E) ^{4, 6, 7, 8} , LP9802-E ^{2, 3, 4, 6} , LP9802DC-E ^{2, 3, 4, 6} , LP982-E ^{2, 3, 4} ; IBM: 19K1246(QLA2310) ^{10, 11, 13, 18} , 24P0960(QLA2340) ^{10, 11, 13, 19} ; QLogic: QLA2310F-E-SP ^{10, 11, 12, 13} , QLA2340-E-SP ^{10, 11, 13} , QLA2342-E-SP ^{10, 11, 13}	FC-AL, FC-SW	Y	See ⁵
8	xSeries x345 ¹⁵	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 7, 8, 9} , LP9002-E (LP9002L-E) ^{4, 7, 8, 20} ; IBM: 19K1246(QLA2310) ^{10, 11, 13, 18} , 24P0960(QLA2340) ^{10, 11, 13, 19}	FC-AL, FC-SW	Y	See ⁵
9	xSeries x345 ^{15, 16}	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP9802-E ^{2, 3, 4, 6} , LP9802DC-E ^{2, 3, 4, 6} , LP982-E ^{2, 3, 4, 6}	FC-AL, FC-SW	Y	See ⁵
10	xSeries x345	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	QLogic: QLA2310F-E-SP ^{10, 11, 13, 17} , QLA2340-E-SP ^{10, 11, 13, 17} , QLA2342-E-SP ^{10, 11, 13, 17}	FC-AL, FC-SW	Y	See ⁵

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- Driver Version 2.20a12.
- CLARiON FC4500 array is also supported for these configurations.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Firmware Version 3.90a7.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Driver Version 8.1.5.21.
- HBA BIOS is 1.34.
- If using ATF/CDE, requires 2.0.9 or greater.
- Driver/BIOS are available at <http://www.qlogic.com>
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- For IBM xSeries Servers running Windows NT and Windows 2000 with IBM ServerRaid controller 4M, the ServerRaid Driver must be 6.00 or above for use with EMC PowerPath 3.0 and above. IBM driver can be downloaded at: <http://www-3.ibm.com/pc/support/site.wss/document.do?indocid=MIGR-39723>
- It is recommended that the QLogic QLA2340 is not installed in Slot 1.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- This HBA is equivalent to the qLogic QLA2310.
- This HBA is equivalent to the qLogic QLA2340.
- The LP9002-E now ships with the LP9002L-E low profile adapter.

NEC

NEC – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800: 140Ha, 140Hb, 140Ma, 140Ra-4, 180Ha	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 7} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 11} , LP9802-E ^{3, 5, 12, 13} , LP9802DC-E ^{3, 5, 12, 13} , LP982-E ^{3, 5, 12, 13} ; NEC: N8190-105 ^{2, 3, 5, 6} , N8503-200 ^{2, 3, 4} ; QLogic: QLA2300F-E-SP ^{6, 8, 9, 10} , QLA2310F-E-SP ^{6, 8, 9, 10} , QLA2340-E-SP ^{6, 8, 9, 10} , QLA2342-E-SP ^{6, 8, 9, 10}	FC-AL, FC-SW	Y
2	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 7} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 11} , LP9802-E ^{3, 5, 12, 13} , LP9802DC-E ^{3, 5, 12, 13} , LP982-E ^{3, 5, 12, 13} ; NEC: N8190-105 ^{2, 3} , N8190-105 ^{2, 3, 5, 6} , N8503-200 ^{2, 3, 4} ; QLogic: QLA2300F-E-SP ^{6, 8, 9, 10} , QLA2310F-E-SP ^{6, 8, 9, 10} , QLA2340-E-SP ^{6, 8, 9, 10} , QLA2342-E-SP ^{6, 8, 9, 10}	FC-AL, FC-SW	Y
3	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-2, 140Ra-7, 140Rb-4, 180Rb-7, 180Rc-4	PCI	Microsoft Windows NT 4.0 SP6A ¹	NEC: N8190-105 ^{2, 3} , N8503-200 ^{2, 3, 4}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Firmware Version 3.90a7.
- Driver Version 2.20a12.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- HBA BIOS is 1.34.
- Driver/BIOS are available at <http://www.qlogic.com>
- Driver Version 8.1.5.21.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.

Unisys

Unisys – Microsoft Windows NT							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ES7000/230	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 4, 5} , LP9002-E (LP9002L-E) ^{4, 5, 6} , LP9802-E ^{4, 6, 7} , LP9802DC-E ^{4, 6, 7} , LP982-E ^{4, 6, 7, 8}	FC-AL, FC-SW	Y	See ³
2	ES7000/100	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 4, 5} , LP9002-E (LP9002L-E) ^{4, 5, 6} , LP9802-E ^{4, 7} , LP9802DC-E ^{4, 6, 7} , LP982-E ^{4, 7, 8}	FC-AL, FC-SW	Y	See ³
3	ES7000/200	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 4, 5} , LP9002-E (LP9002L-E) ^{4, 5, 6} , LP9802-E ^{4, 7} , LP9802DC-E ^{4, 6, 7} , LP982-E ^{4, 7, 8} ; QLogic: QLA2340-E-SP ^{9, 10, 11} , QLA2342-E-SP ^{9, 10, 11}	FC-AL, FC-SW	Y	See ³

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- CLARiON FC4500 array is also supported for these configurations.
- Driver Version 2.20a12.
- Firmware Version 3.90a7.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Firmware Version 1.01a2.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- HBA BIOS is 1.34.
- Driver/BIOS are available at <http://www.qlogic.com>
- Driver Version 8.1.5.21.

Novell Network Dell

Dell – Novell Network							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2500, 2550 ³³ , 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Network 5.00 SP6A ^{14, 15, 50}	QLogic: QLA2310F-E-SP ^{26, 28, 29} , QLA2340-E-SP ^{26, 28, 29} , QLA2342-E-SP ^{26, 27, 28, 29}	FC-AL, FC-SW	N	
2	PowerEdge: 1550, 2500, 2550 ³³	PCI	Novell Network 5.00 SP6A ^{14, 15, 50}	QLogic: QLA2310F-E-SP ^{26, 28, 29} , QLA2340-E-SP ^{26, 28, 29} , QLA2342-E-SP ^{26, 27, 28, 29}	FC-AL, FC-SW	Y ^{11, 23, 24, 25}	

Dell – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
3	PowerEdge: 1650, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.00 SP6A ^{14, 15, 50}	QLogic: QLA2310F-E-SP ^{26, 28, 29} QLA2340-E-SP ^{26, 28, 29} , QLA2342-E-SP ^{26, 27, 28, 29}	FC-AL, FC-SW	Y ^{11, 24, 25}	
4	PowerEdge 1650	PCI	Novell Netware 5.00 SP6A ^{15, 50}	QLogic QLA2200F-EMC ^{17, 18}	FC-AL, FC-SW	Y ^{1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13}	See ^{19, 20, 21}
5	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2500, 2550 ³³ , 4300, 4400, 6100, 6300, 6350, 6400, 6450	PCI	Novell Netware 5.00 SP6A ^{15, 50}	QLogic QLA2200F-EMC ^{17, 18}	FC-AL, FC-SW	N	See ^{19, 20, 21}
6	PowerEdge: 1550, 2400, 2450, 2500, 2550 ³³ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.00 SP6A ^{15, 50}	QLogic QLA2200F-EMC ^{17, 18}	FC-AL, FC-SW	Y ^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13}	See ^{19, 20, 21}
7	PowerEdge 8450	PCI	Novell Netware 5.00 SP6A ^{15, 50}	QLogic QLA2200F-EMC ^{17, 18, 26, 34, 35, 36}	FC-AL, FC-SW	N	See ^{19, 20, 21}
8	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2500, 2550 ³³ , 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.00 SP6A ^{15, 50}	QLogic QLA2300F-E-SP ^{26, 28}	FC-AL, FC-SW	N	
9	PowerEdge: 1550, 2500	PCI	Novell Netware 5.10 SP2A ¹⁵	QLogic: QLA2310F-E-SP ^{22, 26, 28, 29} , QLA2340-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y ^{11, 13, 23, 24, 25}	
10	PowerEdge: 1650, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10 SP2A ¹⁵	QLogic: QLA2310F-E-SP ^{22, 26, 28, 29} , QLA2340-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y ^{11, 13, 24, 25}	
11	PowerEdge: 2300, 6400	PCI	Novell Netware 5.10 SP2A ¹⁵	QLogic: QLA2310F-E-SP ^{22, 26, 28, 29} , QLA2340-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	N	
12	PowerEdge 8450	PCI	Novell Netware 5.10: SP2A ¹⁵ , SP2 ¹⁵	IBM: 00N6881 (QLA2200) ^{37, 38, 39, 40, 19K1246(QLA2310)^{38, 39, 40, 41,} QLogic: QLA2200F-EMC^{18, 22, 26} QLA2202F-EMC^{12, 17, 18, 19, 26, 34, 35, 44}, QLA2310F-E-SP^{22, 26, 28, 29}, QLA2340-E-SP^{22, 26, 28, 29}}	FC-AL, FC-SW	N	See ²¹
13	PowerEdge 2550 ³³	PCI	Novell Netware 5.10: SP2A ¹⁵ , SP5 ^{15, 31} , SP6	QLogic QLA2310F-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y ^{11, 13, 23, 24, 25}	
14	PowerEdge: 1650, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP2A ¹⁵ , SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16, 32} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLogic QLA2342-E-SP ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	Y ^{11, 13, 24, 25}	
15	PowerEdge: 2300, 6400, 8450	PCI	Novell Netware 5.10: SP2A ¹⁵ , SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16, 32} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLogic QLA2342-E-SP ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	N	
16	PowerEdge: 1550, 2500	PCI	Novell Netware 5.10: SP2A ¹⁵ , SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLogic QLA2342-E-SP ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	Y ^{11, 13, 23, 24, 25}	
17	PowerEdge 2550 ³³	PCI	Novell Netware 5.10: SP2A ¹⁵ , SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLogic QLA2342-E-SP ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	Y ^{11, 13, 23, 24, 25}	
18	PowerEdge 2550 ³³	PCI	Novell Netware 5.10: SP2A ¹⁵ , SP5 ^{15, 31} , SP6	QLogic QLA2340-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y ^{11, 13, 23, 24, 25}	
19	PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.10: SP2A ¹⁵ , SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 32} , SP2 ^{14, 15} , SP3 ¹⁴	QLogic: QLA2310F-E-SP ^{22, 26, 28, 29} , QLA2340-E-SP ^{22, 26, 28, 29} , QLA2342-E-SP ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	N	
20	PowerEdge 8450	PCI	Novell Netware 5.10: SP5 ^{15, 31} , SP6	QLogic QLA2200F-EMC ^{17, 18, 22, 26, 34, 35, 36}	FC-AL, FC-SW	N	See ^{19, 20, 21}
21	PowerEdge 2550 ³³	PCI	Novell Netware 5.10: SP5 ^{15, 31} , SP6	QLogic QLA2310F-E-SP ^{22, 27, 28, 29}	FC-AL, FC-SW	Y ^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 25}	See ^{19, 20, 21}
22	PowerEdge 2550 ³³	PCI	Novell Netware 5.10: SP5 ^{15, 31} , SP6	QLogic QLA2340-E-SP ^{22, 28, 29}	FC-AL, FC-SW	Y ^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 25, 30}	See ^{19, 20, 21}
23	PowerEdge 1650	PCI	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16, 32} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLogic QLA2310F-E-SP ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	Y ^{1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24, 25}	See ^{19, 20, 21}
24	PowerEdge: 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16, 32} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLogic QLA2310F-E-SP ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	Y ^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24, 25}	See ^{19, 20, 21}
25	PowerEdge 1650	PCI	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16, 32} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLogic QLA2340-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y ^{1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24, 25, 30}	See ^{19, 20, 21}
26	PowerEdge: 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16, 32} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLogic QLA2340-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y ^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24, 25, 30}	See ^{19, 20, 21}
27	PowerEdge 8450	PCI	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16, 32} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLogic: QLA2310F-E-SP ^{22, 26, 27, 28, 29} , QLA2340-E-SP ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	N	See ^{19, 20, 21}
28	PowerEdge: 2300, 6400	PCI	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16, 32} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLogic: QLA2310F-E-SP ^{22, 26, 27, 28, 29} , QLA2340-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	N	See ^{19, 20, 21}

Dell – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
29	PowerEdge 1650	PCI	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLogic QLA2200F-EMC ^{17, 18, 22}	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{19, 20,} 21
30	PowerEdge: 1550, 2400, 2450, 2500, 2550 ³³ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLogic QLA2200F-EMC ^{17, 18, 22}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{19, 20,} 21
31	PowerEdge: 1550, 2500	PCI	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLogic QLA2310F-E-Sp ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 25	See ^{19, 20,} 21
32	PowerEdge: 1550, 2500	PCI	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLogic QLA2340-E-Sp ^{22, 26, 28, 29}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 25, 30	See ^{19, 20,} 21
33	PowerEdge: 2300, 6400	PCI	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16} , SP2 ^{14, 15, 16} , SP3 ¹⁴ ; Novell Netware 6.5 ^{14, 46}	QLogic QLA2200F-EMC ^{17, 18, 22}	FC-AL, FC-SW	N	See ^{19, 20,} 21
34	PowerEdge 8450	PCI	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15} , SP2 ^{14,} 15, SP3 ¹⁴ ; Novell Netware 6.5 ^{14, 46}	IBM 19K1246(QLA2310) ^{38, 39, 40, 41}	FC-AL, FC-SW	N	See ^{19, 20,} 21
35	PowerEdge 2550 ³³	PCI	Novell Netware 6.0: SP1 ^{14, 15, 16} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLogic QLA2310F-E-Sp ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 25	See ^{19, 20,} 21
36	PowerEdge 2550 ³³	PCI	Novell Netware 6.0: SP1 ^{14, 15, 16} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLogic QLA2340-E-Sp ^{22, 26, 28, 29}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 25, 30	See ^{19, 20,} 21
37	PowerEdge 8450	PCI	Novell Netware 6.0: SP1 ^{14, 15, 16} , SP2 ^{14, 15, 16} , SP3 ¹⁴ ; Novell Netware 6.5 ^{14, 46}	QLogic QLA2200F-EMC ^{17, 18, 22, 26, 34}	FC-AL, FC-SW	N	See ^{19, 20,} 21
38	PowerEdge: 1650, 2300, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Netware 6.0: SP1 ^{14, 15, 32} , SP2 ^{14, 15} , SP3 ¹⁴	QLogic QLA2300F-E-Sp ^{22, 26, 28}	FC-AL, FC-SW	N	
39	PowerEdge: 1550, 2500, 2550 ³³	PCI	Novell Netware 6.0: SP1 ^{14, 15} , SP2 ^{14,} 15, SP3 ¹⁴	QLogic QLA2300F-E-Sp ^{22, 26, 28}	FC-AL, FC-SW	N	
40	PowerEdge: 1550, 1650, 2400, 2450, 2500, 2550 ³³ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 6.5 ^{14, 46}	QLogic: QLA2200F-EMC ^{17, 18, 22} , QLA2310F-E-Sp ^{22, 27, 28, 29, 45} , QLA2340-E-Sp ^{22, 29, 45}	FC-AL, FC-SW	N	See ^{19, 20,} 21
41	PowerEdge 8450	PCI	Novell Netware 6.5 ^{14, 46}	QLogic: QLA2310F-E-Sp ^{22, 26, 27, 28, 29, 45} , QLA2340-E-Sp ^{22, 29, 45}	FC-AL, FC-SW	N	See ^{19, 20,} 21
42	PowerEdge: 2300, 6400	PCI	Novell Netware 6.5 ^{14, 46}	QLogic: QLA2310F-E-Sp ^{22, 27, 28, 29, 45} , QLA2340-E-Sp ^{22, 29, 45}	FC-AL, FC-SW	N	See ^{19, 20,} 21
43	PowerEdge 1650	PCI	Novell Netware: 5.00 SP6A ^{15, 50} 5.10 SP5 ^{15, 31} 5.10 SP6, 6.0 SP1 ^{14, 15, 16} , 6.0 SP2 ^{14, 15, 16} , 6.0 SP3 ¹⁴	QLogic QLA2202F-EMC ^{12, 17, 18, 19, 26, 34, 35,} 44	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{19, 20,} 21
44	PowerEdge: 1550, 2400, 2450, 2500, 2550 ³³ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware: 5.00 SP6A ^{15, 50} 5.10 SP5 ^{15, 31} 5.10 SP6, 6.0 SP1 ^{14, 15, 16} , 6.0 SP2 ^{14, 15, 16} , 6.0 SP3 ¹⁴	QLogic QLA2202F-EMC ^{12, 17, 18, 19, 26, 34, 35,} 44	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{19, 20,} 21
45	PowerEdge: 2300, 6400, 8450	PCI	Novell Netware: 5.00 SP6A ^{15, 50} 5.10 SP5 ^{15, 31} 5.10 SP6, 6.0 SP1 ^{14, 15, 16} , 6.0 SP2 ^{14, 15, 16} , 6.0 SP3 ¹⁴ , 6.5 ^{14, 46}	QLogic QLA2202F-EMC ^{12, 17, 18, 19, 26, 34, 35,} 44	FC-AL, FC-SW	N	See ^{19, 20,} 21
46	PowerEdge 8450	PCI	Novell Netware: 5.00 SP6A ^{15, 50} 5.10 SP5 ^{15, 31} 5.10 SP6, 6.0 SP1 ^{14, 15, 16} , 6.0 SP2 ^{14, 15, 16} , 6.0 SP3 ¹⁴ , 6.5 ^{14, 46}	IBM 00N6881 (QLA2200) ^{37, 38, 39, 40}	FC-AL, FC-SW	N	See ^{19, 20,} 21
47	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2550 ³³ , 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Novell Netware: 5.00 SP6A ^{15, 50} 6.0 SP1 ^{14, 15, 32} , 6.0 SP2 ^{14, 15} , 6.0 SP3 ¹⁴	Emulex LP9002-E (LP9002L-E) ^{47, 48, 49}	FC-AL, FC-SW	N	
48	PowerEdge 2500	PCI	Novell Netware: 5.00 SP6A ^{15, 50} 6.0 SP1 ^{14, 15} , 6.0 SP2 ^{14, 15} , 6.0 SP3 ¹⁴	Emulex LP9002-E (LP9002L-E) ^{48, 49}	FC-AL, FC-SW	N	
49	PowerEdge: 1550, 1650, 2400, 2450, 2500, 2550 ³³ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware: 5.00 SP6A ^{15, 50} 6.5 ^{14,} 46	QLogic QLA2202F-EMC ^{12, 17, 18, 19, 26, 34, 35,} 44	FC-AL, FC-SW	N	See ^{19, 20,} 21
50	PowerEdge: 1750, 2600, 2650, 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{14, 15, 50}	QLogic: QLA2310F-E-Sp ^{26, 28, 29} QLA2340-E-Sp ^{26, 28, 29} , QLA2342-E-Sp ^{26,} 27, 28, 29	FC-AL, FC-SW	N	
51	PowerEdge: 1750, 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{14, 15, 50}	QLogic: QLA2310F-E-Sp ^{26, 28, 29} QLA2340-E-Sp ^{26, 28, 29} , QLA2342-E-Sp ^{26,} 27, 28, 29	FC-AL, FC-SW	Y11, 24, 25	
52	PowerEdge: 2600, 2650	PCI-X	Novell Netware 5.00 SP6A ^{14, 15, 50}	QLogic: QLA2310F-E-Sp ^{26, 28, 29} QLA2340-E-Sp ^{26, 28, 29} , QLA2342-E-Sp ^{26,} 27, 28, 29	FC-AL, FC-SW	Y11, 23, 24, 25	
53	PowerEdge 2650	PCI-X	Novell Netware 5.00 SP6A ^{15, 50}	QLogic QLA2200F-EMC ^{12, 17, 18, 19}	FC-AL, FC-SW	N, Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 20, 31	See ²¹
54	PowerEdge 1750	PCI-X	Novell Netware 5.00 SP6A ^{15, 50}	QLogic QLA2200F-EMC ^{17, 18}	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{19, 20,} 21
55	PowerEdge: 1750, 2600, 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{15, 50}	QLogic QLA2200F-EMC ^{17, 18}	FC-AL, FC-SW	N	See ^{19, 20,} 21

Dell – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
56	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{15, 50}	QLLogic QLA2200F-EMC ^{17, 18}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 19, 20, 31, 43	See ²¹
57	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{15, 50}	QLLogic QLA2202F-EMC ^{12, 17, 18, 19, 26, 34, 35, 44}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 31	See ^{19, 20, 21}
58	PowerEdge: 1750, 2600, 2650, 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{15, 50}	QLLogic QLA2300F-E-SP ^{26, 28}	FC-AL, FC-SW	N	
59	PowerEdge 2600	PCI-X	Novell Netware 5.10 SP2A ¹⁵	QLLogic QLA2310F-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y11, 13, 23, 24, 25	
60	PowerEdge 2650	PCI-X	Novell Netware 5.10 SP2A ¹⁵	QLLogic: QLA2310F-E-SP ^{22, 26, 28, 29} , QLA2340-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y11, 13, 23, 24, 25	
61	PowerEdge: 1750, 4600, 6600	PCI-X	Novell Netware 5.10 SP2A ¹⁵	QLLogic: QLA2310F-E-SP ^{22, 26, 28, 29} , QLA2340-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y11, 13, 24, 25	
62	PowerEdge 2650	PCI-X	Novell Netware 5.10: SP2A ¹⁵ , SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16, 32} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLLogic QLA2342-E-SP ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	Y11, 13, 23, 24, 25	
63	PowerEdge: 1750, 4600, 6600	PCI-X	Novell Netware 5.10: SP2A ¹⁵ , SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16, 32} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLLogic QLA2342-E-SP ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	Y11, 13, 24, 25	
64	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP2A ¹⁵ , SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLLogic: QLA2340-E-SP ^{22, 26, 28, 29} , QLA2342-E-SP ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	Y11, 13, 23, 24, 25	
65	PowerEdge 6650	PCI-X	Novell Netware 5.10: SP2A ¹⁵ , SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16} , SP1 ^{14, 15, 32} , SP2 ^{14, 15} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLLogic QLA2342-E-SP ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	Y11, 13, 24, 25	
66	PowerEdge 6650	PCI-X	Novell Netware 5.10: SP2A ¹⁵ , SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 32} , SP2 ^{14, 15} , SP3 ¹⁴	QLLogic: QLA2310F-E-SP ^{22, 26, 28, 29} , QLA2340-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y11, 13, 24, 25	
67	PowerEdge 2650	PCI-X	Novell Netware 5.10: SP5 ^{15, 16, 42} , SP6	QLLogic QLA2200F-EMC ^{12, 17, 18, 19, 22}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 20, 31	See ²¹
68	PowerEdge 6650	PCI-X	Novell Netware 5.10: SP5 ^{15, 31} , SP6	QLLogic QLA2340-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24, 25, 30	See ^{19, 20, 21}
69	PowerEdge 1750	PCI-X	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16, 32} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLLogic QLA2310F-E-SP ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24, 25	See ^{19, 20, 21}
70	PowerEdge 1750	PCI-X	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16, 32} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLLogic QLA2340-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24, 25, 30	See ^{19, 20, 21}
71	PowerEdge 2650	PCI-X	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16, 32} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLLogic QLA2340-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 25, 30	See ^{19, 20, 21}
72	PowerEdge: 4600, 6600	PCI-X	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16, 32} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLLogic QLA2340-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24, 25, 30	See ^{19, 20, 21}
73	PowerEdge 1750	PCI-X	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLLogic QLA2200F-EMC ^{17, 18, 22}	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{19, 20, 21}
74	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLLogic QLA2310F-E-SP ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	Y11, 13, 23, 24, 25	
75	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16} , SP2 ^{14, 15, 16} , SP3 ¹⁴	QLLogic: QLA2310F-E-SP ^{22, 27, 28, 29} , QLA2340-E-SP ^{22, 28, 29}	FC-AL, FC-SW	N	See ^{19, 20, 21}
76	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP5 ^{15, 31} , SP6; Novell Netware 6.0: SP1 ^{14, 15, 16} , SP2 ^{14, 15, 16} , SP3 ¹⁴ ; Novell Netware 6.5 ^{14, 46}	QLLogic QLA2200F-EMC ^{17, 18, 22}	FC-AL, FC-SW	N	See ^{19, 20, 21}
77	PowerEdge 2650	PCI-X	Novell Netware 5.10: SP5 ¹⁵ , SP6	QLLogic QLA2310F-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 19, 20, 23, 24, 25, 31, 43	See ²¹
78	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 5.10: SP5 ¹⁵ , SP6	QLLogic QLA2310F-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 19, 20, 24, 25, 31, 43	See ²¹

Dell – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
79	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 5.10: SP5 ¹⁵ , SP6	QLogic: QLA2200F-EMC ^{18, 22} QLA2202F-EMC ^{12, 17, 18, 19, 26, 34, 35, 44}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 19, 20, 31, 43	See ²¹
80	PowerEdge 6650	PCI-X	Novell Netware 6.0 SP1 ¹⁴ , 15	QLogic QLA2310F-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 19, 20, 24, 25, 43	See ²¹
81	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 6.0 SP1 ¹⁴ , 15, 16, 42	QLogic: QLA2200F-EMC ^{12, 17, 18, 19, 22} QLA2202F-EMC ^{12, 17, 18, 19, 26, 34, 35, 44}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 20	See ²¹
82	PowerEdge: 4600, 6600	PCI-X	Novell Netware 6.0 SP1 ¹⁴ , 15, 32	QLogic QLA2310F-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 19, 20, 24, 25, 43	See ²¹
83	PowerEdge 2650	PCI-X	Novell Netware 6.0: SP1 ¹⁴ , 15, 16, 42, SP2 ¹⁴ , 15, 16, 42, SP3 ¹⁴	QLogic: QLA2200F-EMC ^{12, 17, 18, 19, 22} QLA2202F-EMC ^{12, 17, 18, 19, 26, 34, 35, 44}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 20	See ²¹
84	PowerEdge 6650	PCI-X	Novell Netware 6.0: SP1 ¹⁴ , 15, 16, SP2 ¹⁴ , 15, 16, SP3 ¹⁴	QLogic QLA2340-E-SP ^{22, 28, 29}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24, 25, 30	See ^{19, 20, 21}
85	PowerEdge: 1750, 2650, 4600	PCI-X	Novell Netware 6.0: SP1 ¹⁴ , 15, 32, SP2 ¹⁴ , 15, SP3 ¹⁴	QLogic QLA2300F-E-SP ^{22, 26, 28}	FC-AL, FC-SW	N	
86	PowerEdge 2650	PCI-X	Novell Netware 6.0: SP1 ¹⁴ , 15, 32, SP2 ¹⁴ , 15, SP3 ¹⁴	QLogic QLA2310F-E-SP ^{22, 26, 28, 29}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 19, 20, 23, 24, 25, 43	See ²¹
87	PowerEdge: 2600, 6600, 6650	PCI-X	Novell Netware 6.0: SP1 ¹⁴ , 15, SP2 ¹⁴ , 15, SP3 ¹⁴	QLogic QLA2300F-E-SP ^{22, 26, 28}	FC-AL, FC-SW	N	
88	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 6.0: SP2 ¹⁴ , 15, SP3 ¹⁴	QLogic QLA2310F-E-SP ^{22, 26, 27, 28, 29}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24, 25, 43	See ^{19, 20, 21}
89	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 6.0: SP2 ¹⁴ , 15, SP3 ¹⁴	QLogic: QLA2200F-EMC ^{17, 18, 22} QLA2202F-EMC ^{12, 17, 18, 19, 26, 34, 35, 44}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{19, 20, 21}
90	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 6.0: SP2 ¹⁴ , 15, SP3 ¹⁴ , Novell Netware 6.5 ^{14, 46}	IBM 19K1246(QLA2310) ^{38, 39, 40, 41}	FC-AL, FC-SW	N	See ^{19, 20, 21}
91	PowerEdge 2650	PCI-X	Novell Netware 6.5 ^{14, 46}	QLogic QLA2340-E-SP ^{22, 29, 45}	FC-AL, FC-SW	N	See ^{19, 20, 21}
92	PowerEdge 2650	PCI-X	Novell Netware 6.5 ^{14, 46}	QLogic: QLA2200F-EMC ^{12, 17, 18, 19, 22} QLA2310F-E-SP ^{22, 26, 28, 29, 45}	FC-AL, FC-SW	N	See ²¹
93	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 6.5 ^{14, 46}	QLogic: QLA2200F-EMC ^{17, 18, 22} QLA2310F-E-SP ^{22, 26, 27, 28, 29, 45} QLA2340-E-SP ^{22, 29, 45}	FC-AL, FC-SW	N	See ^{19, 20, 21}
94	PowerEdge 1750	PCI-X	Novell Netware 6.5 ^{14, 46}	QLogic: QLA2200F-EMC ^{17, 18, 22} QLA2310F-E-SP ^{22, 27, 28, 29, 45} QLA2340-E-SP ^{22, 29, 45}	FC-AL, FC-SW	N	See ^{19, 20, 21}
95	PowerEdge 2600	PCI-X	Novell Netware 6.5 ^{14, 46}	QLogic: QLA2310F-E-SP ^{22, 27, 28, 29, 45} QLA2340-E-SP ^{22, 29, 45}	FC-AL, FC-SW	N	See ^{19, 20, 21}
96	PowerEdge 2650	PCI-X	Novell Netware: 5.00 SP6A ^{15, 50} , 5.10 SP5 ^{15, 16, 42} , 5.10 SP6	QLogic QLA2202F-EMC ^{12, 17, 18, 19, 26, 34, 35, 44}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 20, 31	See ²¹
97	PowerEdge 1750	PCI-X	Novell Netware: 5.00 SP6A ^{15, 50} , 5.10 SP5 ^{15, 31} , 5.10 SP6, 6.0 SP1 ¹⁴ , 15, 16, 6.0 SP2 ¹⁴ , 15, 16, 6.0 SP3 ¹⁴	QLogic QLA2202F-EMC ^{12, 17, 18, 19, 26, 34, 35, 44}	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{19, 20, 21}
98	PowerEdge 2600	PCI-X	Novell Netware: 5.00 SP6A ^{15, 50} , 5.10 SP5 ^{15, 31} , 5.10 SP6, 6.0 SP1 ¹⁴ , 15, 16, 6.0 SP2 ¹⁴ , 15, 16, 6.0 SP3 ¹⁴ , 6.5 ^{14, 46}	QLogic QLA2202F-EMC ^{12, 17, 18, 19, 26, 34, 35, 44}	FC-AL, FC-SW	N	See ^{19, 20, 21}
99	PowerEdge: 1750, 2600, 2650, 4600, 6600, 6650	PCI-X	Novell Netware: 5.00 SP6A ^{15, 50} , 6.0 SP1 ¹⁴ , 15, 32, 6.0 SP2 ¹⁴ , 15, 6.0 SP3 ¹⁴	Emulex LP9002-E (LP9002L-E) ^{47, 48, 49}	FC-AL, FC-SW	N	
100	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware: 5.00 SP6A ^{15, 50} , 6.0 SP2 ¹⁴ , 15, 6.0 SP3 ¹⁴ , 6.5 ^{14, 46}	IBM 00N6881 (QLA2200) ^{37, 38, 39, 40}	FC-AL, FC-SW	N	See ^{19, 20, 21}
101	PowerEdge 2650	PCI-X	Novell Netware: 5.00 SP6A ^{15, 50} , 6.5 ¹⁴ , 46	QLogic QLA2202F-EMC ^{12, 17, 18, 19, 26, 34, 35, 44}	FC-AL, FC-SW	N	See ²¹
102	PowerEdge: 1750, 4600, 6600, 6650	PCI-X	Novell Netware: 5.00 SP6A ^{15, 50} , 6.5 ¹⁴ , 46	QLogic QLA2202F-EMC ^{12, 17, 18, 19, 26, 34, 35, 44}	FC-AL, FC-SW	N	See ^{19, 20, 21}

- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Supports eight (8) hosts per array.
- FC-SW environments using Brocade 2800 or EMC DS-16B require switch firmware 2.5.0d or greater.
- Remote boot not supported with PERC controllers enabled in system BIOS.
- Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- To enable failover with fabric boot DOSFAT.NSS must be loaded from the autoexec.ncf. In a failed condition the c:\ partition will not failover correctly but the DOSFAT_C: partition will.
- PowerPath and ATF supported.
- NetWare boot support is contingent on migration of the DOS boot partition to an NSS partition. NetWare will warn you of the possibility of data corruption if you convert the DOS boot partition to an NSS partition. The risk of data corruption is during I/O to the C: drive while in the NetWare debugger, or while writing reboot log files during an "Auto Restart After Abend". When you load DOSFAT, please set "Auto Restart After Abend" to 0 to avoid the possibility of data corruption.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.

15. Maximum number of NWFS volumes that can be mounted is 64.
16. HPQ Proliant servers with ATF and Powerpath requires use of SCSIHD in place of CPQSHD.
17. **Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.**
18. Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.
19. Novell Storage Services supported.
20. Powerpath & ATF supported.
21. CLARiiON FC4500 array is also supported for these configurations.
22. Driver Version 6.51a.
23. **DOS boot device maximum accessible capacity is 2GB. Netware SYS volume must be in LUN 0.**
24. **Edit config.sys with the following: Files=100 Buffers=99**
25. **When installing NetWare for fabric boot (when operating system is not installed in the local host) on the Symmetrix, create only one LUN and then perform the install. To install a second server that will be fabric boot, repeat the process by creating one additional LUN and then loading the operating system to it. Continue this process until the desired number of fabric boot servers have been reached. Conditions exist where several LUNs are initially created and you perform your first install, NetWare will sometimes acquire and stripe the operating system across several of the newly created LUNs.**
26. Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
27. Support for CX600, CX400, FC4500, FC4700, and FC5300. (FC5300 requires copper to Fibre transceiver.)
28. **Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
29. Driver Version v6.51a.
30. PowerPath supported. ATF/CDE not supported.
31. Requires NetWare patches: NWPAPT2A and NSS5J.
32. **PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.**
33. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
34. **Requires HBA bios 1.83.**
35. Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
36. **Requires HBA firmware revision 1.83, available at <http://www.qlogic.com> Requires SP4 or higher for NetWare 5.00.**
37. (QLA2200) For IBM xSeries and Netfinity servers only.
38. **BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
39. Driver Version 6.v. Supports persistent binding and only supports Class 3.
40. Driver Version 6.50v.
41. This HBA is equivalent to the qLogic QLA2310.
42. For ATF on Pre CX series, Multipath support or connections to the secondary port are not supported at this time. One path per SP, 2 HBAs per host.
43. FC-SW applies only to CX600, CX400, CX200, FC4500, FC4700 and FC5300. FC5300 with FC-SW available from selected channels.
44. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
45. Firmware Version 1.34.
46. **Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
47. **PowerPath not currently supported.**
48. **Requires BIOS version 2.02e.**
49. Driver Version 3.90a7.
50. **Requires NWPA.NLM V.3.07A update from Novell website.**

Fujitsu Siemens

Fujitsu Siemens – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Primergy P250	PCI	Novell Netware 5.00 SP6A ^{1, 2, 17}	QLogic: QLA2310F-E-SP ^{4, 5, 12} , QLA2340-E-SP ^{4, 5, 12} , QLA2342-E-SP ^{4, 5, 11, 12}	FC-AL, FC-SW	N, Y ^{13, 14, 15}
2	Primergy: H400, K400, N400	PCI	Novell Netware 5.00 SP6A ^{1, 2, 17}	QLogic: QLA2310F-E-SP ^{4, 5, 12} , QLA2340-E-SP ^{5, 12} , QLA2342-E-SP ^{4, 5, 11, 12}	FC-AL, FC-SW	Y ^{13, 14, 15}
3	Primergy: H400, K400, N400	PCI	Novell Netware 5.00 SP6A ^{1, 2, 17}	QLogic: QLA2340-E-SP ^{5, 12} , QLA2342-E-SP ^{4, 5, 11, 12}	FC-AL, FC-SW	N
4	Primergy P250	PCI	Novell Netware 5.10 SP2A ^{1, 2, 17}	QLogic QLA2340-E-SP ^{4, 5, 7, 12}	FC-AL, FC-SW	Y ^{13, 14, 15, 16}
5	Primergy: H400, K400, N400, P250	PCI	Novell Netware 5.10: SP2A ^{1, 2, 17} , SP5 ² , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2342-E-SP ^{4, 5, 7, 11, 12}	FC-AL, FC-SW	Y ^{13, 14, 15, 16}
6	Primergy P250	PCI	Novell Netware 5.10: SP5 ² , SP6	QLogic QLA2310F-E-SP ^{5, 7, 12}	FC-AL, FC-SW	Y ^{13, 14, 15, 16}
7	Primergy: H400, K400, N400	PCI	Novell Netware 5.10: SP5 ² , SP6	QLogic: QLA2310F-E-SP ^{5, 7, 12} , QLA2340-E-SP ^{5, 7, 12}	FC-AL, FC-SW	Y ^{13, 14, 15, 16}
8	Primergy P250	PCI	Novell Netware 5.10: SP5 ² , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2340-E-SP ^{5, 7, 12}	FC-AL, FC-SW	Y ^{13, 14, 15, 16}
9	Primergy: B210, C200, E200, F200, L200, N200, P200, R450	PCI	Novell Netware 6.0 SP1 ^{1, 2, 3}	QLogic QLA2310F-E-SP ^{4, 5, 7, 12}	FC-AL, FC-SW	N
10	Primergy 700	PCI	Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 2} , SP3 ¹	QLogic: QLA2310F-E-SP ^{4, 5, 7, 12} , QLA2340-E-SP ^{4, 5, 7, 12} , QLA2342-E-SP ^{4, 5, 7, 11, 12}	FC-AL, FC-SW	N
11	Primergy P250	PCI	Novell Netware: 5.10 SP2A ^{1, 2, 17} , 6.0 SP1 ^{1, 2, 3} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	QLogic QLA2310F-E-SP ^{4, 5, 7, 12}	FC-AL, FC-SW	Y ^{13, 14, 15, 16}
12	Primergy: H400, K400, N400	PCI	Novell Netware: 5.10 SP2A ^{1, 2, 17} , 6.0 SP1 ^{1, 2, 3} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	QLogic: QLA2310F-E-SP ^{4, 5, 7, 12} , QLA2340-E-SP ^{4, 5, 7, 12}	FC-AL, FC-SW	Y ^{13, 14, 15, 16}
13	Primergy H250 ⁶	PCI-X	Novell Netware 5.00 SP6A ^{1, 2, 17}	QLogic: QLA2310F-E-SP ^{4, 5, 12} , QLA2340-E-SP ^{4, 5, 12} , QLA2342-E-SP ^{4, 5, 11, 12}	FC-AL, FC-SW	Y ^{13, 14, 15}
14	Primergy: F250 ⁶ , H250 ⁶	PCI-X	Novell Netware 5.00 SP6A ^{1, 2, 17}	QLogic: QLA2310F-E-SP ^{4, 5, 12} , QLA2340-E-SP ^{4, 5, 12} , QLA2342-E-SP ^{4, 5, 11, 12}	FC-AL, FC-SW	N
15	Primergy N800	PCI-X	Novell Netware 5.00 SP6A ^{1, 2, 17}	QLogic: QLA2310F-E-SP ^{4, 5, 12} , QLA2340-E-SP ^{5, 12} , QLA2342-E-SP ^{4, 5, 11, 12}	FC-AL, FC-SW	Y ^{13, 14, 15}
16	Primergy: N800, RX200, RX300, TX200, TX300	PCI-X	Novell Netware 5.00 SP6A ^{1, 2, 17}	QLogic: QLA2340-E-SP ^{5, 12} , QLA2342-E-SP ^{4, 5, 11, 12}	FC-AL, FC-SW	N
17	Primergy F250 ⁶	PCI-X	Novell Netware 5.00 SP6A ^{2, 17}	QLogic QLA2300F-E-SP ^{4, 5}	FC-AL, FC-SW	N
18	Primergy: H250 ⁶ , N800	PCI-X	Novell Netware 5.10: SP2A ^{1, 2, 17} , SP5 ² , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2342-E-SP ^{4, 5, 7, 11, 12}	FC-AL, FC-SW	Y ^{13, 14, 15, 16}

Fujitsu Siemens – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
19	Primergy: RX200, RX300, TX200, TX300	PCI-X	Novell Netware 5.10: SP2A ^{1, 2, 17} , SP5 ² , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2342-E-SP ^{4, 5, 7, 11, 12}	FC-AL, FC-SW	N
20	Primergy F250 ⁶	PCI-X	Novell Netware 5.10: SP2A ² , SP5 ² , SP6; Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 2} , SP3 ¹	QLogic: QLA2310F-E-SP ^{4, 5, 7, 12} , QLA2340-E-SP ^{4, 5, 7, 12} , QLA2342-E-SP ^{4, 5, 7, 11, 12}	FC-AL, FC-SW	N
21	Primergy: H250 ⁶ , N800	PCI-X	Novell Netware 5.10: SP5 ² , SP6	QLogic: QLA2310F-E-SP ^{5, 7, 12} , QLA2340-E-SP ^{5, 7, 12}	FC-AL, FC-SW	Y ^{13, 14, 15, 16}
22	Primergy: RX200, RX300, TX200, TX300	PCI-X	Novell Netware 5.10: SP5 ² , SP6	QLogic: QLA2310F-E-SP ^{5, 7, 12} , QLA2340-E-SP ^{5, 7, 12}	FC-AL, FC-SW	N
23	Primergy F250 ⁶	PCI-X	Novell Netware 6.0: SP1 ^{1, 2, 3} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2300F-E-SP ^{4, 5, 7}	FC-AL, FC-SW	N
24	Primergy: H250 ⁶ , N800	PCI-X	Novell Netware: 5.10 SP2A ^{1, 2, 17} , 6.0 SP1 ^{1, 2, 3} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	QLogic: QLA2310F-E-SP ^{4, 5, 7, 12} , QLA2340-E-SP ^{4, 5, 7, 12}	FC-AL, FC-SW	Y ^{13, 14, 15, 16}
25	Primergy: RX200, RX300, TX200, TX300	PCI-X	Novell Netware: 5.10 SP2A ^{1, 2, 17} , 6.0 SP1 ^{1, 2, 3} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	QLogic: QLA2310F-E-SP ^{4, 5, 7, 12} , QLA2340-E-SP ^{4, 5, 7, 12}	FC-AL, FC-SW	N
26	Primergy F250 ⁶	PCI-X	Novell Netware: 5.00 SP6A ^{2, 17} , 6.0 SP1 ^{1, 2, 3} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	Emulex LP9002-E (LP9002L-E) ^{8, 9, 10}	FC-SW	N

1. NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
2. Maximum number of NWFS volumes that can be mounted is 64.
3. PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.
4. Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
5. Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
6. Must use standard PCI 32bit/33MHz slot for SCSI
7. Driver Version 6.51a.
8. PowerPath not currently supported.
9. Requires BIOS version 2.02e.
10. Driver Version 3.90a7.
11. Support for CX600, CX400, FC4500, FC4700, and FC5300. (FC5300 requires copper to Fibre transceiver.)
12. Driver Version v6.51a.
13. Edit config.sys with the following: Files=100 Buffers=99
14. When installing NetWare for fabric boot (when operating system is not installed in the local host) on the Symmetrix, create only one LUN and then perform the install. To install a second server that will be fabric boot, repeat the process by creating one additional LUN and then loading the operating system to it. Continue this process until the desired number of fabric boot servers have been reached. Conditions exist where several LUNs are initially created and you perform your first install, NetWare will sometimes acquire and stripe the operating system across several of the newly created LUNs.
15. To enable failover with fabric boot DOSFAT.NSS must be loaded from the autoexec.ncf. In a failed condition the c:\ partition will not failover correctly but the DOSFAT.C: partition will.
16. NetWare boot support is contingent on migration of the DOS boot partition to an NSS partition. NetWare will warn you of the possibility of data corruption if you convert the DOS boot partition to an NSS partition. The risk of data corruption is during I/O to the C: drive while in the NetWare debugger, or while writing reboot log files during an "Auto Restart After Abend". When you load DOSFAT, please set "Auto Restart After Abend" to 0 to avoid the possibility of data corruption.
17. Requires NWPA.NLM V.3.07A update from Novell website.

HPQ

HPQ – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 7000 ^{21, 33} , 8000 ^{21, 33} , 8500, 850 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360 ²¹ , DL380(G2) ²¹ , DL380(G3), DL380 ²¹ , DL580(G2) ²¹ , DL580 ²¹ , ML350(G2) ²¹ , ML350(G3), ML350 ²¹ , ML370(G2), ML370(G3), ML370 ²¹ , ML530(G2) ²¹ , ML530 ²¹ , ML570 ²¹ , ML750 ³⁵	PCI	Novell Netware 5.00 SP6A ^{14, 30, 44}	QLogic: QLA2310F-E-SP ^{25, 27, 28} , QLA2340-E-SP ^{25, 27, 28} , QLA2342-E-SP ^{25, 26, 27, 28}	FC-AL, FC-SW	N	
2	Netserver LH: (LH Pro), 4, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 7000 ^{21, 33} , 8000 ^{21, 33} , 8500, 850 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360 ²¹ , DL380(G2) ²¹ , DL380(G3), DL380 ²¹ , DL580(G2) ²¹ , DL580 ²¹ , ML350(G3), ML350 ²¹ , ML370(G2), ML370(G3), ML370 ²¹ , ML530(G2) ²¹ , ML530 ²¹ , ML570 ²¹ , ML750 ³⁵	PCI	Novell Netware 5.00 SP6A ^{14, 30, 44}	QLogic: QLA2310F-E-SP ^{25, 27, 28} , QLA2340-E-SP ^{25, 27, 28} , QLA2342-E-SP ^{25, 26, 27, 28}	FC-AL, FC-SW	Y ^{11, 23, 24}	
3	Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 7000 ^{21, 33} , 8000 ^{21, 33} , 8500, 850 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360 ²¹ , DL380(G2) ²¹ , DL380(G3), DL380(G3) ³⁵ , DL380 ²¹ , DL580(G2) ²¹ , DL580 ²¹ , ML350(G2) ²¹ , ML350(G3), ML350 ²¹ , ML370(G2), ML370(G3), ML370 ²¹ , ML530(G2) ²¹ , ML530 ²¹ , ML570 ²¹ , ML750 ³⁵	PCI	Novell Netware 5.00 SP6A ^{14, 44}	QLogic QLA2200F-EMC ^{16, 17}	FC-AL, FC-SW	N	See ^{18, 19, 20}
4	Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 7000 ^{21, 33} , 8500, 850 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360 ²¹ , DL380(G2) ²¹ , DL380(G3), DL380(G3) ³⁵ , DL380 ²¹ , DL580(G2) ²¹ , DL580 ²¹ , ML350(G2) ²¹ , ML350(G3), ML350 ²¹ , ML370(G2), ML370(G3), ML370 ²¹ , ML530(G2) ²¹ , ML530 ²¹ , ML570 ²¹ , ML750 ³⁵	PCI	Novell Netware 5.00 SP6A ^{14, 44}	QLogic QLA2200F-EMC ^{16, 17}	FC-AL, FC-SW	Y ^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13}	See ^{18, 19, 20}
5	Netserver LC: 2000 U3, 2000r	PCI	Novell Netware 5.00 SP6A ^{14, 44}	QLogic QLA2200F-EMC ¹⁷	FC-AL, FC-SW	N	See ¹⁹
6	Netserver LH PRO	PCI	Novell Netware 5.00 SP6A ^{14, 44}	QLogic QLA2200F-EMC ^{17, 36}	FC-AL, FC-SW	Y ^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 18, 20}	See ¹⁹
7	Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.00 SP6A ^{14, 44}	QLogic QLA2200F-EMC ^{17, 36}	FC-AL, FC-SW	N	See ^{18, 19, 20}
8	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.00 SP6A ^{14, 44}	QLogic QLA2200F-EMC ^{17, 36}	FC-AL, FC-SW	Y ^{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13}	See ^{18, 19, 20}
9	Netserver LH PRO	PCI	Novell Netware 5.00 SP6A ^{14, 44}	QLogic QLA2202F-EMC ^{12, 16, 17, 18, 25, 36, 37, 38}	FC-AL, FC-SW	Y ^{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15}	See ^{18, 19, 20}

HPQ – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
10	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR PRO, LXR PRO8; Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 7000 ^{21, 33} , 8000 ^{21, 33} , 8500, 850 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360(G3), DL380(G2) ²¹ , DL380(G3), DL380 ²¹ , DL580(G2) ²¹ , DL580 ²¹ , ML350(G2) ²¹ , ML350(G3), ML350 ²¹ , ML370(G2), ML370(G3), ML370 ²¹ , ML530(G2) ²¹ , ML530 ²¹ , ML570 ²¹ , ML750 ³⁵	PCI	Novell Netware 5.00 SP6A ^{14, 44}	QLogic QLA2300F-E-SP ^{25, 27}	FC-AL, FC-SW	N	
11	Netserver LC 2000r; Proliant 8500	PCI	Novell Netware 5.10 SP2A ¹⁴	QLogic QLA2310F-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	N	
12	Netserver: LH (LH Pro), LT 6000R	PCI	Novell Netware 5.10 SP2A ¹⁴	QLogic QLA2310F-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y ^{11, 13, 23, 24}	
13	Netserver LH: 3, 3000, 6000; Proliant 8000 ^{21, 33}	PCI	Novell Netware 5.10 SP2A ¹⁴	QLogic: QLA2310F-E-SP ^{22, 25, 27, 28} QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	N	
14	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 7000 ^{21, 33} , 850 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360 ²¹ , DL380(G2) ²¹ , DL380(G3), DL380 ²¹ , DL580(G2) ²¹ , DL580 ²¹ , ML350(G2) ²¹ , ML350(G3), ML350 ²¹ , ML370(G2), ML370(G3), ML370 ²¹ , ML530(G2) ²¹ , ML530 ²¹ , ML570 ²¹ , ML750 ³⁵	PCI	Novell Netware 5.10 SP2A ¹⁴	QLogic: QLA2310F-E-SP ^{22, 25, 27, 28} QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y ^{11, 13, 23, 24}	
15	Netserver LP 2000r; Proliant: DL320 ²¹ , ML350(G2) ²¹ , ML350(G3), ML370(G2), ML370(G3), ML750 ³⁵	PCI	Novell Netware 5.10: SP2A ¹⁴ , SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31, 34} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2342-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y ^{11, 13, 23, 24}	
16	Netserver LH: 3, 3000, 6000; Proliant 8000 ^{21, 33}	PCI	Novell Netware 5.10: SP2A ¹⁴ , SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2342-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	N	
17	Netserver LH: 4, II, III; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 7000 ^{21, 33} , 850 ²¹ , DL360(G2) ²¹ , DL360 ²¹ , DL380(G2) ²¹ , DL380(G3), DL380 ²¹ , DL580(G2) ²¹ , DL580 ²¹ , ML350 ²¹ , ML370 ²¹ , ML530(G2) ²¹ , ML530 ²¹ , ML570 ²¹	PCI	Novell Netware 5.10: SP2A ¹⁴ , SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2342-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y ^{11, 13, 23, 24}	
18	Netserver LH PRO; Proliant 8500	PCI	Novell Netware 5.10: SP2A ¹⁴ , SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic: QLA2340-E-SP ^{22, 25, 27, 28} QLA2342-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	N	
19	Netserver: LH (LH Pro), LT 6000R	PCI	Novell Netware 5.10: SP2A ¹⁴ , SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic: QLA2340-E-SP ^{22, 25, 27, 28} QLA2342-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y ^{11, 13, 23, 24}	
20	Netserver LC 2000 U3	PCI	Novell Netware 5.10: SP2A ¹⁴ , SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30} , SP2 ^{14, 30} , SP3 ³⁰	QLogic QLA2310F-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	N	See ¹⁹
21	Netserver LC 2000r	PCI	Novell Netware 5.10: SP2A ¹⁴ , SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30} , SP2 ^{14, 30} , SP3 ³⁰	QLogic QLA2342-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	N	
22	Netserver LH PRO	PCI	Novell Netware 5.10: SP2A ¹⁴ , SP5 ¹⁴ , SP6; Novell Netware 6.0: SP ^{14, 30} , SP2 ^{14, 30} , SP3 ³⁰	QLogic QLA2310F-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	N	
23	Netserver LC 2000 U3	PCI	Novell Netware 5.10: SP2A ¹⁴ , SP5 ¹⁴ , SP6; Novell Netware 6.0: SP ^{14, 30} , SP2 ^{14, 30} , SP3 ³⁰	QLogic QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	N	See ¹⁹
24	Netserver LC 2000 U3	PCI	Novell Netware 5.10: SP2A ¹⁴ , SP5 ¹⁴ , SP6; Novell Netware 6.0: SP ^{14, 30} , SP2 ^{14, 30} , SP3 ³⁰	QLogic QLA2342-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	N	
25	Netserver LC 2000 U3	PCI	Novell Netware 5.10: SP2A ¹⁴ , SP5 ¹⁴ , SP6; Novell Netware 6.0: SP ^{14, 30} , SP2 ^{14, 30} , SP3 ³⁰ ; Novell Netware 6.5 ^{30, 39}	QLogic QLA2200F-EMC ^{17, 22}	FC-AL, FC-SW	N	See ¹⁹
26	Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 7000 ^{21, 33} , 850 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360 ²¹ , DL380(G2) ²¹ , DL380(G3), DL380(G3) ³⁵ , DL380 ²¹ , DL580(G2) ²¹ , DL580 ²¹ , ML350(G2) ²¹ , ML350(G3), ML350 ²¹ , ML370(G2), ML370(G3), ML370 ²¹ , ML530(G2) ²¹ , ML530 ²¹ , ML570 ²¹ , ML750 ³⁵	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic QLA2200F-EMC ^{16, 17, 22}	FC-AL, FC-SW	Y ^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13}	See ^{18, 19, 20}

HPQ – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
27	Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 7000 ^{21, 33} , 850 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360 ²¹ , DL380(G2) ²¹ , DL380(G3), DL380 ²¹ , DL580 ²¹ , ML350(G2) ²¹ , ML350(G3), ML350 ²¹ , ML370(G2), ML370(G3), ML370 ²¹ , ML530(G2) ²¹ , ML530 ²¹ , ML570 ²¹ , ML750 ³⁵	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic QLA2310F-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24	See ^{18, 19, 20}
28	Proliant ML750 ²¹	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic QLA2310F-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y11, 13, 23, 24, 35	
29	Proliant: DL380(G3) ³⁵ , DL580(G2) ²¹	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic QLA2310F-E-SP ^{22, 26, 27, 28}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24	See ^{18, 19, 20}
30	Netserver LC 2000r	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	N	See ^{18, 19, 20}
31	Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 7000 ^{21, 33} , 850 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360 ²¹ , DL380(G2) ²¹ , DL380(G3), DL380 ²¹ , DL580 ²¹ , ML350(G2) ²¹ , ML350(G3), ML350 ²¹ , ML370(G2), ML370(G3), ML370 ²¹ , ML530(G2) ²¹ , ML530 ²¹ , ML570 ²¹ , ML750 ³⁵	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 29	See ^{18, 19, 20}
32	Proliant DL380(G3) ³⁵	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic QLA2340-E-SP ^{22, 26, 27, 28}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 29	See ^{18, 19, 20}
33	Proliant 8500	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic QLA2340-E-SP ^{22, 27, 28}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23	See ^{18, 19, 20}
34	Proliant DL580(G2) ²¹	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic QLA2340-E-SP ^{22, 27, 28}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 29	See ^{18, 19, 20}
35	Proliant DL380(G3) ³⁵	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic QLA2342-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y11, 13, 23, 24	
36	Proliant 8500	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic: QLA2200F-EMC ^{16, 17, 22} , QLA2310F-E-SP ^{22, 26, 27, 28}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{18, 19, 20}
37	Netserver LP 2000r	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31, 34} , SP ^{214, 30, 31} , SP ³³⁰	QLogic QLA2310F-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24	See ^{18, 19, 20}
38	Netserver LP 2000r	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31, 34} , SP ^{214, 30, 31} , SP ³³⁰	QLogic QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 29	See ^{18, 19, 20}
39	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31} , SP ^{214, 30, 31} , SP ³³⁰	QLogic QLA2200F-EMC ^{17, 22, 36}	FC-AL, FC-SW	Y2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{18, 19, 20}
40	Netserver LH: 4, II, III; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31} , SP ^{214, 30, 31} , SP ³³⁰	QLogic QLA2310F-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24	See ^{18, 19, 20}
41	Netserver: LH (LH Pro), LT 6000R	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31} , SP ^{214, 30, 31} , SP ³³⁰	QLogic QLA2310F-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y11, 13, 23, 24	
42	Proliant 8500	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31} , SP ^{214, 30, 31} , SP ³³⁰	QLogic QLA2310F-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	N	
43	Netserver LH: 4, II, III; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31} , SP ^{214, 30, 31} , SP ³³⁰	QLogic QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 29	See ^{18, 19, 20}
44	Netserver LH PRO	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31} , SP ^{214, 30, 31} , SP ³³⁰	QLogic QLA2340-E-SP ^{22, 27, 28}	FC-AL, FC-SW	Y2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 29	See ^{18, 19, 20}
45	Netserver LH: 3, 3000, 6000; Proliant 8000 ^{21, 33}	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31} , SP ^{214, 30, 31} , SP ³³⁰	QLogic: QLA2310F-E-SP ^{22, 25, 26, 27, 28} , QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	N	See ^{18, 19, 20}
46	Netserver: LH (LH Pro), LT 6000R	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31} , SP ^{214, 30, 31} , SP ³³⁰	QLogic: QLA2310F-E-SP ^{22, 26, 27, 28} , QLA2340-E-SP ^{22, 27, 28}	FC-AL, FC-SW	N	See ^{18, 19, 20}

HPQ – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
47	Proliant 8000 ^{21, 33}	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰ ; Novell Netware 6.5 ^{30, 39}	QLogic QLA2200F-EMC ^{16, 17, 22}	FC-AL, FC-SW	N	See ^{18, 19, 20}
48	Netserver LH: (LH Pro), 3, 3000, 6000; Netserver LT 6000R	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰ ; Novell Netware 6.5 ^{30, 39}	QLogic QLA2200F-EMC ^{17, 22, 36}	FC-AL, FC-SW	N	See ^{18, 19, 20}
49	Netserver LC 2000r	PCI	Novell Netware 5.10: SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30} , SP2 ^{14, 30} , SP3 ³⁰	QLogic QLA2310F-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	N	See ¹⁹
50	Netserver LC 2000r	PCI	Novell Netware 5.10: SP5 ¹⁴ , SP6	QLogic QLA2200F-EMC ^{17, 22}	FC-AL, FC-SW	N	See ¹⁹
51	Netserver LH PRO	PCI	Novell Netware 5.10: SP5 ¹⁴ , SP6	QLogic: QLA2200F-EMC ^{17, 22} , QLA2202F-EMC ^{12, 16, 17, 18, 25, 36, 37, 38} , QLA2310F-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y ^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 18, 20}	See ¹⁹
52	Proliant ML750 ²¹	PCI	Novell Netware 5.10: SP5 ¹⁴ , SP6	QLogic: QLA2340-E-SP ^{22, 25, 27, 28} , QLA2342-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y ^{11, 13, 23, 24, 35}	
53	Proliant: DL320 ²¹ , ML350(G2) ²¹ , ML350(G3), ML370(G2), ML370(G3), ML750 ³⁵	PCI	Novell Netware 6.0: SP ^{14, 30, 31, 34} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2310F-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y ^{1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24}	See ^{18, 19, 20}
54	Proliant: DL320 ²¹ , ML350(G2) ²¹ , ML350(G3), ML370(G2), ML370(G3), ML750 ³⁵	PCI	Novell Netware 6.0: SP ^{14, 30, 31, 34} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y ^{1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 29}	See ^{18, 19, 20}
55	Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 7000 ^{21, 33} , 850 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360 ²¹ , DL380(G2) ²¹ , DL380(G3), DL380(G3) ³⁵ , DL380 ²¹ , DL580(G2) ²¹ , DL580 ²¹ , ML350 ²¹ , ML370 ²¹ , ML530(G2) ²¹ , ML530 ²¹ , ML570 ²¹	PCI	Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2310F-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y ^{1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24}	See ^{18, 19, 20}
56	Proliant DL380(G3) ³⁵	PCI	Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2340-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y ^{1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 29}	See ^{18, 19, 20}
57	Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 7000 ^{21, 33} , 850 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360 ²¹ , DL380(G2) ²¹ , DL380(G3), DL380 ²¹ , DL580(G2) ²¹ , DL580 ²¹ , ML350 ²¹ , ML370 ²¹ , ML530(G2) ²¹ , ML530 ²¹ , ML570 ²¹	PCI	Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y ^{1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 29}	See ^{18, 19, 20}
58	Proliant 8500	PCI	Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2340-E-SP ^{22, 27, 28}	FC-AL, FC-SW	Y ^{1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 29}	See ^{18, 19, 20}
59	Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 7000 ^{21, 33} , 850 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360 ²¹ , DL380(G2) ²¹ , DL380(G3), DL380(G3) ³⁵ , DL380 ²¹ , DL580(G2) ²¹ , DL580 ²¹ , ML350(G2) ²¹ , ML350(G3), ML350 ²¹ , ML370(G2), ML370(G3), ML370 ²¹ , ML530(G2) ²¹ , ML530 ²¹ , ML570 ²¹ , ML750 ³⁵	PCI	Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic: QLA2200F-EMC ^{16, 17, 22} , QLA2202F-EMC ^{12, 16, 17, 18, 25, 36, 37, 38}	FC-AL, FC-SW	Y ^{1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13}	See ^{18, 19, 20}
60	Proliant 8500	PCI	Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic: QLA2200F-EMC ^{16, 17, 22} , QLA2202F-EMC ^{12, 16, 17, 18, 25, 36, 37, 38} , QLA2310F-E-SP ^{22, 26, 27, 28}	FC-AL, FC-SW	Y ^{1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13}	See ^{18, 19, 20}
61	Netserver LH PRO	PCI	Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic: QLA2200F-EMC ^{17, 22, 36} , QLA2202F-EMC ^{12, 16, 17, 18, 25, 36, 37, 38}	FC-AL, FC-SW	Y ^{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13}	See ^{18, 19, 20}
62	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 8000 ^{21, 33} , 850 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360 ²¹ , DL380(G2) ²¹ , DL380(G3), DL380 ²¹ , DL580(G2) ²¹ , DL580 ²¹ , ML350(G2) ²¹ , ML350(G3), ML350 ²¹ , ML370(G2), ML370(G3), ML370 ²¹ , ML530(G2) ²¹ , ML530 ²¹ , ML570 ²¹ , ML750 ³⁵	PCI	Novell Netware 6.0: SP ^{14, 30, 34} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2300F-E-SP ^{22, 25, 27}	FC-AL, FC-SW	N	
63	Netserver LH (LH Pro); Proliant: 7000 ^{21, 33} , 8500	PCI	Novell Netware 6.0: SP ^{14, 30} , SP2 ^{14, 30} , SP3 ³⁰	QLogic QLA2300F-E-SP ^{22, 25, 27}	FC-AL, FC-SW	N	
64	Netserver LH PRO	PCI	Novell Netware 6.0: SP ^{14, 30} , SP2 ^{14, 30} , SP3 ³⁰	QLogic QLA2310F-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y ^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 18, 20}	See ¹⁹
65	Netserver: LC 2000r, LH PRO	PCI	Novell Netware 6.5 ^{30, 39}	QLogic QLA2310F-E-SP ^{22, 25, 27, 28, 40}	FC-AL, FC-SW	N	See ¹⁹
66	Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 7000 ^{21, 33} , 8500, 850 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360 ²¹ , DL380(G2) ²¹ , DL380(G3), DL380(G3) ³⁵ , DL380 ²¹ , DL580(G2) ²¹ , DL580 ²¹ , ML350(G2) ²¹ , ML350(G3), ML350 ²¹ , ML370(G2), ML370(G3), ML370 ²¹ , ML530(G2) ²¹ , ML530 ²¹ , ML570 ²¹ , ML750 ³⁵	PCI	Novell Netware 6.5 ^{30, 39}	QLogic: QLA2200F-EMC ^{16, 17, 22} , QLA2310F-E-SP ^{22, 26, 27, 28, 40} , QLA2340-E-SP ^{22, 28, 40}	FC-AL, FC-SW	N	See ^{18, 19, 20}

HPQ – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
67	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 6.5 ^{30, 39}	QLogic: QLA2200F-EMC ^{17, 22, 36} QLA2310F-E-SP ^{22, 26, 27, 28, 40} QLA2340-E-SP ^{22, 28, 40}	FC-AL, FC-SW	N	See ^{18, 19, 20}
68	Netserver LH PRO	PCI	Novell Netware 6.5 ^{30, 39}	QLogic: QLA2200F-EMC ^{17, 22, 36} QLA2340-E-SP ^{22, 28, 40}	FC-AL, FC-SW	N	See ^{18, 19, 20}
69	Netserver LH: (LH Pro), 3, 3000, 6000; Netserver LT 6000R; Proliant 8000 ^{21, 33}	PCI	Novell Netware 6.5 ^{30, 39}	QLogic: QLA2310F-E-SP ^{22, 26, 27, 28, 40} QLA2340-E-SP ^{22, 28, 40}	FC-AL, FC-SW	N	See ^{18, 19, 20}
70	Netserver LC 2000 U3	PCI	Novell Netware 6.5 ^{30, 39}	QLogic: QLA2310F-E-SP ^{22, 27, 28, 40} QLA2340-E-SP ^{22, 28, 40}	FC-AL, FC-SW	N	See ¹⁹
71	Netserver LC 2000 U3	PCI	Novell Netware: 5.00 SP6A ^{14, 44} , 5.10 SP2A ¹⁴ , 5.10 SP5 ¹⁴ , 5.10 SP6, 6.0 SP1 ^{14, 30} , 6.0 SP2 ^{14, 30} , 6.0 SP3 ³⁰ , 6.5 ^{30, 39}	QLogic QLA2202F-EMC ^{12, 16} , 17, 18, 25, 36, 37, 38	FC-AL, FC-SW	N	See ¹⁹
72	Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 7000 ^{21, 33} , 8500, 850 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360(G2) ²¹ , DL380(G2) ²¹ , DL380(G3), DL380(G3) ³⁵ , DL380 ²¹ , DL580(G2) ²¹ , DL580 ²¹ , ML350(G2) ²¹ , ML350(G3), ML350 ²¹ , ML370(G2), ML370(G3), ML370 ²¹ , ML530(G2) ²¹ , ML530(G3), ML530 ²¹ , ML570 ²¹ , ML750 ³⁵	PCI	Novell Netware: 5.00 SP6A ^{14, 44} , 5.10 SP5 ¹⁴ , 15, 5.10 SP6, 6.0 SP1 ¹⁴ , 30, 31, 6.0 SP2 ^{14, 30, 31} , 6.0 SP3 ³⁰	QLogic QLA2202F-EMC ^{12, 16} , 17, 18, 25, 36, 37, 38	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{18, 19, 20}
73	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware: 5.00 SP6A ^{14, 44} , 5.10 SP5 ¹⁴ , 15, 5.10 SP6, 6.0 SP1 ¹⁴ , 30, 31, 6.0 SP2 ^{14, 30, 31} , 6.0 SP3 ³⁰	QLogic QLA2202F-EMC ^{12, 16} , 17, 18, 25, 36, 37, 38	FC-AL, FC-SW	Y2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{18, 19, 20}
74	Netserver LH: (LH Pro), 3, 3000, 6000; Netserver LT 6000R; Proliant 8000 ^{21, 33}	PCI	Novell Netware: 5.00 SP6A ^{14, 44} , 5.10 SP5 ¹⁴ , 15, 5.10 SP6, 6.0 SP1 ¹⁴ , 30, 31, 6.0 SP2 ^{14, 30, 31} , 6.0 SP3 ³⁰ , 6.5 ^{30, 39}	QLogic QLA2202F-EMC ^{12, 16} , 17, 18, 25, 36, 37, 38	FC-AL, FC-SW	N	See ^{18, 19, 20}
75	Netserver LC 2000r	PCI	Novell Netware: 5.00 SP6A ^{14, 44} , 5.10 SP5 ¹⁴ , 5.10 SP6	QLogic QLA2202F-EMC ^{12, 16} , 17, 18, 25, 36, 37, 38	FC-AL, FC-SW	N	See ¹⁹
76	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360 ²¹ , DL380(G2) ²¹ , DL380(G3), DL380 ²¹ , DL580(G2) ²¹ , DL580 ²¹ , ML350(G2) ²¹ , ML350(G3), ML350 ²¹ , ML370(G2), ML370(G3), ML370 ²¹ , ML530(G2) ²¹ , ML530 ²¹ , ML570 ²¹ , ML750 ³⁵	PCI	Novell Netware: 5.00 SP6A ^{14, 44} , 6.0 SP1 ^{14, 30} , 34, 6.0 SP2 ^{14, 30} , 6.0 SP3 ³⁰	Emulex LP9002-E (LP9002L-E) ^{41, 42, 43}	FC-AL, FC-SW	N	
77	Proliant 8500	PCI	Novell Netware: 5.00 SP6A ^{14, 44} , 6.0 SP1 ^{14, 30} , 6.0 SP2 ^{14, 30} , 6.0 SP3 ³⁰	Emulex LP9002-E (LP9002L-E) ^{41, 42}	FC-AL, FC-SW	N	
78	Netserver LH: 4, II, PRO, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{21, 32} , 1850 ²¹ , 2500 ²¹ , 3000 ²¹ , 5000 ²¹ , 5500 ^{21, 33} , 6000 ^{21, 33} , 6400R ²¹ , 6500 ^{21, 33} , 7000 ^{21, 33} , 8500, 850 ²¹ , DL320 ²¹ , DL360(G2) ²¹ , DL360(G2) ²¹ , DL380(G2) ²¹ , DL380(G3), DL380(G3) ³⁵ , DL380 ²¹ , DL580(G2) ²¹ , DL580 ²¹ , ML350(G2) ²¹ , ML350(G3), ML350 ²¹ , ML370(G2), ML370(G3), ML370 ²¹ , ML530(G2) ²¹ , ML530(G3), ML530 ²¹ , ML570 ²¹ , ML750 ³⁵	PCI	Novell Netware: 5.00 SP6A ^{14, 44} , 6.5 ^{30, 39}	QLogic QLA2202F-EMC ^{12, 16} , 17, 18, 25, 36, 37, 38	FC-AL, FC-SW	N	See ^{18, 19, 20}
79	Netserver LC 2000r	PCI	Novell Netware: 5.10 SP2A ¹⁴ , 6.0 SP1 ^{14, 30} , 6.0 SP2 ^{14, 30} , 6.0 SP3 ³⁰	QLogic QLA2340-E-SP ^{22, 25} , 27, 28	FC-AL, FC-SW	N	
80	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ²¹ , ML570(G2)	PCI-X	Novell Netware 5.00 SP6A ^{14, 30, 44}	QLogic: QLA2310F-E-SP ^{25, 27, 28} QLA2340-E-SP ^{25, 27, 28} QLA2342-E-SP ^{25, 26, 27, 28}	FC-AL, FC-SW	N, Y ¹¹ , 23, 24	
81	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ²¹ , ML570(G2)	PCI-X	Novell Netware 5.00 SP6A ^{14, 44}	QLogic QLA2200F-EMC ^{16, 17}	FC-AL, FC-SW	N, Y ^{1, 2} , 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{18, 19, 20}
82	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ²¹ , ML570(G2)	PCI-X	Novell Netware 5.00 SP6A ^{14, 44}	QLogic QLA2300F-E-SP ^{25, 27}	FC-AL, FC-SW	N	
83	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ²¹ , ML570(G2)	PCI-X	Novell Netware 5.10 SP2A ¹⁴	QLogic: QLA2310F-E-SP ^{22, 25} , 27, 28 QLA2340-E-SP ^{22, 25} , 27, 28	FC-AL, FC-SW	Y ^{11, 13} , 23, 24	
84	Proliant: DL740, DL760 (G2), DL760 ²¹	PCI-X	Novell Netware 5.10: SP2A ¹⁴ , SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP1 ^{14, 30, 31, 34} , SP2 ¹⁴ , 30, 31, SP3 ³⁰	QLogic QLA2342-E-SP ^{22, 25} , 26, 27, 28	FC-AL, FC-SW	Y ^{11, 13} , 23, 24	
85	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 5.10: SP2A ¹⁴ , SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP1 ^{14, 30, 31} , SP2 ^{14, 30} , 31, SP3 ³⁰	QLogic QLA2342-E-SP ^{22, 25} , 26, 27, 28	FC-AL, FC-SW	Y ^{11, 13} , 23, 24	
86	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ²¹ , ML570(G2)	PCI-X	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic QLA2200F-EMC ^{16, 17} , 22	FC-AL, FC-SW	Y ^{1, 2, 3} , 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{18, 19, 20}
87	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ²¹ , ML570(G2)	PCI-X	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic QLA2310F-E-SP ^{22, 25} , 26, 27, 28	FC-AL, FC-SW	Y ^{1, 2, 3} , 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24	See ^{18, 19, 20}
88	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ²¹ , ML570(G2)	PCI-X	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic QLA2340-E-SP ^{22, 25} , 27, 28	FC-AL, FC-SW	Y ^{1, 2, 3} , 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 29	See ^{18, 19, 20}

HPQ – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
89	Proliant: DL740, DL760 (G2), DL760 ²¹	PCI-X	Novell Netware 6.0: SP1 ^{14, 30, 31, 34} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2310F-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24	See ^{18, 19, 20}
90	Proliant: DL740, DL760 (G2), DL760 ²¹	PCI-X	Novell Netware 6.0: SP1 ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 29	See ^{18, 19, 20}
91	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 6.0: SP1 ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2310F-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24	See ^{18, 19, 20}
92	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 6.0: SP1 ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 29	See ^{18, 19, 20}
93	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ²¹ , ML570(G2)	PCI-X	Novell Netware 6.0: SP1 ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic: QLA2200F-EMC ^{16, 17, 22} , QLA2202F-EMC ^{12, 16, 17, 18, 25, 36, 37, 38}	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{18, 19, 20}
94	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ²¹ , ML570(G2)	PCI-X	Novell Netware 6.0: SP1 ^{14, 30, 34} , SP2 ^{14, 30} , SP3 ³⁰	QLogic QLA2300F-E-SP ^{22, 25, 27}	FC-AL, FC-SW	N	
95	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ²¹ , ML570(G2)	PCI-X	Novell Netware 6.5 ^{30, 39}	QLogic: QLA2200F-EMC ^{16, 17, 22} , QLA2310F-E-SP ^{22, 26, 27, 28, 40} , QLA2340-E-SP ^{22, 28, 40}	FC-AL, FC-SW	N	See ^{18, 19, 20}
96	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ²¹ , ML570(G2)	PCI-X	Novell Netware: 5.00 SP6A ^{14, 44} , 5.10 SP5 ^{14, 15} , 5.10 SP6	QLogic QLA2202F-EMC ^{12, 16, 17, 18, 25, 36, 37, 38}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{18, 19, 20}
97	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ²¹ , ML570(G2)	PCI-X	Novell Netware: 5.00 SP6A ^{14, 44} , 6.0 SP1 ^{14, 30, 34} , 6.0 SP2 ^{14, 30} , 6.0 SP3 ³⁰	Emulex LP9002-E (LP9002L-E) ^{41, 42, 43}	FC-AL, FC-SW	N	
98	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ²¹ , ML570(G2)	PCI-X	Novell Netware: 5.00 SP6A ^{14, 44} , 6.5 ^{30, 39}	QLogic QLA2202F-EMC ^{12, 16, 17, 18, 25, 36, 37, 38}	FC-AL, FC-SW	N	See ^{18, 19, 20}
99	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ^{14, 30, 44}	QLogic: QLA2310F-E-SP ^{25, 27, 28} , QLA2340-E-SP ^{25, 27, 28} , QLA2342-E-SP ^{25, 26, 27, 28}	FC-AL, FC-SW	N, Y1 ¹¹ , 23, 24	
100	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ^{14, 44}	QLogic QLA2200F-EMC ^{16, 17}	FC-AL, FC-SW	N, Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{18, 19, 20}
101	Proliant DL580(G2) ²¹	PCI, PCI-X	Novell Netware 5.00 SP6A ^{14, 44}	QLogic QLA2200F-EMC ¹⁷	FC-AL, FC-SW	N, Y2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{18, 19, 20}
102	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ^{14, 44}	QLogic QLA2300F-E-SP ^{25, 27}	FC-AL, FC-SW	N	
103	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10 SP2A ¹⁴	QLogic: QLA2310F-E-SP ^{22, 25, 27, 28} , QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y1 ¹¹ , 13, 23, 24	
104	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10 SP5 ^{14, 15}	QLogic QLA2200F-EMC ^{16, 17, 22}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{18, 19, 20}
105	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10 SP5 ^{14, 15}	QLogic QLA2310F-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24	See ^{18, 19, 20}
106	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10 SP5 ^{14, 15}	QLogic QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 29	See ^{18, 19, 20}
107	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10 SP6	QLogic QLA2310F-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24	See ^{18, 19, 20}
108	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 29	See ^{18, 19, 20}
109	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10 SP6	QLogic: QLA2200F-EMC ^{16, 17, 22} , QLA2202F-EMC ^{12, 16, 17, 18, 25, 36, 37, 38}	FC-AL, FC-SW	Y2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{18, 19, 20}
110	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP2A ¹⁴ , SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP1 ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2342-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y1 ¹¹ , 13, 23, 24	
111	Proliant DL580(G2) ²¹	PCI, PCI-X	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic QLA2200F-EMC ^{17, 22}	FC-AL, FC-SW	Y2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{18, 19, 20}
112	Proliant DL580(G2) ²¹	PCI, PCI-X	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic QLA2310F-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24	See ^{18, 19, 20}

HPQ – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
113	Proliant DL580(G2) ²¹	PCI, PCI-X	Novell Netware 5.10: SP5 ^{14, 15} , SP6	QLogic QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 29	See ^{18, 19, 20}
114	Proliant DL580(G2) ²¹	PCI, PCI-X	Novell Netware 5.10: SP5 ^{14, 15} , SP6; Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2342-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y11, 13, 23, 24	
115	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2310F-E-SP ^{22, 25, 26, 27, 28}	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24	See ^{18, 19, 20}
116	Proliant DL580(G2) ²¹	PCI, PCI-X	Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2310F-E-SP ^{22, 26, 27, 28}	FC-AL, FC-SW	Y2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24	See ^{18, 19, 20}
117	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2340-E-SP ^{22, 25, 27, 28}	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 29	See ^{18, 19, 20}
118	Proliant DL580(G2) ²¹	PCI, PCI-X	Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2340-E-SP ^{22, 27, 28}	FC-AL, FC-SW	Y2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 23, 24, 29	See ^{18, 19, 20}
119	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic: QLA2200F-EMC ^{16, 17, 22} , QLA2202F-EMC ^{12, 16, 17, 18, 25, 36, 37, 38}	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 9, 10, 11, 12, 13	See ^{18, 19, 20}
120	Proliant DL580(G2) ²¹	PCI, PCI-X	Novell Netware 6.0: SP ^{14, 30, 31} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic: QLA2200F-EMC ^{17, 22} , QLA2202F-EMC ^{12, 16, 17, 18, 25, 36, 37, 38}	FC-AL, FC-SW	Y2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{18, 19, 20}
121	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.0: SP ^{14, 30, 34} , SP2 ^{14, 30, 31} , SP3 ³⁰	QLogic QLA2300F-E-SP ^{22, 25, 27}	FC-AL, FC-SW	N	
122	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.5 ^{30, 39}	QLogic: QLA2200F-EMC ^{16, 17, 22} , QLA2310F-E-SP ^{22, 26, 27, 28, 40} , QLA2340-E-SP ^{22, 28, 40}	FC-AL, FC-SW	N	See ^{18, 19, 20}
123	Proliant DL580(G2) ²¹	PCI, PCI-X	Novell Netware 6.5 ^{30, 39}	QLogic: QLA2200F-EMC ^{17, 22} , QLA2310F-E-SP ^{22, 26, 27, 28, 40} , QLA2340-E-SP ^{22, 28, 40}	FC-AL, FC-SW	N	See ^{18, 19, 20}
124	Proliant DL580(G3)	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{14, 44} , 5.10 SP5 ^{14, 15}	QLogic QLA2202F-EMC ^{12, 16, 17, 18, 25, 36, 37, 38}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{18, 19, 20}
125	Proliant DL580(G2) ²¹	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{14, 44} , 5.10 SP5 ^{14, 15} , 5.10 SP6	QLogic QLA2202F-EMC ^{12, 16, 17, 18, 25, 36, 37, 38}	FC-AL, FC-SW	Y2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	See ^{18, 19, 20}
126	Proliant DL580(G3)	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{14, 44} , 6.0 SP ^{14, 30, 34} , 6.0 SP ^{214, 30, 6.0} , SP ³³⁰	Emulex LP9002-E (LP9002L-E) ^{41, 42, 43}	FC-AL, FC-SW	N	
127	Proliant: DL580(G2) ²¹ , DL580(G3)	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{14, 44} , 6.5 ^{30, 39}	QLogic QLA2202F-EMC ^{12, 16, 17, 18, 25, 36, 37, 38}	FC-AL, FC-SW	N	See ^{18, 19, 20}

- FC-SW applies only to CX600, CX400, CX200, FC4500, FC4700 and FC5300. FC5300 with FC-SW available from selected channels.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Supports eight (8) hosts per array.
- FC-SW environments using Brocade 2800 or EMC DS-16B require switch firmware 2.5.0d or greater.
- Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- To enable failover with fabric boot DOSFAT.NSS must be loaded from the autoexec.ncf. In a failed condition the c:\ partition will not failover correctly but the DOSFAT_C: partition will.
- PowerPath and ATF supported.
- NetWare boot support is contingent on migration of the DOS boot partition to an NSS partition. NetWare will warn you of the possibility of data corruption if you convert the DOS boot partition to an NSS partition. The risk of data corruption is during I/O to the C: drive while in the NetWare debugger, or while writing reboot log files during an "Auto Restart After Abend". When you load DOSFAT, please set "Auto Restart After Abend" to 0 to avoid the possibility of data corruption.
- Maximum number of NWFS volumes that can be mounted is 64.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- Requires HBA bios 1.83.
- Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.
- Novell Storage Services supported.
- CLARiiON FC4500 array is also supported for these configurations.
- Powerpath & ATF supported.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Driver Version 6.51a.
- Edit config.sys with the following: Files=100 Buffers=99
- When installing NetWare for fabric boot (when operating system is not installed in the local host) on the Symmetrix, create only one LUN and then perform the install. To install a second server that will be fabric boot, repeat the process by creating one additional LUN and then loading the operating system to it. Continue this process until the desired number of fabric boot servers have been reached. Conditions exist where several LUNs are initially created and you perform your first install, NetWare will sometimes acquire and stripe the operating system across several of the newly created LUNs.
- Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- Support for CX600, CX400, FC4500, FC4700, and FC5300. (FC5300 requires copper to Fibre transceiver.)
- Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Driver Version v6.51a.
- PowerPath supported. ATF/CDE not supported.

30. NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
31. HPQ Proliant servers with ATF and Powerpath requires use of SCSIHD in place of CPQSHD.
32. This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
33. Includes both Pentium PRO and XEON models
34. PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.
35. HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
36. Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.
37. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
38. Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
39. QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.
40. Firmware Version 1.34.
41. Requires BIOS version 2.02e.
42. Driver Version 3.90a7.
43. PowerPath not currently supported.
44. Requires NWPA.NLM V.3.07A update from Novell website.

IBM

IBM – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netfinity 8500	PCI	Novell Netware 5.00 SP6A ^{1, 2, 35}	QLogic: QLA2310F-E-SP ^{9, 11, 12} , QLA2340-E-SP ^{11, 12} , QLA2342-E-SP ^{9, 10, 11, 12}	FC-AL, FC-SW	Y	
2	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁵ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	Novell Netware 5.00 SP6A ^{1, 2, 35}	QLogic: QLA2310F-E-SP ^{9, 11, 12} , QLA2340-E-SP ^{9, 11, 12} , QLA2342-E-SP ^{9, 10, 11, 12}	FC-AL, FC-SW	Y	
3	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁴ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware 5.00 SP6A ^{2, 35}	QLogic QLA2200F-EMC ^{3, 4}	FC-AL, FC-SW	N, Y	See ^{5, 6, 7}
4	Netfinity 8500R	PCI	Novell Netware 5.00 SP6A ^{2, 35}	QLogic QLA2200F-EMC ^{4, 9}	FC-AL, FC-SW	N, Y	See ⁷
5	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁵ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	Novell Netware 5.00 SP6A ^{2, 35}	QLogic QLA2300F-E-SP ^{9, 11}	FC-AL, FC-SW	Y	
6	Netfinity 8500R	PCI	Novell Netware 5.10 SP2 ²	IBM: 19K1246(QLA2310) ^{18, 19, 20, 22} , 24P0960(QLA2340) ^{18, 19, 20, 24}	FC-AL, FC-SW	Y	See ⁷
7	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware 5.10 SP2A ²	IBM: 19K1246(QLA2310) ^{9, 18, 19, 20, 21} , 22, 23, 24P0960(QLA2340) ^{3, 9, 18, 19, 20} , 21, 24; QLogic: QLA2310F-E-SP ^{8, 9, 11, 12} , QLA2340-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	
8	Netfinity 7000 M10 ¹⁵	PCI	Novell Netware 5.10 SP2A ²	IBM: 19K1246(QLA2310) ^{9, 18, 19, 20, 21} , 22, 23, 24P0960(QLA2340) ^{3, 9, 18, 19, 20} , 21, 24; QLogic: QLA2310F-E-SP ^{8, 9, 11, 12} , QLA2340-E-SP ^{8, 9, 11, 12} , QLA2342-E-SP ^{8, 9, 10, 11, 12}	FC-AL, FC-SW	Y	
9	Netfinity 8500R	PCI	Novell Netware 5.10: SP2A ² , SP2 ² , SP5 ² , SP6; Novell Netware 6.0: SP1 ^{1, 2, 16} , SP2 ^{1, 2} , SP3 ¹	QLogic: QLA2310F-E-SP ^{8, 9, 11, 12} , QLA2340-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	See ⁷
10	Netfinity 8500R	PCI	Novell Netware 5.10: SP2A ² , SP2 ² , SP5 ² , SP6; Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2200F-EMC ^{4, 8, 9}	FC-AL, FC-SW	Y	See ⁷
11	Netfinity 8500	PCI	Novell Netware 5.10: SP2A ² , SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2, 16, 25} , SP2 ^{1, 2, 25} , SP3 ¹	IBM: 19K1246(QLA2310) ^{9, 18, 19, 20, 21} , 22, 23, 24P0960(QLA2340) ^{3, 9, 18, 19, 20} , 21, 24; QLogic: QLA2310F-E-SP ^{8, 9, 11, 12} , QLA2342-E-SP ^{8, 9, 10, 11, 12}	FC-AL, FC-SW	Y	
12	xSeries: X342, x255	PCI	Novell Netware 5.10: SP2A ² , SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2, 16} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2342-E-SP ^{8, 9, 10, 11, 12}	FC-AL, FC-SW	Y	
13	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP2A ² , SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2342-E-SP ^{8, 9, 10, 11, 12}	FC-AL, FC-SW	Y	
14	Netfinity 8500R	PCI	Novell Netware 5.10: SP2A ² , SP5 ² , SP6; Novell Netware 6.0: SP1 ^{1, 2, 16} , SP2 ^{1, 2} , SP3 ¹	IBM: 19K1246(QLA2310) ^{9, 18, 19, 20, 21} , 22, 23, 24P0960(QLA2340) ^{3, 9, 18, 19, 20} , 21, 24	FC-AL, FC-SW	Y	See ⁷
15	Netfinity 8500R	PCI	Novell Netware 5.10: SP2A ² , SP5 ² , SP6; Novell Netware 6.0: SP1 ^{1, 2, 16} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2342-E-SP ^{8, 9, 10, 11, 12}	FC-AL, FC-SW	Y	
16	xSeries x345	PCI	Novell Netware 5.10: SP2A ² , SP5 ² , SP6; Novell Netware 6.0: SP1 ^{1, 2, 16} , SP2 ^{1, 2} , SP3 ¹	QLogic: QLA2310F-E-SP ^{8, 9, 11, 12} , QLA2340-E-SP ^{8, 9, 11, 12} , QLA2342-E-SP ^{8, 9, 10, 11, 12}	FC-AL, FC-SW	Y	
17	Netfinity 8500	PCI	Novell Netware 5.10: SP5 ^{2, 13} , SP6	QLogic QLA2340-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	
18	xSeries x232	PCI	Novell Netware 5.10: SP5 ^{2, 13} , SP6	QLogic: QLA2310F-E-SP ^{8, 10, 11, 12} , QLA2340-E-SP ^{8, 11, 12}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
19	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ^{14, 15} , 7100, 7600; xSeries: X330, X335, X340 (4500R), x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2, 16} , SP2 ^{1, 2} , SP3 ¹	IBM: 19K1246(QLA2310) ^{9, 18, 19, 20, 21} , 22, 23, 24P0960(QLA2340) ^{3, 9, 18, 19, 20} , 21, 24	FC-AL, FC-SW	Y	See ^{5, 6, 7}

IBM – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
20	xSeries: X342, x255	PCI	Novell Netware 5.10: SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2, 16} , SP2 ^{1, 2} , SP3 ¹	IBM: 19K1246(QLA2310) ^{9, 18, 19, 20, 21, 22, 23} 24P0960(QLA2340) ^{3, 9, 18, 19, 20, 21, 24} ; QLogic: QLA2310F-E-SP ^{8, 9, 10, 11, 12} , QLA2340-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
21	Netfinity 7000 M10 ¹⁴ ; xSeries: X342, x232, x255	PCI	Novell Netware 5.10: SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2200F-EMC ^{3, 4, 8}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
22	Netfinity 7000 M10 ^{14, 15} ; xSeries X335	PCI	Novell Netware 5.10: SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2342-E-SP ^{8, 9, 10, 11, 12}	FC-AL, FC-SW	Y	
23	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), x230, x240, x250, x350 (6000R)	PCI	Novell Netware 5.10: SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹	QLogic: QLA2200F-EMC ^{3, 4, 8} , QLA2310F-E-SP ^{8, 9, 10, 11, 12} , QLA2340-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
24	xSeries x370	PCI	Novell Netware 5.10: SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹	QLogic: QLA2200F-EMC ^{3, 4, 8} , QLA2310F-E-SP ^{8, 9, 10, 11, 12} , QLA2340-E-SP ^{8, 9, 10, 11, 12}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
25	Netfinity 7000 M10 ^{14, 15} ; xSeries X335	PCI	Novell Netware 5.10: SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹	QLogic: QLA2310F-E-SP ^{8, 9, 10, 11, 12} , QLA2340-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
26	xSeries X335	PCI	Novell Netware 5.10: SP5 ² , SP6; Novell Netware 6.0: SP1 ^{1, 2, 16} , SP2 ^{1, 2} , SP3 ¹	IBM: 19K1246(QLA2310) ^{9, 20, 22, 23} , 24P0960(QLA2340) ^{3, 9, 24}	FC-AL, FC-SW	Y	
27	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁵ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	Novell Netware 6.0: SP1 ^{1, 2, 16} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2300F-E-SP ^{8, 9, 11}	FC-AL, FC-SW	Y	
28	xSeries x232	PCI	Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹	QLogic: QLA2310F-E-SP ^{8, 9, 10, 11, 12} , QLA2340-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
29	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁴ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware 6.5 ^{1, 30}	IBM: 19K1246(QLA2310) ^{18, 19, 20, 22, 24} 24P0960(QLA2340) ^{18, 19, 20, 24} ; QLogic: QLA2200F-EMC ^{3, 4, 8} , QLA2310F-E-SP ^{8, 10, 11, 12, 31} , QLA2340-E-SP ^{8, 12, 31}	FC-AL, FC-SW	N	See ^{5, 6, 7}
30	Netfinity 8500R	PCI	Novell Netware 6.5 ^{1, 30}	IBM: 19K1246(QLA2310) ^{18, 19, 20, 22, 24} 24P0960(QLA2340) ^{18, 19, 20, 24} ; QLogic: QLA2200F-EMC ^{4, 8, 9} , QLA2310F-E-SP ^{8, 9, 11, 12, 31} , QLA2340-E-SP ^{8, 12, 31}	FC-AL, FC-SW	N	See ⁷
31	xSeries X335	PCI	Novell Netware 6.5 ^{1, 30}	IBM: 19K1246(QLA2310) ^{18, 19, 20, 22, 24} 24P0960(QLA2340) ^{18, 19, 20, 24} ; QLogic: QLA2310F-E-SP ^{8, 10, 11, 12, 31} , QLA2340-E-SP ^{8, 12, 31}	FC-AL, FC-SW	N	See ^{5, 6, 7}
32	Netfinity 8500	PCI	Novell Netware: 5.00 SP6A ^{1, 2, 35} , 5.10 SP2A ² , 5.10 SP5 ^{2, 13} , 5.10 SP6, 6.0 SP1 ^{1, 2, 16, 25} , 6.0 SP2 ^{1, 2, 25} , 6.0 SP3 ¹	IBM: 19K1246(QLA2310) ^{9, 20, 22, 23} , 24P0960(QLA2340) ^{3, 9, 24}	FC-AL, FC-SW	Y	
33	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁵ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware: 5.00 SP6A ^{1, 2, 35} , 5.10 SP2A ² , 5.10 SP5 ² , 5.10 SP6, 6.0 SP1 ^{1, 2, 16} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	IBM: 19K1246(QLA2310) ^{9, 20, 22, 23} , 24P0960(QLA2340) ^{3, 9, 24}	FC-AL, FC-SW	Y	
34	Netfinity 8500R	PCI	Novell Netware: 5.00 SP6A ^{2, 35} , 5.10 SP2A ² , 5.10 SP2 ² , 5.10 SP5 ² , 5.10 SP6, 6.0 SP1 ^{1, 2} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	IBM 00N6881 (QLA2200) ^{17, 18, 19, 20} , QLogic QLA2202F-EMC ^{3, 4, 5, 9, 26, 27, 28, 29}	FC-AL, FC-SW	Y	See ⁷
35	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁴ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware: 5.00 SP6A ^{2, 35} , 5.10 SP5 ^{2, 13} , 5.10 SP6, 6.0 SP1 ^{1, 2} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	IBM 00N6881 (QLA2200) ^{17, 18, 19, 20} , QLogic QLA2202F-EMC ^{3, 4, 5, 9, 26, 27, 28, 29}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
36	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware: 5.00 SP6A ^{2, 35} , 6.0 SP1 ^{1, 2, 16} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	Emulex LP9002-E (LP9002L-E) ^{32, 33, 34}	FC-AL, FC-SW	Y	
37	xSeries x255	PCI	Novell Netware: 5.00 SP6A ^{2, 35} , 6.0 SP1 ^{1, 2} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	Emulex LP9002-E (LP9002L-E) ^{33, 34}	FC-AL, FC-SW	Y	
38	Netfinity 8500R	PCI	Novell Netware: 5.00 SP6A ^{2, 35} , 6.5 ^{1, 30}	IBM 00N6881 (QLA2200) ^{17, 18, 19, 20} , QLogic QLA2202F-EMC ^{3, 4, 5, 9, 26, 27, 28, 29}	FC-AL, FC-SW	N	See ⁷
39	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁴ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware: 5.00 SP6A ^{2, 35} , 6.5 ^{1, 30}	IBM 00N6881 (QLA2200) ^{17, 18, 19, 20} , QLogic QLA2202F-EMC ^{3, 4, 5, 9, 26, 27, 28, 29}	FC-AL, FC-SW	N	See ^{5, 6, 7}
40	Netfinity 8500	PCI	Novell Netware: 5.10 SP2A ² , 6.0 SP1 ^{1, 2, 16, 25} , 6.0 SP2 ^{1, 2, 25} , 6.0 SP3 ¹	QLogic QLA2340-E-SP ^{8, 11, 12}	FC-AL, FC-SW	Y	
41	xSeries: x360, x440	PCI-X	Novell Netware 5.00 SP6A ^{1, 2, 35}	QLogic: QLA2310F-E-SP ^{9, 11, 12} , QLA2340-E-SP ^{9, 11, 12} , QLA2342-E-SP ^{9, 10, 11, 12}	FC-AL, FC-SW	Y	
42	xSeries: x360, x440	PCI-X	Novell Netware 5.00 SP6A ^{2, 35}	QLogic QLA2200F-EMC ^{3, 4}	FC-AL, FC-SW	N, Y	See ^{5, 6, 7}
43	xSeries x235	PCI-X	Novell Netware 5.00 SP6A ^{2, 35}	QLogic QLA2200F-EMC ⁴	FC-AL, FC-SW	Y	See ⁷
44	xSeries: x360, x440	PCI-X	Novell Netware 5.00 SP6A ^{2, 35}	QLogic QLA2300F-E-SP ^{9, 11}	FC-AL, FC-SW	Y	
45	xSeries x440	PCI-X	Novell Netware 5.10 SP2A ^{1, 2, 35}	IBM: 19K1246(QLA2310) ^{9, 11, 20, 22, 23} , 24P0960(QLA2340) ^{3, 9, 11, 24}	FC-AL, FC-SW	Y	

IBM – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
46	xSeries x360	PCI-X	Novell Netware 5.10 SP2A ²	IBM: 19K1246(QLA2310) ^{9, 18, 19, 20, 21, 22, 23} 24P0960(QLA2340) ^{3, 9, 18, 19, 20, 21, 24} QLogic: QLA2310F-E-SP ^{8, 9, 11, 12} , QLA2340-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	
47	xSeries x360	PCI-X	Novell Netware 5.10: SP2A ² , SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2, 16, 25} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2342-E-SP ^{8, 9, 10, 11, 12}	FC-AL, FC-SW	Y	
48	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ² , SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2} , SP1 ^{1, 2, 25} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2342-E-SP ^{8, 9, 10, 11, 12}	FC-AL, FC-SW	Y	
49	xSeries x440	PCI-X	Novell Netware 5.10: SP5 ^{2, 13} , SP6	IBM: 19K1246(QLA2310) ^{11, 18, 20, 22, 24} 24P0960(QLA2340) ^{11, 18, 19, 20, 24}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
50	xSeries x360	PCI-X	Novell Netware 5.10: SP5 ^{2, 13} , SP6	IBM: 19K1246(QLA2310) ^{9, 11, 18, 19, 20, 21, 22, 23} 24P0960(QLA2340) ^{3, 9, 11, 18, 19, 20, 21, 24}	FC-AL, FC-SW	Y	
51	xSeries x360	PCI-X	Novell Netware 5.10: SP5 ^{2, 13} , SP6	IBM: 19K1246(QLA2310) ^{9, 11, 18, 20, 22, 23} 24P0960(QLA2340) ^{18, 20, 24}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
52	xSeries x360	PCI-X	Novell Netware 5.10: SP5 ^{2, 13} , SP6	QLogic QLA2310F-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	See ⁷
53	xSeries x440	PCI-X	Novell Netware 5.10: SP5 ^{2, 13} , SP6; Novell Netware 6.0 SP1 ^{1, 2}	QLogic QLA2310F-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	See ⁷
54	xSeries x360	PCI-X	Novell Netware 5.10: SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2, 16, 25} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2340-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
55	xSeries x440	PCI-X	Novell Netware 5.10: SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP2 ^{1, 2} , SP3 ¹	QLogic QLA2340-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
56	xSeries x360	PCI-X	Novell Netware 5.10: SP5 ² , SP6	IBM 24P0960(QLA2340) ^{3, 9, 11, 24}	FC-AL, FC-SW	Y	
57	xSeries x440	PCI-X	Novell Netware 5.10: SP5 ² , SP6	IBM: 19K1246(QLA2310) ^{11, 22} , 24P0960(QLA2340) ^{11, 24}	FC-AL, FC-SW	Y	
58	xSeries x235	PCI-X	Novell Netware 5.10: SP5 ² , SP6	QLogic QLA2342-E-SP ^{8, 9, 10, 11, 12}	FC-AL, FC-SW	Y	
59	xSeries: x360, x440	PCI-X	Novell Netware 5.10: SP5 ² , SP6	QLogic: QLA2200F-EMC ^{4, 8} , QLA2202F-EMC ^{3, 4, 5, 9, 26, 27, 28, 29}	FC-AL, FC-SW	Y	See ⁷
60	xSeries x235	PCI-X	Novell Netware 5.10: SP5 ² , SP6	QLogic: QLA2200F-EMC ^{4, 8} , QLA2310F-E-SP ^{8, 9, 11, 12} , QLA2340-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	See ⁷
61	xSeries x440	PCI-X	Novell Netware 6.0 SP1 ^{1, 2, 25}	QLogic QLA2340-E-SP ^{8, 11, 12}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
62	xSeries x360	PCI-X	Novell Netware 6.0: SP1 ^{1, 2, 16} , SP2 ^{1, 2} , SP3 ¹	IBM: 19K1246(QLA2310) ^{9, 18, 19, 20, 21, 22, 23} 24P0960(QLA2340) ^{3, 9, 18, 19, 20, 21, 24} QLogic QLA2310F-E-SP ^{8, 9, 10, 11, 12}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
63	xSeries x440	PCI-X	Novell Netware 6.0: SP1 ^{1, 2, 16} , SP2 ^{1, 2} , SP3 ¹	IBM: 19K1246(QLA2310) ^{9, 18, 19, 20, 22, 23} 24P0960(QLA2340) ^{3, 9, 18, 19, 20, 24}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
64	xSeries x440	PCI-X	Novell Netware 6.0: SP1 ^{1, 2, 16} , SP2 ^{1, 2} , SP3 ¹	IBM: 19K1246(QLA2310) ^{9, 20, 22, 23} , 24P0960(QLA2340) ^{3, 9, 24}	FC-AL, FC-SW	Y	
65	xSeries x360	PCI-X	Novell Netware 6.0: SP1 ^{1, 2, 16} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2300F-E-SP ^{8, 9, 11}	FC-AL, FC-SW	Y	
66	xSeries: x360, x440	PCI-X	Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹	IBM 00N6881 (QLA2200) ^{17, 18, 19, 20} , QLogic QLA2200F-EMC ^{3, 4, 8}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
67	xSeries x440	PCI-X	Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2300F-E-SP ^{8, 9, 11}	FC-AL, FC-SW	Y	
68	xSeries x440	PCI-X	Novell Netware 6.0: SP2 ^{1, 2} , SP3 ¹	QLogic QLA2310F-E-SP ^{8, 9, 10, 11, 12}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
69	xSeries: x360, x440	PCI-X	Novell Netware 6.5 ^{1, 30}	IBM: 19K1246(QLA2310) ^{18, 19, 20, 22} , 24P0960(QLA2340) ^{18, 19, 20, 24} QLogic: QLA2200F-EMC ^{3, 4, 8} , QLA2310F-E-SP ^{8, 9, 10, 11, 12, 31} , QLA2340-E-SP ^{8, 12, 31}	FC-AL, FC-SW	N	See ^{5, 6, 7}
70	xSeries x440	PCI-X	Novell Netware: 5.00 SP6A ^{1, 2, 35} , 5.10 SP2A ^{1, 2, 35} , 5.10 SP5 ² , 5.10 SP6, 6.0 SP1 ^{1, 2} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	IBM: 19K1246(QLA2310) ²² , 24P0960(QLA2340) ²⁴	FC-AL, FC-SW	Y	
71	xSeries x360	PCI-X	Novell Netware: 5.00 SP6A ^{1, 2, 35} , 5.10 SP2A ² , 6.0 SP1 ^{1, 2, 16} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	IBM: 19K1246(QLA2310) ^{9, 20, 22, 23} , 24P0960(QLA2340) ^{3, 9, 24}	FC-AL, FC-SW	Y	
72	xSeries: x360, x440	PCI-X	Novell Netware: 5.00 SP6A ^{2, 35} , 5.10 SP2A ² , 5.10 SP5 ² , 5.10 SP6, 5.10 ²	IBM 00N6881 (QLA2200) ^{3, 17, 18, 19, 20}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
73	xSeries x235	PCI-X	Novell Netware: 5.00 SP6A ^{2, 35} , 5.10 SP5 ² , 5.10 SP6	QLogic QLA2202F-EMC ^{3, 4, 5, 9, 26, 27, 28, 29}	FC-AL, FC-SW	Y	See ⁷
74	xSeries: x360, x440	PCI-X	Novell Netware: 5.00 SP6A ^{2, 35} , 6.0 SP1 ^{1, 2, 16} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	Emulex LP9002-E (LP9002L-E) ^{32, 33, 34}	FC-AL, FC-SW	Y	
75	xSeries: x360, x440	PCI-X	Novell Netware: 5.00 SP6A ^{2, 35} , 6.0 SP1 ^{1, 2} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	QLogic QLA2202F-EMC ^{3, 4, 5, 9, 26, 27, 28, 29}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
76	xSeries: x360, x440	PCI-X	Novell Netware: 5.00 SP6A ^{2, 35} , 6.5 ^{1, 30}	IBM 00N6881 (QLA2200) ^{17, 18, 19, 20} , QLogic QLA2202F-EMC ^{3, 4, 5, 9, 26, 27, 28, 29}	FC-AL, FC-SW	N	See ^{5, 6, 7}
77	xSeries x440	PCI-X	Novell Netware: 5.10 SP2A ² , 6.0 SP1 ^{1, 2} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	QLogic: QLA2310F-E-SP ^{8, 9, 11, 12} , QLA2340-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	
78	xSeries x445	PCI, PCI-X	Novell Netware 5.00 SP6A ^{1, 2, 35}	IBM 24P0960(QLA2340) ²⁴ , QLogic: QLA2310F-E-SP ^{9, 11, 12} , QLA2340-E-SP ^{9, 11, 12} , QLA2342-E-SP ^{9, 10, 11, 12}	FC-AL, FC-SW	Y	

IBM – Novell Netware							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
79	xSeries x445	PCI, PCI-X	Novell Netware 5.00 SP6A ^{2, 35}	QLogic QLA2200F-EMC ^{3, 4}	FC-AL, FC-SW	N, Y	See ^{5, 6, 7}
80	xSeries x345	PCI, PCI-X	Novell Netware 5.00 SP6A ^{2, 35}	QLogic QLA2200F-EMC ⁴	FC-AL, FC-SW	Y	See ⁷
81	xSeries x445	PCI, PCI-X	Novell Netware 5.00 SP6A ^{2, 35}	QLogic QLA2300F-E-SP ^{9, 11}	FC-AL, FC-SW	Y	
82	xSeries x445	PCI, PCI-X	Novell Netware 5.10 SP2A ^{1, 2, 35}	IBM: 19K1246(QLA2310) ^{9, 11, 20, 22, 23, 24} P0960(QLA2340) ^{3, 9, 11, 24}	FC-AL, FC-SW	Y	
83	xSeries x445	PCI, PCI-X	Novell Netware 5.10 SP2A ²	QLogic: QLA2310F-E-SP ^{8, 9, 11, 12} , QLA2340-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	
84	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP2A ² , SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2, 25} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2342-E-SP ^{8, 9, 10, 11, 12}	FC-AL, FC-SW	Y	
85	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP5 ^{2, 13} , SP6	IBM: 19K1246(QLA2310) ^{11, 18, 20, 22, 24} P0960(QLA2340) ^{11, 18, 19, 20, 24}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
86	xSeries x345	PCI, PCI-X	Novell Netware 5.10: SP5 ^{2, 13} , SP6	QLogic QLA2340-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
87	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP5 ^{2, 13} , SP6; Novell Netware 6.0 SP1 ^{1, 2}	QLogic QLA2310F-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	See ⁷
88	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2, 25} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2340-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
89	xSeries x345	PCI, PCI-X	Novell Netware 5.10: SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2, 25} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2342-E-SP ^{8, 9, 10, 11, 12}	FC-AL, FC-SW	Y	
90	xSeries x345	PCI, PCI-X	Novell Netware 5.10: SP5 ^{2, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2310F-E-SP ^{8, 9, 11, 12}	FC-AL, FC-SW	Y	See ⁷
91	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP5 ² , SP6	IBM: 19K1246(QLA2310) ^{11, 22} , 24P0960(QLA2340) ^{11, 24}	FC-AL, FC-SW	Y	
92	xSeries x345	PCI, PCI-X	Novell Netware 5.10: SP5 ² , SP6	QLogic QLA2200F-EMC ^{4, 8}	FC-AL, FC-SW	Y	See ⁷
93	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP5 ² , SP6	QLogic: QLA2200F-EMC ^{4, 8} , QLA2202F-EMC ^{3, 4, 5, 9, 26, 27, 28, 29}	FC-AL, FC-SW	Y	See ⁷
94	xSeries x445	PCI, PCI-X	Novell Netware 6.0: SP1 ^{1, 2, 16} , SP2 ^{1, 2} , SP3 ¹	IBM: 19K1246(QLA2310) ^{9, 18, 19, 20, 22, 23, 24} P0960(QLA2340) ^{3, 9, 18, 19, 20, 24}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
95	xSeries x445	PCI, PCI-X	Novell Netware 6.0: SP1 ^{1, 2, 16} , SP2 ^{1, 2} , SP3 ¹	IBM: 19K1246(QLA2310) ^{9, 20, 22, 23, 24} P0960(QLA2340) ^{3, 9, 24}	FC-AL, FC-SW	Y	
96	xSeries x345	PCI, PCI-X	Novell Netware 6.0: SP1 ^{1, 2, 25} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2340-E-SP ^{8, 11, 12}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
97	xSeries x445	PCI, PCI-X	Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹	IBM 00N6881 (QLA2200) ^{17, 18, 19, 20} , QLogic QLA2200F-EMC ^{3, 4, 8}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
98	xSeries x445	PCI, PCI-X	Novell Netware 6.0: SP1 ^{1, 2} , SP2 ^{1, 2} , SP3 ¹	QLogic QLA2300F-E-SP ^{8, 9, 11}	FC-AL, FC-SW	Y	
99	xSeries x445	PCI, PCI-X	Novell Netware 6.0: SP2 ^{1, 2} , SP3 ¹	QLogic QLA2310F-E-SP ^{8, 9, 10, 11, 12}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
100	xSeries x445	PCI, PCI-X	Novell Netware 6.5 ^{1, 30}	IBM: 19K1246(QLA2310) ^{18, 19, 20, 22, 24} P0960(QLA2340) ^{18, 19, 20, 24} , QLogic: QLA2200F-EMC ^{3, 4, 8} , QLA2310F-E-SP ^{8, 9, 10, 11, 12, 31} , QLA2340-E-SP ^{8, 12, 31}	FC-AL, FC-SW	N	See ^{5, 6, 7}
101	xSeries x345	PCI, PCI-X	Novell Netware 6.5 ^{1, 30}	QLogic QLA2310F-E-SP ^{8, 9, 11, 12, 31}	FC-AL, FC-SW	N	See ⁷
102	xSeries x345	PCI, PCI-X	Novell Netware 6.5 ^{1, 30}	QLogic QLA2340-E-SP ^{8, 12, 31}	FC-AL, FC-SW	N	See ^{5, 6, 7}
103	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{1, 2, 35} , 5.10 SP2A ² , 6.0 SP1 ^{1, 2} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	IBM 19K1246(QLA2310) ²²	FC-AL, FC-SW	Y	
104	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{2, 35} , 5.10 SP2A ² , 5.10 SP5 ² , 5.10 SP6, 5.10 ²	IBM 00N6881 (QLA2200) ^{3, 17, 18, 19, 20}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
105	xSeries x345	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{2, 35} , 5.10 SP5 ² , 5.10 SP6	QLogic QLA2202F-EMC ^{3, 4, 5, 9, 26, 27, 28, 29}	FC-AL, FC-SW	Y	See ⁷
106	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{2, 35} , 6.0 SP1 ^{1, 2, 16} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	Emulex LP9002-E (LP9002L-E) ^{32, 33, 34}	FC-AL, FC-SW	Y	
107	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{2, 35} , 6.0 SP1 ^{1, 2} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	QLogic QLA2202F-EMC ^{3, 4, 5, 9, 26, 27, 28, 29}	FC-AL, FC-SW	Y	See ^{5, 6, 7}
108	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{2, 35} , 6.5 ^{1, 30}	IBM 00N6881 (QLA2200) ^{17, 18, 19, 20} , QLogic QLA2202F-EMC ^{3, 4, 5, 9, 26, 27, 28, 29}	FC-AL, FC-SW	N	See ^{5, 6, 7}
109	xSeries: x255, x345	PCI	Novell Netware: 5.00 SP6A ^{2, 35} , 6.0 SP1 ^{1, 2, 16} , 6.0 SP2 ^{1, 2} , 6.0 SP3 ¹	Emulex LP9002-E (LP9002L-E) ^{32, 33, 34}	FC-SW	Y	

- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- Maximum number of NWFS volumes that can be mounted is 64.
- Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.
- Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.
- Novell Storage Services supported.
- Powerpath & ATF supported.
- CLARiiON FC4500 array is also supported for these configurations.
- Driver Version 6.51a.
- Driver installation with NetWare 5.0 SP6A: Do not load cpmpmk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- Support for CX600, CX400, FC4500, FC4700, and FC5300. (FC5300 requires copper to Fibre transceiver.)
- Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Driver Version v6.51a.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- This server only supports 5 Volt HBAs: qLogic 22XX family, qLogic 23XX family, Emulex LP8000, and Emulex LP850
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.
- (QLA2200) For IBM xSeries and Netfinity servers only.

18. BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
19. Driver Version 6.v. Supports persistent binding and only supports Class 3.
20. Driver Version 6.50v.
21. **Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.**
22. This HBA is equivalent to the qLogic QLA2310.
23. **Requires BIOS 1.34 available from Qlogic at <http://www.qlogic.com>.**
24. This HBA is equivalent to the qLogic QLA2340.
25. HPQ Proliant servers with ATF and Powerpath requires use of SCSIHD in place of CPQSHD.
26. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
27. PowerPath and ATF supported.
28. Driver installation with NetWare 5.0 SP6A: Do not load cpmpmk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
29. **Requires HBA bios 1.83.**
30. **QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
31. Firmware Version 1.34.
32. **PowerPath not currently supported.**
33. **Requires BIOS version 2.02e.**
34. Driver Version 3.90a7.
35. **Requires NWPA.NLM V.3.07A update from Novell website.**

Red Hat Linux Dell

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge: 1550 ⁹ , 1650 ⁹ , 2300 ⁹ , 2450 ⁹ , 2500 ⁹ , 2550 ⁹ , 22, 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ² , 5, 23, 24	QLogic QLA2200F-EMC ^{3, 4}	FC-AL, FC-SW	N	See ^{6, 7, 8}
2	PowerEdge: 1550, 2300, 2450, 2500, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{2, 23}	QLogic QLA2200F ^{4, 30, 31, 32}	FC-AL, FC-SW	N	See ^{6, 7, 8}
3	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ⁹ , 22, 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic QLA2200F ^{3, 4, 5, 30, 31, 32}	FC-AL, FC-SW	Y ^{10, 12, 14, 15, 16, 17, 18, 19, 28, 29}	See ^{6, 7, 8}
4	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ⁹ , 22, 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic QLA2310F-E-SP ^{4, 20}	FC-AL, FC-SW	Y ^{10, 11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
5	PowerEdge 2550 ²²	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ²	QLogic QLA2200F ^{4, 30, 31, 32}	FC-AL, FC-SW	Y ^{1, 3, 10, 12, 14, 15, 16, 17, 18, 19, 28, 29}	See ^{6, 7, 8}
6	PowerEdge: 2400, 4300	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{2, 23}	QLogic QLA2200F-EMC ⁵	FC-AL, FC-SW	N	See ^{7, 8}
7	PowerEdge: 1650 ⁹ , 2400, 2550 ²² , 2550 ^{9, 22}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 23} , v2.4.9-E.12 ^{2, 23} , v2.4.9-E.9 ^{2, 23}	QLogic QLA2200F ^{4, 30, 31, 32}	FC-AL, FC-SW	N	See ^{6, 7, 8}
8	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2450 ⁹ , 2500 ⁹ , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 23} , v2.4.9-E.9 ^{2, 23}	QLogic QLA2200F ^{4, 30, 31, 32}	FC-AL, FC-SW	N	See ^{6, 7, 8}
9	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2450 ⁹ , 2500 ⁹ , 2550 ^{9, 22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 23, 24} , v2.4.9-E.12 ^{2, 23} , v2.4.9-E.16 ^{2, 23} , v2.4.9-E.3 ^{1, 2, 3} , v2.4.9-E.9 ^{2, 23} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 23} , v2.4.9-e.16 ^{2, 23} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	See ^{6, 7, 8}
10	PowerEdge 1650 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 23, 24} , v2.4.9-E.12 ^{2, 23} , v2.4.9-E.16 ^{2, 23} , v2.4.9-E.3 ^{1, 2, 3} , v2.4.9-E.9 ^{2, 23} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 23} , v2.4.9-e.16 ^{2, 23} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic: QLA2310F-E-SP ^{4, 20} , QLA2342-E-SP	FC-AL, FC-SW	N	See ^{6, 7, 8}
11	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2450 ⁹ , 2500 ⁹ , 2550 ^{9, 22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 23, 24} , v2.4.9-E.12 ^{2, 23} , v2.4.9-E.9 ^{2, 23} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2310F-E-SP ^{4, 20}	FC-AL, FC-SW	N	See ^{6, 7, 8}
12	PowerEdge: 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 23, 24} , v2.4.9-E.3 ^{1, 2, 3} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	See ^{6, 7, 8}
13	PowerEdge 2400	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 23} , v2.4.9-E.12 ^{2, 23} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3, 5}	FC-AL, FC-SW	N	See ^{7, 8}
14	PowerEdge 4300	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 23} , v2.4.9-E.12 ^{2, 23} , v2.4.9-E.16 ^{2, 23} , v2.4.9-E.3 ^{2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 23} , v2.4.9-e.16 ^{2, 23} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3, 5}	FC-AL, FC-SW	N	See ^{7, 8}

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
15	PowerEdge: 1550 ⁹ , 1650 ⁹ , 2300 ⁹ , 2450 ⁹ , 2500 ⁹ , 2550 ^{9,22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2,23} , v2.4.9-E.16 ^{2,23} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2,23} , v2.4.9-e.16 ^{2,23} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3,4,5}	FC-AL, FC-SW	N	See ^{6,7,8}
16	PowerEdge 1650 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2,23} , v2.4.9-E.16 ^{2,23} , v2.4.9-E.9 ^{2,23} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2,23} , v2.4.9-e.16 ^{2,23}	QLogic QLA2340-E-SP ^{4,20}	FC-AL, FC-SW	N	See ^{6,7,8}
17	PowerEdge: 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2,23} , v2.4.9-E.16 ^{2,23} , v2.4.9-E.9 ^{2,23} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2,23} , v2.4.9-e.16 ^{2,23}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	See ^{6,7,8}
18	PowerEdge: 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2,23} , v2.4.9-E.9 ^{2,23}	QLogic QLA2340-E-SP ^{4,20}	FC-AL, FC-SW	N	See ^{6,7,8}
19	PowerEdge 2400	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2,23} , v2.4.9-E.3 ^{1,2,3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2,23} , v2.4.9-e.16 ^{2,23}	QLogic: QLA2200F-EMC ^{3,4,5} , QLA2342-E-SP	FC-AL, FC-SW	N	See ^{6,7,8}
20	PowerEdge 1650 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2,23} , v2.4.9-E.3 ^{1,2,3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2,23} , v2.4.9-e.16 ^{2,23} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3,4,5,30,31,32}	FC-AL, FC-SW	N	See ^{6,7,8}
21	PowerEdge 4300	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2,23} , v2.4.9-E.3 ^{2,3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2,23} , v2.4.9-e.16 ^{2,23} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3,4,5,30,31,32}	FC-AL, FC-SW	N	See ^{7,8}
22	PowerEdge 1650 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33}	QLogic QLA2200F ^{4,21,27,34,37}	FC-AL, FC-SW	N	See ^{6,7,8}
23	PowerEdge 4300	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33}	QLogic QLA2200F ^{4,21,27,34,37}	FC-AL, FC-SW	N	See ^{7,8}
24	PowerEdge: 1550, 2300, 2400, 2450, 2500, 2550 ²² , 2550 ^{9,22} , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33}	QLogic QLA2200F ^{4,21,27,34,37}	FC-AL, FC-SW	Y ^{12,14,15,16,17,18,19,28,29}	See ^{6,7,8}
25	PowerEdge 4300	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} , v2.4.9-e.27	QLogic QLA2200F-EMC ^{21,36,37}	FC-AL, FC-SW	N	See ^{7,8}
26	PowerEdge: 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} , v2.4.9-e.27	QLogic QLA2200F-EMC ^{4,21,36,37}	FC-AL, FC-SW	N	See ^{6,7,8}
27	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9,22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{4,21,27,35,36}	FC-AL, FC-SW	Y ^{11,12,13,14,15,16,17,18,19}	See ^{6,7,8}
28	PowerEdge: 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{4,27,35,36}	FC-AL, FC-SW	Y ^{11,12,13,14,15,16,17,18,19}	See ^{6,7,8}
29	PowerEdge: 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{21,27,30,34,35,36}	FC-AL, FC-SW	N	See ^{6,7,8}
30	PowerEdge 1650 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{4,21,36,37} , QLA2310F-E-SP ^{4,21,27,35,36} , QLA2340-E-SP ^{4,27,35,36} , QLA2342-E-SP ^{21,27,30,34,35,36}	FC-AL, FC-SW	N	See ^{6,7,8}
31	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9,22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,33} , v2.4.9-e.25 ^{2,33} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{4,21,36,37} , QLA2342-E-SP ^{21,27,30,34,35,36}	FC-AL, FC-SW	N	See ^{6,7,8}

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
32	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9,22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802DC–E ^{21,38,39,40,41,42}	FC-AL, FC-SW	Y	See ⁷
33	PowerEdge 1650 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802DC–E ^{21,38,39,41,42}	FC-AL, FC-SW	Y	See ⁷
34	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9,22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP982–E ^{21,34,38,39,40,42,52,53}	FC-AL, FC-SW	Y ^{13,14,15,16,17,18,19}	See ^{6,7,8}
35	PowerEdge 1650 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{21,34,38,39,40,42,52,53}	FC-AL, FC-SW	N	See ^{6,7,8}
36	PowerEdge: 1550 ⁹ , 1650 ⁹ , 2300 ⁹ , 2450 ⁹ , 2500 ⁹ , 2550 ^{9,22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.3 ^{1,2,3} , v2.4.9–E.9 ^{2,23}	QLogic QLA2200F–EMC ^{4,5}	FC-AL, FC-SW	N	See ^{6,7,8}
37	PowerEdge: 1550, 2300, 2400, 2450, 2500, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2,23} , ES v2.4.9–e.12 ^{2,23} , ES v2.4.9–e.16 ^{2,23}	QLogic QLA2200F ^{3,4,5,30,31,32}	FC-AL, FC-SW	Y ^{12,14,15,16,17,18,19,28,29}	See ^{6,7,8}
38	PowerEdge 2550 ²²	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2,23} , ES v2.4.9–e.12 ^{2,23} , ES v2.4.9–e.16 ^{2,23}	QLogic QLA2200F ^{4,30,31,32}	FC-AL, FC-SW	Y ^{12,14,15,16,17,18,19,28,29}	See ^{6,7,8}
39	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9,22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2,23} , ES v2.4.9–e.12 ^{2,23} , ES v2.4.9–e.16 ^{2,23}	QLogic QLA2310F–E–SP ^{4,20}	FC-AL, FC-SW	Y ^{11,12,13,14,15,16,17,18,19}	See ^{6,7,8}
40	PowerEdge: 6450, 8450	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2,23} , ES v2.4.9–e.12 ^{2,23} , ES v2.4.9–e.16 ^{2,23}	QLogic QLA2340–E–SP ^{4,20}	FC-AL, FC-SW	Y ^{11,12,13,14,15,16,17,18,19}	See ^{6,7,8}
41	PowerEdge 2550 ^{9,22}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2,23} , ES v2.4.9–e.12 ^{2,23} , ES v2.4.9–e.16 ^{2,23} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2200F ^{3,4,5,30,31,32}	FC-AL, FC-SW	Y ^{12,14,15,16,17,18,19,28,29}	See ^{6,7,8}
42	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9,22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27	Emulex: LP10000–E ^{34,38,39,41,44,48,49} , LP10000DC–E ^{4,34,38,39,41,44,48,49} , LP1050–E ^{21,34,38,39,40,41,42,54} , LP1050DC–E ^{21,34,38,39,40,41,42,54}	FC-AL, FC-SW	Y ^{13,14,15,16,17,18,19}	
43	PowerEdge: 1550, 1650 ⁹ , 2300, 2450, 2500, 2550 ²² , 4400, 6100, 6300, 6350, 6400, 6450, 8450; PowerVault: 750N, 755N, 775N	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{34,38,39,41,44,48,49} , LP10000DC–E ^{4,34,38,39,41,44,48,49} , LP1050–E ^{21,34,38,39,40,41,42,54} , LP1050DC–E ^{21,34,38,39,40,41,42,54}	FC-AL, FC-SW	N	See ⁴⁷
44	PowerEdge: 2400, 4300	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{34,38,39,41,44,48,49} , LP10000DC–E ^{4,34,38,39,41,44,48,49} , LP1050–E ^{21,34,38,39,40,41,42,54} , LP1050DC–E ^{21,34,38,39,40,41,42,54}	FC-AL, FC-SW	N	
45	PowerEdge 1650 ⁹	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F ^{4,21,27,34,36,37}	FC-AL, FC-SW	N	See ^{6,7,8}
46	PowerEdge 4300	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F ^{4,21,27,34,36,37}	FC-AL, FC-SW	N	See ^{7,8}
47	PowerEdge: 1550, 2300, 2400, 2450, 2500, 2550 ²² , 2550 ^{9,22} , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F ^{4,21,27,34,36,37}	FC-AL, FC-SW	Y ^{12,14,15,16,17,18,19,28,29}	See ^{6,7,8}
48	PowerEdge 2550 ^{9,22}	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{50,51}	FC-AL, FC-SW	Y ^{12,14,15,16,17,18,19,28,29}	See ^{6,7,8}
49	PowerEdge: 1550, 2300, 2400, 2450, 2500, 2550 ²² , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{50,51} ; QLogic QLA2200F	FC-AL, FC-SW	Y ^{12,14,15,16,17,18,19,28,29}	See ^{6,7,8}
50	PowerEdge: 2400, 4300	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{50,51} ; QLogic QLA2200F–EMC	FC-AL, FC-SW	N	See ^{7,8}
51	PowerEdge: 1550 ⁹ , 1650 ⁹ , 2300 ⁹ , 2450 ⁹ , 2500 ⁹ , 2550 ^{9,22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{50,51} ; QLogic: QLA2200F–EMC ⁴ , QLA2310F–E–SP ⁴ , QLA2342–E–SP ^{4,31,34}	FC-AL, FC-SW	N	See ^{6,7,8}
52	PowerEdge 4300	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC-AL, FC-SW	Y	See ^{7,8}
53	PowerEdge: 1550 ⁹ , 1650 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9,22} , 2550 ^{9,22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC-AL, FC-SW	Y	See ^{6,7,8}
54	PowerEdge: 1550 ⁹ , 1650 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9,22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{21,34,38,39,40,41,42}	FC-AL, FC-SW	Y	See ⁷

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
55	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9,22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{21, 34, 38, 39, 40, 42, 52, 53}	FC–AL, FC–SW	Y ^{14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
56	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9,22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{34, 38, 39, 41, 44, 48, 49} , LP10000DC–E ^{4, 34, 38, 39, 41, 44, 48, 49} , LP1050–E ^{21, 34, 38, 39, 40, 41, 42, 54} , LP1050DC–E ^{21, 34, 38, 39, 40, 41, 42, 54}	FC–AL, FC–SW	Y ^{14, 15, 16, 17, 18, 19}	
57	PowerEdge 2400	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 30, 31, 32}	FC–AL, FC–SW	N	See ^{7, 8}
58	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2450 ⁹ , 2500 ⁹ , 2550 ^{9,22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 30, 31, 32}	FC–AL, FC–SW	N	See ^{6, 7, 8}
59	PowerEdge: 1750, 2600 ⁹ , 2650 ⁹ , 4600 ⁹ , 6600 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ^{2, 5, 23, 24}	QLogic QLA2200F–EMC ^{3, 4}	FC–AL, FC–SW	N	See ^{6, 7, 8}
60	PowerEdge: 2600, 6600	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ^{2, 23}	QLogic QLA2200F ^{4, 30, 31, 32}	FC–AL, FC–SW	N	See ^{6, 7, 8}
61	PowerEdge 2650	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.16 ^{2, 23}	QLogic QLA2200F ^{3, 4, 5, 30, 31, 32}	FC–AL, FC–SW	Y ^{12, 14, 15, 16, 17, 18, 19, 28, 29}	See ^{6, 7, 8}
62	PowerEdge: 2650, 6650	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	QLogic QLA2200F–EMC ^{4, 5}	FC–AL, FC–SW	N	See ^{6, 7, 8}
63	PowerEdge: 2600 ⁹ , 6600 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	QLogic QLA2200F ^{3, 4, 5, 30, 31, 32}	FC–AL, FC–SW	Y ^{10, 12, 14, 15, 16, 17, 18, 19, 28, 29}	See ^{6, 7, 8}
64	PowerEdge 6650	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	QLogic QLA2310F–E–SP ^{4, 20}	FC–AL, FC–SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
65	PowerEdge: 2600 ⁹ , 6600 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	QLogic QLA2310F–E–SP ^{4, 20}	FC–AL, FC–SW	Y ^{10, 11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
66	PowerEdge 2650	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3, 25}	QLogic QLA2200F ^{3, 4, 5, 30, 31, 32}	FC–AL, FC–SW	Y ^{12, 14, 15, 16, 17, 18, 19, 28, 29}	See ⁸
67	PowerEdge: 2650, 6650	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 3}	QLogic QLA2200F ^{3, 4, 5, 30, 31, 32}	FC–AL, FC–SW	Y ^{1, 10, 12, 14, 15, 16, 17, 18, 19, 28, 29}	See ^{7, 8}
68	PowerEdge 2600 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 3, 25}	QLogic QLA2200F ^{3, 4, 5, 30, 31, 32}	FC–AL, FC–SW	Y ^{1, 10, 12, 14, 15, 16, 17, 18, 19, 28, 29}	See ^{7, 8}
69	PowerEdge 2650 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.g ^{2, 23}	QLogic QLA2200F–EMC ^{4, 5}	FC–AL, FC–SW	N	See ^{6, 7, 8}
70	PowerEdge 6650	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.g ^{2, 23}	QLogic QLA2200F–EMC ⁵	FC–AL, FC–SW	N	See ^{6, 7, 8}
71	PowerEdge: 2600 ⁹ , 2650, 6650	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.g ^{2, 23}	QLogic QLA2200F–EMC ⁵	FC–AL, FC–SW	N	See ^{7, 8}
72	PowerEdge 2600 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 23} , v2.4.9–E.10 ^{2, 5, 23, 24} , v2.4.9–E.12 ^{2, 23} , v2.4.9–E.16 ^{2, 23} , v2.4.9–E.3 ^{1, 2, 3} , v2.4.9–E.g ^{2, 23} , Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 23} , v2.4.9–e.16 ^{2, 23} , Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	See ^{6, 7, 8}
73	PowerEdge 6650	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 23} , v2.4.9–E.12 ^{2, 23} , v2.4.9–E.16 ^{2, 23} , v2.4.9–E.3 ^{1, 2, 3} , v2.4.9–E.g ^{2, 23} , Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 23} , v2.4.9–e.16 ^{2, 23}	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	See ^{6, 7, 8}
74	PowerEdge: 1750, 2650, 4600 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 23} , v2.4.9–E.12 ^{2, 23} , v2.4.9–E.g ^{2, 23}	QLogic QLA2200F ^{4, 30, 31, 32}	FC–AL, FC–SW	N	See ^{6, 7, 8}
75	PowerEdge 2600 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 23} , v2.4.9–E.12 ^{2, 23} , v2.4.9–E.g ^{2, 23}	QLogic QLA2310F–E–SP ^{4, 26, 27}	FC–AL, FC–SW	N	See ⁸
76	PowerEdge 6650	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 23} , v2.4.9–E.12 ^{2, 23} , v2.4.9–E.g ^{2, 23}	QLogic: QLA2200F ^{4, 30, 31, 32} , QLA2310F–E–SP, QLA2340–E–SP ⁴	FC–AL, FC–SW	N	See ^{6, 7, 8}
77	PowerEdge 2600 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 23} , v2.4.9–E.12 ^{2, 23} , v2.4.9–E.g ^{2, 23}	QLogic: QLA2200F ^{4, 30, 31, 32} , QLA2340–E–SP ⁴	FC–AL, FC–SW	N	See ^{6, 7, 8}
78	PowerEdge 6600 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 23} , v2.4.9–E.g ^{2, 23}	QLogic QLA2200F ^{4, 30, 31, 32}	FC–AL, FC–SW	N	See ^{6, 7, 8}
79	PowerEdge 2650	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 23, 24} , v2.4.9–E.12 ^{2, 23} , v2.4.9–E.16 ^{2, 23} , v2.4.9–E.3 ^{1, 2, 3} , v2.4.9–E.g ^{2, 23} , Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 23} , v2.4.9–e.16 ^{2, 23}	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	See ^{6, 7, 8}
80	PowerEdge 4600 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 23, 24} , v2.4.9–E.12 ^{2, 23} , v2.4.9–E.16 ^{2, 23} , v2.4.9–E.3 ^{1, 2, 3} , v2.4.9–E.g ^{2, 23} , Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 23} , v2.4.9–e.16 ^{2, 23} , Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2310F–E–SP ^{4, 20}	FC–AL, FC–SW	N	See ^{6, 7, 8}

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
81	PowerEdge 6600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 23, 24} , v2.4.9-E.12 ^{2, 23} , v2.4.9-E.16 ^{2, 23} , v2.4.9-E.3 ^{1, 2, 3} , v2.4.9-E.9 ^{2, 23} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 23} , v2.4.9-e.16 ^{2, 23} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	See ^{6, 7, 8}
82	PowerEdge 1750	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 23, 24} , v2.4.9-E.12 ^{2, 23} , v2.4.9-E.16 ^{2, 23} , v2.4.9-E.3 ^{1, 2, 3} , v2.4.9-E.9 ^{2, 23} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 23} , v2.4.9-e.16 ^{2, 23} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic: QLA2310F-E-SP ^{4, 20} , QLA2342-E-SP	FC-AL, FC-SW	N	See ^{6, 7, 8}
83	PowerEdge 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 23, 24} , v2.4.9-E.12 ^{2, 23} , v2.4.9-E.9 ^{2, 23}	QLogic QLA2310F-E-SP ^{4, 20, 26, 27}	FC-AL, FC-SW	N	See ⁸
84	PowerEdge 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 23, 24} , v2.4.9-E.12 ^{2, 23} , v2.4.9-E.9 ^{2, 23}	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW	N	See ^{6, 7, 8}
85	PowerEdge: 2600 ⁹ , 6600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 23, 24} , v2.4.9-E.12 ^{2, 23} , v2.4.9-E.9 ^{2, 23} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2310F-E-SP ^{4, 20}	FC-AL, FC-SW	N	See ^{6, 7, 8}
86	PowerEdge 4600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 23, 24} , v2.4.9-E.3 ^{1, 2, 3} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	See ^{6, 7, 8}
87	PowerEdge 2600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 23} , v2.4.9-E.12 ^{2, 23} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3, 5}	FC-AL, FC-SW	N	See ^{7, 8}
88	PowerEdge 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 23} , v2.4.9-E.12 ^{2, 23} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
89	PowerEdge: 2650, 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 23} , v2.4.9-E.12 ^{2, 23} , v2.4.9-E.16 ^{2, 23} , v2.4.9-E.3 ^{2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 23} , v2.4.9-e.16 ^{2, 23} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3, 5}	FC-AL, FC-SW	N	See ^{7, 8}
90	PowerEdge: 1750, 4600 ⁹ , 6600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 23} , v2.4.9-E.16 ^{2, 23} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 23} , v2.4.9-e.16 ^{2, 23} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
91	PowerEdge 2600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 23} , v2.4.9-E.16 ^{2, 23} , v2.4.9-E.3 ^{1, 2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 23} , v2.4.9-e.16 ^{2, 23} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
92	PowerEdge 1750	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 23} , v2.4.9-E.16 ^{2, 23} , v2.4.9-E.9 ^{2, 23} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 23} , v2.4.9-e.16 ^{2, 23}	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW	N	See ^{6, 7, 8}
93	PowerEdge 2600	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 23} , v2.4.9-E.16 ^{2, 23} , v2.4.9-E.9 ^{2, 23} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 23} , v2.4.9-e.16 ^{2, 23}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	See ^{6, 7, 8}
94	PowerEdge 4600	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 23} , v2.4.9-E.16 ^{2, 23} , v2.4.9-E.9 ^{2, 23} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 23} , v2.4.9-e.16 ^{2, 23}	QLogic: QLA2340-E-SP ^{4, 20} , QLA2342-E-SP	FC-AL, FC-SW	N	See ^{6, 7, 8}
95	PowerEdge: 2600, 6600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 23} , v2.4.9-E.9 ^{2, 23} ;	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW	N	See ^{6, 7, 8}
96	PowerEdge 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 23} , v2.4.9-E.3 ^{1, 2, 3, 25}	QLogic QLA2310F-E-SP ^{4, 20, 26, 27}	FC-AL, FC-SW	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19	See ⁸
97	PowerEdge 2600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 23} , v2.4.9-E.3 ^{1, 2, 3, 25} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 23} , v2.4.9-e.16 ^{2, 23}	QLogic QLA2310F-E-SP ^{4, 20, 26, 27}	FC-AL, FC-SW	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19	See ⁸

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
98	PowerEdge 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 23} , v2.4.9-E.31 ^{1, 2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 23} , v2.4.9-e.16 ^{2, 23}	QLogic QLA2200F ^{3, 4, 5, 30, 31, 32}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 28, 29}	See ^{6, 7, 8}
99	PowerEdge 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 23} , v2.4.9-E.31 ^{1, 2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 23} , v2.4.9-e.16 ^{2, 23}	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
100	PowerEdge: 1750, 4600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 23} , v2.4.9-E.31 ^{1, 2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 23} , v2.4.9-e.16 ^{2, 23} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 30, 31, 32}	FC-AL, FC-SW	N	See ^{6, 7, 8}
101	PowerEdge: 1750, 4600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33}	QLogic QLA2200F ^{4, 21, 27, 34, 37}	FC-AL, FC-SW	N	See ^{6, 7, 8}
102	PowerEdge: 2600, 2600 ⁹ , 2650, 6600, 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33}	QLogic QLA2200F ^{4, 21, 27, 34, 37}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 28, 29}	See ^{6, 7, 8}
103	PowerEdge: 2650, 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33}	QLogic QLA2200F ^{4, 21, 27, 34, 37}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 28, 29}	See ^{7, 8}
104	PowerEdge: 2650, 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27	QLogic QLA2200F-EMC ^{21, 36, 37}	FC-AL, FC-SW	N	See ^{7, 8}
105	PowerEdge: 2600 ⁹ , 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{4, 21, 27, 35, 36}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ⁸
106	PowerEdge: 2600, 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{4, 27, 35, 36}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
107	PowerEdge 2600	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{21, 27, 30, 34, 35, 36}	FC-AL, FC-SW	N	See ^{6, 7, 8}
108	PowerEdge 4600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{4, 21, 36, 37} , QLA2310F-E-SP ^{4, 21, 27, 35, 36}	FC-AL, FC-SW	N	See ^{6, 7, 8}
109	PowerEdge 1750	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{4, 21, 36, 37} , QLA2310F-E-SP ^{4, 21, 27, 35, 36} , QLA2340-E-SP ^{4, 27, 35, 36} , QLA2342-E-SP ^{21, 27, 30, 34, 35, 36}	FC-AL, FC-SW	N	See ^{6, 7, 8}
110	PowerEdge: 2600 ⁹ , 2650, 6600 ⁹ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{4, 21, 36, 37} , QLA2342-E-SP ^{21, 27, 30, 34, 35, 36}	FC-AL, FC-SW	N	See ^{6, 7, 8}
111	PowerEdge 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27	QLogic: QLA2310F-E-SP ^{21, 27, 35, 36} , QLA2340-E-SP ^{4, 27, 35, 36}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
112	PowerEdge: 2600 ⁹ , 6600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27	QLogic: QLA2310F-E-SP ^{4, 21, 27, 35, 36} , QLA2340-E-SP ^{4, 27, 35, 36}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
113	PowerEdge 4600	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ^{2, 33} , v2.4.9-e.27	QLogic: QLA2340-E-SP ^{4, 27, 35, 36} , QLA2342-E-SP ^{21, 27, 30, 34, 35, 36}	FC-AL, FC-SW	N	See ^{6, 7, 8}
114	PowerEdge: 2600 ⁹ , 2650, 6600 ⁹ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 33} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{21, 38, 39, 40, 41, 42}	FC-AL, FC-SW	Y	See ⁷

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
115	PowerEdge: 1750, 4600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 33} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802DC–E ^{21, 38, 39, 41, 42}	FC-AL, FC-SW	Y	See ⁷
116	PowerEdge: 2600 ⁹ , 2650, 6600 ⁹ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 33} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP982–E ^{21, 34, 38, 39, 40, 42, 52, 53}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
117	PowerEdge: 1750, 4600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{21, 34, 38, 39, 40, 42, 52, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}
118	PowerEdge: 1750, 2600 ⁹ , 4600 ⁹ , 6600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.3 ^{1, 2, 3} , v2.4.9–E.g ^{2, 23}	QLogic QLA2200F–EMC ^{4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
119	PowerEdge 2650 ⁹	PCI-X	Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 23} , v2.4.9–e.16 ^{2, 23}	QLogic QLA2200F ^{3, 4, 5, 30, 31, 32}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 28, 29}	See ^{6, 7, 8}
120	PowerEdge 2650 ⁹	PCI-X	Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 23} , v2.4.9–e.16 ^{2, 23}	QLogic QLA2310F–E–SP ^{4, 20, 26, 27}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
121	PowerEdge: 2650, 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 23} , ES v2.4.9–e.12 ^{2, 23} , ES v2.4.9–e.16 ^{2, 23}	QLogic QLA2200F–EMC ^{3, 4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
122	PowerEdge: 2600, 2600 ⁹ , 6600	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 23} , ES v2.4.9–e.12 ^{2, 23} , ES v2.4.9–e.16 ^{2, 23}	QLogic QLA2200F ^{3, 4, 5, 30, 31, 32}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 28, 29}	See ^{6, 7, 8}
123	PowerEdge 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 23} , ES v2.4.9–e.12 ^{2, 23} , ES v2.4.9–e.16 ^{2, 23}	QLogic QLA2310F–E–SP	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
124	PowerEdge: 2600, 2650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 23} , ES v2.4.9–e.12 ^{2, 23} , ES v2.4.9–e.16 ^{2, 23}	QLogic QLA2340–E–SP ^{4, 20}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
125	PowerEdge: 2600 ⁹ , 6600 ⁹	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 23} , ES v2.4.9–e.12 ^{2, 23} , ES v2.4.9–e.16 ^{2, 23}	QLogic: QLA2310F–E–SP ^{4, 20} , QLA2340–E–SP ^{4, 20}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
126	PowerEdge: 2650, 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 23} , ES v2.4.9–e.12 ^{2, 23} , ES v2.4.9–e.16 ^{2, 23} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2200F ^{3, 4, 5, 30, 31, 32}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 28, 29}	See ^{7, 8}
127	PowerEdge: 2600 ⁹ , 2650, 6600 ⁹ , 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27	Emulex: LP10000–E ^{34, 38, 39, 41, 44, 48, 49} , LP10000DC–E ^{4, 34, 38, 39, 41, 44, 48, 49} , LP1050–E ^{21, 34, 38, 39, 40, 41, 42, 54} , LP1050DC–E ^{21, 34, 38, 39, 40, 41, 42, 54}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	
128	PowerEdge: 1750, 2600, 2650, 4600 ⁹ , 6600, 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{34, 38, 39, 41, 44, 48, 49} , LP10000DC–E ^{4, 34, 38, 39, 41, 44, 48, 49} , LP1050–E ^{21, 34, 38, 39, 40, 41, 42, 54} , LP1050DC–E ^{21, 34, 38, 39, 40, 41, 42, 54}	FC-AL, FC-SW	N	See ⁴⁷
129	PowerEdge: 1750, 4600 ⁹	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F ^{4, 21, 27, 34, 36, 37}	FC-AL, FC-SW	N	See ^{6, 7, 8}
130	PowerEdge: 2600, 2600 ⁹ , 2650, 6600, 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F ^{4, 21, 27, 34, 36, 37}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 28, 29}	See ^{6, 7, 8}
131	PowerEdge: 2650, 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F ^{4, 21, 27, 34, 36, 37}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 28, 29}	See ^{7, 8}
132	PowerEdge: 2650, 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{50, 51}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 28, 29}	See ^{7, 8}
133	PowerEdge: 2600, 2600 ⁹ , 2650, 6600, 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{50, 51} ; QLogic QLA2200F	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 28, 29}	See ^{6, 7, 8}
134	PowerEdge 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{50, 51} ; QLogic QLA2200F–EMC	FC-AL, FC-SW	N	See ^{6, 7, 8}
135	PowerEdge: 2600 ⁹ , 2650, 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{50, 51} ; QLogic QLA2200F–EMC	FC-AL, FC-SW	N	See ^{7, 8}
136	PowerEdge: 1750, 2600 ⁹ , 2650 ⁹ , 4600 ⁹ , 6600 ⁹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{50, 51} ; QLogic: QLA2200F–EMC ⁴ , QLA2310F–E–SP ⁴ , QLA2342–E–SP ^{4, 31, 34}	FC-AL, FC-SW	N	See ^{6, 7, 8}
137	PowerEdge: 1750, 2600 ⁹ , 2650 ⁹ , 4600 ⁹ , 6600 ⁹ , 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC-AL, FC-SW	Y	See ^{6, 7, 8}
138	PowerEdge: 2650, 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC-AL, FC-SW	Y	See ^{7, 8}
139	PowerEdge: 1750, 2600 ⁹ , 2650, 4600 ⁹ , 6600 ⁹ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{21, 34, 38, 39, 40, 41, 42}	FC-AL, FC-SW	Y	See ⁷
140	PowerEdge: 2600 ⁹ , 2650, 6600 ⁹ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{21, 34, 38, 39, 40, 42, 52, 53}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
141	PowerEdge: 2600 ⁹ , 2650, 6600 ⁹ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{34, 38, 39, 41, 44, 48, 49} , LP10000DC–E ^{4, 34, 38, 39, 41, 44, 48, 49} , LP1050–E ^{21, 34, 38, 39, 40, 41, 42, 54} , LP1050DC–E ^{21, 34, 38, 39, 40, 41, 42, 54}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19}	
142	PowerEdge: 2600 ⁹ , 2650, 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 30, 31, 32}	FC-AL, FC-SW	N	See ^{7, 8}
143	PowerEdge: 2600 ⁹ , 6600 ⁹ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 30, 31, 32}	FC-AL, FC-SW	N	See ^{6, 7, 8}
144	PowerEdge 2650 ⁹	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F ^{3, 4, 5, 30, 31, 32} , QLA2310F–E–SP ^{4, 20} , QLA2342–E–SP	FC-AL, FC-SW	N	See ^{6, 7, 8}
145	PowerEdge 2650 ⁹	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.12 ^{2, 23} , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F–EMC ^{3, 4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
146	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9, 22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	QLogic QLA2340–E–SP ^{4, 20}	FC-AL, FC-SW ²	Y ^{10, 11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
147	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2450 ⁹ , 2500 ⁹ , 2550 ^{9, 22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 23, 24} , v2.4.9–E.12 ^{2, 23} , v2.4.9–E.9 ^{2, 23} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2340–E–SP ^{4, 20}	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
148	PowerEdge 1650 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 23, 24} , v2.4.9–E.3 ^{1, 2, 3} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2340–E–SP ^{4, 20}	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
149	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9, 22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 33} , v2.4.9–e.25 ^{2, 33} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 33} , v2.4.9–e.25 ^{2, 33} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{4, 27, 35, 36}	FC-AL, FC-SW ²	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
150	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9, 22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 23} , ES v2.4.9–E.12 ^{2, 23} , ES v2.4.9–e.16 ^{2, 23}	QLogic QLA2340–E–SP ^{4, 20}	FC-AL, FC-SW ²	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
151	PowerEdge: 1550 ⁹ , 1650 ⁹ , 2300 ⁹ , 2450 ⁹ , 2500 ⁹ , 2550 ^{9, 22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2340–E–SP ⁴	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
152	PowerEdge: 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.10 ^{2, 5, 23, 24} , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2340–E–SP ^{4, 20}	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
153	PowerEdge: 2600 ⁹ , 2650, 6600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	QLogic QLA2340–E–SP ^{4, 20}	FC-AL, FC-SW ²	Y ^{10, 11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
154	PowerEdge: 1750, 4600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 23, 24} , v2.4.9–E.3 ^{1, 2, 3} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2340–E–SP ^{4, 20}	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
155	PowerEdge: 1750, 2600 ⁹ , 2650 ⁹ , 4600 ⁹ , 6600 ⁹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2340–E–SP ⁴	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
156	PowerEdge 2650 ⁹	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2340–E–SP ^{4, 20}	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
157	PowerEdge: 2600 ⁹ , 6600 ⁹	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.10 ^{2, 5, 23, 24} , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2340–E–SP ^{4, 20}	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
158	PowerEdge 2400	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{21, 38, 39, 40, 41, 42}	FC-AL, FC-SW ³⁴	Y	See ^{6, 7, 8}
159	PowerEdge: 2600 ⁹ , 2650, 6600 ⁹ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{21, 38, 39, 40, 41, 42}	FC-AL, FC-SW ³⁴	Y	See ^{6, 7, 8}
160	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9, 22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 33} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ^{21, 34, 38, 40, 41, 42, 45, 46}	FC-AL, FC-SW ^{34, 44}	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
161	PowerEdge 1650 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{21, 34, 38, 40, 41, 42, 45, 46}	FC-AL, FC-SW ^{34, 44}	N	See ^{6, 7, 8}
162	PowerEdge: 1550 ⁹ , 1650 ⁹ , 2300 ⁹ , 2450 ⁹ , 2500 ⁹ , 2550 ^{9, 22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{21, 38, 39, 40, 41, 42}	FC-AL, FC-SW ^{34, 44}	Y	See ^{6, 7, 8}
163	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9, 22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{21, 34, 38, 40, 41, 42, 45, 46}	FC-AL, FC-SW ^{34, 44}	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 55}	See ^{6, 7, 8}
164	PowerEdge: 1550 ⁹ , 1650 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9, 22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{21, 34, 38, 39, 40, 41, 42}	FC-AL, FC-SW ^{34, 44}	Y	See ^{6, 7, 8}

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
165	PowerEdge: 2600 ⁹ , 2650, 6600 ⁹ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ^{21, 34, 38, 40, 41, 42, 45, 46}	FC-AL, FC-SW ^{34, 44}	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
166	PowerEdge: 1750, 4600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{21, 34, 38, 40, 41, 42, 45, 46}	FC-AL, FC-SW ^{34, 44}	N	See ^{6, 7, 8}
167	PowerEdge: 1750, 2600 ⁹ , 4600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{21, 38, 39, 40, 41, 42}	FC-AL, FC-SW ^{34, 44}	Y	See ^{6, 7, 8}
168	PowerEdge: 2600 ⁹ , 2650, 6600 ⁹ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{21, 34, 38, 40, 41, 42, 45, 46}	FC-AL, FC-SW ^{34, 44}	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 55}	See ^{6, 7, 8}
169	PowerEdge: 1750, 2600 ⁹ , 2650, 4600 ⁹ , 6600 ⁹ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{21, 34, 38, 39, 40, 41, 42}	FC-AL, FC-SW ^{34, 44}	Y	See ^{6, 7, 8}
170	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9,22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{21, 38, 39, 40, 41, 42, 43}	FC-AL, FC-SW ⁴⁴	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
171	PowerEdge 1650 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{21, 38, 39, 41, 42, 43}	FC-AL, FC-SW ⁴⁴	N	See ^{6, 7, 8}
172	PowerEdge: 1550 ⁹ , 2300 ⁹ , 2400, 2450 ⁹ , 2500 ⁹ , 2550 ^{9,22} , 4400 ⁹ , 6100 ⁹ , 6300 ⁹ , 6350 ⁹ , 6400 ⁹ , 6450 ⁹ , 8450 ⁹	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{21, 38, 39, 40, 41, 42, 43}	FC-AL, FC-SW ⁴⁴	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 55}	See ^{6, 7, 8}
173	PowerEdge: 2600 ⁹ , 2650, 6600 ⁹ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{21, 38, 39, 40, 41, 42, 43}	FC-AL, FC-SW ⁴⁴	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
174	PowerEdge: 1750, 4600 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2,33} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{21, 38, 39, 41, 42, 43}	FC-AL, FC-SW ⁴⁴	N	See ^{6, 7, 8}
175	PowerEdge: 2600 ⁹ , 2650, 6600 ⁹ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{21, 38, 39, 40, 41, 42, 43}	FC-AL, FC-SW ⁴⁴	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 55}	See ^{6, 7, 8}

- Requires v6.2.1 or higher Navisphere host agent/CLI.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supported with QLogic driver v6.05.00.
- Host must be offline for CLARiiON–licensed (Flare) upgrade and Storage Processor replacement.
- Requires v6.0.5 or higher Navisphere host Agent/CLI.
- Not available for FC5700
- PowerPath supported. ATF/CDE not supported.
- CLARiiON FC4500 array is also supported for these configurations.
- An RPM from Dell may be used to install the QLogic v6.05.00 driver and may be obtained from the QLogic website at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- This kernel is limited to 110 devices, not 128.
- Requires QLogic driver 4.47.18 driver disk, dd.img–i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Only one HBA is qualified for use in the Linux host when booting from the CLARiiON via fabric.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- Requires BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- This system is supported with Red Hat 2.1 Advanced Server v2.4.9–E.3 and updated with v2.4.9–E.9, E.10, and E.12 RPMs.
- Requires v6.05 or higher Navisphere host agent/CLI.
- Requires BIOS v1.83 for QLA2200F and BIOS v1.34 for QLA2310F, QLA2340–E–SP, and QLA2342–E–SP available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires QLogic driver 4.47.18 and BIOS 1.83.
- Install with driver provided by RedHat Installer and upgrade to the EMC–approved driver after installation.
- Driver Version v6.05.00.
- Driver Version v6.x series. Supports persistent binding and only supports Class 3.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- Single HBA zoning is required regardless of the switch being utilized.

- 35. Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- 36. Driver Version v6.04.01.
- 37. Requires QLogic driver v6.04.01 (included in 2.4.9–e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- 38. Driver Version 1.23a.
- 39. FCode value 1.63a2.
- 40. Emulex driver and BIOS available from <http://www.emulex.com>.
- 41. **QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- 42. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- 43. The LP9002–E now ships with the LP9002L–E low profile adapter.
- 44. FC–AL and FC–SW can run concurrently on separate HBAs on the same Host.
- 45. Firmware Version 3.90a7.
- 46. FCode value 1.63a.
- 47. Linux v2.4.x Kernels support a maximum of 128 devices per system.
- 48. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
- 49. Firmware Version 1.80a2.
- 50. Driver Version v1.22e.
- 51. Firmware Version v3.90a7.
- 52. **QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- 53. Firmware Version 1.02a0.
- 54. Firmware Version 1.80a3.
- 55. **Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.**

HPQ

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ² , 5, 27, 29, 30	QLogic QLA2200F–EMC ^{3, 4, 21, 25, 26}	FC–AL, FC–SW	N	See ^{6, 7, 8}
2	Netserver LH 3000; Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 800, 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ² , 5, 29, 30	QLogic QLA2200F–EMC ^{3, 4}	FC–AL, FC–SW	N	See ^{6, 7, 8}
3	Proliant ML750 ⁹	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ^{2, 29}	QLogic QLA2340–E–SP ⁴	FC–AL, FC–SW	N	See ⁸
4	Proliant: ML350(G2) ⁹ , ML350(G3), ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ^{2, 29}	QLogic QLA2340–E–SP ^{4, 20}	FC–AL, FC–SW	N	See ⁸
5	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 800, 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	QLogic QLA2200F ^{3, 4, 5, 33, 34, 35}	FC–AL, FC–SW	Y10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 31, 32	See ^{6, 7, 8}
6	Netserver LH 3000; Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 800, 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	QLogic QLA2310F–E–SP ^{4, 20}	FC–AL, FC–SW	Y10, 11, 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
7	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3, 27}	QLogic QLA2310F–E–SP ^{4, 20, 21, 25, 28}	FC–AL, FC–SW	Y10, 11, 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
8	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 3}	QLogic QLA2200F ^{3, 4, 5, 33, 34, 35}	FC–AL, FC–SW	Y1, 10, 12, 14, 15, 16, 17, 18, 19, 31, 32	See ^{6, 7, 8}
9	Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 800, 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2, 29}	QLogic QLA2340–E–SP ^{4, 20}	FC–AL, FC–SW	N	See ^{6, 7, 8}
10	Netserver: LH (LH Pro), LP 2000r	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{2, 27, 29}	QLogic QLA2200F–EMC ^{4, 5, 21, 25, 26}	FC–AL, FC–SW	N	See ^{6, 7, 8}
11	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 29} , v2.4.9–E.10 ^{2, 5, 29, 30} , v2.4.9–E.12 ^{2, 29} , v2.4.9–E.9 ^{2, 29} , Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2310F–E–SP ^{4, 20}	FC–AL, FC–SW	N	See ^{6, 7, 8}
12	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 29} , v2.4.9–E.12 ^{2, 29} , v2.4.9–E.16 ^{2, 29} , v2.4.9–E.3 ^{1, 2, 3} , v2.4.9–E.9 ^{2, 29} , Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 29} , v2.4.9–e.16 ^{2, 29} , Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	See ^{6, 7, 8}
13	Proliant ML750 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 29} , v2.4.9–E.12 ^{2, 29} , v2.4.9–E.16 ^{2, 29} , v2.4.9–E.9 ^{1, 2, 29} , Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 29} , v2.4.9–e.16 ^{2, 29}	QLogic QLA2342–E–SP ⁴	FC–AL, FC–SW	N	See ^{6, 7, 8}

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
14	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 800, 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 29} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.9 ^{2, 29} ;	QLogic QLA2200F ^{4, 33, 34, 35}	FC-AL, FC-SW	N	See ^{6, 7, 8}
15	Proliant ML750 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 29} , v2.4.9-E.9 ^{1, 2, 29} ;	QLogic QLA2340-E-SP ⁴	FC-AL, FC-SW	N	See ^{6, 7, 8}
16	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 27, 29, 30} , v2.4.9-E.12 ^{2, 27, 29} , v2.4.9-E.16 ^{2, 27, 29} , v2.4.9-E.3 ^{1, 2, 3, 27} , v2.4.9-E.9 ^{2, 27, 29} ;	QLogic QLA2342-E-SP ^{21, 25, 28, 36}	FC-AL, FC-SW	N	See ^{6, 7, 8}
17	Netserver LP 2000r	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 27, 29} , v2.4.9-E.12 ^{2, 27, 29} , v2.4.9-E.16 ^{2, 27, 29} , v2.4.9-E.3 ^{1, 2, 3, 27} ;	QLogic QLA2200F-EMC ^{3, 4, 5, 21, 25, 26}	FC-AL, FC-SW	N	See ^{6, 7, 8}
18	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 27, 29} , v2.4.9-E.12 ^{2, 27, 29} , v2.4.9-E.16 ^{2, 27, 29} , v2.4.9-E.3 ^{2, 3, 27} ;	QLogic QLA2200F-EMC ^{3, 4, 5, 21, 25, 26}	FC-AL, FC-SW	N	See ^{6, 7, 8}
19	Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 800, 8000 ^{9, 23} , 850 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 29, 30} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29} , v2.4.9-E.3 ^{1, 2, 3} , v2.4.9-E.9 ^{1, 2, 29} ;	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	See ^{6, 7, 8}
20	Netserver LH 3000; Proliant: DL580(G2) ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 29, 30} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29} , v2.4.9-E.3 ^{1, 2, 3} , v2.4.9-E.9 ^{2, 29} ;	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	See ^{6, 7, 8}
21	Proliant: 3000 ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 29, 30} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29} , v2.4.9-E.9 ^{1, 2, 29} ;	QLogic QLA2342-E-SP ⁴	FC-AL, FC-SW	N	See ^{6, 7, 8}
22	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 800, 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 29, 30} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.9 ^{2, 29} ;	QLogic QLA2310F-E-SP ^{4, 20}	FC-AL, FC-SW	N	See ^{6, 7, 8}
23	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 29} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29} ;	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
24	Netserver LP 2000r	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{27, 29} , v2.4.9-E.12 ^{27, 29} , v2.4.9-E.16 ^{2, 27, 29} , v2.4.9-E.3 ^{1, 2, 3, 27} , v2.4.9-E.9 ^{27, 29} ;	QLogic QLA2342-E-SP ^{21, 25, 28, 36}	FC-AL, FC-SW	N	See ^{6, 7, 8}
25	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{27, 29} , v2.4.9-E.12 ^{27, 29} , v2.4.9-E.16 ^{27, 29} , v2.4.9-E.3 ²⁷ , v2.4.9-E.9 ^{27, 29} ;	QLogic QLA2310F-E-SP ^{4, 21, 25, 28}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
26	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{27, 29} , v2.4.9-E.12 ^{27, 29} , v2.4.9-E.16 ^{27, 29} , v2.4.9-E.3 ²⁷ , v2.4.9-E.9 ^{27, 29} ;	QLogic QLA2342-E-SP ^{21, 25, 28, 36}	FC-AL, FC-SW	N	See ^{6, 7, 8}

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
27	Netserver LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{27, 29} , v2.4.9-E.12 ^{27, 29} , v2.4.9-E.16 ^{27, 29} , v2.4.9-E.3 ²⁷ , v2.4.9-E.9 ^{27, 29} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{27, 29} , v2.4.9-e.16 ^{27, 29}	QLogic QLA2200F-EMC ^{4, 21, 25, 26} , QLA2342-E-SP ^{21, 25, 28, 36}	FC-AL, FC-SW	N	See ^{6, 7, 8}
28	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{27, 29} , v2.4.9-E.12 ^{27, 29} , v2.4.9-E.9 ^{27, 29}	QLogic QLA2310F-E-SP ^{4, 21, 25, 28}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
29	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 27, 29} , v2.4.9-E.16 ^{2, 27, 29} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 27, 29} , v2.4.9-e.16 ^{2, 27, 29}	QLogic QLA2200F-EMC ^{3, 4, 5, 21, 25, 26}	FC-AL, FC-SW	N	See ^{6, 7, 8}
30	Netserver LH 3000; Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 800, 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 29} , v2.4.9-e.16 ^{2, 29} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
31	Netserver LH PRO	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 29} , v2.4.9-E.3 ^{1, 2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 29} , v2.4.9-e.16 ^{2, 29} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 33, 34, 35}	FC-AL, FC-SW	N	See ^{6, 7, 8}
32	Proliant ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 29} , v2.4.9-E.3 ^{1, 2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 29} , v2.4.9-e.16 ^{2, 29} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 33, 34, 35}	FC-AL, FC-SW	N	See ^{6, 7, 8}
33	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 27, 54} , v2.4.9-e.25 ^{2, 27, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 27, 54} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{4, 21, 25, 28, 53}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
34	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 27, 54} , v2.4.9-e.25 ^{2, 27, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 27, 54} , v2.4.9-e.27	QLogic QLA2200F-EMC ^{4, 21, 26, 53} , QLA2342-E-SP ^{21, 25, 28, 34, 36, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}
35	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 27, 54} , v2.4.9-e.25 ^{2, 27, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{2, 27, 54} , v2.4.9-e.27	QLogic QLA2200F-EMC ^{4, 21, 26, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}
36	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 800, 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54}	QLogic QLA2200F ^{4, 21, 25, 26, 36}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
37	Netserver LH PRO; Proliant ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54}	QLogic QLA2200F ^{4, 21, 25, 26, 36}	FC-AL, FC-SW	N	See ^{6, 7, 8}
38	Netserver LH 3000; Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 800, 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{4, 21, 25, 28, 53}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
39	Proliant ML750 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{4, 25, 28, 53}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19, 24}	See ⁸
40	Proliant ML350(G2) ⁹ , ML350(G3), ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{4, 25, 28, 53}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ⁸
41	Proliant ML750 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{4, 21, 25, 28, 34, 36, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
42	Netserver LH 3000; Proliant: 1600 ^{9,22} , 1850 ⁹ , 2500 ⁹ , 5000 ⁹ , 5500 ⁹ , 23, 6000 ⁹ , 23, 6400R ⁹ , 800, 8000 ⁹ , 23, 850 ⁹ , DL580(G2) ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,54} , v2.4.9–e.25 ^{2,54} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , 54, v2.4.9–e.25 ^{2,54} , v2.4.9–e.27	QLogic: QLA2200F–EMC ^{4,21} , 26, 53, QLA2342–E–SP ^{21,25} , 28, 34, 36, 53	FC–AL, FC–SW	N	See ^{6,7,8}
43	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,54} , v2.4.9–e.25 ^{2,54} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , 54, v2.4.9–e.25 ^{2,54} , v2.4.9–e.27	QLogic: QLA2200F–EMC ^{4,21} , 26, 53, QLA2342–E–SP ^{21,25} , 28, 34, 36, 53, QLA2342–E–SP ⁴ , 21, 25, 28, 34, 36, 53	FC–AL, FC–SW	N	See ^{6,7,8}
44	Proliant: 3000 ⁹ , 6500 ^{9,23} , 7000 ^{9,23} , 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380 ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,54} , v2.4.9–e.25 ^{2,54} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , 54, v2.4.9–e.25 ^{2,54} , v2.4.9–e.27	QLogic: QLA2200F–EMC ^{4,21} , 26, 53, QLA2342–E–SP ^{4,21,25} , 28, 34, 36, 53	FC–AL, FC–SW	N	See ^{6,7,8}
45	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,54} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , 54, v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802DC–E ^{21,47,48} , 49, 50, 51	FC–AL, FC–SW	Y	See ⁷
46	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,54} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , 54, v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP982–E ^{21,36,47,49} , 50, 51, 62, 69	FC–AL, FC–SW	Y ^{13,14} , 15, 16, 17, 18, 19	See ^{6,7,8}
47	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁷ , v2.4.9–e.25 ²⁷ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ²⁷ , v2.4.9–e.27	QLogic QLA2310F–E–SP ^{4,21} , 25, 28, 53	FC–AL, FC–SW	Y ^{11,12} , 13, 14, 15, 16, 17, 18, 19	See ^{6,7,8}
48	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁷ , v2.4.9–e.25 ²⁷ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ²⁷ , v2.4.9–e.27	QLogic QLA2342–E–SP ^{21,25} , 28, 34, 36, 53	FC–AL, FC–SW	N	See ^{6,7,8}
49	Netserver LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁷ , v2.4.9–e.25 ²⁷ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ²⁷ , v2.4.9–e.27	QLogic: QLA2200F–EMC ^{4,21} , 26, 53, QLA2342–E–SP ^{21,25} , 28, 34, 36, 53	FC–AL, FC–SW	N	See ^{6,7,8}
50	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.3 ^{1,2,3,27} , v2.4.9–E.9 ^{2,27,29}	QLogic QLA2200F–EMC ^{4,5} , 21, 25, 26	FC–AL, FC–SW	N	See ^{6,7,8}
51	Netserver LH 3000; Proliant: 1600 ^{9,22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 23, 6000 ⁹ , 23, 6400R ⁹ , 6500 ^{9,23} , 7000 ^{9,23} , 800, 8000 ⁹ , 23, 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.3 ^{1,2,3} , v2.4.9–E.9 ^{2,29}	QLogic QLA2200F–EMC ^{4,5}	FC–AL, FC–SW	N	See ^{6,7,8}
52	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 ES v2.4.9–e.24 ^{2,54}	QLogic QLA2200F–EMC ^{21,26} , 53	FC–AL, FC–SW	N	See ^{7,8}
53	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2,27,29} , ES v2.4.9–e.12 ² , 27, 29, ES v2.4.9–e.16 ^{2,27,29}	QLogic QLA2310F–E–SP ^{4,20} , 21, 25, 28	FC–AL, FC–SW	Y ^{11,12} , 13, 14, 15, 16, 17, 18, 19	See ^{6,7,8}
54	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9,22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 23, 6000 ⁹ , 23, 6400R ⁹ , 6500 ^{9,23} , 7000 ^{9,23} , 8000 ^{9,23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380 ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2,29} , ES v2.4.9–e.12 ^{2,29} , ES v2.4.9–e.16 ^{2,29}	QLogic QLA2200F ^{3,4,5,33,34} , 35	FC–AL, FC–SW	Y ^{12,14} , 15, 16, 17, 18, 19, 31, 32	See ^{6,7,8}
55	Netserver LH 3000; Proliant: 1600 ^{9,22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 23, 6000 ⁹ , 23, 6400R ⁹ , 6500 ^{9,23} , 7000 ^{9,23} , 800, 8000 ⁹ , 23, 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2,29} , ES v2.4.9–e.12 ^{2,29} , ES v2.4.9–e.16 ^{2,29}	QLogic QLA2310F–E–SP ^{4,20}	FC–AL, FC–SW	Y ^{11,12} , 13, 14, 15, 16, 17, 18, 19	See ^{6,7,8}
56	Proliant ML750 ⁹	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2,29} , ES v2.4.9–e.12 ^{2,29} , ES v2.4.9–e.16 ^{2,29}	QLogic QLA2340–E–SP ⁴	FC–AL, FC–SW	Y ^{11,12} , 13, 14, 15, 16, 17, 18, 19, 24	See ⁸
57	Proliant: ML350(G2) ⁹ , ML350(G3), ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2,29} , ES v2.4.9–e.12 ^{2,29} , ES v2.4.9–e.16 ^{2,29}	QLogic QLA2340–E–SP ^{4,20}	FC–AL, FC–SW	Y ^{11,12} , 13, 14, 15, 16, 17, 18, 19	See ⁸
58	Proliant: 800, DL380(G3), DL580(G2) ⁹	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2,29} , ES v2.4.9–e.12 ^{2,29} , ES v2.4.9–e.16 ^{2,29} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2200F ^{3,4,5,33,34} , 35	FC–AL, FC–SW	Y ^{12,14} , 15, 16, 17, 18, 19, 31, 32	See ^{6,7,8}
59	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27	Emulex: LP10000–E ^{36,48,50} , 51, 52, 59, 60, LP10000DC–E ⁴ , 36, 48, 50, 51, 52, 59, 60 LP1050–E ^{21,36,47,48,49,50} , 51, 70, LP1050DC–E ^{21,36,47} , 48, 49, 50, 51, 70	FC–AL, FC–SW	Y ^{13,14} , 15, 16, 17, 18, 19	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
60	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁹ , 800, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{36, 48, 50, 51, 52, 59, 60} , LP10000DC–E ^{4, 36, 48, 50, 51, 52, 59, 60} LP1050–E ^{21, 36, 47, 48, 49, 50, 51, 70} , LP1050DC–E ^{21, 36, 47, 48, 49, 50, 51, 70}	FC–AL, FC–SW	N	See ⁵⁸
61	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 800, 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F ^{4, 21, 25, 26, 36, 53}	FC–AL, FC–SW	Y ^{12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
62	Netserver LH PRO; Proliant ML750 ²⁴	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F ^{4, 21, 25, 26, 36, 53}	FC–AL, FC–SW	N	See ^{6, 7, 8}
63	Proliant: 800, DL580(G2) ⁹	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{66, 67}	FC–AL, FC–SW	Y ^{12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
64	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 800, 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{66, 67} ; QLogic QLA2200F	FC–AL, FC–SW	Y ^{12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
65	Proliant ML750 ⁹	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{66, 67} ; QLogic QLA2200F	FC–AL, FC–SW	N	See ^{6, 7, 8}
66	Netserver LP 2000r	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{66, 67} ; QLogic QLA2200F–EMC	FC–AL, FC–SW	N	See ^{7, 8}
67	Netserver LC: 2000 U3, 2000r; Netserver: LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 800, 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{66, 67} ; QLogic: QLA2200F–EMC ⁴ , QLA2310F–E–SP ⁴ , QLA2342–E–SP ^{4, 35, 36}	FC–AL, FC–SW	N	See ^{6, 7, 8}
68	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 800, 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴ , ML750 ⁹	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC–AL, FC–SW	Y	See ^{6, 7, 8}
69	Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LX PRO, LXR PRO, LXR PRO8	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2200F	FC–AL, FC–SW	Y ^{12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
70	Netserver LH (LH Pro)	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2200F–EMC	FC–AL, FC–SW	N	See ^{7, 8}
71	Netserver LH: 3, 3000, 4, 6000, II, III; Netserver: LX PRO, LXR PRO, LXR PRO8	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic: QLA2200F–EMC ⁴ , QLA2310F–E–SP ⁴ , QLA2342–E–SP ^{4, 35, 36}	FC–AL, FC–SW	N	See ^{6, 7, 8}
72	Netserver LH PRO	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic: QLA2200F, QLA2200F–EMC ⁴ , QLA2310F–E–SP ⁴ , QLA2342–E–SP ^{4, 35, 36}	FC–AL, FC–SW	N	See ^{6, 7, 8}
73	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{21, 36, 47, 48, 49, 50, 51}	FC–AL, FC–SW	Y	See ⁷
74	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{21, 36, 47, 49, 50, 51, 62, 69}	FC–AL, FC–SW	Y ^{14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
75	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{36, 48, 50, 51, 52, 59, 60} , LP10000DC–E ^{4, 36, 48, 50, 51, 52, 59, 60} LP1050–E ^{21, 36, 47, 48, 49, 50, 51, 70} , LP1050DC–E ^{21, 36, 47, 48, 49, 50, 51, 70}	FC–AL, FC–SW	Y ^{14, 15, 16, 17, 18, 19}	
76	Netserver LH 3000; Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 800, 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 33, 34, 35}	FC–AL, FC–SW	N	See ^{6, 7, 8}
77	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{3, 4, 5} , QLA2200F ^{3, 4, 5, 33, 34, 35} , QLA2342–E–SP	FC–AL, FC–SW	N	See ^{6, 7, 8}
78	Netserver LH PRO	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{3, 4, 5} , QLA2342–E–SP	FC–AL, FC–SW	N	See ^{6, 7, 8}
79	Netserver: LH (LH Pro), LP 2000r	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{3, 5} , QLA2200F ^{3, 4, 5, 33, 34, 35}	FC–AL, FC–SW	N	See ^{7, 8}

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
80	Proliant: 3000 ⁹ , 6500 ^{9,23} , 7000 ^{9,23} , 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380 ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.3 ^{1,2,3} , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	See ^{6,7,8}
81	Proliant DL740	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ^{2,29}	QLogic QLA2340–E–SP ⁴	FC–AL, FC–SW	N	See ^{6,7,8}
82	Proliant: DL360(G3), DL560, ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ^{2,5,29,30}	QLogic QLA2200F–EMC ^{3,4}	FC–AL, FC–SW	N	See ^{6,7,8}
83	Proliant: DL740, DL760 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ^{2,29}	QLogic QLA2340–E–SP ⁴	FC–AL, FC–SW	N	See ⁸
84	Proliant ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ^{2,29}	QLogic QLA2340–E–SP ^{4,20}	FC–AL, FC–SW	N	See ⁸
85	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ^{2,29}	QLogic QLA2340–E–SP ^{4,20,33,34,35}	FC–AL, FC–SW	N	See ^{6,7,8}
86	Proliant DL760 (G2)	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ^{2,29}	QLogic: QLA2340–E–SP ⁴ , QLA2342–E–SP ⁴	FC–AL, FC–SW	N	See ⁸
87	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1,2,3}	IBM 19K1246(QLA2310) ^{33,34,35,42,43}	FC–AL, FC–SW	N	See ^{6,7,8}
88	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1,2,3}	QLogic QLA2200F ^{3,4,5,33,34,35}	FC–AL, FC–SW	Y ^{10,12,14,15,16,17,18,19,31,32}	See ^{6,7,8}
89	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1,2,3}	QLogic QLA2310F–E–SP ^{4,20}	FC–AL, FC–SW	Y ^{10,11,12,13,14,15,16,17,18,19}	See ^{6,7,8}
90	Proliant: DL760 (G2), DL760 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1,2,3}	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	See ^{6,7,8}
91	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1,2,3,38}	QLogic: QLA2200F–EMC ^{3,4,5,33,34,35} , QLA2310F–E–SP ^{4,20,33,34,35} , QLA2342–E–SP	FC–AL, FC–SW	N	See ^{6,7,8}
92	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1,2,3,39}	QLogic QLA2310F–E–SP ^{4,20,25,37}	FC–AL, FC–SW	N	See ⁸
93	Proliant: DL360(G3), DL560, ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1,2,29}	QLogic QLA2340–E–SP ^{4,20}	FC–AL, FC–SW	N	See ^{6,7,8}
94	Proliant: DL760 (G2), DL760 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{2,29}	QLogic QLA2200F–EMC ⁵	FC–AL, FC–SW	N	See ^{7,8}
95	Proliant DL740	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2,29} , v2.4.9–E.12 ^{2,29}	QLogic QLA2200F ^{4,33,34,35}	FC–AL, FC–SW	N	See ^{6,7,8}
96	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2,29} , v2.4.9–E.12 ^{2,29} , v2.4.9–E.9 ^{2,29}	QLogic QLA2200F ^{4,33,34,35}	FC–AL, FC–SW	N	See ^{6,7,8}
97	Proliant DL740	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2,29} , v2.4.9–E.16 ^{2,29} , Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2,29} , v2.4.9–e.16 ^{2,29}	QLogic QLA2342–E–SP ⁴	FC–AL, FC–SW	N	See ^{6,7,8}
98	Proliant DL760 (G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2,29} , v2.4.9–E.16 ^{2,29} , v2.4.9–E.9 ^{1,2,29} , Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2,29} , v2.4.9–e.16 ^{2,29}	QLogic QLA2342–E–SP ⁴	FC–AL, FC–SW	N	See ^{6,7,8}
99	Proliant DL760 (G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2,29} , v2.4.9–E.9 ^{1,2,29}	QLogic QLA2340–E–SP ⁴	FC–AL, FC–SW	N	See ^{6,7,8}
100	Proliant DL760 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2,29} , v2.4.9–E.9 ^{1,2,29}	QLogic: QLA2340–E–SP ⁴ , QLA2342–E–SP ⁴	FC–AL, FC–SW	N	See ^{6,7,8}
101	Proliant: DL360(G3), DL560, ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2,5,29,30} , v2.4.9–E.12 ^{2,29} , v2.4.9–E.16 ^{2,29} , v2.4.9–E.9 ^{1,2,29} , Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2,29} , v2.4.9–e.16 ^{2,29}	QLogic QLA2342–E–SP ⁴	FC–AL, FC–SW	N	See ^{6,7,8}
102	Proliant: DL360(G3), DL560, ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2,5,29} , v2.4.9–E.12 ^{2,29} , v2.4.9–E.9 ^{2,29} , Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2310F–E–SP ^{4,20}	FC–AL, FC–SW	N	See ^{6,7,8}
103	Proliant: DL760 (G2), DL760 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2,5,29} , v2.4.9–E.12 ^{2,29}	QLogic QLA2200F–EMC ^{3,5}	FC–AL, FC–SW	N	See ^{7,8}
104	Proliant DL740	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2,5,29} , v2.4.9–E.12 ^{2,29} , v2.4.9–E.16 ^{2,29} , Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2,29} , v2.4.9–e.16 ^{2,29}	QLogic QLA2200F–EMC ^{3,5}	FC–AL, FC–SW	N	See ^{7,8}
105	Proliant: DL740, DL760 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{2,29} , v2.4.9–E.16 ^{2,29} , Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2,29} , v2.4.9–e.16 ^{2,29}	QLogic QLA2342–E–SP ⁴	FC–AL, FC–SW	N	See ⁸
106	Proliant: DL360(G3), DL560, ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{2,29} , v2.4.9–E.16 ^{2,29} , Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2,29} , v2.4.9–e.16 ^{2,29} , Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F–EMC ^{3,4,5}	FC–AL, FC–SW	N	See ^{6,7,8}
107	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{2,29} , v2.4.9–e.24 ² , v2.4.9–e.25 ^{2,54} , Red Hat Linux 2.1 ES v2.4.9–e.25 ^{2,54}	QLogic QLA2200F ^{4,33,34,35,40,41}	FC–AL, FC–SW	N	See ^{6,7,8}

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
108	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 29} , v2.4.9-e.24 ² , v2.4.9-e.25 ² ; Red Hat Linux: 2.1 ES v2.4.9-e.25 ² , 8.0 updated to v2.4.20-20.8²	IBM 19K1246(QLA2310) ^{4, 33, 34, 35, 42, 43}	FC-AL, FC-SW	N	See ^{6, 7, 8}
109	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 29} , v2.4.9-E.3 ^{1, 2, 3} , v2.4.9-e.24 ² , v2.4.9-e.25 ² ; Red Hat Linux: 2.1 ES v2.4.9-e.25 ² , 8.0 updated to v2.4.20-20.8²	IBM 00N6881 (QLA2200) ^{33, 34, 35, 43, 44, 45}	FC-AL, FC-SW	N	See ^{6, 7, 8}
110	Proliant DL760 (G2), DL760 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 29} , v2.4.9-E.3 ^{1, 2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 29} , v2.4.9-e.16 ^{2, 29}	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
111	Proliant DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54}	QLogic QLA2200F ^{4, 21, 25, 26, 36}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
112	Proliant DL740	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic QLA2200F-EMC ^{21, 26, 53}	FC-AL, FC-SW	N	See ^{7, 8}
113	Proliant DL760 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic QLA2200F-EMC ^{4, 21, 26, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}
114	Proliant DL360(G3), DL560, DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{4, 21, 25, 28, 53}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
115	Proliant DL740, DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{4, 25, 28, 53}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ⁸
116	Proliant DL740, DL760 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{4, 21, 25, 28, 34, 36, 53}	FC-AL, FC-SW	N	See ⁸
117	Proliant DL360(G3), DL560, DL740, DL760 (G2), ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{4, 21, 26, 53} , QLA2342-E-SP ^{4, 21, 25, 28, 34, 36, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}
118	Proliant DL740, DL760 (G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic: QLA2310F-E-SP ^{4, 21, 25, 28, 53} , QLA2340-E-SP ^{4, 25, 28, 53}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
119	Proliant DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{21, 47, 48, 49, 50, 51}	FC-AL, FC-SW	Y	See ⁷
120	Proliant DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP982-E ^{21, 36, 47, 49, 50, 51, 62, 69}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
121	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 4, 5, 25, 33, 34, 35, 53} , QLA2310F-E-SP ^{4, 20, 25, 33, 34, 35, 37, 53} , QLA2340-E-SP ^{4, 20, 33, 34, 35, 53} , QLA2342-E-SP ^{4, 34, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}
122	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{21, 36, 47, 49, 50, 51, 62, 69}	FC-AL, FC-SW	N	See ^{6, 7, 8}
123	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{47, 48, 50, 51}	FC-AL, FC-SW	Y	See ⁷
124	Proliant DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{1, 2, 3} , v2.4.9-E.9 ^{2, 29}	QLogic QLA2200F-EMC ^{4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}

HPQ - Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
125	Proliant DL740	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 29} , ES v2.4.9-e.12 ^{2, 29} , ES v2.4.9-e.16 ^{2, 29}	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
126	Proliant: DL560, DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 29} , ES v2.4.9-e.12 ^{2, 29} , ES v2.4.9-e.16 ^{2, 29}	QLogic QLA2200F ^{3, 4, 5, 33, 34, 35}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
127	Proliant: DL360(G3), DL560, DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 29} , ES v2.4.9-e.12 ^{2, 29} , ES v2.4.9-e.16 ^{2, 29}	QLogic QLA2310F-E-SP ^{4, 20}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
128	Proliant: DL740, DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 29} , ES v2.4.9-e.12 ^{2, 29} , ES v2.4.9-e.16 ^{2, 29}	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ⁸
129	Proliant DL740	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 29} , ES v2.4.9-e.12 ^{2, 29} , ES v2.4.9-e.16 ^{2, 29}	QLogic: QLA2200F ^{3, 4, 5, 33, 34, 35} , QLA2200F ^{4, 33, 34, 35}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
130	Proliant DL740	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 29} , ES v2.4.9-e.12 ^{2, 29} , ES v2.4.9-e.16 ^{2, 29}	QLogic: QLA2310F-E-SP ^{4, 20} , QLA2340-E-SP ⁴	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
131	Proliant DL760 (G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 29} , ES v2.4.9-e.12 ^{2, 29} , ES v2.4.9-e.16 ^{2, 29}	QLogic: QLA2310F-E-SP ^{4, 20} , QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
132	Proliant: DL360(G3), DL760 (G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 29} , ES v2.4.9-e.12 ^{2, 29} , ES v2.4.9-e.16 ^{2, 29} , Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F ^{3, 4, 5, 33, 34, 35}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
133	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.24 ² , ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex LP982-E ^{21, 36, 47, 49, 50, 51, 62, 69}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 24}	See ^{6, 7, 8}
134	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex: LP10000-E ^{36, 48, 50, 51, 52, 59, 60} , LP10000DC-E ^{4, 36, 48, 50, 51, 52, 59, 60} , LP1050-E ^{21, 36, 47, 48, 49, 50, 51, 70} , LP1050DC-E ^{21, 36, 47, 48, 49, 50, 51, 70}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	
135	Proliant: BL40p, DL740, DL760 (G2), DL760 ⁹	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{36, 48, 50, 51, 52, 59, 60} , LP10000DC-E ^{4, 36, 48, 50, 51, 52, 59, 60} , LP1050-E ^{21, 36, 47, 48, 49, 50, 51, 70} , LP1050DC-E ^{21, 36, 47, 48, 49, 50, 51, 70}	FC-AL, FC-SW	N	
136	Proliant: DL560, ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{36, 48, 50, 51, 52, 59, 60} , LP10000DC-E ^{4, 36, 48, 50, 51, 52, 59, 60} , LP1050-E ^{21, 36, 47, 48, 49, 50, 51, 70} , LP1050DC-E ^{21, 36, 47, 48, 49, 50, 51, 70}	FC-AL, FC-SW	N	See ⁵⁸
137	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Emulex LP982-E ^{21, 36, 49, 62}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19, 24, 31, 32, 63, 64, 65}	See ^{6, 7, 8}
138	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	IBM: 00N6881 (QLA2200) ^{33, 34, 35, 44, 45, 53} , 19K1246(QLA2310) ^{4, 33, 34, 35, 42, 53} , QLogic QLA2200F ^{4, 33, 34, 35, 40, 41, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}
139	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{4, 21, 25, 26, 36, 53}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
140	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{21, 36, 49, 62}	FC-AL, FC-SW	N	See ^{6, 7, 8}
141	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ² , ES v2.4.9-e.24 ² , ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{21, 36, 48, 49, 50, 51, 61}	FC-AL, FC-SW	Y	See ^{6, 7, 8}
142	Proliant: DL360(G3), DL760 (G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{66, 67}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
143	Proliant: DL560, DL740, DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{66, 67} ; QLogic QLA2200F	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
144	Proliant: DL740, DL760 (G2), DL760 ⁹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{66, 67} , QLogic QLA2200F-EMC ^{33, 34, 35}	FC-AL, FC-SW	N	See ^{7, 8}
145	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{66, 67} , QLogic: QLA2200F-EMC ⁴ , QLA2310F-E-SP ⁴ , QLA2342-E-SP ^{4, 35, 36}	FC-AL, FC-SW	N	See ^{6, 7, 8}
146	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	FC-AL, FC-SW	Y	See ^{6, 7, 8}
147	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{21, 36, 47, 48, 49, 50, 51}	FC-AL, FC-SW	Y	See ⁷
148	Proliant BL40p	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{21, 36, 47, 49, 50, 51, 62, 69}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 24}	See ^{6, 7, 8}

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
149	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{21, 36, 47, 49, 50, 51, 62, 69}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
150	Proliant BL40p	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{21, 36, 49, 62}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 24, 64}	See ^{6, 7, 8}
151	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{36, 48, 50, 51, 52, 59, 60} , LP1000DC-E ^{4, 36, 48, 50, 51, 52, 59, 60} , LP1050-E ^{21, 36, 47, 48, 49, 50, 51, 70} , LP1050DC-E ^{21, 36, 47, 48, 49, 50, 51, 70}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19}	
152	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 33, 34, 35}	FC-AL, FC-SW	N	See ^{6, 7, 8}
153	Proliant BL40p	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2310F-E-SP ^{4, 20, 25, 37}	FC-AL, FC-SW	N	See ^{6, 7, 8}
154	Proliant: DL760 (G2), DL760 ⁹	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic: QLA2200F-EMC ^{3, 5, 33, 34, 35} , QLA2200F ^{3, 4, 5, 33, 34, 35}	FC-AL, FC-SW	N	See ^{7, 8}
155	Proliant BL40p	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.12 ^{2, 29} , 8.0 updated to v2.4.20-20.8 ²	QLogic: QLA2200F-EMC ^{3, 4, 5, 25, 33, 34, 35} , QLA2310F-E-SP ^{4, 20, 25, 33, 34, 35, 37} , QLA2342-E-SP ⁴	FC-AL, FC-SW	N	See ^{6, 7, 8}
156	Proliant BL40p	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3, 38, 39} , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 33, 34, 35, 40, 41}	FC-AL, FC-SW	N	See ^{6, 7, 8}
157	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3} , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	See ^{6, 7, 8}
158	Proliant BL20p (G2)	PCI-X ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{27, 29} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{27, 29} , v2.4.9-E.3 ² , v2.4.9-E.9 ^{27, 29} , v2.4.9-E.24 ²⁷ , v2.4.9-E.25 ²⁷ , v2.4.9-E.27; Red Hat Linux 2.1 ES: v2.4.9-E.12 ^{27, 29} , v2.4.9-E.16 ^{27, 29} , v2.4.9-E.24 ²⁷ , v2.4.9-E.25 ²⁷ , v2.4.9-E.27; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	HPQ Dual-port mezzanine controller card	FC-AL, FC-SW	N	See ⁸
159	Proliant BL20p (G2)	PCI-X ⁴	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{66, 67}	FC-AL, FC-SW	N	See ⁸
160	Proliant BL20p (G2)	PCI-X ⁴	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	FC-AL, FC-SW	Y	See ⁸
161	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{2, 5, 29, 30}	QLogic QLA2200F-EMC ^{3, 4}	FC-AL, FC-SW	N	See ^{6, 7, 8}
162	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{2, 29}	QLogic QLA2340-E-SP ⁴	FC-AL, FC-SW	N	See ⁸
163	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic QLA2200F ^{3, 4, 5, 33, 34, 35}	FC-AL, FC-SW	Y ^{10, 12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
164	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic QLA2310F-E-SP ^{4, 20}	FC-AL, FC-SW	Y ^{10, 11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
165	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 3}	QLogic QLA2200F ^{3, 4, 5, 33, 34, 35}	FC-AL, FC-SW	Y ^{1, 10, 12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
166	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{2, 29}	QLogic QLA2200F-EMC ^{4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
167	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{2, 29}	QLogic QLA2200F-EMC ⁵	FC-AL, FC-SW	N	See ^{7, 8}
168	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 29} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29} , v2.4.9-E.9 ^{1, 2, 29} ; Red Hat Linux 2.1 ES: v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29}	QLogic QLA2342-E-SP ⁴	FC-AL, FC-SW	N	See ^{6, 7, 8}
169	Proliant: DL580(G2) ⁹ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 29} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.9 ^{2, 29}	QLogic QLA2200F ^{4, 33, 34, 35}	FC-AL, FC-SW	N	See ^{6, 7, 8}
170	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 29} , v2.4.9-E.9 ^{1, 2, 29}	QLogic QLA2340-E-SP ⁴	FC-AL, FC-SW	N	See ^{6, 7, 8}
171	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 29, 30} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29} , v2.4.9-E.9 ^{1, 2, 29} ; Red Hat Linux 2.1 ES: v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29}	QLogic QLA2342-E-SP ⁴	FC-AL, FC-SW	N	See ^{6, 7, 8}
172	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 29, 30} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.9 ^{2, 29} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2310F-E-SP ^{4, 20}	FC-AL, FC-SW	N	See ^{6, 7, 8}
173	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 29} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29} , v2.4.9-E.3 ^{2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3, 5}	FC-AL, FC-SW	N	See ^{7, 8}

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
174	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29} , v2.4.9-E.3 ^{1, 2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 29} , v2.4.9-e.16 ^{2, 29} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
175	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 29} , v2.4.9-E.9 ^{1, 2, 29}	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW	N	See ^{6, 7, 8}
176	Proliant: DL580(G2) ⁹ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54}	QLogic QLA2200F ^{4, 21, 25, 26, 36}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
177	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic QLA2200F-EMC ^{21, 26, 53}	FC-AL, FC-SW	N	See ^{7, 8}
178	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{4, 25, 28, 53}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ⁸
179	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{4, 21, 25, 28, 34, 36, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}
180	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{4, 21, 26, 53} , QLA2342-E-SP ^{4, 21, 25, 28, 34, 36, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}
181	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	QLogic: QLA2310F-E-SP ^{4, 21, 25, 28, 53} , QLA2340-E-SP ^{4, 25, 28, 53}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
182	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	Emulex LP9802DC-E ^{21, 47, 48, 49, 50, 51}	FC-AL, FC-SW	Y	See ⁷
183	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	Emulex LP982-E ^{21, 36, 47, 49, 50, 51, 62, 69}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
184	Proliant: DL580(G2) ⁹ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 29} , ES v2.4.9-e.12 ^{2, 29} , ES v2.4.9-e.16 ^{2, 29}	QLogic QLA2200F ^{3, 4, 5, 33, 34, 35}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
185	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 29} , ES v2.4.9-e.12 ^{2, 29} , ES v2.4.9-e.16 ^{2, 29}	QLogic QLA2340-E-SP ⁴	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ⁸
186	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 29} , ES v2.4.9-e.12 ^{2, 29} , ES v2.4.9-e.16 ^{2, 29}	QLogic: QLA2310F-E-SP ^{4, 20} , QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
187	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex: LP10000-E ^{36, 48, 50, 51, 52, 59, 60} , LP10000DC-E ^{4, 36, 48, 50, 51, 52, 59, 60} , LP1050-E ^{21, 36, 47, 48, 49, 50, 51, 70} , LP1050DC-E ^{21, 36, 47, 48, 49, 50, 51, 70}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	
188	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8²	Emulex: LP10000-E ^{36, 48, 50, 51, 52, 59, 60} , LP10000DC-E ^{4, 36, 48, 50, 51, 52, 59, 60} , LP1050-E ^{21, 36, 47, 48, 49, 50, 51, 70} , LP1050DC-E ^{21, 36, 47, 48, 49, 50, 51, 70}	FC-AL, FC-SW	N	See ⁵⁸
189	Proliant: DL580(G2) ⁹ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{4, 21, 25, 26, 36, 53}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
190	Proliant: DL580(G2) ⁹ , DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{66, 67} , QLogic QLA2200F	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 31, 32}	See ^{6, 7, 8}
191	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{66, 67} , QLogic QLA2200F-EMC	FC-AL, FC-SW	N	See ^{7, 8}
192	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{66, 67} , QLogic: QLA2200F-EMC, QLA2310F-E-SP ⁴ , QLA2342-E-SP ^{4, 35, 36}	FC-AL, FC-SW	N	See ^{6, 7, 8}
193	Proliant: DL580(G2) ⁹ , DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	FC-AL, FC-SW	Y	See ^{6, 7, 8}
194	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{21, 36, 47, 48, 49, 50, 51}	FC-AL, FC-SW	Y	See ⁷
195	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{21, 36, 47, 49, 50, 51, 62, 69}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
196	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{36, 48, 50, 51, 52, 59, 60} , LP10000DC-E ^{4, 36, 48, 50, 51, 52, 59, 60} , LP1050-E ^{21, 36, 47, 48, 49, 50, 51, 70} , LP1050DC-E ^{21, 36, 47, 48, 49, 50, 51, 70}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19}	
197	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 33, 34, 35}	FC-AL, FC-SW	N	See ^{7, 8}
198	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 33, 34, 35}	FC-AL, FC-SW	N	See ^{6, 7, 8}
199	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3} , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	See ^{6, 7, 8}
200	Netserver LH 3000; Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68, FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53; QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW ²	Y ^{10, 11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
201	Proliant 800	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW ²	Y ^{10, 11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
202	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3, 27}	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68, FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53; QLogic QLA2340-E-SP ^{4, 20, 25, 28}	FC-AL, FC-SW ²	Y ^{10, 11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
203	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 29} , v2.4.9-E.10 ^{2, 5, 29} , 30, v2.4.9-E.16 ^{2, 29} , v2.4.9-E.16 ^{2, 29} , v2.4.9-E.3 ^{1, 2, 3} , v2.4.9-E.9 ^{1, 2, 29} , v2.4.9-E.9 ^{2, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 29} , v2.4.9-e.16 ^{2, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68, FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
204	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 29} , v2.4.9-E.10 ^{2, 5, 29} , 30, v2.4.9-E.12 ^{2, 29} , v2.4.9-E.9 ^{2, 29} , Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
205	Proliant ML750 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 29} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29} , v2.4.9-E.9 ^{1, 2, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 29} , v2.4.9-e.16 ^{2, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68, FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
206	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 27, 29, 30} , v2.4.9-E.12 ^{2, 27, 29} , v2.4.9-E.16 ^{2, 27, 29} , v2.4.9-E.3 ^{1, 2, 3, 27} , v2.4.9-E.9 ^{2, 27, 29} , v2.4.9-e.24 ^{2, 27, 54} , v2.4.9-e.25 ^{2, 27, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 27, 29} , v2.4.9-e.16 ^{2, 27, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 27, 54} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68, FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
207	Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 800, 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380 ⁹ , DL580 ⁹ , ML350 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 29, 30} , v2.4.9-E.12 ^{2, 29} , Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
208	Proliant: 1600 ^{9, 22} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 23} , 6000 ^{9, 23} , 6400R ⁹ , 6500 ^{9, 23} , 7000 ^{9, 23} , 8000 ^{9, 23} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380 ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 29, 30} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29} , v2.4.9-E.3 ^{1, 2, 3} , v2.4.9-E.9 ^{1, 2, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 29} , v2.4.9-e.16 ^{2, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68, FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
209	Netserver LH 3000; Proliant: DL580(G2) ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 29, 30} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29} , v2.4.9-E.3 ^{1, 2, 3} , v2.4.9-E.9 ^{2, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 29} , v2.4.9-e.16 ^{2, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68, FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	N	See ^{6, 7, 8}

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
210	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: DL580(G2) ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ²⁷ , 5, 29, 30, v2.4.9-E.12 ² , 29, v2.4.9-E.9 ²⁷ , 29; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ⁴ , 20	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
211	Netserver LP 2000r	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ²⁷ , 29, v2.4.9-E.12 ²⁷ , 29, v2.4.9-E.16 ²⁷ , 27, 29, v2.4.9-E.3 ¹ , 2, 3, 27, v2.4.9-E.9 ²⁷ , 29, v2.4.9-E.24 ² , 27, 54, v2.4.9-E.25 ² , 27, 54, v2.4.9-E.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ² , 27, 29, v2.4.9-e.16 ² , 27, 29, v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 27, 54, v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
212	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ²⁷ , 29, v2.4.9-E.12 ²⁷ , 29, v2.4.9-E.16 ²⁷ , 27, 29, v2.4.9-E.9 ²⁷ , 29, v2.4.9-E.24 ² , 27, 54, v2.4.9-E.25 ² , 27, 54, v2.4.9-E.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ² , 27, 29, v2.4.9-e.16 ² , 27, 29, v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 27, 54, v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	Y11, 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
213	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ²⁷ , 29, v2.4.9-E.12 ²⁷ , 29, v2.4.9-E.16 ²⁷ , 27, 29, v2.4.9-E.3 ²⁷ , v2.4.9-E.9 ²⁷ , 29; Red Hat Linux 2.1 ES: v2.4.9-e.12 ²⁷ , 29, v2.4.9-e.16 ²⁷ , 29	QLogic QLA2340-E-SP ⁴ , 25, 28	FC-AL, FC-SW ²	Y11, 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
214	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ²⁷ , 29, v2.4.9-E.12 ²⁷ , 29, v2.4.9-E.16 ²⁷ , 29, v2.4.9-E.3 ²⁷ , v2.4.9-E.9 ²⁷ , 29, v2.4.9-E.24 ²⁷ , v2.4.9-E.25 ²⁷ , v2.4.9-E.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ²⁷ , 29, v2.4.9-e.16 ²⁷ , 29, v2.4.9-e.25 ²⁷ , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	N, Y11, 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
215	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ²⁷ , 29, v2.4.9-E.12 ²⁷ , 29, v2.4.9-E.9 ²⁷ , 29	QLogic QLA2340-E-SP ⁴ , 25, 28	FC-AL, FC-SW ²	Y11, 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
216	Netserver LH 3000; Proliant: 1600 ⁹ , 22, 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 23, 6000 ⁹ , 23, 6400R ⁹ , 6500 ⁹ , 23, 7000 ⁹ , 23, 8000 ⁹ , 23, 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ² , 29, v2.4.9-E.24 ² , 54, v2.4.9-E.25 ² , 54, v2.4.9-E.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ² , 29, v2.4.9-e.16 ² , 29, v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	Y11, 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
217	Proliant ML750 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ² , 29, v2.4.9-E.24 ² , 54, v2.4.9-E.25 ² , 54, v2.4.9-E.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ² , 29, v2.4.9-e.16 ² , 29, v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	Y11, 12, 13, 14, 15, 16, 17, 18, 19, 24	See ⁸
218	Proliant: ML350(G2) ⁹ , ML350(G3), ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ² , 29, v2.4.9-E.24 ² , 54, v2.4.9-E.25 ² , 54, v2.4.9-E.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ² , 29, v2.4.9-e.16 ² , 29, v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-E.27	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	Y11, 12, 13, 14, 15, 16, 17, 18, 19	See ⁸
219	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.24 ² , 27, 54, v2.4.9-E.25 ² , 27, 54, v2.4.9-E.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 27, 54, v2.4.9-E.27	QLogic QLA2340-E-SP ⁴ , 25, 28, 53	FC-AL, FC-SW ²	Y11, 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
220	Netserver LH 3000; Proliant: 1600 ⁹ , 22, 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 23, 6000 ⁹ , 23, 6400R ⁹ , 6500 ⁹ , 23, 7000 ⁹ , 23, 800, 8000 ⁹ , 23, 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.24 ² , 54, v2.4.9-E.25 ² , 54, v2.4.9-E.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-E.27	QLogic QLA2340-E-SP ⁴ , 25, 28, 53	FC-AL, FC-SW ²	Y11, 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
221	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.24 ²⁷ , v2.4.9-E.25 ²⁷ , v2.4.9-E.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ²⁷ , v2.4.9-E.27	QLogic QLA2340-E-SP ⁴ , 25, 28, 53	FC-AL, FC-SW ²	Y11, 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
222	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ² , 27, 29, ES v2.4.9-e.12 ² , 27, 29, ES v2.4.9-e.16 ² , 27, 29	QLogic QLA2340-E-SP ⁴ , 20, 25, 28	FC-AL, FC-SW ²	Y11, 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
223	Netserver LH 3000; Proliant: 1600 ⁹ , 22, 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 23, 6000 ⁹ , 23, 6400R ⁹ , 6500 ⁹ , 23, 7000 ⁹ , 23, 800, 8000 ⁹ , 23, 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ² , 29, ES v2.4.9-e.12 ² , 29, ES v2.4.9-e.16 ² , 29	QLogic QLA2340-E-SP ⁴ , 20	FC-AL, FC-SW ²	Y11, 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
224	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ⁹ , 22, 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ⁹ , 23, 6000 ⁹ , 23, 6400R ⁹ , 6500 ⁹ , 23, 7000 ⁹ , 23, 800, 8000 ⁹ , 23, 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2340-E-SP ⁴	FC-AL, FC-SW ²	N	See ^{6, 7, 8}

HPQ - Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
225	Proliant: ML350(G2) ⁹ , ML350(G3), ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹	PCI	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.10 ² , 5, 29, 30, 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ⁴ , 20	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
226	Proliant DL760 (G2)	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ² , 29	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	N	See ⁸
227	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ¹ , 2, 3	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53 QLogic QLA2340-E-SP ⁴ , 20	FC-AL, FC-SW ²	Y ^{10, 11} , 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
228	Proliant DL740	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ² , 29 v2.4.9-E.16 ² , 29 v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ² , 29, v2.4.9-e.16 ² , 29, v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
229	Proliant DL760 (G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ² , 29 v2.4.9-E.16 ² , 29 v2.4.9-E.3 ¹ , 2, 3 v2.4.9-E.9 ¹ , 2, 29 v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ² , 29, v2.4.9-e.16 ² , 29, v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
230	Proliant DL760 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ² , 29 v2.4.9-E.3 ¹ , 2, 3, v2.4.9-E.9 ¹ , 2, 29	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
231	Proliant: DL360(G3), DL560	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ² , 5, 29, 30, v2.4.9-E.12 ² , 29 Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ⁴ , 20	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
232	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ² , 5, 29, 30, v2.4.9-E.12 ² , 29 v2.4.9-E.16 ² , 29 v2.4.9-E.3 ¹ , 2, 3 v2.4.9-E.9 ¹ , 2, 29 v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ² , 29, v2.4.9-e.16 ² , 29, v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
233	Proliant: DL740, DL760 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ² , 29 v2.4.9-E.16 ² , 29 v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ² , 29, v2.4.9-e.16 ² , 29, v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	N	See ⁸
234	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ² , 29 v2.4.9-E.3 ¹ , 2, 3, 38, v2.4.9-e.24 ² , v2.4.9-e.25 ² , 54, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ² , 54, v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
235	Proliant: DL360(G3), DL560, DL740, DL760 (G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ² , 29 v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ² , 29, v2.4.9-e.16 ² , 29, v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
236	Proliant: DL740, DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ² , 29 v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ² , 29, v2.4.9-e.16 ² , 29, v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19	See ⁸
237	Proliant: DL360(G3), DL560	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 54, v2.4.9-e.25 ² , 54, v2.4.9-e.27	QLogic QLA2340-E-SP ⁴ , 25, 28, 53	FC-AL, FC-SW ²	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
238	Proliant: DL360(G3), DL560	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.16 ² , 29 ES v2.4.9-e.12 ² , 29 ES v2.4.9-e.16 ² , 29	QLogic QLA2340-E-SP ⁴ , 20	FC-AL, FC-SW ²	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
239	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2340-E-SP ⁴	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
240	Proliant ML570(G2)	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.10 ² , 5, 29, 30, 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ⁴ , 20	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
241	Proliant BL40p	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.3 ¹ , 2, 3, 38, 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ⁴ , 20, 33, 34, 35	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
242	Proliant BL40p	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.3 ¹ , 2, 3, 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ⁴ , 20	FC-AL, FC-SW ²	N	See ^{6, 7, 8}

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
243	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.31.2,3	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53, QLogic QLA2340-E-SP ⁴ , 20	FC-AL, FC-SW ²	Y ^{10, 11} , 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
244	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 29} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29} , v2.4.9-E.9 ^{1, 2, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 29} , v2.4.9-e.16 ^{2, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
245	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 29, 30} , v2.4.9-E.12 ^{2, 29} , v2.4.9-E.16 ^{2, 29} , v2.4.9-E.31.2, 3, v2.4.9-E.9 ^{1, 2, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 29} , v2.4.9-e.16 ^{2, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
246	Proliant DL580(G2) ⁹	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 29} , v2.4.9-e.16 ^{2, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19	See ⁸
247	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 29} , v2.4.9-e.16 ^{2, 29} , v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ^{2, 54} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ⁴ , 20, 34, 35, 43, 68 FCA2214DC (QLA2342) ⁴ , 20, 34, 35, 43, 53	FC-AL, FC-SW ²	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
248	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2340-E-SP ⁴	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
249	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.10 ^{2, 5, 29, 30} , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ⁴ , 20	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
250	Netserver LC: 2000 U3, 2000r; Netserver LP 2000r; Proliant: DL380(G3), DL580(G2) ⁹	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{21, 47, 48, 49, 50, 51}	FC-AL, FC-SW ³⁶	Y	See ^{6, 7, 8}
251	Proliant: DL360(G3), DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{21, 47, 48, 49, 50, 51}	FC-AL, FC-SW ³⁶	Y	See ^{6, 7, 8}
252	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{21, 47, 48, 49, 50, 51}	FC-AL, FC-SW ³⁶	Y	See ^{6, 7, 8}
253	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002DC-E ^{21, 36, 47, 48, 49, 50, 56, 57}	FC-AL, FC-SW ^{36, 52}	Y ^{13, 14} , 15, 16, 17, 18, 19	See ^{6, 7, 8}
254	Netserver LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{21, 47, 48, 49, 50, 51}	FC-AL, FC-SW ^{36, 52}	Y	See ^{6, 7, 8}
255	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{21, 36, 47, 48, 49, 50, 56, 57}	FC-AL, FC-SW ^{36, 52}	Y ^{12, 13} , 14, 15, 16, 17, 18, 19, 63	See ^{6, 7, 8}
256	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{21, 36, 47, 48, 49, 50, 51}	FC-AL, FC-SW ^{36, 52}	Y	See ^{6, 7, 8}
257	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002DC-E ^{21, 36, 47, 48, 49, 50, 56, 57}	FC-AL, FC-SW ^{36, 52}	Y ^{13, 14} , 15, 16, 17, 18, 19	See ^{6, 7, 8}

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
258	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{21, 36, 47, 48, 49, 50, 56, 57}	FC-AL, FC-SW ^{36, 52}	N	See ^{6, 7, 8}
259	Proliant DL560	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{21, 47, 48, 49, 50, 51}	FC-AL, FC-SW ^{36, 52}	Y	See ^{6, 7, 8}
260	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{47, 48, 49, 50, 51}	FC-AL, FC-SW ^{36, 52}	Y	See ^{6, 7, 8}
261	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{21, 36, 47, 48, 49, 50, 56, 57}	FC-AL, FC-SW ^{36, 52}	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 63}	See ^{6, 7, 8}
262	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{21, 36, 47, 48, 49, 50, 51}	FC-AL, FC-SW ^{36, 52}	Y	See ^{6, 7, 8}
263	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002DC-E ^{21, 36, 47, 48, 49, 50, 56, 57}	FC-AL, FC-SW ^{36, 52}	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
264	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{21, 36, 47, 48, 49, 50, 56, 57}	FC-AL, FC-SW ^{36, 52}	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 63}	See ^{6, 7, 8}
265	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{21, 36, 47, 48, 49, 50, 51}	FC-AL, FC-SW ^{36, 52}	Y	See ^{6, 7, 8}
266	Netserv LC: 2000 U3, 2000R; Netserv: LP 2000, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ^{21, 47, 48, 49, 50, 51, 55}	FC-AL, FC-SW ⁵²	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
267	Netserv LC: 2000 U3, 2000R; Netserv: LP 2000, LT 6000R; Proliant: 2500 ⁹ , 800, 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ²⁴	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002-E (LP9002L-E) ^{21, 47, 48, 49, 50, 51, 55}	FC-AL, FC-SW ⁵²	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 63}	See ^{6, 7, 8}
268	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ^{21, 47, 48, 49, 50, 51, 55}	FC-AL, FC-SW ⁵²	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
269	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002-E (LP9002L-E) ^{47, 48, 50, 51, 55}	FC-AL, FC-SW ⁵²	N	See ^{6, 7, 8}
270	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002-E (LP9002L-E) ^{21, 47, 48, 49, 50, 51, 55}	FC-AL, FC-SW ⁵²	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 63}	See ^{6, 7, 8}
271	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 54} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ^{21, 47, 48, 49, 50, 51, 55}	FC-AL, FC-SW ⁵²	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
272	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002-E (LP9002L-E) ^{21, 47, 48, 49, 50, 51, 55}	FC-AL, FC-SW ⁵²	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 63}	See ^{6, 7, 8}

- Requires v6.2.1 or higher Navisphere host agent/CLI.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supported with QLogic driver v6.05.00.
- Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
- Requires v6.0.5 or higher Navisphere host Agent/CLI.
- Not available for FC5700
- PowerPath supported. ATF/CDE not supported.
- CLARiiON FC4500 array is also supported for these configurations.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- This kernel is limited to 110 devices, not 128.
- Requires QLogic driver 4.47.18 driver disk, dd.img-i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Only one HBA is qualified for use in the Linux host when booting from the CLARiiON via fabric.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.

18. Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
19. For any CLARiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
20. **Requires BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
21. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
22. This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
23. Includes both Pentium PRO and XEON models
24. HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
25. **QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
26. Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
27. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
28. Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
29. This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
30. This system is supported with Red Hat 2.1 Advanced Server v2.4.9-E.3 and updated with v2.4.9-E.9, E.10, and E.12 RPMs.
31. Requires QLogic driver 4.47.18 and BIOS 1.83.
32. Install with driver provided by RedHat Installer and upgrade to the EMC-approved driver after installation.
33. **BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
34. Driver Version v6.05.00.
35. Driver Version v6.x series. Supports persistent binding and only supports Class 3.
36. Single HBA zoning is required regardless of the switch being utilized.
37. **Requires BIOS v1.83 for QLA2200F and BIOS v1.34 for QLA2310F, QLA2340-E-SP, and QLA2342-E-SP available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
38. The kernel version listed is included in the corresponding standard distributed release.
39. Requires v6.05 or higher Navisphere host agent/CLI.
40. For fabric boot support, install with driver provided by RedHat Installer and upgrade to the EMC-approved driver after installation.
41. Requires QLogic driver v6.05.00 and BIOS v1.83 for QLA2200F and BIOS v1.34 for QLA2310F, QLA2340-E-SP, and QLA2342-E-SP available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
42. This HBA is equivalent to the qLogic QLA2310.
43. Driver Version v6.04.02.
44. (QLA2200) For IBM xSeries and Netfinity servers only.
45. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
46. Dual port PCI-X fibre channel mezzanine card option is embedded. No PCI/PCI-X slots available.
47. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
48. **QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
49. Emulex driver and BIOS available from <http://www.emulex.com>.
50. Driver Version 1.23a.
51. FCode value 1.63a2.
52. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
53. Driver Version v6.04.01.
54. This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
55. The LP9002-E now ships with the LP9002L-E low profile adapter.
56. FCode value 1.63a.
57. Firmware Version 3.90a7.
58. Linux v2.4.x Kernels support a maximum of 128 devices per system.
59. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
60. Firmware Version 1.80a2.
61. Firmware Version 1.01a2.
62. Firmware Version 1.02a0.
63. Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.
64. This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
65. PowerPath v3.02 not supported on this system.
66. Driver Version v1.22e.
67. Firmware Version v3.90a7.
68. Driver Version v6.04.01. Supports persistent binding and only supports Class 3.
69. **QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
70. Firmware Version 1.80a3.

IBM

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ⁴ , 3, 5, 22, 33	QLogic QLA2200F-EMC ⁴ , 26, 28, 30, 36	FC-AL, FC-SW	N	See ^{6, 7, 8}
2	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁴ , 7100, 7600, 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ² , 5, 22, 33	QLogic QLA2200F-EMC ^{3, 4}	FC-AL, FC-SW	N	See ^{6, 7, 8}
3	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ¹ , 2, 3	IBM: 00N6881 (QLA2200) ^{26, 27, 28, 29, 30, 35} , 19K1246(QLA2310) ^{26, 27, 28, 30, 31} , 24P0960(QLA2340) ^{26, 27, 28, 30, 32}	FC-AL, FC-SW	Y ^{10, 13} , 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
4	Netfinity 7000 M10 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ¹ , 2, 3	IBM: 00N6881 (QLA2200) ^{26, 27, 28, 29, 30} , 19K1246(QLA2310) ^{26, 27, 28, 30, 31} , 24P0960(QLA2340) ^{26, 27, 28, 30, 32}	FC-AL, FC-SW	Y ^{10, 13} , 14, 15, 16, 17, 18, 19, 25	See ^{6, 7, 8}
5	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ¹ , 2, 3	IBM: 00N6881 (QLA2200) ^{26, 27, 28, 29, 30} , 19K1246(QLA2310) ^{26, 27, 28, 30, 31} , 24P0960(QLA2340) ^{26, 27, 28, 30, 32}	FC-AL, FC-SW	Y ^{10, 13} , 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
6	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ¹ , 2, 3	IBM: 19K1246(QLA2310) ^{26, 27, 28, 30, 31} , 24P0960(QLA2340) ^{26, 27, 28, 30, 32} , QLogic QLA2200F	FC-AL, FC-SW	Y ^{10, 13} , 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
7	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ¹ , 2, 3	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
8	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ^{24, 25} , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ¹ , 2, 3	QLogic QLA2200F ^{3, 4, 5, 26, 28, 30}	FC-AL, FC-SW	Y ^{10, 12} , 14, 15, 16, 17, 18, 19, 37, 38	See ^{6, 7, 8}
9	Netfinity 7000 M10 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ¹ , 2, 3	QLogic QLA2310F-E-SP ^{4, 20}	FC-AL, FC-SW	Y ^{10, 11} , 12, 13, 14, 15, 16, 17, 18, 19, 25	See ^{6, 7, 8}

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
10	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	QLogic QLA2310F–E–SP ^{4, 20}	FC–AL, FC–SW	Y ^{10, 11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
11	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	QLogic QLA2310F–E–SP ^{4, 20}	FC–AL, FC–SW	Y ^{10, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
12	Netfinity 6000R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ²	QLogic QLA2200F ^{4, 26, 28, 30}	FC–AL, FC–SW	Y ^{1, 3, 10, 12, 14, 15, 16, 17, 18, 19, 37, 38}	See ^{6, 7, 8}
13	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2, 33}	QLogic QLA2310F–E–SP ^{4, 26, 30}	FC–AL, FC–SW	N	See ^{6, 7, 8}
14	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2, 33}	QLogic QLA2340–E–SP ^{4, 20}	FC–AL, FC–SW	N	See ^{6, 7, 8}
15	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{2, 33}	QLogic QLA2200F–EMC ^{4, 5}	FC–AL, FC–SW	N	See ^{6, 7, 8}
16	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.16 ^{2, 33} , v2.4.9–E.9 ^{1, 2, 33} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 33} , v2.4.9–e.16 ^{2, 33}	IBM 19K1246(QLA2310) ^{4, 26, 27, 30, 31}	FC–AL, FC–SW	N	See ^{6, 7, 8}
17	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ^{24, 25} , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.9 ^{2, 33}	QLogic QLA2200F ^{4, 26, 28, 30}	FC–AL, FC–SW	N	See ^{6, 7, 8}
18	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 22, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.16 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 33} , v2.4.9–e.16 ^{2, 33}	QLogic QLA2310F–E–SP ^{4, 20, 26, 30}	FC–AL, FC–SW	N	See ^{6, 7, 8}
19	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 22, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.16 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 33} , v2.4.9–e.16 ^{2, 33} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	See ^{6, 7, 8}
20	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 22, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.16 ^{2, 33} , v2.4.9–E.3 ^{1, 2, 3} , v2.4.9–E.9 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 33} , v2.4.9–e.16 ^{2, 33}	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	See ^{6, 7, 8}
21	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁴ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 22, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.16 ^{2, 33} , v2.4.9–E.3 ^{1, 2, 3} , v2.4.9–E.9 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 33} , v2.4.9–e.16 ^{2, 33} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	See ^{6, 7, 8}
22	Netfinity 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 22, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.16 ^{2, 33} , v2.4.9–E.3 ^{1, 2, 3} , v2.4.9–E.9 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 33} , v2.4.9–e.16 ^{2, 33} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2310F–E–SP ^{4, 20} , QLA2342–E–SP	FC–AL, FC–SW	N	See ^{6, 7, 8}
23	Netfinity 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 22, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.16 ^{2, 33} , v2.4.9–E.3 ^{1, 2, 3} , v2.4.9–E.9 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 33} , v2.4.9–e.16 ^{2, 33} ; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	IBM: 00N6881 (QLA2200) ^{26, 27, 28, 29, 30} , 19K1246(QLA2310) ^{26, 27, 28, 30, 31} , 24P0960(QLA2340) ^{26, 27, 28, 30, 32}	FC–AL, FC–SW	N	See ^{6, 7, 8}
24	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 22, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.16 ^{2, 33} , v2.4.9–E.3 ^{2, 3} , v2.4.9–E.9 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 33} , v2.4.9–e.16 ^{2, 33} ; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F–EMC ⁴	FC–AL, FC–SW	N	See ^{6, 7, 8}
25	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 22, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.16 ^{2, 33} , v2.4.9–E.9 ^{1, 2, 33} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 33} , v2.4.9–e.16 ^{2, 33}	QLogic QLA2342–E–SP ⁴	FC–AL, FC–SW	N	See ^{6, 7, 8}

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
26	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ² , 5, 22, 33, v2.4.9-E.12 ² , 33, v2.4.9-E.g ² , 33	IBM: 19K1246(QLA2310) ^{26, 27, 28, 30, 31, 24P0960(QLA2340)^{26, 27, 28, 30, 32;} QLogic: QLA2200F, QLA2310F-E-SP⁴, 20}	FC-AL, FC-SW	N	See ^{6, 7, 8}
27	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ² , 5, 22, 33, v2.4.9-E.12 ² , 33, v2.4.9-E.g ² , 33; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	IBM 00N6881 (QLA2200) ^{26, 27, 28, 29, 30, 35;} QLogic QLA2310F-E-SP ⁴ , 20	FC-AL, FC-SW	N	See ^{6, 7, 8}
28	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁴ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ² , 5, 22, 33, v2.4.9-E.12 ² , 33, v2.4.9-E.g ² , 33; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	IBM 00N6881 (QLA2200) ^{26, 27, 28, 29, 30;} QLogic QLA2310F-E-SP ⁴ , 20	FC-AL, FC-SW	N	See ^{6, 7, 8}
29	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ² , 5, 22, 33, v2.4.9-E.12 ² , 33, v2.4.9-E.g ² , 33; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	IBM: 19K1246(QLA2310) ^{26, 27, 28, 30, 31, 24P0960(QLA2340)^{26, 27, 28, 30, 32;}}	FC-AL, FC-SW	N	See ^{6, 7, 8}
30	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ² , 33, v2.4.9-E.16 ² , 33; Red Hat Linux 2.1 ES: v2.4.9-e.12 ² , 33, v2.4.9-e.16 ² , 33	QLogic QLA2200F-EMC ³ , 4, 5, 26, 28, 30, 36	FC-AL, FC-SW	N	See ^{6, 7, 8}
31	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁴ , 7100, 7600, 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ² , 33, v2.4.9-E.16 ² , 33; Red Hat Linux 2.1 ES: v2.4.9-e.12 ² , 33, v2.4.9-e.16 ² , 33; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ³ , 4, 5	FC-AL, FC-SW	N	See ^{6, 7, 8}
32	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ² , 33, v2.4.9-E.3 ² , 3; Red Hat Linux 2.1 ES: v2.4.9-e.12 ² , 33, v2.4.9-e.16 ² , 33; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ³ , 4, 5, 26, 28, 30	FC-AL, FC-SW	N	See ^{6, 7, 8}
33	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43	QLogic QLA2200F ^{21, 36, 41, 51}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
34	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ^{24, 25} , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43	QLogic QLA2200F ^{4, 21, 36, 41, 51}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 37, 38}	See ^{6, 7, 8}
35	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43	QLogic QLA2200F ^{4, 21, 36, 41, 51}	FC-AL, FC-SW	N	See ^{6, 7, 8}
36	Netfinity 7000 M10 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43, v2.4.9-e.27	QLogic QLA2310F-E-SP ⁴ , 21, 36, 42, 53	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19, 25}	See ^{6, 7, 8}
37	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43, v2.4.9-e.27	QLogic QLA2310F-E-SP ⁴ , 21, 36, 42, 53	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
38	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43, v2.4.9-e.27	QLogic QLA2310F-E-SP ⁴ , 21, 36, 42, 53	FC-AL, FC-SW	Y ^{12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
39	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43, v2.4.9-e.27	QLogic QLA2342-E-SP ^{21, 26, 36, 42, 51, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}
40	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43, v2.4.9-e.27	QLogic: QLA2200F-EMC ^{4, 21, 41, 42} QLA2310F-E-SP ^{4, 21, 36, 42, 53} , QLA2342-E-SP ^{21, 26, 36, 42, 51, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}
41	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁴ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43, v2.4.9-e.27	QLogic: QLA2200F-EMC ^{4, 21, 41, 42} , QLA2342-E-SP ^{21, 26, 36, 42, 51, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}
42	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43, v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 43, v2.4.9-e.25 ² , 43, v2.4.9-e.27	QLogic: QLA2200F-EMC ^{4, 21, 41, 42} , QLA2342-E-SP ^{4, 21, 26, 36, 42, 51, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
43	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ²	IBM 19K1246(QLA2310) ⁴ , 21, 31, 36, 51, 53	FC-AL, FC-SW	N	See ^{6, 7, 8}
44	Netfinity 7000 M10 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ²	IBM: 00N6881 (QLA2200) ⁴ , 21, 29, 36, 41, 51, 52, 19K1246(QLA2310) ^{21, 31, 36, 51, 53} , 24P0960(QLA2340) ⁴ , 21, 32, 36, 51, 53	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 25}	See ^{6, 7, 8}
45	Netfinity 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ²	IBM: 00N6881 (QLA2200) ⁴ , 21, 29, 36, 41, 51, 52, 19K1246(QLA2310) ^{21, 31, 36, 51, 53} , 24P0960(QLA2340) ⁴ , 21, 32, 36, 51, 53	FC-AL, FC-SW	N	See ^{6, 7, 8}
46	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ²	IBM: 00N6881 (QLA2200) ⁴ , 21, 29, 36, 41, 51, 52, 19K1246(QLA2310) ^{21, 31, 36, 51, 53} , 24P0960(QLA2340) ⁴ , 21, 32, 36, 51, 53	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
47	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ²	IBM: 19K1246(QLA2310) ^{21, 31, 36, 51, 53} , 24P0960(QLA2340) ⁴ , 21, 32, 36, 51, 53	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
48	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802DC–E ^{21, 45, 46, 47, 48, 50}	FC-AL, FC-SW	Y	See ⁷
49	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802DC–E ^{21, 46, 47, 48, 50}	FC-AL, FC-SW	Y	See ⁷
50	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP982–E ^{21, 45, 47, 48, 50, 51, 71, 72}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
51	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{21, 45, 47, 48, 50, 51, 71, 72}	FC-AL, FC-SW	N	See ^{6, 7, 8}
52	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁴ , 7100, 7600, 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.3 ^{1, 2, 3} , v2.4.9–E.9 ^{4, 33}	QLogic QLA2200F–EMC ^{4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
53	Netfinity 8500R	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 33} , ES v2.4.9–e.12 ^{2, 33} , ES v2.4.9–e.16 ^{2, 33}	IBM: 00N6881 (QLA2200) ^{26, 27, 28, 29, 30, 35} , 19K1246(QLA2310) ^{26, 27, 28, 30, 31} , 24P0960(QLA2340) ^{26, 27, 28, 30, 32}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
54	Netfinity 7000 M10 ²⁴	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 33} , ES v2.4.9–e.12 ^{2, 33} , ES v2.4.9–e.16 ^{2, 33}	IBM: 00N6881 (QLA2200) ^{26, 27, 28, 29, 30} , 19K1246(QLA2310) ^{26, 27, 28, 30, 31} , 24P0960(QLA2340) ^{26, 27, 28, 30, 32}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 25}	See ^{6, 7, 8}
55	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 33} , ES v2.4.9–e.12 ^{2, 33} , ES v2.4.9–e.16 ^{2, 33}	IBM: 00N6881 (QLA2200) ^{26, 27, 28, 29, 30} , 19K1246(QLA2310) ^{26, 27, 28, 30, 31} , 24P0960(QLA2340) ^{26, 27, 28, 30, 32}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
56	xSeries X335	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 33} , ES v2.4.9–e.12 ^{2, 33} , ES v2.4.9–e.16 ^{2, 33}	IBM: 19K1246(QLA2310) ^{26, 27, 28, 30, 31} , 24P0960(QLA2340) ^{26, 27, 28, 30, 32} ; QLogic QLA2200F	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
57	Netfinity: 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁴ , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 33} , ES v2.4.9–e.12 ^{2, 33} , ES v2.4.9–e.16 ^{2, 33}	QLogic QLA2200F ^{3, 4, 5, 26, 28, 30}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 37, 38}	See ^{6, 7, 8}
58	Netfinity 6000R	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 33} , ES v2.4.9–e.12 ^{2, 33} , ES v2.4.9–e.16 ^{2, 33}	QLogic QLA2200F ^{4, 26, 28, 30}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 37, 38}	See ^{6, 7, 8}
59	Netfinity 7000 M10 ²⁴	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 33} , ES v2.4.9–e.12 ^{2, 33} , ES v2.4.9–e.16 ^{2, 33}	QLogic QLA2310F–E–SP ^{4, 20}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19, 25}	See ^{6, 7, 8}
60	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 33} , ES v2.4.9–e.12 ^{2, 33} , ES v2.4.9–e.16 ^{2, 33}	QLogic QLA2310F–E–SP ^{4, 20}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
61	xSeries X335	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 33} , ES v2.4.9–e.12 ^{2, 33} , ES v2.4.9–e.16 ^{2, 33}	QLogic QLA2310F–E–SP ^{4, 20}	FC-AL, FC-SW	Y ^{12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
62	Netfinity 5000; xSeries x255 ⁹	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.16 ^{2, 33} , ES v2.4.9–e.12 ^{2, 33} , ES v2.4.9–e.16 ^{2, 33} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2200F ^{3, 4, 5, 26, 28, 30}	FC-AL, FC-SW	Y ^{12, 14,} 15, 16, 17, 18, 19, 37, 38	See ^{6, 7, 8}
63	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27	Emulex: LP10000–E ^{46, 48, 49, 50, 51, 57, 58} LP10000DC–E ^{4, 46, 48, 49, 50, 51, 57, 58} , LP1050–E ^{21,} 45, 46, 47, 48, 50, 51, 73, LP1050DC–E ^{21, 45, 46, 47, 48,} 50, 51, 73	FC-AL, FC-SW	Y ^{13, 14,} 15, 16, 17, 18, 19	
64	Netfinity 8500	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{46, 48, 49, 50, 51, 57, 58} LP10000DC–E ^{4, 46, 48, 49, 50, 51, 57, 58} , LP1050–E ^{21,} 45, 46, 47, 48, 50, 51, 73, LP1050DC–E ^{21, 45, 46, 47, 48,} 50, 51, 73	FC-AL, FC-SW	N	
65	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{46, 48, 49, 50, 51, 57, 58} LP10000DC–E ^{4, 46, 48, 49, 50, 51, 57, 58} , LP1050–E ^{21,} 45, 46, 47, 48, 50, 51, 73, LP1050DC–E ^{21, 45, 46, 47, 48,} 50, 51, 73	FC-AL, FC-SW	N	See ⁵⁶
66	xSeries x345	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM 19K1246(QLA2310) ^{4, 21, 31, 36, 42, 51, 53} ; QLogic QLA2200F ^{4, 21, 36, 41, 42, 51}	FC-AL, FC-SW	N	See ^{6, 7, 8}
67	Netfinity 7000 M10 ²⁴	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM: 00N6881 (QLA2200) ^{4, 21, 29, 36, 41, 42, 51, 52,} 19K1246(QLA2310) ^{21, 31, 36, 42, 51, 53} 24P0960(QLA2340) ^{4, 21, 26, 32, 36, 42, 51, 53}	FC-AL, FC-SW	Y ^{13, 14,} 15, 16, 17, 18, 19, 25	See ^{6, 7, 8}
68	Netfinity 8500	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM: 00N6881 (QLA2200) ^{4, 21, 29, 36, 41, 42, 51, 52,} 19K1246(QLA2310) ^{21, 31, 36, 42, 51, 53} 24P0960(QLA2340) ^{4, 21, 26, 32, 36, 42, 51, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}
69	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM: 00N6881 (QLA2200) ^{4, 21, 29, 36, 41, 42, 51, 52,} 19K1246(QLA2310) ^{21, 31, 36, 42, 51, 53} 24P0960(QLA2340) ^{4, 21, 26, 32, 36, 42, 51, 53}	FC-AL, FC-SW	Y ^{13, 14,} 15, 16, 17, 18, 19	See ^{6, 7, 8}
70	xSeries X335	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM: 19K1246(QLA2310) ^{21, 31, 36, 42, 51, 53} 24P0960(QLA2340) ^{4, 21, 26, 32, 36, 42, 51, 53} ; QLogic QLA2200F ^{21, 36, 41, 42, 51}	FC-AL, FC-SW	Y ^{13, 14,} 15, 16, 17, 18, 19	See ^{6, 7, 8}
71	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ^{24, 25} , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F ^{4, 21, 36, 41, 42, 51}	FC-AL, FC-SW	Y ^{12, 14,} 15, 16, 17, 18, 19, 37, 38	See ^{6, 7, 8}
72	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ^{24, 25} , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{67, 68}	FC-AL, FC-SW	Y ^{12, 14,} 15, 16, 17, 18, 19, 37, 38, 66	See ^{6, 7, 8}
73	Netfinity 8500	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{67, 68} ; QLogic QLA2200F	FC-AL, FC-SW	Y ^{12, 14,} 15, 16, 17, 18, 19, 37, 38	See ^{6, 7, 8}
74	Netfinity 6000R	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{67, 68} ; QLogic QLA2200F ^{3, 4, 5, 26, 28, 30}	FC-AL, FC-SW	Y ^{12, 14,} 15, 16, 17, 18, 19, 37, 38	See ^{6, 7, 8}
75	Netfinity 8500R	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{67, 68} ; QLogic: QLA2200F–EMC ^{4, 26, 30} , QLA2310F–E–SP ⁴ , QLA2342–E–SP ^{4, 28, 51}	FC-AL, FC-SW	N	See ^{6, 7, 8}
76	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁴ , 7100, 7600, 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{67, 68} ; QLogic: QLA2200F–EMC ⁴ , QLA2310F–E–SP ⁴ , QLA2342–E–SP ^{4, 28, 51}	FC-AL, FC-SW	N	See ^{6, 7, 8}
77	xSeries x345	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{67, 68} ; QLogic: QLA2310F–E–SP ⁴ , QLA2342–E–SP ^{4, 28, 51}	FC-AL, FC-SW	N	See ^{6, 7, 8}
78	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ^{24, 25} , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x345, x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC-AL, FC-SW	Y	See ^{6, 7, 8}
79	Netfinity 7000 M10 ²⁴	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	IBM 00N6881 (QLA2200) ^{26, 27, 28, 29, 30}	FC-AL, FC-SW	Y ^{14, 15,} 16, 17, 18, 19, 25, 37, 66	See ^{6, 7, 8}
80	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	IBM 00N6881 (QLA2200) ^{26, 27, 28, 29, 30}	FC-AL, FC-SW	Y ^{14, 15,} 16, 17, 18, 19, 37, 66	See ^{6, 7, 8}
81	Netfinity 8500R	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	IBM 00N6881 (QLA2200) ^{26, 27, 28, 29, 30, 35}	FC-AL, FC-SW	Y ^{14, 15,} 16, 17, 18, 19, 37, 66	See ^{6, 7, 8}
82	Netfinity: 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ^{24,} ²⁵ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2200F	FC-AL, FC-SW	Y ^{12, 14,} 15, 16, 17, 18, 19, 37, 38	See ^{6, 7, 8}
83	Netfinity: 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x345, x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{21, 45, 46, 47, 48, 50, 51}	FC-AL, FC-SW	Y	See ⁷

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
84	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ²¹ , 45, 47, 48, 50, 51, 71, 72	FC–AL, FC–SW	Y ¹⁴ , 15, 16, 17, 18, 19	See ^{6, 7, 8}
85	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ⁴⁶ , 48, 49, 50, 51, 57, 58, LP10000DC–E ⁴ , 46, 48, 49, 50, 51, 57, 58, LP1050–E ²¹ , 45, 46, 47, 48, 50, 51, 73, LP1050DC–E ²¹ , 45, 46, 47, 48, 50, 51, 73	FC–AL, FC–SW	Y ¹⁴ , 15, 16, 17, 18, 19	
86	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁴ , 7100, 7600, 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ³ , 4, 5, 26, 28, 30	FC–AL, FC–SW	N	See ^{6, 7, 8}
87	xSeries x345	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2310F–E–SP ⁴ , 20	FC–AL, FC–SW	N	See ^{6, 7, 8}
88	Netfinity 8500R	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ³ , 4, 5, 26, 30, 36, QLA2200F ³ , 4, 5, 26, 28, 30	FC–AL, FC–SW	N	See ^{6, 7, 8}
89	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ¹ , 2, 3, 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	See ^{6, 7, 8}
90	xSeries: x360 ⁹ , x440 ^{22, 23}	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ² , 5, 22, 33	QLogic QLA2200F–EMC ³ , 4	FC–AL, FC–SW	N	See ^{6, 7, 8}
91	xSeries: x360 ⁹ , x440 ^{22, 23}	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ¹ , 2, 3	IBM: 00N6881 (QLA2200) ^{26, 27, 28, 29, 30} , 19K1246(QLA2310) ^{26, 27, 28, 30, 31} , 24P0960(QLA2340) ^{26, 27, 28, 30, 32}	FC–AL, FC–SW	Y ¹⁰ , 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
92	xSeries: x255 ⁹ , x360 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ¹ , 2, 3	QLogic QLA2200F ³ , 4, 5, 26, 28, 30	FC–AL, FC–SW	Y ¹⁰ , 12, 14, 15, 16, 17, 18, 19, 37, 38	See ^{6, 7, 8}
93	xSeries x440 ^{22, 23}	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ¹ , 2, 3	QLogic QLA2200F ³ , 4, 5, 28, 39, 40	FC–AL, FC–SW	Y ¹⁰ , 12, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
94	xSeries x255	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ¹ , 2, 3	QLogic QLA2310F–E–SP ⁴ , 20	FC–AL, FC–SW	Y ⁹ , 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
95	xSeries: x360 ⁹ , x440 ^{22, 23}	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ¹ , 2, 3	QLogic QLA2310F–E–SP ⁴ , 20	FC–AL, FC–SW	Y ¹⁰ , 11, 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
96	xSeries x235	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ¹ , 2, 3, 34	QLogic QLA2200F ³ , 4, 5, 26, 28, 30	FC–AL, FC–SW	Y ¹⁰ , 12, 14, 15, 16, 17, 18, 19, 37, 38	See ^{6, 7, 8}
97	xSeries x440 ^{22, 23}	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ²	QLogic QLA2200F ⁴ , 28, 39, 40	FC–AL, FC–SW	Y ¹ , 3, 10, 12, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
98	xSeries x235	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ² , 33, v2.4.9–E.12 ² , 33, v2.4.9–E.16 ² , 33, v2.4.9–E.9 ² , 33; Red Hat Linux 2.1 ES: v2.4.9–e.12 ² , 33, v2.4.9–e.16 ² , 33	IBM 19K1246(QLA2310) ³¹	FC–AL, FC–SW	N	See ^{7, 8}
99	xSeries: x235, x255 ⁹ , x360 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ² , 33, v2.4.9–E.12 ² , 33, v2.4.9–E.9 ² , 33	QLogic QLA2200F ⁴ , 26, 28, 30	FC–AL, FC–SW	N	See ^{6, 7, 8}
100	xSeries x440 ^{22, 23}	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ² , 33, v2.4.9–E.12 ² , 33, v2.4.9–E.9 ² , 33	QLogic QLA2200F ⁴ , 28, 39, 40	FC–AL, FC–SW	N	See ^{6, 7, 8}
101	xSeries x440 ^{22, 23}	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ² , 5, 22, 33, v2.4.9–E.12 ² , 33, v2.4.9–E.16 ² , 33, v2.4.9–E.3 ¹ , 2, 3, v2.4.9–E.9 ² , 33; Red Hat Linux 2.1 ES: v2.4.9–e.12 ² , 33, v2.4.9–e.16 ² , 33	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	See ^{6, 7, 8}
102	xSeries x360 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ² , 5, 22, 33, v2.4.9–E.12 ² , 33, v2.4.9–E.16 ² , 33, v2.4.9–E.3 ¹ , 2, 3, v2.4.9–E.9 ² , 33; Red Hat Linux 2.1 ES: v2.4.9–e.12 ² , 33, v2.4.9–e.16 ² , 33; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	See ^{6, 7, 8}
103	xSeries x440 ^{22, 23}	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ² , 5, 22, 33, v2.4.9–E.12 ² , 33, v2.4.9–E.9 ² , 33	IBM: 00N6881 (QLA2200) ^{26, 27, 28, 29, 30} , 19K1246(QLA2310) ^{26, 27, 28, 30, 31} , 24P0960(QLA2340) ^{26, 27, 28, 30, 32} ; QLogic QLA2310F–E–SP ⁴ , 20	FC–AL, FC–SW	N	See ^{6, 7, 8}
104	xSeries x360 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ² , 5, 22, 33, v2.4.9–E.12 ² , 33, v2.4.9–E.9 ² , 33; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	IBM 00N6881 (QLA2200) ^{26, 27, 28, 29, 30} , QLogic QLA2310F–E–SP ⁴ , 20	FC–AL, FC–SW	N	See ^{6, 7, 8}
105	xSeries x235	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ² , 5, 22, 33, v2.4.9–E.12 ² , 33, v2.4.9–E.9 ² , 33; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	See ^{7, 8}

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
106	xSeries x360 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 22, 33} , v2.4.9-E.12 ^{2, 33} , v2.4.9-E.9 ^{2, 33} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	IBM: 19K1246(QLA2310) ^{26, 27, 28, 30, 31, 24P0960(QLA2340)^{26, 27, 28, 30, 32}}	FC-AL, FC-SW	N	See ^{6, 7, 8}
107	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 22, 33} , v2.4.9-E.12 ^{2, 33} , v2.4.9-E.9 ^{2, 33} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic: QLA2200F-EMC ^{26, 28, 30} , QLA2310F-E-SP ^{26, 28, 30} , QLA2340-E-SP ^{26, 28, 30}	FC-AL, FC-SW	N	See ^{7, 8}
108	xSeries x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 33} , v2.4.9-E.16 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 33} , v2.4.9-e.16 ^{2, 33}	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
109	xSeries x360 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 33} , v2.4.9-E.16 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 33} , v2.4.9-e.16 ^{2, 33} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
110	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 33} , v2.4.9-E.3 ^{1, 2, 3, 34} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 33} , v2.4.9-e.16 ^{2, 33}	QLogic: QLA2200F-EMC ^{4, 5, 26, 28, 30} , QLA2310F-E-SP ^{4, 20, 26, 28, 30} , QLA2340-E-SP ^{4, 20, 26, 28, 30} , QLA2342-E-SP	FC-AL, FC-SW	N	See ^{6, 7, 8}
111	xSeries x255	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 33} , v2.4.9-E.3 ^{1, 2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 33} , v2.4.9-e.16 ^{2, 33}	QLogic: QLA2200F-EMC ^{4, 5} , QLA2342-E-SP	FC-AL, FC-SW	N	See ^{6, 7, 8}
112	xSeries x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ^{2, 43} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ^{2, 43}	QLogic QLA2200F ^{4, 21, 36, 41, 51}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
113	xSeries: x235, x255 ⁹ , x360 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ^{2, 43} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ^{2, 43}	QLogic QLA2200F ^{4, 21, 36, 41, 51}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 37, 38}	See ^{6, 7, 8}
114	xSeries x255	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ^{2, 43} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ^{2, 43} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{4, 21, 36, 42, 53}	FC-AL, FC-SW	Y ^{9, 11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
115	xSeries: x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ^{2, 43} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ^{2, 43} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{4, 21, 36, 42, 53}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
116	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ^{2, 43} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ^{2, 43} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{4, 21, 41, 42} , QLA2310F-E-SP ^{4, 21, 36, 42, 53} , QLA2340-E-SP ^{4, 36, 42, 53} , QLA2342-E-SP ^{21, 26, 36, 42, 51, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}
117	xSeries: x255, x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ^{2, 43} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ^{2, 43} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{4, 21, 41, 42} , QLA2342-E-SP ^{21, 26, 36, 42, 51, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}
118	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ²	IBM 19K1246(QLA2310) ^{21, 31, 36, 51, 53}	FC-AL, FC-SW	N	See ^{7, 8}
119	xSeries: x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ²	IBM: 00N6881 (QLA2200) ^{4, 21, 29, 36, 41, 51, 52} , 19K1246(QLA2310) ^{21, 31, 36, 51, 53} , 24P0960(QLA2340) ^{4, 21, 32, 36, 51, 53}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
120	xSeries: x255, x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{21, 45, 46, 47, 48, 50}	FC-AL, FC-SW	Y	See ⁷
121	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{21, 46, 47, 48, 50}	FC-AL, FC-SW	Y	See ⁷
122	xSeries: x255, x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP982-E ^{21, 45, 47, 48, 50, 51, 71, 72}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
123	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 43} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{21, 45, 47, 48, 50, 51, 71, 72}	FC-AL, FC-SW	N	See ^{6, 7, 8}
124	eServer BladeCenter HS20 (Model 8678) ⁶⁴	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{69, 70}	FC-AL, FC-SW	Y	
125	eServer BladeCenter HS20 (Model 8832) ⁶⁴	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁶⁵ , v2.4.9-e.25 ⁶⁵ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁶⁵ , v2.4.9-e.25 ⁶⁵ , v2.4.9-e.27	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{69, 70}	FC-AL, FC-SW	Y	
126	xSeries: x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{1, 2, 3} , v2.4.9-E.9 ^{2, 33}	QLogic QLA2200F-EMC ^{4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
127	xSeries: x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 33} , ES v2.4.9-e.12 ^{2, 33} , ES v2.4.9-e.16 ^{2, 33}	IBM: 00N6881 (QLA2200) ^{26, 27, 28, 29, 30} , 19K1246(QLA2310) ^{26, 27, 28, 30, 31} , 24P0960(QLA2340) ^{26, 27, 28, 30, 32}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
128	xSeries: x235, x255 ⁹ , x360 ⁹	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 33} , ES v2.4.9-e.12 ^{2, 33} , ES v2.4.9-e.16 ^{2, 33}	QLogic QLA2200F ^{3, 4, 5, 26, 28, 30}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 37, 38}	See ^{6, 7, 8}
129	xSeries x255	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 33} , ES v2.4.9-e.12 ^{2, 33} , ES v2.4.9-e.16 ^{2, 33}	QLogic QLA2310F-E-SP ^{4, 20}	FC-AL, FC-SW	Y ^{9, 11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
130	xSeries: x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 33} , ES v2.4.9-e.12 ^{2, 33} , ES v2.4.9-e.16 ^{2, 33}	QLogic QLA2310F-E-SP ^{4, 20}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
131	xSeries x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 33} , ES v2.4.9-e.12 ^{2, 33} , ES v2.4.9-e.16 ^{2, 33}	QLogic: QLA2200F ^{3, 4, 5, 28, 39, 40} , QLA2200F ^{4, 28, 39, 40}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
132	xSeries: x255, x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex: LP10000-E ^{46, 48, 49, 50, 51, 57, 58} , LP10000DC-E ^{4, 46, 48, 49, 50, 51, 57, 58} , LP1050-E ^{21, 45, 46, 47, 48, 50, 51, 73} , LP1050DC-E ^{21, 45, 46, 47, 48, 50, 51, 73}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	
133	xSeries x235	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{46, 48, 49, 50, 51, 57, 58} , LP10000DC-E ^{4, 46, 48, 49, 50, 51, 57, 58} , LP1050-E ^{21, 45, 46, 47, 48, 50, 51, 73} , LP1050DC-E ^{21, 45, 46, 47, 48, 50, 51, 73}	FC-AL, FC-SW	N	
134	xSeries: x360, x440	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{46, 48, 49, 50, 51, 57, 58} , LP10000DC-E ^{4, 46, 48, 49, 50, 51, 57, 58} , LP1050-E ^{21, 45, 46, 47, 48, 50, 51, 73} , LP1050DC-E ^{21, 45, 46, 47, 48, 50, 51, 73}	FC-AL, FC-SW	N	See ⁵⁶
135	xSeries x235	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	IBM 19K1246(QLA2310) ^{21, 31, 36, 42, 51, 53}	FC-AL, FC-SW	N	See ^{7, 8}
136	xSeries: x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	IBM: 00N6881 (QLA2200) ^{4, 21, 29, 36, 41, 42, 51, 52} , 19K1246(QLA2310) ^{21, 31, 36, 42, 51, 53} , 24P0960(QLA2340) ^{4, 21, 26, 32, 36, 42, 51, 53}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
137	xSeries x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{4, 21, 36, 41, 42, 51}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
138	xSeries: x235, x255 ⁹ , x360 ⁹	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{4, 21, 36, 41, 42, 51}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 37, 38}	See ^{6, 7, 8}
139	xSeries x360 ⁹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{67, 68}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 37, 38, 66}	See ^{6, 7, 8}
140	xSeries x235	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{67, 68} ; QLogic QLA2200F	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 37, 38}	See ^{6, 7, 8}
141	xSeries x255	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{67, 68} ; QLogic QLA2200F	FC-AL, FC-SW	Y ^{9, 12, 14, 15, 16, 17, 18, 19, 37, 38}	See ^{6, 7, 8}
142	xSeries x235	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{67, 68} ; QLogic QLA2342-E-SP ^{4, 28, 51}	FC-AL, FC-SW	N	See ^{7, 8}
143	xSeries x360 ⁹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{67, 68} ; QLogic: QLA2200F-EMC ⁴ , QLA2310F-E-SP ⁴ , QLA2342-E-SP ^{4, 28, 51}	FC-AL, FC-SW	N	See ^{6, 7, 8}
144	xSeries: x235, x255, x360 ⁹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	FC-AL, FC-SW	Y	See ^{6, 7, 8}
145	xSeries x360 ⁹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	IBM 00N6881 (QLA2200) ^{26, 27, 28, 29, 30}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 37, 66}	See ^{6, 7, 8}
146	xSeries x360	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F	FC-AL, FC-SW	Y ^{9, 12, 14, 15, 16, 17, 18, 19, 37, 38}	See ^{6, 7, 8}
147	xSeries: x235, x255, x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{21, 45, 46, 47, 48, 50, 51}	FC-AL, FC-SW	Y	See ⁷
148	xSeries: x255, x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{21, 45, 47, 48, 50, 51, 71, 72}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
149	xSeries: x255, x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{46, 48, 49, 50, 51, 57, 58} , LP10000DC-E ^{4, 46, 48, 49, 50, 51, 57, 58} , LP1050-E ^{21, 45, 46, 47, 48, 50, 51, 73} , LP1050DC-E ^{21, 45, 46, 47, 48, 50, 51, 73}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19}	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
150	xSeries x235	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 26, 28, 30}	FC-AL, FC-SW	N	See ^{7, 8}
151	xSeries x360 ⁹	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 26, 28, 30}	FC-AL, FC-SW	N	See ^{6, 7, 8}
152	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ^{2, 5, 22, 33}	QLogic QLA2200F–EMC ^{3, 4}	FC-AL, FC-SW	N	See ^{6, 7, 8}
153	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	IBM: 00N6881 (QLA2200) ^{26, 27, 28, 29, 30, 19K1246(QLA2310)^{26, 27, 28, 30, 31} 24P0960(QLA2340)^{26, 27, 28, 30, 32}}	FC-AL, FC-SW	Y ^{10, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
154	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	QLogic QLA2310F–E–SP ^{4, 20}	FC-AL, FC-SW	Y ^{10, 11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
155	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ²	QLogic QLA2200F ^{4, 5, 28, 39, 40}	FC-AL, FC-SW	Y ^{1, 3, 10, 12, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
156	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.9 ^{2, 33}	QLogic QLA2200F ^{4, 28, 39, 40}	FC-AL, FC-SW	N	See ^{6, 7, 8}
157	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 22, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.16 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 33} , v2.4.9–e.16 ^{2, 33} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2310F–E–SP ^{4, 20}	FC-AL, FC-SW	N	See ^{7, 8}
158	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 22, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.16 ^{2, 33} , v2.4.9–E.3 ^{1, 2, 3} , v2.4.9–E.9 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 33} , v2.4.9–e.16 ^{2, 33}	QLogic QLA2342–E–SP	FC-AL, FC-SW	N	See ^{6, 7, 8}
159	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 22, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.9 ^{2, 33}	IBM: 00N6881 (QLA2200) ^{26, 27, 28, 29, 30, 19K1246(QLA2310)^{26, 27, 28, 30, 31} 24P0960(QLA2340)^{26, 27, 28, 30, 32}; QLogic QLA2310F–E–SP^{4, 20}}	FC-AL, FC-SW	N	See ^{6, 7, 8}
160	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{2, 33} , v2.4.9–E.16 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{2, 33} , v2.4.9–e.16 ^{2, 33}	QLogic QLA2200F–EMC ^{3, 4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
161	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43}	QLogic QLA2200F ^{4, 21, 36, 41, 51}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
162	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27	QLogic QLA2310F–E–SP ^{4, 21, 36, 42, 53}	FC-AL, FC-SW	N	See ^{7, 8}
163	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27	QLogic QLA2310F–E–SP ^{4, 21, 36, 42, 53}	FC-AL, FC-SW	Y ^{11, 12, 13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
164	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27	QLogic: QLA2200F–EMC ^{4, 21, 41, 42} , QLA2342–E–SP ^{21, 26, 36, 42, 51, 53}	FC-AL, FC-SW	N	See ^{6, 7, 8}
165	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ²	IBM: 00N6881 (QLA2200) ^{4, 21, 29, 36, 41, 51, 52} , 19K1246(QLA2310) ^{21, 31, 36, 51, 53} 24P0960(QLA2340) ^{4, 21, 32, 36, 51, 53}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
166	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802DC–E ^{21, 45, 46, 47, 48, 50}	FC-AL, FC-SW	Y	See ⁷
167	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802DC–E ^{21, 46, 47, 48, 50}	FC-AL, FC-SW	Y	See ⁷
168	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP982–E ^{21, 45, 47, 48, 50, 51, 71, 72}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
169	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{21, 45, 47, 48, 50, 51, 71, 72}	FC-AL, FC-SW	N	See ^{7, 8}

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
170	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{1, 2, 3} , v2.4.9-E.9 ^{2, 33}	QLogic QLA2200F-EMC ^{4, 5}	FC-AL, FC-SW	N	See ^{6, 7, 8}
171	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 33} , ES v2.4.9-e.12 ^{2, 33} , ES v2.4.9-e.16 ^{2, 33}	IBM: 00N6881 (QLA2200) ^{26, 27, 28, 29, 30} , 19K1246(QLA2310) ^{26, 27, 28, 30, 31} , 24P0960(QLA2340) ^{26, 27, 28, 30, 32}	FC-AL, FC-SW	Y ^{13, 14} , 15, 16, 17, 18, 19	See ^{6, 7, 8}
172	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 33} , ES v2.4.9-e.12 ^{2, 33} , ES v2.4.9-e.16 ^{2, 33}	QLogic QLA2200F ^{3, 4, 5, 28, 39, 40}	FC-AL, FC-SW	Y ^{12, 14} , 15, 16, 17, 18, 19	See ^{6, 7, 8}
173	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 33} , ES v2.4.9-e.12 ^{2, 33} , ES v2.4.9-e.16 ^{2, 33}	QLogic QLA2310F-E-SP ^{4, 20}	FC-AL, FC-SW	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
174	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex: LP10000-E ^{46, 48, 49, 50, 51, 57, 58} , LP10000DC-E ^{4, 46, 48, 49, 50, 51, 57, 58} , LP1050-E ²¹ , 45, 46, 47, 48, 50, 51, 73, LP1050DC-E ^{21, 45, 46, 47, 48,} 50, 51, 73	FC-AL, FC-SW	Y ^{13, 14} , 15, 16, 17, 18, 19	
175	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{46, 48, 49, 50, 51, 57, 58} , LP10000DC-E ^{4, 46, 48, 49, 50, 51, 57, 58} , LP1050-E ²¹ , 45, 46, 47, 48, 50, 51, 73, LP1050DC-E ^{21, 45, 46, 47, 48,} 50, 51, 73	FC-AL, FC-SW	N	
176	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{46, 48, 49, 50, 51, 57, 58} , LP10000DC-E ^{4, 46, 48, 49, 50, 51, 57, 58} , LP1050-E ²¹ , 45, 46, 47, 48, 50, 51, 73, LP1050DC-E ^{21, 45, 46, 47, 48,} 50, 51, 73	FC-AL, FC-SW	N	See ⁵⁶
177	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	IBM: 00N6881 (QLA2200) ^{4, 21, 29, 36, 41, 42, 51, 52} , 19K1246(QLA2310) ^{21, 31, 36, 42, 51, 53} , 24P0960(QLA2340) ^{4, 21, 26, 32, 36, 42, 51, 53}	FC-AL, FC-SW	Y ^{13, 14} , 15, 16, 17, 18, 19	See ^{6, 7, 8}
178	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{4, 21, 36, 41, 42, 51}	FC-AL, FC-SW	Y ^{12, 14} , 15, 16, 17, 18, 19	See ^{6, 7, 8}
179	xSeries x345	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{67, 68} ; QLogic QLA2200F	FC-AL, FC-SW	N	See ^{6, 7, 8}
180	xSeries x345	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	FC-AL, FC-SW	Y	See ^{6, 7, 8}
181	xSeries x345	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2310F-E-SP ⁴	FC-AL, FC-SW	N	See ^{7, 8}
182	xSeries: x345, x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{21, 45, 46, 47, 48, 50, 51}	FC-AL, FC-SW	Y	See ⁷
183	xSeries x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{21, 45, 47, 48, 50, 51, 71, 72}	FC-AL, FC-SW	Y ^{14, 15} , 16, 17, 18, 19	See ^{6, 7, 8}
184	xSeries x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{46, 48, 49, 50, 51, 57, 58} , LP10000DC-E ^{4, 46, 48, 49, 50, 51, 57, 58} , LP1050-E ²¹ , 45, 46, 47, 48, 50, 51, 73, LP1050DC-E ^{21, 45, 46, 47, 48,} 50, 51, 73	FC-AL, FC-SW	Y ^{14, 15} , 16, 17, 18, 19	
185	xSeries x345	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 26, 28, 30}	FC-AL, FC-SW	N	See ^{7, 8}
186	Netfinity 7000 M10 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW ²	Y ^{10, 11} , 12, 13, 14, 15, 16, 17, 18, 19, 25	See ^{6, 7, 8}
187	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW ²	Y ^{10, 11} , 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
188	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW ²	Y ^{10, 12} , 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
189	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 22, 33} , v2.4.9-E.12 ^{2, 33} , Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
190	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 22, 33} , v2.4.9-E.12 ^{2, 33} , v2.4.9-E.16 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 33} , v2.4.9-e.16 ^{2, 33} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
191	Netfinity 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 22, 33} , v2.4.9-E.12 ^{2, 33} , v2.4.9-E.16 ^{2, 33} , v2.4.9-E.3 ^{1, 2, 3} , v2.4.9-E.9 ^{2, 33} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 33} , v2.4.9-e.16 ^{2, 33} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
192	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 22, 33} , v2.4.9-E.12 ^{2, 33} , v2.4.9-E.9 ^{2, 33}	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW ²	N	See ^{6, 7, 8}
193	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁴ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 5, 22, 33} , v2.4.9-E.12 ^{2, 33} , v2.4.9-E.9 ^{2, 33} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{4, 20}	FC-AL, FC-SW ²	N	See ^{6, 7, 8}

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
194	Netfinity 7000 M10 ²⁴	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27	QLogic QLA2340–E–SP ⁴ , 36, 42, 53	FC–AL, FC–SW ²	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19, 25	See ^{6, 7, 8}
195	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27	QLogic QLA2340–E–SP ⁴ , 36, 42, 53	FC–AL, FC–SW ²	N	See ^{6, 7, 8}
196	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27	QLogic QLA2340–E–SP ⁴ , 36, 42, 53	FC–AL, FC–SW ²	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
197	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27	QLogic QLA2340–E–SP ⁴ , 36, 42, 53	FC–AL, FC–SW ²	Y ^{12, 13} , 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
198	Netfinity 7000 M10 ²⁴	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 33} , ES v2.4.9–e.12 ^{2, 33} , ES v2.4.9–e.16 ^{2, 33}	QLogic QLA2340–E–SP ⁴ , 20	FC–AL, FC–SW ²	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19, 25	See ^{6, 7, 8}
199	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 33} , ES v2.4.9–e.12 ^{2, 33} , ES v2.4.9–e.16 ^{2, 33}	QLogic QLA2340–E–SP ⁴ , 20	FC–AL, FC–SW ²	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
200	xSeries X335	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 33} , ES v2.4.9–e.12 ^{2, 33} , ES v2.4.9–e.16 ^{2, 33}	QLogic QLA2340–E–SP ⁴ , 20	FC–AL, FC–SW ²	Y ^{12, 13} , 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
201	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁴ , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x345, x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2340–E–SP ⁴	FC–AL, FC–SW ²	N	See ^{6, 7, 8}
202	xSeries x255	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	QLogic QLA2340–E–SP ⁴ , 20	FC–AL, FC–SW ²	Y ^{9, 10} , 11, 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
203	xSeries: x360 ⁹ , x440 ^{22, 23}	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	QLogic QLA2340–E–SP ⁴ , 20	FC–AL, FC–SW ²	Y ^{10, 11} , 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
204	xSeries x440 ^{22, 23}	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 22, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.9 ^{2, 33}	QLogic QLA2340–E–SP ⁴ , 20	FC–AL, FC–SW ²	N	See ^{6, 7, 8}
205	xSeries x360 ⁹	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 22, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.9 ^{2, 33} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2340–E–SP ⁴ , 20	FC–AL, FC–SW ²	N	See ^{6, 7, 8}
206	xSeries x255	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27	QLogic QLA2340–E–SP ⁴ , 36, 42, 53	FC–AL, FC–SW ²	Y ^{9, 11} , 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
207	xSeries: x360 ⁹ , x440 ^{22, 23}	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27	QLogic QLA2340–E–SP ⁴ , 36, 42, 53	FC–AL, FC–SW ²	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
208	xSeries x255	PCI–X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 33} , ES v2.4.9–e.12 ^{2, 33} , ES v2.4.9–e.16 ^{2, 33}	QLogic QLA2340–E–SP ⁴ , 20	FC–AL, FC–SW ²	Y ^{9, 11} , 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
209	xSeries: x360 ⁹ , x440 ^{22, 23}	PCI–X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 33} , ES v2.4.9–e.12 ^{2, 33} , ES v2.4.9–e.16 ^{2, 33}	QLogic QLA2340–E–SP ⁴ , 20	FC–AL, FC–SW ²	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
210	xSeries x360 ⁹	PCI–X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2340–E–SP ⁴	FC–AL, FC–SW ²	N	See ^{6, 7, 8}
211	xSeries x445	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3}	QLogic QLA2340–E–SP ⁴ , 20	FC–AL, FC–SW ²	Y ^{10, 11} , 12, 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
212	xSeries x445	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 5, 22, 33} , v2.4.9–E.12 ^{2, 33} , v2.4.9–E.9 ^{2, 33}	QLogic QLA2340–E–SP ⁴ , 20	FC–AL, FC–SW ²	N	See ^{6, 7, 8}
213	xSeries x445	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ^{2, 43} , v2.4.9–e.27	QLogic QLA2340–E–SP ⁴ , 36, 42, 53	FC–AL, FC–SW ²	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}
214	xSeries x445	PCI, PCI–X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{2, 33} , ES v2.4.9–e.12 ^{2, 33} , ES v2.4.9–e.16 ^{2, 33}	QLogic QLA2340–E–SP ⁴ , 20	FC–AL, FC–SW ²	Y ^{11, 12} , 13, 14, 15, 16, 17, 18, 19	See ^{6, 7, 8}

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
215	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002-E (LP9002L-E) ^{21, 44, 45, 46, 47, 48, 50}	FC-AL, FC-SW ⁴⁹	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
216	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002-E (LP9002L-E) ^{21, 44, 46, 47, 48, 50}	FC-AL, FC-SW ⁴⁹	N	See ^{6, 7, 8}
217	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002-E (LP9002L-E) ^{21, 44, 45, 46, 47, 48, 50}	FC-AL, FC-SW ⁴⁹	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 74}	See ^{6, 7, 8}
218	xSeries: x255, x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002-E (LP9002L-E) ^{21, 44, 45, 46, 47, 48, 50}	FC-AL, FC-SW ⁴⁹	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
219	xSeries x255	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002-E (LP9002L-E) ^{21, 44, 45, 46, 47, 48, 50}	FC-AL, FC-SW ⁴⁹	Y ^{9, 12, 13, 14, 15, 16, 17, 18, 19, 74}	See ^{6, 7, 8}
220	xSeries: x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002-E (LP9002L-E) ^{21, 44, 45, 46, 47, 48, 50}	FC-AL, FC-SW ⁴⁹	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 74}	See ^{6, 7, 8}
221	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002-E (LP9002L-E) ^{21, 44, 45, 46, 47, 48, 50}	FC-AL, FC-SW ⁴⁹	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
222	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002-E (LP9002L-E) ^{21, 44, 46, 47, 48, 50}	FC-AL, FC-SW ⁴⁹	N	See ^{7, 8}
223	xSeries x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002-E (LP9002L-E) ^{21, 44, 45, 46, 47, 48, 50}	FC-AL, FC-SW ⁴⁹	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 74}	See ^{6, 7, 8}
224	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC-E ^{21, 45, 46, 47, 50, 51, 54, 55}	FC-AL, FC-SW ^{49, 51}	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
225	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC-E ^{21, 45, 46, 47, 50, 51, 54, 55}	FC-AL, FC-SW ^{49, 51}	N	See ^{6, 7, 8}
226	Netfinity 8500R; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802-E ^{21, 45, 46, 47, 48, 50}	FC-AL, FC-SW ^{49, 51}	Y	See ^{6, 7, 8}
227	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC-E ^{21, 45, 46, 47, 50, 51, 54, 55}	FC-AL, FC-SW ^{49, 51}	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 74}	See ^{6, 7, 8}
228	Netfinity: 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x345, x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802-E ^{21, 45, 46, 47, 48, 50, 51}	FC-AL, FC-SW ^{49, 51}	Y	See ^{6, 7, 8}
229	xSeries: x255, x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC-E ^{21, 45, 46, 47, 50, 51, 54, 55}	FC-AL, FC-SW ^{49, 51}	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
230	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP9002-E (LP9002L-E) ^{21, 44, 46, 47, 48, 50, 51} , LP9002DC-E ^{21, 45, 46, 47, 50, 51, 54, 55}	FC-AL, FC-SW ^{49, 51}	N	See ^{6, 7, 8}
231	xSeries x440 ^{22, 23}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802-E ^{21, 45, 46, 47, 48, 50}	FC-AL, FC-SW ^{49, 51}	Y	See ^{6, 7, 8}

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
232	xSeries x255	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{21, 45, 46, 47, 50, 51, 54, 55}	FC–AL, FC–SW ^{49, 51}	Y ^{9, 12, 13, 14, 15, 16, 17, 18, 19, 74}	See ^{6, 7, 8}
233	xSeries: x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{21, 45, 46, 47, 50, 51, 54, 55}	FC–AL, FC–SW ^{49, 51}	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 74}	See ^{6, 7, 8}
234	xSeries: x235, x255, x360 ⁹ , x440 ^{22, 23}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{21, 45, 46, 47, 48, 50, 51}	FC–AL, FC–SW ^{49, 51}	Y	See ^{6, 7, 8}
235	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ^{21, 45, 46, 47, 50, 51, 54, 55}	FC–AL, FC–SW ^{49, 51}	Y ^{13, 14, 15, 16, 17, 18, 19}	See ^{6, 7, 8}
236	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 43} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{21, 45, 46, 47, 50, 51, 54, 55}	FC–AL, FC–SW ^{49, 51}	N	See ^{7, 8}
237	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{21, 45, 46, 47, 48, 50}	FC–AL, FC–SW ^{49, 51}	Y	See ^{7, 8}
238	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{21, 45, 46, 47, 48, 50}	FC–AL, FC–SW ^{49, 51}	Y	See ^{6, 7, 8}
239	xSeries x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{21, 45, 46, 47, 50, 51, 54, 55}	FC–AL, FC–SW ^{49, 51}	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 74}	See ^{6, 7, 8}
240	xSeries x345	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{21, 45, 46, 47, 48, 50, 51}	FC–AL, FC–SW ^{49, 51}	Y	See ^{7, 8}
241	xSeries x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{21, 45, 46, 47, 48, 50, 51}	FC–AL, FC–SW ^{49, 51}	Y	See ^{6, 7, 8}
242	Netfinity 8500: xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ⁹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{21, 45, 46, 47, 48, 50}	FC–AL, FC–SW ⁵	Y	See ^{6, 7, 8}
243	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{21, 45, 46, 47, 48, 50}	FC–AL, FC–SW ⁵	Y	See ^{6, 7, 8}
244	xSeries: x235, x255, x360 ⁹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{21, 45, 46, 47, 48, 50}	FC–AL, FC–SW ⁵	Y	See ^{6, 7, 8}
245	eServer BladeCenter HS20 (Model 8678) ⁶⁴	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	IBM HS20 FC Exp Card(48P7061) with Optical Pass–thru Module: 02R9080 ^{59, 60, 61, 62, 63} , 02R9080 ^{61, 62}	FC–SW	Y	
246	eServer BladeCenter HS20 (Model 8832) ⁶⁴	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁶⁵ , v2.4.9–e.25 ⁶⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁶⁵ , v2.4.9–e.25 ⁶⁵ , v2.4.9–e.27	IBM HS20 FC Exp Card(48P7061) with Optical Pass–thru Module: 02R9080 ^{59, 60, 61, 62, 63} , 02R9080 ^{61, 62}	FC–SW	Y	

- Requires v6.2.1 or higher Navisphere host agent/CLI.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supported with QLogic driver v6.05.00.
- Host must be offline for CLARiiON–licensed (Flare) upgrade and Storage Processor replacement.
- Requires v6.0.5 or higher Navisphere host Agent/CLI.
- Not available for FC5700
- PowerPath supported. ATF/CDE not supported.
- CLARiiON FC4500 array is also supported for these configurations.
- PowerPath v3.02 not supported on this system.
- This kernel is limited to 110 devices, not 128.
- Requires QLogic driver 4.47.18 driver disk, dd.img–i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Only one HBA is qualified for use in the Linux host when booting from the CLARiiON via fabric.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- Requires BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- This system is supported with Red Hat 2.1 Advanced Server v2.4.9–E.3 and updated with v2.4.9–E.9, E.10, and E.12 RPMs.

23. PowerPath v3.0.2 b069 is not supported on this system.
24. This server only supports 5 Volt HBAs: qLogic 22XX family, qLogic 23XX family, Emulex LP8000, and Emulex LP850
25. This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
26. Driver Version v6.05.00.
27. Driver Version v6.04.02.
28. Driver Version v6.x series. Supports persistent binding and only supports Class 3.
29. (QLA2200) For IBM xSeries and Netfinity servers only.
30. **BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
31. This HBA is equivalent to the qLogic QLA2310.
32. This HBA is equivalent to the qLogic QLA2340.
33. This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
34. The kernel version listed is included in the corresponding standard distributed release.
35. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
36. **QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
37. Requires QLogic driver 4.47.18 and BIOS 1.83.
38. Install with driver provided by RedHat Installer and upgrade to the EMC-approved driver after installation.
39. Requires QLogic driver v6.05.00 and BIOS v1.83 for QLA2200F and BIOS v1.34 for QLA2310F, QLA2340-E-SP, and QLA2342-E-SP available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
40. For fabric boot support, install with driver provided by RedHat Installer and upgrade to the EMC-approved driver after installation.
41. Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
42. Driver Version v6.04.01.
43. This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
44. The LP9002-E now ships with the LP9002L-E low profile adapter.
45. Emulex driver and BIOS available from <http://www.emulex.com>.
46. **QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
47. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
48. FCode value 1.63a2.
49. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
50. Driver Version 1.23a.
51. Single HBA zoning is required regardless of the switch being utilized.
52. This HBA is equivalent to the QLogic QLA2200.
53. Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
54. Firmware Version 3.90a7.
55. FCode value 1.63a.
56. Linux v2.4.x Kernels support a maximum of 128 devices per system.
57. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
58. Firmware Version 1.80a2.
59. Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.
60. Due to the HS20's embedded FC-SW design, EMC Access Logix is required to assign LUNS to each individual blade server.
61. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
62. **Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
 63. Driver Version 6.04.01.
 64. EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
 65. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
 66. Install with driver provided by Red Hat 7.2 Installer and upgrade to the EMC-approved driver after installation.
 67. Driver Version v1.22e.
 68. Firmware Version v3.90a7.
 69. **Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)**
 70. **Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.**
 71. **QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
 72. Firmware Version 1.02a0.
 73. Firmware Version 1.80a3.
 74. **Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.**

NEC

NEC - Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{11, 12, 13}	QLogic QLA2200F ^{13, 14, 15, 16, 20, 21}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10	See ^{17, 18, 19}
2	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{11, 12, 13}	QLogic QLA2310F-E-SP ^{14, 25}	FC-AL, FC-SW	Y1, 4, 5, 6, 7, 8, 9, 10, 23, 24	See ^{17, 18, 19}
3	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{12, 22} , v2.4.9-E.1 ^{12, 22} , v2.4.9-E.9 ^{12, 22}	QLogic QLA2200F ^{14, 15, 20, 21}	FC-AL, FC-SW	N	See ^{17, 18, 19}
4	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.16 ^{12, 22} , v2.4.9-E.3 ^{11, 12, 13} , Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{12, 22} , v2.4.9-e.16 ^{12, 22}	QLogic: QLA2200F-EMC ^{14, 16} , QLA2342-E-SP	FC-AL, FC-SW	N	See ^{17, 18, 19}
5	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ^{12, 27} , Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ^{12, 27}	QLogic QLA2200F ^{14, 26, 29, 31, 32}	FC-AL, FC-SW	Y2, 3, 4, 5, 6, 7, 8, 9, 10	See ^{17, 18, 19}
6	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ^{12, 27} , v2.4.9-e.27, Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ^{12, 27} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{14, 26, 28, 30, 31}	FC-AL, FC-SW	Y4, 5, 6, 7, 8, 9, 10, 23, 24	See ^{17, 18, 19}

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
7	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ^{12, 27} , v2.4.9-e.27, Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ^{12, 27} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{14, 26, 28, 32} , QLA2342-E-SP ^{21, 26, 28, 29, 30, 31}	FC-AL, FC-SW	N	See ^{17, 18, 19}
8	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27, Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27	Emulex LP9802DC-E ^{26, 33, 34, 35, 36, 37}	FC-AL, FC-SW	Y	See ¹⁸
9	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27, Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27	Emulex LP982-E ^{26, 29, 33, 35, 36, 37, 47, 48}	FC-AL, FC-SW	Y ^{5, 6, 7, 8, 9, 10, 24}	See ^{17, 18, 19}
10	Express 5800: 120Md, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Hb, 140Hd, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1: Advanced Server: v2.4.9-E.16 ^{12, 22} , ES v2.4.9-e.12 ^{12, 22} , ES v2.4.9-e.16 ^{12, 22}	QLogic QLA2200F ^{13, 14, 15, 16, 20, 21}	FC-AL, FC-SW	Y ^{2, 3, 4, 5, 6, 7, 8, 9, 10}	See ^{17, 18, 19}
11	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1: Advanced Server: v2.4.9-E.16 ^{12, 22} , ES v2.4.9-e.12 ^{12, 22} , ES v2.4.9-e.16 ^{12, 22}	QLogic QLA2310F-E-SP ^{14, 25}	FC-AL, FC-SW	Y ^{4, 5, 6, 7, 8, 9, 10, 23, 24}	See ^{17, 18, 19}
12	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 2.1: Advanced Server: v2.4.9-E.16 ^{12, 22} , ES v2.4.9-e.12 ^{12, 22} , ES v2.4.9-e.16 ^{12, 22} , Red Hat Linux 7.3 updated to v2.4.20-20.7 ¹²	QLogic QLA2200F ^{13, 14, 15, 16, 20, 21}	FC-AL, FC-SW	Y ^{2, 3, 4, 5, 6, 7, 8, 9, 10}	See ^{17, 18, 19}
13	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1: Advanced Server: v2.4.9-e.27, ES v2.4.9-e.25 ¹² , ES v2.4.9-e.27	Emulex: LP10000-E ^{29, 34, 36, 37, 38, 43, 44} , LP10000DC-E ^{14, 29, 34, 36, 37, 38, 43, 44} , LP1050-E ^{26, 29, 33, 34, 35, 36, 37, 49} , LP1050DC-E ^{26, 29, 33, 34, 35, 36, 37, 49}	FC-AL, FC-SW	Y ^{5, 6, 7, 8, 9, 10, 24}	
14	Express 5800: 120Md, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Hb, 140Hd, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1: Advanced Server: v2.4.9-e.27, ES v2.4.9-e.25 ¹² , ES v2.4.9-e.27	Emulex: LP10000-E ^{29, 34, 36, 37, 38, 43, 44} , LP10000DC-E ^{14, 29, 34, 36, 37, 38, 43, 44} , LP1050-E ^{26, 29, 33, 34, 35, 36, 37, 49} , LP1050DC-E ^{26, 29, 33, 34, 35, 36, 37, 49}	FC-AL, FC-SW	N	See ⁴²
15	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 2.1: Advanced Server: v2.4.9-e.27, ES v2.4.9-e.25 ¹² , ES v2.4.9-e.27, Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹²	Emulex: LP10000-E ^{29, 34, 36, 37, 38, 43, 44} , LP10000DC-E ^{14, 29, 34, 36, 37, 38, 43, 44} , LP1050-E ^{26, 29, 33, 34, 35, 36, 37, 49} , LP1050DC-E ^{26, 29, 33, 34, 35, 36, 37, 49}	FC-AL, FC-SW	N	See ⁴²
16	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1: Advanced Server: v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{14, 26, 28, 29, 31, 32}	FC-AL, FC-SW	Y ^{2, 3, 4, 5, 6, 7, 8, 9, 10}	See ^{17, 18, 19}
17	Express 5800: 120Ra-2, 120Rd-1, 120Rf-2, 140Ha, 140Hd, 140Ma, 140Rc-4, 180Ha, 180Rc-4	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ¹²	Emulex LP9002DC-E ^{45, 46}	FC-AL, FC-SW	Y ^{2, 3, 4, 5, 6, 7, 8, 9, 10}	See ^{17, 18, 19}
18	Express 5800: 120Ra-2, 120Rd-1, 120Rf-2, 140Ha, 140Hd, 140Ma, 140Rc-4, 180Ha, 180Rc-4	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ¹²	Emulex LP9802-E	FC-AL, FC-SW	Y	See ^{17, 18, 19}
19	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹²	Emulex LP9802DC-E ^{26, 29, 33, 34, 35, 36, 37}	FC-AL, FC-SW	Y	See ¹⁸
20	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹²	Emulex LP982-E ^{26, 29, 33, 35, 36, 37, 47, 48}	FC-AL, FC-SW	Y ^{5, 6, 7, 8, 9, 10}	See ^{17, 18, 19}
21	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹²	Emulex: LP10000-E ^{29, 34, 36, 37, 38, 43, 44} , LP10000DC-E ^{14, 29, 34, 36, 37, 38, 43, 44} , LP1050-E ^{26, 29, 33, 34, 35, 36, 37, 49} , LP1050DC-E ^{26, 29, 33, 34, 35, 36, 37, 49}	FC-AL, FC-SW	Y ^{5, 6, 7, 8, 9, 10}	
22	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{11, 12, 13}	QLogic QLA2200F ^{13, 14, 15, 16, 20, 21}	FC-AL, FC-SW	Y ^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10}	See ^{17, 18, 19}
23	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{11, 12, 13}	QLogic QLA2310F-E-SP ^{14, 25}	FC-AL, FC-SW	Y ^{1, 4, 5, 6, 7, 8, 9, 10, 23, 24}	See ^{17, 18, 19}
24	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{12, 22} , v2.4.9-E.12 ^{12, 22} , v2.4.9-E.9 ^{12, 22}	QLogic QLA2200F ^{14, 15, 20, 21}	FC-AL, FC-SW	N	See ^{17, 18, 19}

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
25	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{12, 22} , v2.4.9-E.3 ^{11, 12, 13} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{12, 22} , v2.4.9-e.16 ^{12, 22}	QLogic: QLA2200F-EMC ^{14, 16} , QLA2342-E-SP	FC-AL, FC-SW	N	See ^{17, 18, 19}
26	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ^{12, 27} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ^{12, 27}	QLogic QLA2200F ^{14, 26, 29, 31, 32}	FC-AL, FC-SW	Y ^{2, 3, 4, 5, 6, 7, 8, 9, 10}	See ^{17, 18, 19}
27	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ^{12, 27} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ^{12, 27} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{14, 26, 28, 30, 31}	FC-AL, FC-SW	Y ^{4, 5, 6, 7, 8, 9, 10, 23, 24}	See ^{17, 18, 19}
28	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ^{12, 27} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ^{12, 27} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{14, 26, 28, 32} , QLA2342-E-SP ^{21, 26, 28, 29, 30, 31}	FC-AL, FC-SW	N	See ^{17, 18, 19}
29	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27	Emulex LP9802DC-E ^{26, 33, 34, 35, 36, 37}	FC-AL, FC-SW	Y	See ¹⁸
30	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27	Emulex LP982-E ^{26, 29, 33, 35, 36, 37, 47, 48}	FC-AL, FC-SW	Y ^{5, 6, 7, 8, 9, 10, 24}	See ^{17, 18, 19}
31	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{12, 22} ES v2.4.9-e.12 ^{12, 22} ES v2.4.9-e.16 ^{12, 22}	QLogic QLA2200F ^{13, 14, 15, 16, 20, 21}	FC-AL, FC-SW	Y ^{2, 3, 4, 5, 6, 7, 8, 9, 10}	See ^{17, 18, 19}
32	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{12, 22} ES v2.4.9-e.12 ^{12, 22} ES v2.4.9-e.16 ^{12, 22}	QLogic QLA2310F-E-SP ^{14, 25}	FC-AL, FC-SW	Y ^{4, 5, 6, 7, 8, 9, 10, 23, 24}	See ^{17, 18, 19}
33	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.25 ¹² ES v2.4.9-e.27	Emulex: LP10000-E ^{29, 34, 36, 37, 38, 43, 44} , LP10000DC-E ^{14, 29, 34, 36, 37, 38, 43, 44} , LP1050-E ^{26, 29, 33, 34, 35, 36, 37, 49} , LP1050DC-E ^{26, 29, 33, 34, 35, 36, 37, 49}	FC-AL, FC-SW	N	See ⁴²
34	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.25 ¹² ES v2.4.9-e.27	Emulex: LP10000-E ^{29, 34, 36, 37, 38, 43, 44} , LP10000DC-E ^{14, 29, 34, 36, 37, 38, 43, 44} , LP1050-E ^{26, 29, 33, 34, 35, 36, 37, 49} , LP1050DC-E ^{26, 29, 33, 34, 35, 36, 37, 49}	FC-AL, FC-SW	Y ^{5, 6, 7, 8, 9, 10, 24}	
35	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.27	QLogic QLA2200F ^{14, 26, 28, 29, 31, 32}	FC-AL, FC-SW	Y ^{2, 3, 4, 5, 6, 7, 8, 9, 10}	See ^{17, 18, 19}
36	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{11, 12, 13}	QLogic QLA2340-E-SP ^{14, 25}	FC-AL, FC-SW ²⁴	Y ^{1, 4, 5, 6, 7, 8, 9, 10, 23, 24}	See ^{17, 18, 19}
37	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ^{12, 27} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ^{12, 27} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{14, 28, 30, 31}	FC-AL, FC-SW ²⁴	Y ^{4, 5, 6, 7, 8, 9, 10, 23, 24}	See ^{17, 18, 19}
38	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{12, 22} ES v2.4.9-e.12 ^{12, 22} ES v2.4.9-e.16 ^{12, 22}	QLogic QLA2340-E-SP ^{14, 25}	FC-AL, FC-SW ²⁴	Y ^{4, 5, 6, 7, 8, 9, 10, 23, 24}	See ^{17, 18, 19}
39	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{11, 12, 13}	QLogic QLA2340-E-SP ^{14, 25}	FC-AL, FC-SW ²⁴	Y ^{1, 4, 5, 6, 7, 8, 9, 10, 23, 24}	See ^{17, 18, 19}

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
40	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ^{12, 27} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ^{12, 27} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{14, 28, 30, 31}	FC-AL, FC-SW ²⁶	Y ^{4, 5, 6, 7, 8, 9, 10, 23, 24}	See ^{17, 18, 19}
41	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{12, 22} , ES v2.4.9-e.12 ^{12, 22} , ES v2.4.9-e.16 ^{12, 22}	QLogic QLA2340-E-SP ^{14, 25}	FC-AL, FC-SW ²⁶	Y ^{4, 5, 6, 7, 8, 9, 10, 23, 24}	See ^{17, 18, 19}
42	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27 ¹² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ¹² , v2.4.9-e.25 ¹² , v2.4.9-e.27	Emulex LP9802-E ^{26, 33, 34, 35, 36, 37}	FC-AL, FC-SW ²⁹	Y	See ^{17, 18, 19}
43	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ¹² , v2.4.9-e.25 ¹² , v2.4.9-e.27 ¹² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ¹² , v2.4.9-e.25 ¹² , v2.4.9-e.27	Emulex LP9802-E ^{26, 33, 34, 35, 36, 37}	FC-AL, FC-SW ²⁹	Y	See ^{17, 18, 19}
44	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27	Emulex LP9002DC-E ^{26, 29, 33, 34, 35, 36, 40, 41}	FC-AL, FC-SW ^{29, 38}	Y ^{5, 6, 7, 8, 9, 10, 24}	See ^{17, 18, 19}
45	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹²	Emulex LP9002DC-E ^{26, 29, 33, 34, 35, 36, 40, 41}	FC-AL, FC-SW ^{29, 38}	Y ^{4, 5, 6, 7, 8, 9, 10, 24, 50}	See ^{17, 18, 19}
46	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹²	Emulex LP9802-E ^{26, 29, 33, 34, 35, 36, 37}	FC-AL, FC-SW ^{29, 38}	Y	See ^{17, 18, 19}
47	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27	Emulex LP9002DC-E ^{26, 29, 33, 34, 35, 36, 40, 41}	FC-AL, FC-SW ^{29, 38}	Y ^{5, 6, 7, 8, 9, 10, 24}	See ^{17, 18, 19}
48	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁵¹ , 320Lb ⁵¹ , 320Mc-R, 330Ma-R, 330Mb-R ^{52, 53} , 340Ha-R ^{52, 53}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ^{26, 33, 34, 35, 36, 37, 39}	FC-AL, FC-SW ³⁸	Y ^{5, 6, 7, 8, 9, 10, 24}	See ^{17, 18, 19}
49	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹²	Emulex LP9002-E (LP9002L-E) ^{26, 33, 34, 35, 36, 37, 39}	FC-AL, FC-SW ³⁸	Y ^{4, 5, 6, 7, 8, 9, 10, 24, 50}	See ^{17, 18, 19}
50	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{12, 27} , v2.4.9-e.25 ¹² , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ^{26, 33, 34, 35, 36, 37, 39}	FC-AL, FC-SW ³⁸	Y ^{5, 6, 7, 8, 9, 10, 24}	See ^{17, 18, 19}

1. This kernel is limited to 110 devices, not 128.
2. Requires QLogic driver 4.47.18 and BIOS 1.83.
3. Install with driver provided by RedHat Installer and upgrade to the EMC-approved driver after installation.
4. Only one HBA is qualified for use in the Linux host when booting from the CLARiiON via fabric.
5. Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
6. No MirrorView or SnapView used on boot LUNs.
7. EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
8. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
9. Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
10. For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
11. Requires v6.2.1 or higher Navisphere host agent/CLI.
12. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
13. Supported with QLogic driver v6.05.00.
14. Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
15. **BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
16. Requires v6.0.5 or higher Navisphere host Agent/CLI.
17. Not available for FC5700
18. PowerPath supported. ATF/CDE not supported.
19. CLARiiON FC4500 array is also supported for these configurations.

20. Driver Version v6.x series. Supports persistent binding and only supports Class 3.
21. Driver Version v6.05.00.
22. This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
23. Requires QLogic driver 4.47.18 driver disk, dd.img-i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
24. Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
25. **Requires BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
26. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
27. This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
28. Driver Version v6.04.01.
29. Single HBA zoning is required regardless of the switch being utilized.
30. Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
31. **QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
32. Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
33. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
34. **QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
35. Emulex driver and BIOS available from <http://www.emulex.com>.
36. Driver Version 1.23a.
37. FCode value 1.63a2.
38. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
39. The LP9002-E now ships with the LP9002L-E low profile adapter.
40. Firmware Version 3.90a7.
41. FCode value 1.63a.
42. Linux v2.4.x Kernels support a maximum of 128 devices per system.
43. Firmware Version 1.80a2.
44. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
45. Firmware Version v3.90a7.
46. Driver Version v1.22e.
47. Firmware Version 1.02a0.
48. **QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
49. Firmware Version 1.80a3.
50. **Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.**
51. **Supports Stratus OS 2.0.X through 2.1.X.**
52. **Supports Stratus OS 1.3.X through 2.1.X.**
53. **Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.**

SUPERMICRO

SUPERMICRO – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Super: P3TDL3 ⁶ , S2DL3 ⁶	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP1000-E ^{3, 4, 5, 7, 8, 9, 10, 11} , LP1050-E ^{4, 5, 7, 9, 12, 13, 14, 15} , LP1000DC-E ^{3, 4, 5, 7, 8, 9, 10, 11} , LP1050DC-E ^{4, 5, 7, 9, 12, 13, 14, 15}	FC-AL, FC-SW	N	See ¹

1. Linux v2.4.x Kernels support a maximum of 128 devices per system.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
3. Firmware Version 1.80a2.
4. FCode value 1.63a2.
5. Driver Version 1.23a.
6. 64-bit slots for 3.3v HBAs only.
7. Single HBA zoning is required regardless of the switch being utilized.
8. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
9. **QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
10. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
11. Host must be offline for CLARiON-licensed (Flare) upgrade and Storage Processor replacement.
12. **FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.**
13. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
14. Emulex driver and BIOS available from <http://www.emulex.com>.
15. Firmware Version 1.80a3.

Red Hat Linux IA64 Bull

Bull – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	NovaScale: 4020 (Itanium2), 4040 (Itanium2), 5080 (Itanium2), 5160 (Itanium2)	PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	Emulex LP9802-E ^{5, 6, 7, 8}	FC-AL, FC-SW	N
2	NovaScale: 4020 (Itanium2), 4040 (Itanium2), 5080 (Itanium2), 5160 (Itanium2)	PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	QLogic QLA2340-E-SP ^{1, 2, 3, 4}	FC-AL, FC-SW	Y

1. Host must be offline for CLARiON-licensed (Flare) upgrade and Storage Processor replacement.
2. BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
3. Driver Version v6.05.00.
4. Firmware Version 1.34.
5. **QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
6. **FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.**
7. Emulex driver and BIOS available from <http://www.emulex.com>.
8. Driver Version Emulex Open Source driver v1.22e.

Dell

Dell – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	PowerEdge 3250 (Itanium 2)	PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	Emulex: LP9002-E (LP9002L-E) ^{5, 6, 7, 8} , LP9002DC-E ^{5, 6, 7, 8, 9} , LP9802-E ^{5, 6, 7, 8} , LP9802DC-E ^{5, 6, 7, 10}	FC-AL, FC-SW	N
2	PowerEdge 3250 (Itanium 2)	PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	QLogic: QLA2310F-E-SP ^{1, 2, 3, 4} , QLA2340-E-SP ^{1, 2, 3, 4} , QLA2342-E-SP ^{1, 2, 3}	FC-AL, FC-SW	Y
3	PowerEdge 3250 (Itanium 2)	PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37 ¹¹	Emulex: LP10000-E ^{4, 5, 6, 7, 10, 12, 14} , LP10000DC-E ^{4, 5, 6, 7, 10, 12, 13, 14}	FC-AL, FC-SW	N

1. BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
2. Driver Version v6.05.00.
3. Firmware Version 1.34.
4. Host must be offline for CLARiON-licensed (Flare) upgrade and Storage Processor replacement.

5. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
6. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
7. Emulex driver and BIOS available from <http://www.emulex.com>.
8. Driver Version Emulex Open Source driver v1.22e.
9. Firmware Version 3.82a1.
10. Driver Version 1.22e.
11. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
12. Single HBA zoning is required regardless of the switch being utilized.
13. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
14. Firmware Version 1.80a2.

HPQ

HPQ – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Integrity: RX2600 (Itanium2), RX5670 (Itanium2)	PCI, PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	QLogic: QLA2340-E-SP ^{1, 2, 3, 4} , QLA2342-E-SP ^{1, 2, 3}	FC-AL, FC-SW	Y

1. BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
2. Firmware Version 1.34.
3. Driver Version v6.05.00.
4. Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.

IBM

IBM – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	xSeries x450	PCI, PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	Emulex: LP9002-E (LP9002L-E) ^{5, 6, 7, 8} , LP9002DC-E ^{5, 6, 7, 8, 9} , LP9802-E ^{5, 6, 7, 8} , LP9802DC-E ^{5, 6, 7, 10}	FC-AL, FC-SW	N
2	xSeries x450	PCI, PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	QLogic: QLA2310F-E-SP ^{1, 2, 3, 4} , QLA2340-E-SP ^{1, 2, 3, 4} , QLA2342-E-SP ^{1, 2, 3}	FC-AL, FC-SW	Y
3	xSeries x450	PCI, PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37 ¹	Emulex: LP10000-E ^{4, 5, 6, 7, 10, 12, 14} , LP10000DC-E ^{4, 5, 6, 7, 10, 12, 13, 14}	FC-AL, FC-SW	N

1. BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
2. Driver Version v6.05.00.
3. Firmware Version 1.34.
4. Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
5. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
6. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
7. Emulex driver and BIOS available from <http://www.emulex.com>.
8. Driver Version Emulex Open Source driver v1.22e.
9. Firmware Version 3.82a1.
10. Driver Version 1.22e.
11. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
12. Single HBA zoning is required regardless of the switch being utilized.
13. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
14. Firmware Version 1.80a2.

SGI IRIX SGI

SGI – SGI IRIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Origin 2000	PCI, XIO	SGI IRIX 6.5.8 ^{4, 5}	SGI PCI-FC-1P-OPT-A ¹	FC-AL	N	See ^{6, 7, 8}
2	Origin 2000	PCI, XIO	SGI IRIX: 6.5.11, 6.5.12, 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18, 6.5.8 ^{4, 5}	SGI: XT-FC-1P-COP-A ^{1, 4} , XT-FC-1P-OPT-A ^{1, 9, 10}	FC-AL	N	See ^{6, 7, 8}
3	Origin: 200, 300, 3000	PCI	SGI IRIX: 6.5.11, 6.5.12, 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI PCI-FC-1P-OPT-A ¹	FC-AL ² , FC-SW ²	N	
4	Origin: 300, 3000	PCI	SGI IRIX: 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI PCI-FC-1P-OPT-B ^{1, 3}	FC-AL ² , FC-SW ²	N	
5	Origin 2000	PCI, XIO	SGI IRIX: 6.5.11, 6.5.12, 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI PCI-FC-1P-OPT-A ¹	FC-AL ² , FC-SW ²	N	

1. Uses native HBA driver and firmware.
2. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
3. PCI-FC-1P-OPT-B supports a data rate of 2 Gb/sec.
4. No support for CX600, CX400, and FC4700.
5. FC5500 and Origin 2000 only.
6. CX600, CX400, FC4700, and FC5500 only.
7. Field support for FC5500, requires minimum Flare revision 2.04.42; no new shipments.
8. No cable with kit; order separately.
9. A MIA is required for FC5500.
10. CX600, CX400, and FC4700 do not require a MIA and are both FC-AL and FC-SW.

SuSE Linux Dell

Dell – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge 1650	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Emulex LP982-E ^{4, 11, 12, 13, 14, 15, 16, 17} , QLogic: QLA2310F-E-SP ^{4, 5, 7, 10} , QLA2340-E-SP ^{4, 5, 7, 10} , QLA2342-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	N	See ¹
2	PowerEdge 1650 ²⁷	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Emulex: LP10000-E ^{4, 11, 13, 14, 15, 16, 18, 19} , LP10000DC-E ^{4, 11, 13, 14, 15, 16, 18, 19} , LP1050-E ^{4, 11, 13, 14, 15, 16, 18, 19} , LP1050DC-E ^{4, 11, 13, 14, 15, 16, 18, 19} , LP9002-E (LP9002L-E) ^{4, 11, 13, 14, 15, 16, 18, 28} , LP9002DC-E ^{4, 11, 13, 14, 15, 16, 18, 28} , LP9802-E ^{4, 11, 12, 13, 14, 15, 16, 18} , LP9802DC-E ^{4, 11, 12, 13, 14, 15, 16, 18}	FC-AL, FC-SW	N	See ¹

Dell – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
3	PowerEdge: 1550 ²⁷ , 2300 ²⁷ , 2400, 2450 ²⁷ , 2500 ²⁷ , 2550 ^{9,27} , 4400 ²⁷ , 6100 ²⁷ , 6300 ²⁷ , 6350 ²⁷ , 6400 ²⁷ , 6450 ²⁷ , 8450 ²⁷	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP1050–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP1050DC–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP9002–E (LP9002L–E) ⁴ , 11, 13, 14, 15, 16, 18, 28, LP9002DC–E ⁴ , 11, 13, 14, 15, 16, 18, 28, LP9802–E ⁴ , 11, 12, 13, 14, 15, 16, 18, LP9802DC–E ⁴ , 11, 12, 13, 14, 15, 16, 18	FC–AL, FC–SW	Y ^{20, 21} , 22, 23, 24, 25, 26	
4	PowerEdge: 2400, 4300	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP1050–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP1050DC–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP9002–E (LP9002L–E) ⁴ , 11, 13, 14, 15, 16, 18, 28, LP9002DC–E ⁴ , 11, 13, 14, 15, 16, 18, 28, LP9802–E ⁴ , 11, 12, 13, 14, 15, 16, 18, LP9802DC–E ⁴ , 11, 12, 13, 14, 15, 16, 18, LP982–E ⁴ , 11, 12, 13, 14, 15, 16, 17; QLogic: QLA2200F–EMC ^{5, 7, 8} , QLA2310F–E–SP ⁴ , 5, 7, 10, QLA2340–E–SP ⁴ , 5, 7, 10	FC–AL, FC–SW	N	
5	PowerVault: 750N, 755N, 775N	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP1050–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP1050DC–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP9002–E (LP9002L–E) ⁴ , 11, 13, 14, 15, 16, 18, 28, LP9002DC–E ⁴ , 11, 13, 14, 15, 16, 18, 28, LP9802–E ⁴ , 11, 12, 13, 14, 15, 16, 18, LP9802DC–E ⁴ , 11, 12, 13, 14, 15, 16, 18, LP982–E ⁴ , 11, 12, 13, 14, 15, 16, 17; QLogic: QLA2310F–E–SP ⁴ , 5, 7, 10, QLA2340–E–SP ⁴ , 5, 7, 10	FC–AL, FC–SW	N	See ¹
6	PowerEdge: 1550, 2300, 2450, 2500, 2550 ⁹ , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP1050–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP1050DC–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP9002–E (LP9002L–E) ⁴ , 11, 13, 14, 15, 16, 18, 28, LP9002DC–E ⁴ , 11, 13, 14, 15, 16, 18, 28, LP9802–E ⁴ , 11, 12, 13, 14, 15, 16, 18, LP9802DC–E ⁴ , 11, 12, 13, 14, 15, 16, 18, LP982–E ⁴ , 11, 12, 13, 14, 15, 16, 17; QLogic: QLA2310F–E–SP ⁴ , 5, 7, 10, QLA2340–E–SP ⁴ , 5, 7, 10, QLA2342–E–SP ⁴ , 5, 6, 7	FC–AL, FC–SW	N	See ¹
7	PowerEdge: 2300, 2450, 2500, 2550 ⁹ , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic QLA2200F–EMC ^{5, 7, 8}	FC–AL, FC–SW	N	
8	PowerEdge 4600	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex LP982–E ⁴ , 11, 12, 13, 14, 15, 16, 17; QLogic: QLA2310F–E–SP ⁴ , 5, 7, 10, QLA2340–E–SP ⁴ , 5, 7, 10, QLA2342–E–SP ⁴ , 5, 6, 7	FC–AL, FC–SW	N	See ¹
9	PowerEdge 4600 ²⁷	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP1050–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP1050DC–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP9002–E (LP9002L–E) ⁴ , 11, 13, 14, 15, 16, 18, 28, LP9002DC–E ⁴ , 11, 13, 14, 15, 16, 18, 28, LP9802–E ⁴ , 11, 12, 13, 14, 15, 16, 18, LP9802DC–E ⁴ , 11, 12, 13, 14, 15, 16, 18	FC–AL, FC–SW	N	See ¹
10	PowerEdge: 2600 ²⁷ , 2650, 6600 ²⁷ , 6650	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP1050–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP1050DC–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP9002–E (LP9002L–E) ⁴ , 11, 13, 14, 15, 16, 18, 28, LP9002DC–E ⁴ , 11, 13, 14, 15, 16, 18, 28, LP9802–E ⁴ , 11, 12, 13, 14, 15, 16, 18, LP9802DC–E ⁴ , 11, 12, 13, 14, 15, 16, 18	FC–AL, FC–SW	Y ^{20, 21} , 22, 23, 24, 25, 26	
11	PowerEdge: 1750, 2600, 2650, 6600, 6650	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP1050–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP1050DC–E ⁴ , 11, 13, 14, 15, 16, 18, 19, LP9002–E (LP9002L–E) ⁴ , 11, 13, 14, 15, 16, 18, 28, LP9002DC–E ⁴ , 11, 13, 14, 15, 16, 18, 28, LP9802–E ⁴ , 11, 12, 13, 14, 15, 16, 18, LP9802DC–E ⁴ , 11, 12, 13, 14, 15, 16, 18, LP982–E ⁴ , 11, 12, 13, 14, 15, 16, 17; QLogic: QLA2310F–E–SP ⁴ , 5, 7, 10, QLA2340–E–SP ⁴ , 5, 7, 10, QLA2342–E–SP ⁴ , 5, 6, 7	FC–AL, FC–SW	N	See ¹
12	PowerEdge: 2600, 2650, 4600, 6600, 6650	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic QLA2200F–EMC ^{5, 7, 8}	FC–AL, FC–SW	N	

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPK.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from [ftp://ftp.emc.com/pub/elab/linux](http://ftp.emc.com/pub/elab/linux).
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS 1.34 available from <http://www.qlogic.com>.
- Driver Version 6.05.00.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- Requires BIOS 1.34 available from QLogic at <http://www.qlogic.com>.
- FCode value 1.63a2.
- Firmware Version 1.01a2.
- Driver Version 1.23a.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- Firmware Version 1.80a3.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- An RPM from Dell may be used to install the QLogic v6.05.00 driver and may be obtained from the QLogic website at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Firmware Version 3.90a7.

Fujitsu Siemens

Fujitsu Siemens – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450, RX100, T850	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁸ , 9, 11, 12, 13, 14, 15, 17, LP10000DC–E ⁸ , 9, 11, 12, 13, 14, 15, 17, LP9002–E (LP9002L–E) ⁸ , 9, 11, 12, 13, 14, 15, 16, LP9002DC–E ⁸ , 9, 11, 12, 13, 14, 15, 16, LP9802–E ⁸ , 9, 10, 11, 12, 13, 14, 15, LP9802DC–E ⁸ , 9, 10, 11, 12, 13, 14, 15	FC–AL, FC–SW	N	See ¹

Fujitsu Siemens – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
2	Primergy: F250 ⁶ , H250 ⁶ , H450, N800, RX200, RX300, TX200, TX300	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{8,9,11,12,13,14,15,17} , LP10000DC–E ^{8,9,11,12,13,14,15,17} , LP9002–E (LP9002L–E) ^{8,9,11,12,13,14,15,16} , LP9002DC–E ^{8,9,11,12,13,14,15} , LP9802–E ^{8,9,10,11,12,13,14,15} , LP9802DC–E ^{8,9,10,11,12,13,14,15} , QLogic QLA2200F–EMC ^{4,5,7}	FC–AL, FC–SW	N	See ¹
3	Primergy: RX600, RX800, TX600	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{8,9,11,12,13,14,15,17} , LP10000DC–E ^{8,9,11,12,13,14,15,17} , LP9002–E (LP9002L–E) ^{8,9,11,12,13,14,15,16} , LP9002DC–E ^{8,9,11,12,13,14,15} , LP9802–E ^{8,9,10,11,12,13,14,15} , LP9802DC–E ^{8,9,10,11,12,13,14,15} , QLogic QLA2200F–EMC ^{4,5,7}	FC–AL, FC–SW	N	See ¹

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RQP.
- Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Must use standard PCI 32bit/33MHz slot for SCSI
- Driver Version 6.05.00.
- Driver Version 1.23a.
- FCode value 1.63a2.
- Firmware Version 1.01a2.
- Single HBA zoning is required regardless of the switch being utilized.
- FC–AL and FC–SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- Firmware Version 3.90a7.
- Firmware Version 1.80a3.

HPQ

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netserv LC: 2000 U3, 2000R; Netserv: LP 2000R, LT 6000R; Proliant: 2500 ⁵ , 800, 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹¹	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{6,16,18,19,20,21,30,31} , LP10000DC–E ^{6,16,18,19,20,21,30,31} , LP1050–E ^{6,16,18,19,20,21,30,31} , LP1050DC–E ^{6,16,18,19,20,21,30,31} , LP9002–E (LP9002L–E) ^{6,16,18,19,20,21,30,32} , LP9002DC–E ^{6,16,18,19,20,21,30,32} , LP9802–E ^{6,16,17,18,19,20,21,30} , LP9802DC–E ^{6,16,17,18,19,20,21,30} , QLogic: QLA2310F–E–SP ^{4,6,7,13} , QLA2340–E–SP ^{4,6,7,13}	FC–AL, FC–SW	√23, 24, 25, 26, 27, 28, 29	
2	Proliant: ML350(G2) ⁵ , ML350(G3)	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{6,16,18,19,20,21,30,31} , LP10000DC–E ^{6,16,18,19,20,21,30,31} , LP1050–E ^{6,16,18,19,20,21,30,31} , LP1050DC–E ^{6,16,18,19,20,21,30,31} , LP9002–E (LP9002L–E) ^{6,16,18,19,20,21,30,32} , LP9002DC–E ^{6,16,18,19,20,21,30,32} , LP9802–E ^{6,16,17,18,19,20,21,30} , LP9802DC–E ^{6,16,17,18,19,20,21,30} , LP982–E ^{6,16,17,18,19,20,21,22} , QLogic: QLA2310F–E–SP ^{4,6,7,13} , QLA2340–E–SP ^{4,6,7,13}	FC–AL, FC–SW	N	See ¹
3	Netserv LC: 2000 U3, 2000R; Netserv: LP 2000R, LT 6000R; Proliant: 2500 ⁵ , 800, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹¹	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{6,16,18,19,20,21,30,31} , LP10000DC–E ^{6,16,18,19,20,21,30,31} , LP1050–E ^{6,16,18,19,20,21,30,31} , LP1050DC–E ^{6,16,18,19,20,21,30,31} , LP9002–E (LP9002L–E) ^{6,16,18,19,20,21,30,32} , LP9002DC–E ^{6,16,18,19,20,21,30,32} , LP9802–E ^{6,16,17,18,19,20,21,30} , LP9802DC–E ^{6,16,17,18,19,20,21,30} , LP982–E ^{6,16,17,18,19,20,21,22} , QLogic: QLA2310F–E–SP ^{4,6,7,13} , QLA2340–E–SP ^{4,6,7,13} , QLA2342–E–SP ^{4,6,7,8}	FC–AL, FC–SW	N	See ¹

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
4	NetsERVER LXR: 8000, 8500; Proliant: 1600 ^{5,12} , 1850 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,10} , 6000 ^{5,10} , 6400R ⁵ , 6500 ^{5,10} , 7000 ^{5,10} , 8000 ^{5,10} , 850 ⁵	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{6,16,18,19,20,21,30,31} LP10000DC–E ^{6,16,18,19,20,21,30,31} LP9002–E (LP9002L–E) ^{6,16,18,19,20,21,30,32} LP9002DC–E ^{6,16,18,19,20,21,30,32} LP9802–E ^{6,16,17,18,19,20,21,30} LP9802DC–E ^{6,16,17,18,19,20,21,30} QLogic: QLA2310F–E–SP ^{4,6,7,13} QLA2340–E–SP ^{4,6,7,13} QLA2342–E–SP ^{4,6,7,8}	FC–AL, FC–SW	N	See ¹
5	NetsERVER LC: 2000 U3, 2000r; NetsERVER LH: (LH Pro), 3, 3000, 4, 6000, II; NetsERVER LP: 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5,12} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,10} , 6000 ^{5,10} , 6400R ⁵ , 6500 ^{5,10} , 800, 8000 ^{5,10} , 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹¹	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic: QLA2200F–EMC ^{4,7,9}	FC–AL, FC–SW	N	
6	NetsERVER LH III	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic: QLA2200F–EMC ^{4,7,9} QLA2310F–E–SP ^{4,6,7,13} QLA2340–E–SP ^{4,6,7,13}	FC–AL, FC–SW	N	
7	NetsERVER LH: (LH Pro), 3, 3000, 4, 6000, II; NetsERVER: LX PRO, LXR PRO, LXR PRO8	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic: QLA2310F–E–SP ^{4,6,7,13} QLA2340–E–SP ^{4,6,7,13} QLA2342–E–SP ^{4,6,7,8}	FC–AL, FC–SW	N	See ¹
8	Proliant BL40p	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{6,16,18,19,20,21,30,31} LP10000DC–E ^{6,16,18,19,20,21,30,31} LP1050–E ^{6,16,18,19,20,21,30,31} LP1050DC–E ^{6,16,18,19,20,21,30,31} LP9002–E (LP9002L–E) ^{6,16,18,19,20,21,30,32} LP9002DC–E ^{6,16,18,19,20,21,30,32} LP9802–E ^{6,16,17,18,19,20,21,30} LP9802DC–E ^{6,16,17,18,19,20,21,30}	FC–AL, FC–SW	N	
9	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{6,16,18,19,20,21,30,31} LP10000DC–E ^{6,16,18,19,20,21,30,31} LP1050–E ^{6,16,18,19,20,21,30,31} LP1050DC–E ^{6,16,18,19,20,21,30,31} LP9002–E (LP9002L–E) ^{6,16,18,19,20,21,30,32} LP9002DC–E ^{6,16,18,19,20,21,30,32} LP9802–E ^{6,16,17,18,19,20,21,30} LP9802DC–E ^{6,16,17,18,19,20,21,30}	FC–AL, FC–SW	Y ^{23,24,25,26,27,28,29}	
10	Proliant: DL740, DL760 (G2), DL760 ⁵	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{6,16,18,19,20,21,30,31} LP10000DC–E ^{6,16,18,19,20,21,30,31} LP1050–E ^{6,16,18,19,20,21,30,31} LP1050DC–E ^{6,16,18,19,20,21,30,31} LP9002–E (LP9002L–E) ^{6,16,18,19,20,21,30,32} LP9002DC–E ^{6,16,18,19,20,21,30,32} LP9802–E ^{6,16,17,18,19,20,21,30} LP9802DC–E ^{6,16,17,18,19,20,21,30} QLogic: QLA2200F–EMC ^{4,7,9} QLA2310F–E–SP ^{4,6,7,13} QLA2340–E–SP ^{4,6,7,13}	FC–AL, FC–SW	N	

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
11	Proliant: DL560, ML570(G2)	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 30, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 30, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP982–E ^{6, 16, 17, 18, 19, 20, 21, 22} QLogic: QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13} QLA2342–E–SP ^{4, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
12	Proliant: DL560, ML570(G2)	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic QLA2200F–EMC ^{4, 7, 9}	FC–AL, FC–SW	N	
13	Proliant BL20p (G2)	PCI-X ¹⁵	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{3, 14}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 30, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 30, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 30} HPQ Dual–port mezzanine controller card ^{4, 13}	FC–AL, FC–SW	N	
14	Proliant DL580(G3)	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 30, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 30, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 30}	FC–AL, FC–SW	y ^{23, 24, 25, 26, 27, 28, 29}	
15	Proliant DL580(G3)	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 30, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 30, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP982–E ^{6, 16, 17, 18, 19, 20, 21, 22} QLogic: QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13} QLA2342–E–SP ^{4, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
16	Proliant DL580(G3)	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic QLA2200F–EMC ^{4, 7, 9}	FC–AL, FC–SW	N	

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiON–attached hosts available from [ftp://ftp.emc.com/pub/elab/linux](http://ftp.emc.com/pub/elab/linux).
- Driver Version 6.05.00.
- Compaq servers that are rack–mountable (designated by Compaq with an "R") are supported.
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS 1.34 available from <http://www.qlogic.com>.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Includes both Pentium PRO and XEON models
- HPQ Proliant servers that are rack–mountable (designated with an "R") are supported.
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32–bit, this shielding prohibits 64–bit HBAs from properly seating in the PCI slots. To accommodate 64–bit HBAs, this shielding must be removed, or modified to allow the 64–bit HBA to fully seat in the 32–bit slots.

13. Requires BIOS 1.34 available from QLogic at <http://www.qlogic.com>.
14. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
15. Dual port PCI-X fibre channel mezzanine card option is embedded. No PCI/PCI-X slots available.
16. FCode value 1.63a2.
17. Firmware Version 1.01a2.
18. Driver Version 1.23a.
19. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
20. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
21. Emulex driver and BIOS available from <http://www.emulex.com>.
22. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
23. Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
24. Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
25. No MirrorView or SnapView used on boot LUNs.
26. EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
27. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
28. Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
29. For any CLARiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
30. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
31. Firmware Version 1.80a3.
32. Firmware Version 3.90a7.

IBM

IBM – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netfinity 8500	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP10000DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP9002–E (LP9002L–E) ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9002DC–E ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9802–E ⁴ , 19, 20, 21, 23, 24, 25, 26, LP9802DC–E ⁴ , 19, 20, 21, 23, 24, 25, 26	FC-AL, FC-SW	N	
2	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ³⁷ , x350 (6000R), x370	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP10000DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP9002–E (LP9002L–E) ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9002DC–E ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9802–E ⁴ , 19, 20, 21, 23, 24, 25, 26, LP9802DC–E ⁴ , 19, 20, 21, 23, 24, 25, 26	FC-AL, FC-SW	Y ^{28, 29, 30, 31, 32, 33, 34}	
3	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP10000DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP9002–E (LP9002L–E) ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9002DC–E ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9802–E ⁴ , 19, 20, 21, 23, 24, 25, 26, LP9802DC–E ⁴ , 19, 20, 21, 23, 24, 25, 26, LP982–E ⁴ , 19, 20, 21, 22, 23, 24, 25;	FC-AL, FC-SW	N	See ¹
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP10000DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP9002–E (LP9002L–E) ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9002DC–E ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9802–E ⁴ , 19, 20, 21, 23, 24, 25, 26, LP9802DC–E ⁴ , 19, 20, 21, 23, 24, 25, 26;	FC-AL, FC-SW	N	See ¹
5	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic QLA2200F–EMC ^{5, 7, 8}	FC-AL, FC-SW	N	
6	xSeries x235	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP10000DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP9002–E (LP9002L–E) ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9002DC–E ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9802–E ⁴ , 19, 20, 21, 23, 24, 25, 26, LP9802DC–E ⁴ , 19, 20, 21, 23, 24, 25, 26	FC-AL, FC-SW	N	
7	xSeries: x255, x360 ³⁷ , x440 ^{35, 36}	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP10000DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP9002–E (LP9002L–E) ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9002DC–E ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9802–E ⁴ , 19, 20, 21, 23, 24, 25, 26, LP9802DC–E ⁴ , 19, 20, 21, 23, 24, 25, 26	FC-AL, FC-SW	Y ^{28, 29, 30, 31, 32, 33, 34}	
8	xSeries x440	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP10000DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP9002–E (LP9002L–E) ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9002DC–E ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9802–E ⁴ , 19, 20, 21, 23, 24, 25, 26, LP9802DC–E ⁴ , 19, 20, 21, 23, 24, 25, 26, LP982–E ⁴ , 19, 20, 21, 22, 23, 24, 25;	FC-AL, FC-SW	N	See ¹
9	xSeries x360	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP10000DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP9002–E (LP9002L–E) ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9002DC–E ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9802–E ⁴ , 19, 20, 21, 23, 24, 25, 26, LP9802DC–E ⁴ , 19, 20, 21, 23, 24, 25, 26, LP982–E ⁴ , 19, 20, 21, 22, 23, 24, 25;	FC-AL, FC-SW	N	See ¹
10	xSeries x360	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic QLA2200F–EMC ^{5, 7, 8}	FC-AL, FC-SW	N	
11	xSeries x440	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic: QLA2200F–EMC ^{5, 7, 8} , QLA2310F–E–SP ^{4, 5, 7, 10}	FC-AL, FC-SW	N	
12	eServer BladeCenter HS20 (Model: 8678) ¹¹ , 8832) ¹¹	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{3,16}	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{17, 18}	FC-AL, FC-SW	Y	
13	xSeries x345	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP10000DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP9002–E (LP9002L–E) ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9002DC–E ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9802–E ⁴ , 19, 20, 21, 23, 24, 25, 26, LP9802DC–E ⁴ , 19, 20, 21, 23, 24, 25, 26	FC-AL, FC-SW	N	
14	xSeries x445	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP10000DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP1050DC–E ⁴ , 19, 20, 21, 23, 25, 26, 27, LP9002–E (LP9002L–E) ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9002DC–E ⁴ , 19, 20, 21, 23, 25, 26, 38, LP9802–E ⁴ , 19, 20, 21, 23, 24, 25, 26, LP9802DC–E ⁴ , 19, 20, 21, 23, 24, 25, 26	FC-AL, FC-SW	Y ^{28, 29, 30, 31, 32, 33, 34}	

IBM – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
15	xSeries x445	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP10000DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP9002–E ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9002DC–E ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9802–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP9802DC–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP982–E ^{4, 19, 20, 21, 22, 23, 24, 25} , QLogic QLA2340–E–SP ^{4, 5, 7, 10}	FC–AL, FC–SW	N	See ¹
16	xSeries x445	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic: QLA2200F–EMC ^{5, 7, 8} , QLA2310F–E–SP ^{4, 5, 7, 10}	FC–AL, FC–SW	N	
17	eServer BladeCenter HS20 (Model: 8678) ^{11, 8832)} ¹¹	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{3, 16}	IBM HS20 FC Exp Card(48P7061) with Optical Pass–thru Module: 02R9080 ^{14, 15} , 02R9080 ^{7, 12, 13, 14, 15}	FC–SW	Y	

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPK.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS 1.34 available from http://www.qlogic.com.
- Driver Version 6.05.00.
- Supports BIOS 1.83. Available at http://www.qlogic.com. Supports SNIA HBA API.
- This server only supports 5 Volt HBAs: QLogic 22XX family (if applicable), QLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- Requires BIOS 1.34 available from Qlogic at http://www.qlogic.com.
- EMC VolumeLogix Software required for multiple BladeServers when direct–attached to EMC Symmetrix storage.
- Supports IBM BIOS 1.35. Available at http://www.qlogic.com.
- Due to the HS20's embedded FC–SW design, EMC Access Logix is required to assign LUNS to each individual blade server.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPK.
- Dual–port FC switch module. Can be used in place of Optical PassThru Module (OPM.)
- Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from http://www.emulex.com.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- Driver Version 1.23a.
- Firmware Version 1.01a2.
- FCode value 1.63a2.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- Firmware Version 1.80a3.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)
- No MirrorView or SnapView used on boot LUNS.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- This system is supported with Red Hat 2.1 Advanced Server v2.4.9–E.3 and updated with v2.4.9–E.9, E.10, and E.12 RPMs.
- PowerPath v3.0.2 b069 is not supported on this system.
- PowerPath v3.02 not supported on this system.
- Firmware Version 3.90a7.

NEC

NEC – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800: 120Ra–2, 140Ha, 140Ma, 180Ha	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{4, 9, 10, 11, 12, 13, 23, 24} , LP10000DC–E ^{4, 9, 10, 11, 12, 13, 23, 24} , LP1050–E ^{4, 9, 10, 11, 12, 13, 23, 24} , LP1050DC–E ^{4, 9, 10, 11, 12, 13, 23, 24} , LP9002–E (LP9002L–E) ^{4, 9, 10, 11, 12, 13, 24, 25} , LP9002DC–E ^{4, 9, 10, 11, 12, 13, 24, 25} , LP9802–E ^{4, 9, 10, 11, 12, 13, 15, 24} , LP9802DC–E ^{4, 9, 10, 11, 12, 13, 15, 24}	FC–AL, FC–SW	Y ^{16, 17, 18, 19, 20, 21, 22}	
2	Express 5800: 120Ra–2, 140Ha, 140Ma, 180Ha	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{4, 9, 10, 11, 12, 13, 23, 24} , LP10000DC–E ^{4, 9, 10, 11, 12, 13, 23, 24} , LP1050–E ^{4, 9, 10, 11, 12, 13, 23, 24} , LP1050DC–E ^{4, 9, 10, 11, 12, 13, 23, 24} , LP9002–E (LP9002L–E) ^{4, 9, 10, 11, 12, 13, 24, 25} , LP9002DC–E ^{4, 9, 10, 11, 12, 13, 24, 25} , LP9802–E ^{4, 9, 10, 11, 12, 13, 15, 24} , LP9802DC–E ^{4, 9, 10, 11, 12, 13, 15, 24} , LP982–E ^{4, 9, 10, 11, 12, 13, 14, 15} , QLogic: QLA2310F–E–SP ^{4, 5, 7, 8} , QLA2340–E–SP ^{4, 5, 7, 8} , QLA2342–E–SP ^{4, 5, 6, 7}	FC–AL, FC–SW	N	See ¹

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPK.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS 1.34 available from http://www.qlogic.com.
- Driver Version 6.05.00.
- Requires BIOS 1.34 available from Qlogic at http://www.qlogic.com.
- FCode value 1.63a2.
- Driver Version 1.23a.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from http://www.emulex.com.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- Firmware Version 1.01a2.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)
- No MirrorView or SnapView used on boot LUNS.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.

- 23. Firmware Version 1.80a3.
- 24. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- 25. Firmware Version 3.90a7.

SUPERMICRO

SUPERMICRO – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Super: P3TDL3 ⁵ , S2DL3 ⁵	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{6,9,10,11,14,15,16,17} , LP10000DC–E ^{6,9,10,11,14,15,16,17} , LP1050–E ^{6,9,10,11,14,15,16,17} , LP1050DC–E ^{6,9,10,11,14,15,16,17} , LP9002–E (LP9002L–E) ^{6,9,10,11,14,15,17,18} , LP9002DC–E ^{6,9,10,11,14,15,17,18} , LP9802–E ^{6,9,10,11,13,14,15,17} , LP9802DC–E ^{6,9,10,11,13,14,15,17} , LP982–E ^{6,9,10,11,12,13,14,15} ; QLogic: QLA2310F–E–SP ^{4,6,7,8} , QLA2340–E–SP ^{4,6,7,8}	FC–AL, FC–SW	N	See ¹

- 1. Linux v2.4.x Kernels support a maximum of 128 devices per system.
- 2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RQP.
- 3. Requires rev1_sles8sp2a.patch for CLARiON–attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
- 4. Driver Version 6.05.00.
- 5. 64–bit slots for 3.3v HBAs only.
- 6. Single HBA zoning is required regardless of the switch being utilized.
- 7. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- 8. Requires BIOS 1.34 available from QLogic at http://www.qlogic.com.
- 9. FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- 10. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- 11. Emulex driver and BIOS available from http://www.emulex.com.
- 12. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- 13. Firmware Version 1.01a2.
- 14. FCode value 1.63a2.
- 15. Driver Version 1.23a.
- 16. Firmware Version 1.80a3.
- 17. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- 18. Firmware Version 3.90a7.

Sun Solaris Sun

Sun – Sun Solaris							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Sun Fire V440 ⁴⁴	PCI	Sun Solaris 8 07/03 ^{18,29}	Emulex: LP10000–E ^{19,42,43} , LP10000DC–E ^{19,42,43}	FC–AL, FC–SW	Y	See ^{1,2}
2	Sun Fire V250	PCI	Sun Solaris 9 08/03 ⁵	Emulex: LP10000–E ^{19,42,43} , LP10000DC–E ^{19,42,43}	FC–AL, FC–SW	Y	See ^{1,2}
3	Sun Fire V250 ⁴⁴	PCI	Sun Solaris: 8 07/03 ^{18,29,9} , 8/03	Emulex: LP10000–E ^{19,42,43} , LP10000DC–E ^{19,42,43}	FC–AL, FC–SW	Y	See ^{1,2}
4	Netra: 1120, 1125, 120, 1280, 1400, 1405, 20, T1; Sun Blade: 1000, 150, 2000; Sun Fire: 12K, 15K, 280R, 4800, 4810, 6800, V100, V120, V1280, V210, V240, V480, V880; Ultra: 220R ³⁰ , 250, 30, 420R ³⁰ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris: 8 ^{18,29,9} , 9 ⁵	Emulex: LP10000–E ^{10,42,43} , LP10000DC–E ^{10,42,43}	FC–AL, FC–SW	Y	See ^{1,2}
5	Ultra Enterprise: 10000 ⁹ , 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	SBUS	Sun Solaris: 2.6 ^{17,18} , 7 ^{18,35} , 8 ^{18,29}	JNI FC64–1063–DC ^{8,33,34,37}	FC–AL ¹²	Y ^{4,36}	See ^{1,2}
6	Sun Fire: 3800 ^{6,38} , 6800	cPCI	Sun Solaris: 8 ^{18,29,9} , 9 ⁵	Emulex LP9002C–E ^{10,11}	FC–AL ¹² , FC–SW ^{13,14,15}	Y ^{3,7}	See ^{1,2}
7	Sun Fire: 3800 ^{6,38} , 6800	cPCI	Sun Solaris: 8 ^{18,29,9} , 9 ⁵	QLogic QCP2202F–E–SP ^{7,39,40}	FC–AL ¹² , FC–SW ^{13,14,15}	Y ²⁸	See ^{1,2}
8	Sun Fire 4800	cPCI	Sun Solaris: 8 ^{18,29,9} , 9 ^{5,18}	Emulex LP9002C–E ^{7,10,11}	FC–AL ¹² , FC–SW ^{13,14,15}	Y ³	See ^{1,2}
9	Sun Fire 4800	cPCI	Sun Solaris: 8 ^{18,29,9} , 9 ^{5,18}	QLogic QCP2202F–E–SP ^{7,39,40}	FC–AL ¹² , FC–SW ^{13,14,15}	Y	See ^{1,2}
10	Netra: 1120, 1125, 1400, 1405; Ultra: 220R ³⁰ , 250, 30, 420R ³⁰ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris 2.6 ^{17,18}	Emulex: LP8000–EMC ^{7,11,16,19} , LP9002–E (LP9002L–E) ^{6,7,10,11,20} ; QLogic: QLA2340–E–SP ^{21,22} , QLA2342–E–SP ^{21,22}	FC–AL ¹² , FC–SW ^{13,14,15}	N	See ^{1,2}
11	Sun Fire V440 ⁴⁴	PCI	Sun Solaris 8 07/03 ^{18,29}	Emulex LP8000–EMC ^{7,11,16,19}	FC–AL ¹² , FC–SW ^{13,14,15}	Y ^{6,23,24,25}	See ^{1,2}
12	Sun Fire V440 ⁴⁴	PCI	Sun Solaris 8 07/03 ^{18,29}	Emulex: LP9002–E (LP9002L–E) ^{6,7,11,19} , LP9002DC–E ^{6,7,11,19} , LP9802–E ^{6,7,19,27}	FC–AL ¹² , FC–SW ^{13,14,15}	Y ^{3,23,24,25}	See ^{1,2}
13	Sun Fire V440 ⁴⁴	PCI	Sun Solaris 8 07/03 ^{18,29}	QLogic: QLA2340–E–SP ^{21,22} , QLA2342–E–SP ^{21,22}	FC–AL ¹² , FC–SW ^{13,14,15}	Y ^{6,23,24,25,28}	See ^{1,2}
14	Sun Fire V250	PCI	Sun Solaris 9 08/03 ⁵	Emulex LP8000–EMC ^{7,11,16,19}	FC–AL ¹² , FC–SW ^{13,14,15}	Y ^{6,23,24,25}	See ^{1,2}
15	Sun Fire V250	PCI	Sun Solaris 9 08/03 ⁵	Emulex: LP9002–E (LP9002L–E) ^{6,7,11,19} , LP9002DC–E ^{6,7,11,19} , LP9802–E ^{6,7,19,27}	FC–AL ¹² , FC–SW ^{13,14,15}	Y ^{3,23,24,25}	See ^{1,2}
16	Sun Fire V250	PCI	Sun Solaris 9 08/03 ⁵	QLogic: QLA2340–E–SP ^{21,22} , QLA2342–E–SP ^{21,22}	FC–AL ¹² , FC–SW ^{13,14,15}	Y ^{6,23,24,25,28}	See ^{1,2}
17	Netra T1	PCI	Sun Solaris: 2.6 ^{17,18} , 7 ^{18,26} , 8 ^{18,29,9} , 9 ⁵	Emulex LP9002–E (LP9002L–E) ^{6,7,10,11,20} ; QLogic: QLA2340–E–SP ^{21,22} , QLA2342–E–SP ^{21,22}	FC–AL ¹² , FC–SW ^{13,14,15}	N	See ^{1,2}

Sun – Sun Solaris							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
18	Netra T1	PCI	Sun Solaris: 2,6,17,18,718,26,818,29,95,18	Emulex LP8000-EMC ^{7, 11, 16, 19}	FC-AL ¹² FC-SW ^{13, 14, 15}	N	See ^{1, 2}
19	Netra T1	PCI	Sun Solaris: 718, 26, 818, 29, 95	Emulex LP9802-E ^{6, 7, 10, 27}	FC-AL ¹² FC-SW ^{13, 14, 15}	N	See ^{1, 2}
20	Netra: 1120, 1125, 1400, 1405; Ultra: 220R ³⁰ , 250, 30, 420R ³⁰ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris: 718, 26, 818, 29, 95	Emulex: LP9002-E (LP9002L-E) ^{6, 7, 10, 11, 20} , LP9802-E ^{6, 7, 10, 27}	FC-AL ¹² FC-SW ^{13, 14, 15}	Y ^{3, 23, 24, 25}	See ^{1, 2}
21	Netra: 1120, 1125, 1400, 1405; Ultra: 220R ³⁰ , 250, 30, 420R ³⁰ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris: 718, 26, 818, 29, 95	QLogic: QLA2340-E-SP ^{21, 22} , QLA2342-E-SP ^{21, 22}	FC-AL ¹² FC-SW ^{13, 14, 15}	Y ^{23, 24, 25, 28}	See ^{1, 2}
22	Netra: 1120, 1125, 1400, 1405; Ultra: 220R ³⁰ , 250, 30, 420R ³⁰ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris: 718, 26, 818, 29, 95, 18	Emulex LP8000-EMC ^{7, 11, 16, 19}	FC-AL ¹² FC-SW ^{13, 14, 15}	Y ^{23, 24, 25}	See ^{1, 2}
23	Sun Fire V250 ⁴⁴	PCI	Sun Solaris: 8 07/03 ^{18, 29, 9} 8/03	Emulex LP8000-EMC ^{7, 11, 16, 19}	FC-AL ¹² FC-SW ^{13, 14, 15}	Y ^{6, 23, 24, 25}	See ^{1, 2}
24	Sun Fire V250 ⁴⁴	PCI	Sun Solaris: 8 07/03 ^{18, 29, 9} 8/03	Emulex: LP9002-E (LP9002L-E) ^{6, 7, 11, 19} , LP9002DC-E ^{6, 7, 11, 19} , LP9802-E ^{6, 7, 19, 27}	FC-AL ¹² FC-SW ^{13, 14, 15}	Y ^{3, 23, 24, 25}	See ^{1, 2}
25	Sun Fire V250 ⁴⁴	PCI	Sun Solaris: 8 07/03 ^{18, 29, 9} 8/03	QLogic: QLA2340-E-SP ^{21, 22} , QLA2342-E-SP ^{21, 22}	FC-AL ¹² FC-SW ^{13, 14, 15}	Y ^{6, 23, 24, 25, 28}	See ^{1, 2}
26	Netra: 120, 1280; Sun Blade: 1000, 150, 2000; Sun Fire: V100, V1280, V210, V240	PCI	Sun Solaris: 818, 29, 95	Emulex LP8000-EMC ^{7, 11, 16, 19}	FC-AL ¹² FC-SW ^{13, 14, 15}	Y ^{23, 24, 25}	See ^{1, 2}
27	Sun Fire 12K	PCI	Sun Solaris: 818, 29, 95	Emulex LP8000-EMC ^{7, 11, 16, 19}	FC-AL ¹² FC-SW ^{13, 14, 15}	Y	See ^{1, 2}
28	Sun Fire 15K	PCI	Sun Solaris: 818, 29, 95	Emulex LP8000-EMC ^{7, 11, 16, 19}	FC-AL ¹² FC-SW ^{13, 14, 15}	N	See ^{1, 2}
29	Sun Fire: 280R, 4800, 4810, 6800, V120, V480, V880	PCI	Sun Solaris: 818, 29, 95	Emulex LP8000-EMC ^{7, 11, 16, 19}	FC-AL ¹² FC-SW ^{13, 14, 15}	Y ^{6, 23, 24, 25}	See ^{1, 2}
30	Sun Fire: 12K ⁴¹ , 15K ⁴¹	PCI	Sun Solaris: 818, 29, 95	Emulex LP9002DC-E ^{6, 7, 10, 11}	FC-AL ¹² FC-SW ^{13, 14, 15}	Y ^{3, 23, 24, 25}	See ^{1, 2}
31	Netra 20	PCI	Sun Solaris: 818, 29, 95	Emulex: LP8000-EMC ^{7, 11, 16, 19} , LP9002-E (LP9002L-E) ^{6, 7, 10, 11} , LP9002DC-E ^{6, 7, 10, 11} , LP9802-E ^{6, 7, 10, 27} ; QLogic: QLA2340-E-SP ^{21, 22} , QLA2342-E-SP ^{21, 22}	FC-AL ¹² FC-SW ^{13, 14, 15}	N	See ^{1, 2}
32	Netra: 120, 1280; Sun Blade: 1000, 150, 2000; Sun Fire: 280R, 4800, 4810, 6800, V100, V120, V1280, V210, V240, V480, V880	PCI	Sun Solaris: 818, 29, 95	Emulex: LP9002-E (LP9002L-E) ^{6, 7, 10, 11} , LP9002DC-E ^{6, 7, 10, 11} , LP9802-E ^{6, 7, 10, 27}	FC-AL ¹² FC-SW ^{13, 14, 15}	Y ^{3, 23, 24, 25}	See ^{1, 2}
33	Netra: 120, 1280; Sun Blade: 1000, 150, 2000; Sun Fire: V100, V1280, V210, V240	PCI	Sun Solaris: 818, 29, 95	QLogic: QLA2340-E-SP ^{21, 22} , QLA2342-E-SP ^{21, 22}	FC-AL ¹² FC-SW ^{13, 14, 15}	Y ^{23, 24, 25, 28}	See ^{1, 2}
34	Sun Fire: 280R, 4800, 4810, 6800, V120, V480, V880	PCI	Sun Solaris: 818, 29, 95	QLogic: QLA2340-E-SP ^{21, 22} , QLA2342-E-SP ^{21, 22}	FC-AL ¹² FC-SW ^{13, 14, 15}	Y ^{6, 23, 24, 25, 28}	See ^{1, 2}
35	Ultra Enterprise: 10000 ⁹ , 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	SBUS	Sun Solaris: 2,6,17,18,718,35,818,29	JNI FC64-1063-N-DG ^{8, 33, 34}	FC-AL ¹² FC-SW ^{13, 14, 15}	Y	See ^{1, 2}
36	Ultra Enterprise: 10000 ⁹ , 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	SBUS	Sun Solaris: 2,6,17,18,718,35,818,29,95	Emulex LP9002S-E ^{6, 7, 8, 10, 11}	FC-AL ¹² FC-SW ^{13, 14, 15}	Y ^{3, 4}	See ^{1, 2}
37	Ultra: 60, 80	PCI	Sun Solaris 718, 26	Emulex LP9002DC-E ¹⁰	FC-AL ¹² FC-SW ^{14, 15}	Y ^{3, 23, 24, 25}	See ^{1, 2}
38	Sun Fire 12K	PCI	Sun Solaris 818, 29	QLogic: QLA2340-E-SP ^{21, 22, 32} , QLA2342-E-SP ^{21, 22, 32}	FC-AL ¹² FC-SW ^{14, 15}	Y	See ^{1, 2}
39	Sun Fire 15K	PCI	Sun Solaris 818, 29	QLogic: QLA2340-E-SP ^{21, 22, 32} , QLA2342-E-SP ^{21, 22, 32}	FC-AL ¹² FC-SW ^{14, 15}	N	See ^{1, 2}
40	Sun Fire 12K	PCI	Sun Solaris 95	QLogic: QLA2340-E-SP ^{21, 22} , QLA2342-E-SP ^{21, 22}	FC-AL ¹² FC-SW ^{14, 15}	Y	See ^{1, 2}
41	Sun Fire 15K	PCI	Sun Solaris 95	QLogic: QLA2340-E-SP ^{21, 22} , QLA2342-E-SP ^{21, 22}	FC-AL ¹² FC-SW ^{14, 15}	N	See ^{1, 2}
42	Netra T1	PCI	Sun Solaris: 718, 26, 818, 29, 95	Emulex LP9002DC-E ¹⁰	FC-AL ¹² FC-SW ^{14, 15}	N	See ^{1, 2}
43	Netra: 1120, 1125, 1400, 1405; Ultra: 220R ³⁰ , 250, 420R ³⁰ , 450, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris: 718, 26, 818, 29, 95	Emulex LP9002DC-E ¹⁰	FC-AL ¹² FC-SW ^{14, 15}	Y ^{3, 23, 24, 25}	See ^{1, 2}
44	Ultra: 30, Enterprise 10000	PCI	Sun Solaris: 718, 26, 818, 29, 95, 18	Emulex LP9002DC-E ¹⁰	FC-AL ¹² FC-SW ^{14, 15}	Y ^{3, 23, 24, 25}	See ^{1, 2}
45	Sun Fire 12K	PCI	Sun Solaris: 818, 29, 95	Emulex: LP9002-E (LP9002L-E) ^{6, 7, 10, 11, 31} , LP9802-E ^{6, 7, 10, 27}	FC-AL ¹² FC-SW ^{14, 15}	Y	See ^{1, 2}

Sun – Sun Solaris							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
46	Sun Fire 15K	PCI	Sun Solaris: 8 ^{18, 29, 95}	Emulex: LP9002-E (LP9002L-E) ^{6, 7, 10, 11, 31} , LP9802-E ^{6, 7, 10, 27}	FC-AL ¹² FC-SW ^{14, 15}	N	See ^{1, 2}
47	Ultra: 60, 80	PCI	Sun Solaris: 8 ^{18, 29, 95, 18}	Emulex LP9002DC-E ^{6, 7, 10, 11}	FC-AL ¹² FC-SW ^{14, 15}	Y ^{3, 23, 24, 25}	See ^{1, 2}

- Sun "clone" hosts are not supported
- Veritas DMP coexistence with EMC CLARiiON failover packages:
VERITAS DMP can be enabled and coexist on the same host with ATF or PowerPath. VERITAS Volume Manager 3.5 is the currently recommended version. VERITAS DMP, as part of Volume Manager 3.2, can be used to manage CLARiiON arrays without ATF or PowerPath by using CLR-ASL.
- Emulex LP8000-EMC/LP9002-E/LP9002L-E/LP9002DC-E/LP9802-E requires fcode 1.40a0. Emulex LP9002S-E requires fcode 2.40a0.
- Support for FC-AL or FC-SW.
- EMC required Sun patches for Solaris 9:**
112233-08 Sun OS 5.9: kernel patch
112834-03 Sun OS 5.9: patch SCSI
113277-17 Sun OS 5.9: sd and ssd patch
- Support for CX600, CX400, FC4500, FC4700, and FC5300. (FC5300 requires copper to Fibre transceiver.)
- See the EMC price book for HBA vendor ordering information. This HBA is not sold by EMC.
- Mixing JNI and Emulex SBUS HBAs on the same host connected to the same storage system is not supported. If there is a business reason to do so, submit an RPQ.
- Dynamic Reconfiguration is supported (Enterprise 10000 SBus only); requires ATF v3.1.2 or higher.
- Driver Version 5.02c.
- Firmware Version 3.91a3.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- FC-AL and FC-SW topologies can co-exist on the same server but not on the same HBA, provided that the different topologies are attached to different HBAs
- FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
- FC-SW applies only to CX600, CX400, FC4500 and FC4700
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- EMC required Sun patches for Solaris 2.6:
105181-35 SunOS 5.6: kernel update patch
105356-23 SunOS 5.6: /kernel/drv/ssd and /kernel/drv/sd patch.
105580-19 SunOS 5.6: /kernel/drv/glm patch (for X6541 HBA only).
- For new installations, core software minimum requirement with CX600
Array software – Access Logix 02.02.1.60.5.005
Array software – Non-Access Logix 02.02.0.60.5.005
CX400
Array software – Access Logix 02.02.1.40.5.006
Array software Non-Access Logix 02.02.0.40.5.006
Driver Version 5.02b.
- The Emulex LP9002L-F2 HBA requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can be either 3.3 VDC or 5.0 VDC signaling interface.
- FCode value 2.00.06.
- Driver Version 4.13.
- Requires at least Rev 03 of LP8000-N1 HBA (part # 118031355-03)
- PCI Boot support is from 1 or 2 servers for FC-AL and from 1 to 4 servers for FC-SW.
- Note: Boot through DS-8B/DS-16B switches using 2.2.1a or 2.3 switch firmware requires HBA fcode v1.12a1 or higher.
- EMC required Sun patches for PCI at Solaris 7: 106541-27 SunOS 5.7: kernel update patch
- Firmware Version 1.01a2.
- QCP2202F-E-SP/QLA234x-E-SP requires fcode v2.00.06. Fcode should be loaded on all HBA's at the time of installation.
- EMC required Sun patches for Solaris 8:**
108528-26 SunOS 5.8: kernel update patch.
108974-36 SunOS 5.8: data, uata, dad, sd, and scsi patch.
109657-09 SunOS 5.8: isp driver patch (for X1062A and X1065A HBAs only).
109885-14 SunOS 5.8: glm driver patch (for X6541A HBA only).
- 64-bit HBAs will not fit into the 32-bit slot due to a physical obstruction.
- The LP9002-E now ships with LP9002L-E low profile adapter. The older full form factor LP9002-E will not fit into the Sun Fire 12K or 15K.
- Supports DR on Sun 12K and 15K.
- Support for FC4500, FC4700, and FC5300.
- Requires driver rev 2.07.17 or higher and fcode 13.3.8.02C
- EMC required Sun patches for SBUS at Solaris 7: 106541-27 SunOS 5.7: kernel update patch
- Requires at least HBA firmware 13.3.8C.
Boot through DS-08B or DS-16B switch requires minimum HBA firmware 13.3.8.01C.
Boot through DS-16M, DS-32M, ED-64M, ED-140M or ED-1032 switches requires switch firmware v1.2.0 or higher.
- No longer available
- If ATF is used, requires at least v3.3.0 ATF.
- Driver Version 4.14.
- FCode value 2.00.06. QCP2202F-E-SP/QLA234x-E-SP requires fcode v2.00.06. Fcode should be loaded on all HBA's at the time of installation.
- Use of the LP9002DC or QLA2342 requires FCO A0218-1 from Sun for HBA's to operate in 66mhz mode. Without this FCO the HBA's will only come up in 33mhz mode which could have an impact on performance.**
- Firmware Version 1.80a2.
- FCode value 1.40a0.
- Requires RPQ

Clustered Host DG DG/UX DG

DG – DG DG/UX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	AViiON AV35000 ¹	DG DG/UX R4.20MU07	DG R1.27_gold_10.3ix86	HA: 2	Emulex LP8000-EMC ^{1, 2}	See ^{3, 4, 5}
2	AViiON AV35000 ^{1, 3, 4, 5, 9}	DG DG/UX R4.20MU07 ⁶	DG R1.27_gold_10.3ix86	HA: 2	Emulex LP8000-F1 ^{1, 7, 8}	See ^{3, 4, 5}
3	AViiON: AV25000 ^{1, 9} , AV3750 ⁹	DG DG/UX R4.20MU07 ⁶	DG R1.27_gold_10.3ix86		Emulex LP8000-F1 ^{1, 7, 8}	See ^{3, 4, 5}
4	AViiON: AV25000 ¹ , AV3750	DG DG/UX R4.20MU07	DG R1.27_gold_10.3ix86		Emulex LP8000-EMC ^{1, 2}	See ^{3, 4, 5}

- Maximum of 2 HBAs per NUMA block (1 per fabric) in clustered environments.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- DS-8B or DS-16B switches only; qualified with firmware v2.1.4a, v2.2, and v2.3.
- FC4700 clusters must use FC-SW mode and switches.
- Support for FC4500, FC4700, and FC5300.
- FC4700 is only supported on DG/UX 4.20 MU07. Maximum of 2 fabrics, each with a maximum of 4 switches. Maximum of 4 FC4700s per fabric. Maximum of 16 HBAs per fabric. Maximum of 32 HBAs per FC4700 SP. Maximum of 6 DG/UX servers per FC4700. Maximum of 4 HBAs per AV3750 server (2 per fabric). Maximum of 4 HBAs per NUMA block (2 per fabric in non-clustered environments). 2. FA4500 may be mixed within the same fabric with FC4700 running Access Logix, but must be separately zoned.
- The release notice for DG/UX (included with the software release at path: /usr/release/dgux*.m) lists supported platforms.
- DG/UX automatically loads the firmware and BIOS onto the Emulex HBA during boot-up as needed. Current DG/UX R4.20MU06 OS supported firmware is V3.20x1 and BIOS

8. FC-AL support requires LP8000 BIOS version DB1.60A7 and firmware version DS3.20x4.
 9. For more information see <http://athena.europe.dg.com>

HPQ HP-UX HPQ

HPQ – HPQ HP-UX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	HP 9000 N-Class (N4000)	HPQ HP-UX: 11.0 ^{1,2} , 11i v1.0 (HP-UX 11.11) ²	HPQ MC/Service Guard 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ: A5158A ^{6,9} , A6795A ^{10,11}	
2	HP 9000 N-Class (N4000) ⁸	HPQ HP-UX: 11.0 ^{1,2} , 11i v1.0 (HP-UX 11.11) ^{2,12}	HPQ MC/Service Guard: 11.09 ^{3,4,5} , 11.12 ^{3,4,7} , 11.13 ^{3,4,5,7}	HA: 8	HPQ: A3740A, A5158A ^{6,9} , A6795A ^{10,11}	
3	HP 9000 rp2405	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ²	HPQ MC/Service Guard 11.15 ^{4,17}	HA: 16	HPQ A6795A ^{10,11}	
4	HP 9000 rp2405	HPQ HP-UX: 11.0 March 2002 ^{1,2} , 11i v1.0 (HP-UX 11.11) March 2002 ²	HPQ MC/Service Guard: 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ A6795A ^{10,11}	
5	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ MC/Service Guard 11.15 ^{4,17}	HA: 16	HPQ: A5158A ^{6,9,13} , A6795A ^{10,11}	
6	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP-UX: 11.0 ^{1,2} , 11i v1.0 (HP-UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{3,4,5} , 11.12 ^{3,4} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7}	HA: 8	HPQ: A5158A ^{6,9,13} , A6795A ^{10,11}	
7	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP-UX: 11.0 ^{1,2} , 11i v1.0 (HP-UX 11.11) ²	Legato Automated Availability Manager (LAAM) 5.0 (Base) ³	HA: 8	HPQ A5158A ^{6,9,13}	
8	HP 9000 rp2450: (A500/440MHz), (A500/550MHz); HP 9000 rp5430 (L1500)	HPQ HP-UX: 11.0 ^{1,2} , 11i v1.0 (HP-UX 11.11) ²	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ A6795A ^{10,11}	
9	HP 9000 rp2450: (A500/440MHz), (A500/550MHz); HP 9000 rp5470 (L3000) ^{8,15}	HPQ HP-UX 11.0 ^{1,2}	HPQ MC/Service Guard: 11.09 ^{3,4,5} , 11.12 ^{3,4} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base) ³	HA: 8	HPQ A3740A ¹³	
10	HP 9000 rp2470	HPQ HP-UX: 11.0 March 2002 ^{1,2} , 11i v1.0 (HP-UX 11.11) March 2002 ²	HPQ MC/Service Guard: 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ: A5158A ^{6,9} , A6795A ^{10,11}	
11	HP 9000 rp5430 (L1500)	HPQ HP-UX 11.0 ^{1,2}	HPQ MC/Service Guard: 11.09 ^{3,4,5} , 11.12 ^{3,4} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ A5158A ^{6,9}	See ¹⁴
12	HP 9000 rp5430 (L1500)	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{3,4,5} , 11.12 ^{3,4} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ A5158A ^{6,9}	
13	HP 9000 rp5430 (L1500)	HPQ HP-UX: 11.0 ^{1,2} , 11i v1.0 (HP-UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{3,4,5} , 11.12 ^{3,4} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7}	HA: 8	HPQ A6795A ^{10,11}	
14	HP 9000 rp5470 (L3000) ¹⁵	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ MC/Service Guard 11.15 ^{4,17}	HA: 16	HPQ A6795A ^{10,11}	See ¹⁴
15	HP 9000 rp5470 (L3000) ¹⁵	HPQ HP-UX: 11.0 ^{1,2} , 11i v1.0 (HP-UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{3,4,5} , 11.12 ^{3,4} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7}	HA: 8	HPQ A6795A ^{10,11}	See ¹⁴
16	HP 9000 rp5470 (L3000) ^{8,15}	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ MC/Service Guard 11.15 ^{4,17}	HA: 16	HPQ A5158A ^{6,9,13}	See ¹⁴
17	HP 9000 rp5470 (L3000) ^{8,15}	HPQ HP-UX: 11.0 ^{1,2} , 11i v1.0 (HP-UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{3,4,5} , 11.12 ^{3,4} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7}	HA: 8	HPQ A5158A ^{6,9,13}	See ¹⁴
18	HP 9000 rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{2,8}	HPQ MC/Service Guard 11.15 ^{4,17}	HA: 16	HPQ: A5158A ^{6,9} , A6795A ^{10,11}	
19	HP 9000 rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{2,8}	HPQ MC/Service Guard 11.15 ^{4,17}	HA: 16	HPQ: A5158A ^{6,9} , A6795A ^{10,11}	See ¹⁴
20	HP 9000 rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{2,8}	HPQ MC/Service Guard: 11.09 ^{3,4,5} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ: A5158A ^{6,9} , A6795A ^{10,11}	
21	HP 9000 rp8400	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Sept 2001 ^{2,8}	HPQ MC/Service Guard: 11.09 ^{3,4,5} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ: A5158A ^{6,9} , A6795A ^{10,11}	See ¹⁴
22	HP 9000 SUPERDOME	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ^{2,12}	HPQ MC/Service Guard 11.15 ^{4,17}	HA: 16	HPQ: A5158A ^{6,9} , A6795A ^{10,11}	

HPQ – HPQ HP-UX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
23	HP 9000 SUPERDOME	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Feb 2001 CD ^{2, 12}	HPQ MC/Service Guard: 11.13 ^{3, 4, 5, 7} , 11.14 ^{3, 4, 5, 7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base) ³	HA: 8	HPQ: A5158A ^{6, 9} , A6795A ^{10, 11}	
24	HP 9000: D270, D280, D290, D370, D380, D390	HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard: 11.09 ^{4, 5} , 11.12 ⁴ , 11.13 ^{3, 4, 5, 7} , 11.14 ^{3, 4, 5, 7}	HA: 8 ³	HPQ A3591B ¹³	
25	HP 9000: D270, D280, D370, D380, D390	HPQ HP-UX 11i v1.0 (HP-UX 11.11)²	HPQ MC/Service Guard 11.15^{4, 17}	HA: 16	HPQ A6684A⁶	
26	HP 9000: D270, D280, D370, D380, D390	HPQ HP-UX: 11.0 ^{1, 2} , 11i v1.0 (HP-UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{3, 4, 5} , 11.12 ^{3, 4} , 11.13 ^{3, 4, 5, 7} , 11.14 ^{3, 4, 5, 7}	HA: 8	HPQ A6684A ⁶	
27	HP 9000: K220, K250, K420, K450	HPQ HP-UX 11i v1.0 (HP-UX 11.11) June 2001²	HPQ MC/Service Guard 11.15^{4, 17}	HA: 16	HPQ A6685A⁶	
28	HP 9000: K220, K250, K420, K450	HPQ HP-UX: 11.0 June 2001 ² , 11i v1.0 (HP-UX 11.11) June 2001 ²	HPQ MC/Service Guard: 11.09 ^{3, 4, 5} , 11.12 ^{3, 4} , 11.13 ^{3, 4, 5, 7} , 11.14 ^{3, 4, 5, 7}	HA: 8	HPQ A6685A ⁶	
29	HP 9000: K260, K360, K370, K380, K460, K570, K580	HPQ HP-UX 11i v1.0 (HP-UX 11.11)²	HPQ MC/Service Guard 11.15^{4, 17}	HA: 16	HPQ A6685A⁶	
30	HP 9000: K260, K360, K370, K380, K460, K570, K580	HPQ HP-UX: 11.0 ^{1, 2} , 11i v1.0 (HP-UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{3, 4, 5} , 11.13 ^{3, 4, 5} , 11.14 ^{3, 4, 5}	HA: 8	HPQ A6685A ⁶	
31	HP 9000: N-Class (N4000), rp5430 (L1500)	HPQ HP-UX 11i v1.0 (HP-UX 11.11)²	HPQ MC/Service Guard 11.15^{4, 17}	HA: 16	HPQ: A5158A^{6, 9}, A6795A^{10, 11}	
32	HP 9000: R380, R390	HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard: 11.09 ^{4, 5} , 11.12 ⁴	HA: 8 ³	HPQ: A3591B, A6684A	
33	HP 9000: R380, R390	HPQ HP-UX 11.0 ^{1, 2}	HPQ MC/Service Guard: 11.13 ^{3, 4, 5, 7} , 11.14 ^{3, 4, 5, 7}	HA: 8	HPQ: A3591B, A6684A	
34	HP 9000: R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11)²	HPQ MC/Service Guard 11.15^{4, 17}	HA: 16	HPQ A6684A¹⁶	
35	HP 9000: R380, R390	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{4, 5} , 11.12 ⁴ , 11.13 ^{4, 5, 7} , 11.14 ^{4, 5, 7}	HA: 8 ³	HPQ A6684A ¹⁶	
36	HP 9000: rp2470, rp7405, rp7410	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002²	HPQ MC/Service Guard 11.15^{4, 17}	HA: 16	HPQ: A5158A^{6, 9}, A6795A^{10, 11}	
37	HP 9000: rp5400 (L1000), rp5405, rp5450 (L2000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11)²	HPQ MC/Service Guard 11.15^{4, 17}	HA: 16	HPQ: A5158A^{6, 9, 13}, A6795A^{10, 11}	See ¹⁴
38	HP 9000: rp5400 (L1000), rp5405, rp5450 (L2000)	HPQ HP-UX: 11.0 ^{1, 2} , 11i v1.0 (HP-UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{3, 4, 5} , 11.12 ^{3, 4} , 11.13 ^{3, 4, 5, 7} , 11.14 ^{3, 4, 5, 7}	HA: 8	HPQ: A5158A ^{6, 9, 13} , A6795A ^{10, 11}	See ¹⁴
39	HP 9000: rp5400 (L1000), rp5405, rp5450 (L2000), rp5470 (L3000) ¹⁵	HPQ HP-UX: 11.0 ^{1, 2} , 11i v1.0 (HP-UX 11.11) ²	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ A6795A ^{10, 11}	See ¹⁴
40	HP 9000: rp5400 (L1000), rp5405, rp5450 (L2000), rp5470 (L3000) ^{8, 15}	HPQ HP-UX: 11.0 ^{1, 2} , 11i v1.0 (HP-UX 11.11) ²	Legato Automated Availability Manager (LAAM) 5.0 (Base) ³	HA: 8	HPQ A5158A ^{6, 9, 13}	See ¹⁴
41	HP 9000: rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX 11i v1.0 (HP-UX 11.11)²	HPQ MC/Service Guard 11.15^{4, 17}	HA: 16	HPQ A3740A¹³	
42	HP 9000: rp5400 (L1000), rp5450 (L2000)	HPQ HP-UX: 11.0 ^{1, 2} , 11i v1.0 (HP-UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{3, 4, 5} , 11.12 ^{3, 4} , 11.13 ^{3, 4, 5, 7} , 11.14 ^{3, 4, 5, 7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base) ³	HA: 8	HPQ A3740A ¹³	
43	HP 9000: rp7405, rp7410	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ²	HPQ MC/Service Guard: 11.13 ^{3, 4, 5, 7} , 11.14 ^{3, 4, 5, 7}	HA: 8	HPQ: A5158A ^{6, 9} , A6795A ^{10, 11}	
44	HP 9000: rp7405, rp7410	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ: A5158A, A6795A ¹¹	
45	HP 9000: V2200, V2250, V2500, V2600	HPQ HP-UX 11i v1.0 (HP-UX 11.11)²	HPQ MC/Service Guard 11.15^{4, 17}	HA: 16	HPQ: A3740A¹³, A5158A^{6, 9, 13}	
46	HP 9000: V2200, V2250, V2500, V2600	HPQ HP-UX: 11.0 ^{1, 2} , 11i v1.0 (HP-UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{3, 4, 5} , 11.12 ^{3, 4} , 11.13 ^{3, 4, 5, 7} , 11.14 ^{3, 4, 5, 7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base) ³	HA: 8	HPQ: A3740A ¹³ , A5158A ^{6, 9, 13}	
47	Integrity: RX2600 (Itanium2), RX4610, RX4640, RX5670 (Itanium2), RX7620, Superdome, rx8620	HPQ HP-UX 11i v2.0 (HP-UX 11.23)¹⁸	HPQ MC/Service Guard 11.15^{4, 17}	HA: 16	HPQ A6795A¹¹	

- See Technical Bulletin T010820 for supported patch levels.
- For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
- 2-node clusters require special configurations. See Support Note S010106A on Customer Service web site.
- Refer to MC/Service Guard Release Notes at www.docs.hp.com for patch requirements.
- Can mix HP-UX 11.00 and HP-UX 11i in same cluster, all nodes must be MC/SG 11.09, 11.13 or later.
- Support for CX600, CX400, FC4500, FC4700, and FC5300. (FC5300 requires copper to Fibre transceiver.)
- HP-UX 11.0: MC/SG 11.13 and 11.14 LVM only.
HP-UX 11i: MC/SG 11.13 and 11.14 can be used with LVM, VxVM 3.1 and VxVM 3.2. No DMP node failover supported at this time.
- rp5470, rp7400: (PA-8700 processors) : Initial support with HP-UX 11.0 Sept 2001, 11i Sept 2001.
- HP A5158A is enabled in March 2000 HWCR Bundle XSWHWR1100.48. Additional patches may be required for support.
- Supported with CX600, CX400, FC4500 and FC4700.
- As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)

L2000 (product number A5191A)

N4000 Revision A (product number A3639A)

N4000 Revision B (product number A3639B)

Patch PHSS_21996 or patches replaced or superseded by are required with HP-UX 11i.

FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.

Switched fabric (FC-SW) first supported on FC4500, requires Core Software 6.32.05 or higher, Navisphere Agent 4.3 or higher, and Access Logix enabled (data access control enabled).

PA-8700 processors: Initial support with HP-UX 11.0 Sept 2001, HP-UX 11i Sept 2001.

Supported with cx600, cx400, fc4500, fc4700

MC/ServiceGuard 11.15 is supported on HP-UX 11i v1.0 and HP-UX 11i v2.0 only**Minimum microcode revision level 5670.23.25. 5568 and 5669 are on a RPQ basis at this time.**

HPQ Tru64 UNIX HPQ

HPQ – HPQ Tru64 UNIX					
No.	Host System	Operating System	Cluster Software	Host Bus Adapter	Comments
1	AlphaServer DS20L	HPQ Tru64 UNIX V5.1A	HPQ TruCluster V5.1A	HPQ KGPSA-CA (168794-B21)	See ^{1,2}
2	AlphaServer DS20L	HPQ Tru64 UNIX V5.1B-1	HPQ TruCluster V5.1B-1	HPQ KGPSA-CA (168794-B21)	See ^{1,2}
3	AlphaServer DS20L	HPQ Tru64 UNIX V5.1B ³	HPQ TruCluster V5.1B	HPQ KGPSA-CA (168794-B21)	See ^{1,2}
4	AlphaServer: 1200 ⁷ , 4000 ⁷ , 4100 ⁷ , 8200 ⁷ , 8400 ⁷ , DS10, DS10L, DS20, DS20E, ES40, GS140 ⁷ , GS60 ⁷	HPQ Tru64 UNIX V5.0A	HPQ TruCluster V5.0A	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	See ^{1,2}
5	AlphaServer: 1200 ⁷ , 4000 ⁷ , 4100 ⁷ , 8200 ⁷ , 8400 ⁷ , GS140 ⁷ , GS60 ⁷	HPQ Tru64 UNIX V5.1	HPQ TruCluster V5.1	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	See ^{1,2}
6	AlphaServer: 1200 ⁷ , 4000 ⁷ , 4100 ⁷ , 8200 ⁷ , 8400 ⁷ , GS140 ⁷ , GS60 ⁷	HPQ Tru64 UNIX V5.1A	HPQ TruCluster V5.1A	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	See ^{1,2}
7	AlphaServer: 1200 ⁷ , 4000 ⁷ , 4100 ⁷ , 8200 ⁷ , 8400 ⁷ , GS140 ⁷ , GS60 ⁷	HPQ Tru64 UNIX V5.1B-1	HPQ TruCluster V5.1B-1	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	See ^{1,2}
8	AlphaServer: 1200 ⁷ , 4000 ⁷ , 4100 ⁷ , 8200 ⁷ , 8400 ⁷ , GS140 ⁷ , GS60 ⁷	HPQ Tru64 UNIX V5.1B ³	HPQ TruCluster V5.1B	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	See ^{1,2}
9	AlphaServer: DS10, DS10L, DS20, DS20E, ES40	HPQ Tru64 UNIX V5.1	HPQ TruCluster V5.1	HPQ: FCA2354 (LP9002) ⁴ , KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ^{1,2}
10	AlphaServer: DS10, DS10L, DS20, DS20E, ES40	HPQ Tru64 UNIX V5.1A	HPQ TruCluster V5.1A	HPQ: FCA2354 (LP9002) ⁴ , KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ^{1,2}
11	AlphaServer: DS10, DS10L, DS20, DS20E, ES40	HPQ Tru64 UNIX V5.1B-1	HPQ TruCluster V5.1B-1	HPQ: FCA2354 (LP9002) ⁴ , KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ^{1,2}
12	AlphaServer: DS10, DS10L, DS20, DS20E, ES40	HPQ Tru64 UNIX V5.1B ³	HPQ TruCluster V5.1B	HPQ: FCA2354 (LP9002) ⁴ , KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ^{1,2}
13	AlphaServer: DS25 ⁶ , ES45 ⁵ , GS160, GS320, GS80	HPQ Tru64 UNIX V5.1A	HPQ TruCluster V5.1A	HPQ: FCA2354 (LP9002) ⁴ , KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ^{1,2}
14	AlphaServer: DS25 ⁶ , ES45 ⁵ , GS160, GS320, GS80	HPQ Tru64 UNIX V5.1B-1	HPQ TruCluster V5.1B-1	HPQ: FCA2354 (LP9002) ⁴ , KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ^{1,2}
15	AlphaServer: DS25 ⁶ , ES45 ⁵ , GS160, GS320, GS80	HPQ Tru64 UNIX V5.1B ³	HPQ TruCluster V5.1B	HPQ: FCA2354 (LP9002) ⁴ , KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ^{1,2}
16	AlphaServer: ES47 ⁸ , ES80, GS1280 ⁸	HPQ Tru64 UNIX V5.1B-1	HPQ TruCluster V5.1B-1	HPQ: FCA2354 (LP9002) ⁴ , KGPSA-DA (261329-B21)	See ^{1,2}
17	AlphaServer: ES47 ⁸ , ES80, GS1280 ⁸	HPQ Tru64 UNIX V5.1B ³	HPQ TruCluster V5.1B	HPQ: FCA2354 (LP9002) ⁴ , KGPSA-DA (261329-B21)	See ^{1,2}
18	AlphaServer: GS160, GS320, GS80	HPQ Tru64 UNIX V5.1	HPQ TruCluster V5.1	HPQ: FCA2354 (LP9002) ⁴ , KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	See ^{1,2}

1. Supported with the FC4700-2 only.
2. FC4700: Minimum AccessLogix 8.45.5x and Navisphere Manager 6.0.5.4.x.
3. Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).
4. Identical to KGPSA-DA.
5. Tru64 UNIX V5.1A minimum requirement for ES45.
6. Tru64 UNIX V5.1A minimum requirement for DS25.
7. KGPSA-BC/KGPSA-CA supported ONLY.
8. AlphaServer GS1280,ES80,ES47: Minimum Tru64 V5.1B with Patch Kit 1 (T64V51BB1AS0001-20021229)

IBM AIX IBM

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	670 7040-671 as an SP node; 7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 02 XX1 ²¹ , 05 XX9 ²¹ , 06 50X ²¹ , 07 55X ²¹ , 08 T70 ²¹ ; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node; p690: 7040-61D as an SP node, 7040-61R as an SP node, 7040-681 as an SP node	IBM AIX 5.2	IBM PSSP 3.5 RVSD 3.5 ¹⁶ , 35, 37		IBM 6227	See ⁴

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
2	670 7040-671 as an SP node; 7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 02 XX ²¹ , 05 XX ⁹ ²¹ , 06 50X ²¹ , 07 55X ²¹ , 08 T70 ²¹	IBM AIX 5.2 ⁴¹ , 53, 54	IBM PSSP 3.5 RVSD 3.5 ¹⁶ , 35, 37		IBM 6228	See ⁴
3	7013-S70	IBM AIX 4.3.3 ¹⁰	IBM HACMP 4.3	HA: 8, OPS: 8	Emulex: LP8000-EMC ¹⁴ , LP9002-E, LP9002L-E, LP9002L-F2	See ⁴
4	7013-S70	IBM AIX 5.1	Legato Automated Availability Manager (LAAM) 5.0 (Base) ²⁸	HA: 8	IBM 6227	See ⁴
5	7013-S70 as SP2 node	IBM AIX 4.3.3 ¹⁰	IBM HACMP/ES 4.3.1	HA: 32, OPS: 8	Emulex: LP9002-E, LP9002L-E ³⁰	See ⁴
6	7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ²¹ , 07 55X ²¹ , 08 T70 ²¹ ; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 5.1 ¹¹ , 12, 39, 40	IBM PSSP 3.5 RVSD 3.5 and GPFS 2.1 ¹³ , 16, 34, 35, 36, 37		IBM 6227 ⁴ , 38	See ⁴
7	7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-M80 as SP2 node	IBM AIX 4.3.3 ¹⁰	IBM HACMP/ES: 4.4.0, 4.4.1; IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ¹⁵ , 16, 18, 19	HA: 32, OPS: 8	Emulex: LP8000-EMC ¹⁴ , LP9002-E, LP9002L-E ³⁰ , LP9002L-F2	See ⁴
8	7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7026-M80 as SP2 node	IBM AIX 4.3.3 ¹⁰	IBM PSSP 3.2 RVSD 3.2 and GPFS 1.3 ¹⁹ , 20	HA: 32, OPS: 8	Emulex: LP8000-EMC ¹⁴ , LP9002-E, LP9002L-E ³⁰ , LP9002L-F2	See ⁴
9	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node	IBM AIX 5.1 ⁸ , 9, 25	IBM HACMP/ES: 4.4.1 ¹³ , 4.5 ¹³ ; IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ¹³ , 15, 16, 23	HA: 32, OPS: 8, RAC: 8 11	IBM 6227	See ⁴
10	7013-S70 as SP2 node; 7017-S70 as SP2 node	IBM AIX 4.3.3 ¹ , 2, 8	IBM: HACMP/ES 4.4.1, PSSP 3.2 RVSD 3.2 and GPFS 1.3 ²⁰ , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ¹⁵ , 16, 23	HA: 8, OPS: 8, RAC: 8 11	IBM 6227	See ⁴
11	7013-S70; 7015-S70; 7015-S7A; 7017-S70; 7017-S7A; 7017-S80; 7025-F50; 7025-F80; 7025-H70; 7026-H50; 7026-H70; 7026-H80; 7026-M80; 7044-170; 7044-270	IBM AIX 4.3.3 ¹⁰	IBM HACMP: 4.3.1, 4.4.0, 4.4.1	HA: 8, OPS: 8	Emulex: LP8000-EMC ¹⁴ , LP9002-E, LP9002L-E, LP9002L-F2	See ⁴
12	7013-S70; 7015-S70; 7017-S70	IBM AIX 5.1 ³ , 9, 12	IBM HACMP: 4.4.1 ¹³ , 4.5 ¹³ ; IBM HACMP/ES: 4.4.1 ¹³ , 4.5 ¹³	HA: 8, OPS: 8, RAC: 8 11	IBM 6227	See ⁴
13	7013-S70; 7015-S70; 7017-S70	IBM AIX 5.1 ³ , 9, 12	Veritas Cluster Server (VCS) 2.0 ²⁷ , 28	HA: 8	IBM 6227	See ⁴
14	7013-S70; 7015-S70; 7017-S70	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ³ , 13, 43, HACMP/ES 4.5 ³ , 13, 42	HA: 8, OPS: 8, RAC: 8	IBM 6227	See ⁴
15	7013-S7A	IBM AIX 4.3.3 ¹⁰	IBM HACMP/ES: 4.3.1, 4.4.0, 4.4.1	HA: 8, OPS: 8	Emulex: LP8000-EMC ¹⁴ , LP9002-E, LP9002L-E, LP9002L-F2	See ⁴
16	7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-M80 as SP2 node	IBM AIX 4.3.3 ¹⁰	IBM HACMP/ES 4.3.1	HA: 32, OPS: 8	Emulex: LP8000-EMC ¹⁴ , LP9002-E, LP9002L-E ³⁰ , LP9002L-F2	See ⁴
17	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 4.3.3 ¹ , 2, 8	IBM HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM: 6227, 6228	See ⁴
18	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 5.1 ⁵ , 9, 25	IBM HACMP/ES: 4.4.1 ¹³ , 4.5 ¹³ ; IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ¹³ , 15, 16, 23	HA: 32, OPS: 8, RAC: 8 11	IBM: 6227, 6228	See ⁴

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
19	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ²¹ , 07 55X ²¹ , 08 17 ²¹ , p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 5.1 ¹ , 31, 32, 33	IBM PSSP 3.5 RVSD 3.5 and GPFS 2.1 ¹³ , 16, 34, 35, 36, 37		IBM 6228 ⁴ , 38	See ⁴
20	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 4.3.3 ¹ , 2, 8	IBM PSSP: 3.2 RVSD 3.2 and GPFS 1.3 ²⁰ , 3.4 RVSD 3.4 and GPFS 1.5 ¹⁵ , 16, 23	HA: 8, OPS: 8	IBM: 6227, 6228	See ⁴
21	7013-S7A; 7015-S7A; 7017-S7A	IBM AIX 4.3.3 ¹ , 5, 6	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM: 6227, 6228	See ⁴
22	7013-S7A; 7015-S7A; 7017-S7A	IBM AIX 5.1 ⁵ , 9, 12	IBM HACMP: 4.4.1 ¹³ , 4.5 ¹³ ; IBM HACMP/ES: 4.4.1 ¹³ , 4.5 ¹³	HA: 8, OPS: 8, RAC: 8 ¹¹	IBM: 6227, 6228	See ⁴
23	7013-S7A; 7015-S7A; 7017-S7A; 7025-F50	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ³ , 13, 43, HACMP/ES 4.5 ³ , 13, 42	HA: 8, OPS: 8, RAC: 8	IBM: 6227, 6228	See ⁴
24	7013-S7A; 7015-S7A; 7017-S80; 7044-170; 7044-270; p620: 7025-6F0, 7025-6F1; p660: 7026-6H0, 7026-6H1, 7026-6M1; p680 7017-S85	IBM AIX 5.1 ⁵ , 9, 12	Legato Automated Availability Manager (LAAM) 5.0 (Base) ²⁸ ; Veritas Cluster Server (VCS) 2.0 ²⁷ , 28	HA: 8	IBM: 6227, 6228	See ⁴
25	7015-S70 as SP2 node	IBM AIX 4.3.3 ¹ , 2, 8	IBM: HACMP/ES 4.4.1, PSSP 3.2 RVSD 3.2 and GPFS 1.3 ²⁴ , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ¹⁵ , 16, 23	HA: 8, OPS: 8	IBM 6227	See ⁴
26	7015-S70; 7017-S70	IBM AIX 5.1 ³ , 9, 12	Legato Automated Availability Manager (LAAM) 5.0 (Base) ²⁸	HA: 8	IBM 6227	See ⁴
27	7015-S7A as SP2 node; 7017-S80 as SP2 node	IBM AIX 4.3.3 ¹⁰	IBM PSSP 3.2 RVSD 3.2 and GPFS 1.3 ¹⁹ , 20	HA: 32, OPS: 8	Emulex: LP8000-EMC ¹⁴ , LP9002L-F2	See ⁴
28	7017-S70	IBM AIX 4.3.3 ³ , 6, 9	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM 6227	See ⁴
29	7017-S80; 7025-F80; 7025-H70; 7026-H50; 7026-H70; 7026-H80; 7026-M80; p680 7017-S85	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ³ , 13, 43, HACMP/ES 4.5 ³ , 13, 42	HA: 8, OPS: 8, RAC: 8	IBM: 6227 ⁷ , 6228 ⁷	See ⁴
30	7017-S80; 7044-170; 7044-270; p620: 7025-6F0, 7025-6F1; p660 7026-6H1; p680 7017-S85	IBM AIX 4.3.3 ⁵ , 6, 9	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM: 6227 ⁷ , 6228 ⁷	See ⁴
31	7017-S80; p680 7017-S85	IBM AIX 5.1 ⁵ , 9, 12	IBM HACMP: 4.4.1 ¹³ , 4.5 ¹³ ; IBM HACMP/ES: 4.4.1 ¹³ , 4.5 ¹³	HA: 8, OPS: 8, RAC: 8 ¹¹	IBM: 6227 ⁷ , 6228 ⁷	See ⁴
32	7025-F50	IBM AIX 4.3.3 ¹ , 2, 3	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM: 6227, 6228	See ⁴
33	7025-F50	IBM AIX 5.1 ³ , 9, 12	IBM HACMP: 4.4.1 ¹³ , 4.5 ¹³ ; IBM HACMP/ES: 4.4.1 ¹³ , 4.5 ¹³	HA: 8, OPS: 8, RAC: 8 ¹¹	IBM: 6227, 6228	See ⁴
34	7025-F50; 7025-F80; 7025-H70; 7026-H50; 7026-H70; 7026-H80; 7026-M80; p640 7026-B80	IBM AIX 5.1 ³ , 9, 12	Legato Automated Availability Manager (LAAM) 5.0 (Base) ²⁸ ; Veritas Cluster Server (VCS) 2.0 ²⁷ , 28	HA: 8	IBM: 6227, 6228	See ⁴
35	7025-F80	IBM AIX 4.3.3 ⁶ , 8, 9	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM: 6227 ⁷ , 6228 ⁷	See ⁴
36	7025-F80; 7025-H70; 7026-H50; 7026-H70; 7026-H80; 7026-M80	IBM AIX 5.1 ³ , 9, 12	IBM HACMP: 4.4.1 ¹³ , 4.5 ¹³ ; IBM HACMP/ES: 4.4.1 ¹³ , 4.5 ¹³	HA: 8, OPS: 8, RAC: 8 ¹¹	IBM: 6227 ⁷ , 6228 ⁷	See ⁴
37	7025-H70; 7026-H50; 7026-H70; 7026-H80; 7026-M80; p660: 7026-6H0, 7026-6M1	IBM AIX 4.3.3 ¹ , 5, 6	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM: 6227 ⁷ , 6228 ⁷	See ⁴
38	7026-H80 as SP2 node	IBM AIX 4.3.3 ¹⁰	IBM HACMP/ES: 4.3.1, 4.4.0	HA: 32, OPS: 8, RAC: 8	Emulex: LP8000-EMC ¹⁴ , LP9002L-E, LP9002L-F2	See ⁴
39	7026-H80 as SP2 node	IBM AIX 4.3.3 ¹⁰	IBM: HACMP/ES 4.4.1, PSSP 3.2 RVSD 3.2 and GPFS 1.3 ¹⁹ , 20, PSSP 3.4 RVSD 3.4 and GPFS 1.5 ¹⁵ , 16, 17, 18	HA: 32, OPS: 8, RAC: 8 ¹¹	Emulex: LP8000-EMC ¹⁴ , LP9002L-E, LP9002L-F2	See ⁴

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
40	7026-H80; 7026-M80; p630: 7028-6C4, 7028-6E4; p650 7038-6M2; p655 7039-651; p660: 7026-6H0, 7026-6H1, 7026-6M1; p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681, 7040-W42	IBM AIX 5.1 ^{1, 3, 12, 44}	IBM HACMP: 4.4.1 ^{13, 4, 5} ¹³ ; IBM HACMP/ES: 4.4.1 ^{13, 4, 5} ¹³		IBM 6228 ^{4, 7, 38, 48, 49, 50, 51, 52}	See ⁴
41	7026-H80; 7026-M80; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.1 ^{1, 3, 12, 44, 45}	IBM GPFS Cluster 2.1 ^{46, 47}		IBM 6227 ^{4, 38, 40, 48, 49, 50}	See ⁴
42	7026-H80; 7026-M80; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.1 ^{1, 3, 12, 44, 45}	IBM HACMP: 4.4.1 ^{13, 4, 5} ¹³ ; IBM HACMP/ES: 4.4.1 ^{13, 4, 5} ¹³		IBM 6227 ^{4, 7, 38, 40, 48, 49, 50}	See ⁴
43	7026-H80; 7026-M80; SP2.9076 +: 06 50X ²¹ , 07 55X ²¹ , 08 T70 ²¹ ; p630: 7028-6C4, 7028-6E4; p650 7038-6M2; p655 7039-651; p660: 7026-6H0, 7026-6H1, 7026-6M1; p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681, 7040-W42	IBM AIX 5.1 ^{1, 3, 12, 44}	IBM GPFS Cluster 2.1 ^{46, 47}		IBM 6228 ^{4, 38, 48, 49, 50, 51, 52}	See ⁴
44	7044-170; 7044-270; p620: 7025-6F0, 7025-6F1; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.1 ^{5, 9, 12}	IBM HACMP: 4.4.1 ^{13, 4, 5} ¹³ ; IBM HACMP/ES: 4.4.1 ^{13, 4, 5} ¹³	HA: 8, OPS: 8, RAC: 8 ¹¹	IBM: 6227 ^{7, 6228} ^{7, 6239} ^{7, 38}	See ⁴
45	7044-170; 7044-270; p620: 7025-6F0, 7025-6F1; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ^{3, 13, 43} , HACMP/ES 4.5 ^{3, 13, 42}	HA: 8, OPS: 8, RAC: 8	IBM: 6227 ^{7, 6228} ^{7, 6239} ^{7, 38}	See ⁴
46	p610 7028-6C1; p630: 7028-6C4, 7028-6E4	IBM AIX 5.1 ^{5, 9, 12}	IBM HACMP: 4.4.1 ^{13, 4, 5} ¹³ ; IBM HACMP/ES: 4.4.1 ^{13, 4, 5} ¹³	HA: 8, OPS: 8	IBM: 6228 ^{7, 6239} ^{7, 38}	See ⁴
47	p610 7028-6C1; p630: 7028-6C4, 7028-6E4	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ^{3, 13, 43} , HACMP/ES 4.5 ^{3, 13, 42}	HA: 8, OPS: 8	IBM: 6228 ^{7, 6239} ^{7, 38}	See ⁴
48	p610 7028-6E1	IBM AIX 5.1 ^{5, 9, 12}	IBM HACMP: 4.4.1 ^{13, 4, 5} ¹³ ; IBM HACMP/ES: 4.4.1 ^{13, 4, 5} ¹³	HA: 8, OPS: 8, RAC: 8 ¹¹	IBM: 6228 ^{7, 6239} ^{7, 38}	See ⁴
49	p610 7028-6E1; p650 7038-6M2; p655 7039-651; p670 7040-671 ²⁶ ; p690: 7040-61D ²⁶ , 7040-61R ²⁶ , 7040-681 ²⁶	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ^{3, 13, 43} , HACMP/ES 4.5 ^{3, 13, 42}	HA: 8, OPS: 8, RAC: 8	IBM: 6228 ^{7, 6239} ^{7, 38}	See ⁴
50	p610: 7028-6C1, 7028-6E1	IBM AIX 4.3.3 ^{5, 6, 9}	IBM: HACMP 4.5, HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM 6228 ⁷	See ⁴
51	p610: 7028-6C1, 7028-6E1; p620: 7025-6F0, 7025-6F1; p640 7026-B80; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 4.3.3 ¹⁰	IBM HACMP 4.4.1	HA: 8, OPS: 8	Emulex: LP9002-E, LP9002L-E, LP9002L-F2	See ⁴
52	p610: 7028-6C1, 7028-6E1; p620: 7025-6F0, 7025-6F1; p640 7026-B80; p660: 7026-6H1, 7026-6M1	IBM AIX 4.3.3 ¹⁰	IBM HACMP 4.4.0	HA: 8, OPS: 8	Emulex: LP9002-E, LP9002L-E, LP9002L-F2	See ⁴
53	p610: 7028-6C1, 7028-6E1; p630: 7028-6C4, 7028-6E4	IBM AIX 5.1 ^{5, 9, 12}	Legato Automated Availability Manager (LAAM) 5.0 (Base) ²⁸ ; Veritas Cluster Server (VCS) 2.0 ^{27, 28}	HA: 8	IBM 6228	See ⁴
54	p615: 7029-6C3, 7029-6E3	IBM AIX: 5.1 ^{5, 9, 12, 5, 24, 55, 56}	IBM HACMP: 4.4.1 ^{13, 4, 5} ^{13, 43} ; IBM HACMP/ES: 4.4.1 ^{13, 4, 5} ^{13, 42}	HA: 8, OPS: 8, RAC: 8 ¹¹	IBM 6239 ³⁸	See ⁴
55	p640 7026-B80	IBM AIX 4.3.3 ^{3, 6, 9}	IBM HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM: 6227 ^{7, 6228} ⁷	See ⁴
56	p640 7026-B80	IBM AIX 5.1 ^{3, 9, 12}	IBM HACMP: 4.4.1 ^{13, 4, 5} ¹³ ; IBM HACMP/ES: 4.4.1 ^{13, 4, 5} ¹³	HA: 8, OPS: 8	IBM: 6227 ^{7, 6228} ^{7, 6239} ^{7, 38}	See ⁴
57	p640 7026-B80	IBM AIX 5.2 ⁴¹	IBM: HACMP 4.5 ^{3, 13, 43} , HACMP/ES 4.5 ^{3, 13, 42}	HA: 8, OPS: 8	IBM: 6227 ^{7, 6228} ^{7, 6239} ^{7, 38}	See ⁴
58	p650 7038-6M2; p655 7039-651	IBM AIX 5.1	Legato Automated Availability Manager (LAAM) 5.0 (Base) ²⁸ ; Veritas Cluster Server (VCS) 2.0 ^{27, 28}	HA: 8	IBM 6228	See ⁴
59	p650 7038-6M2; p655 7039-651	IBM AIX 5.1 ^{1, 5, 29}	IBM HACMP: 4.4.1 ^{13, 4, 5} ¹³ ; IBM HACMP/ES: 4.4.1 ^{13, 4, 5} ¹³	HA: 8, OPS: 8, RAC: 8 ¹¹	IBM: 6228 ^{7, 6239} ^{7, 38}	See ⁴
60	p660 7026-6M1 as SP2 node	IBM AIX 4.3.3 ^{10, 20}	IBM HACMP/ES: 4.4.0, 4.4.1; IBM PSSP: 3.2 RVSD 3.2 and GPFS 1.3 ^{20, 22} , 3.4 RVSD 3.4 and GPFS 1.5 ^{15, 16, 18, 22}	HA: 32, OPS: 8	Emulex: LP9002-E, LP9002L-E, LP9002L-F2	See ⁴
61	p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node; p690: 7040-61D as an SP node, 7040-61R as an SP node, 7040-681 as an SP node	IBM AIX 5.2 ^{41, 53, 54}	IBM PSSP 3.5 RVSD 3.5 ^{16, 35, 37}		IBM 6228	
62	p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, p680 7017-S85 as SP2 node	IBM AIX 4.3.3 ¹⁰	IBM HACMP/ES: 4.4.0, 4.4.1; IBM PSSP: 3.2 RVSD 3.2 and GPFS 1.3 ^{20, 22} , 3.4 RVSD 3.4 and GPFS 1.5 ^{15, 16, 18, 22}	HA: 32, OPS: 8	Emulex: LP9002-E, LP9002L-E, LP9002L-F2	See ⁴
63	p670 7040-671 ²⁶ ; p690: 7040-61D ²⁶ , 7040-61R ²⁶ , 7040-681 ²⁶	IBM AIX 5.1 ^{5, 12}	IBM HACMP: 4.4.1 ^{13, 4, 5} ¹³ ; IBM HACMP/ES: 4.4.1 ^{13, 4, 5} ¹³	HA: 8, OPS: 8, RAC: 8 ¹¹	IBM: 6228 ^{7, 6239} ^{7, 38}	See ⁴

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
64	p670 7040–6712 ²⁶ , p690: 7040–61D ²⁶ , 7040–61R ²⁶ , 7040–681 ²⁶	IBM AIX 5.1 ^{5, 12}	Legato Automated Availability Manager (LAAM) 5.0 (Base) ²⁸ ; Veritas Cluster Server (VCS) 2.0 ^{27, 28}	HA: 8	IBM 6228	See ⁴
65	p680 7017–S85	IBM AIX 4.3.3 ¹⁰	IBM HACMP/ES: 4.3.1, 4.4.0, 4.4.1	HA: 8, OPS: 8, RAC: 8 ¹¹	Emulex: LP9002–E, LP9002L–E, LP9002L–F2	See ⁴
66	SP2 9076 +: 02 XX ^{1, 21} , 05 XX ^{9, 21}	IBM AIX 5.1 ^{1, 3, 12, 44}	IBM: GPFS Cluster 2.1 ^{46, 47} , HACMP 4.4.1 ¹³ , HACMP 4.5 ¹³ , HACMP/ES 4.4.1 ¹³ , HACMP/ES 4.5 ¹³		IBM 6228 ^{4, 38, 48, 49, 50, 51, 52}	
67	SP2 9076 +: 06 50X ^{11, 21} , 07 55X ^{11, 21} , 08 T70 ^{11, 21}	IBM AIX 4.3.3 ^{5, 6, 9}	IBM: HACMP/ES 4.4.1, PSSP 3.2 RVSD 3.2 and GPFS 1.3 ²⁴ , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{15, 16, 23}	HA: 8, OPS: 8	IBM: 6227, 6228	See ⁴
68	SP2 9076 +: 06 50X ^{11, 21} , 07 55X ^{11, 21} , 08 T70 ^{11, 21}	IBM AIX 4.3.3 ¹⁰	IBM HACMP/ES: 4.3, 4.3.1, 4.4.0, 4.4.1; IBM PSSP: 3.2 RVSD 3.2 and GPFS 1.3 ^{20, 22, 3, 4} RVSD 3.4 and GPFS 1.5 ^{15, 16, 18}	HA: 32, OPS: 8	Emulex LP7000E–N1	See ⁴
69	SP2 9076 +: 06 50X ^{11, 21} , 07 55X ^{11, 21} , 08 T70 ^{11, 21}	IBM AIX 4.3.3 ¹⁰	IBM HACMP/ES: 4.3, 4.3.1, 4.4.0, 4.4.1; IBM PSSP: 3.2 RVSD 3.2 and GPFS 1.3 ^{20, 22, 3, 4} RVSD 3.4 and GPFS 1.5 ^{15, 16, 18}	HA: 32, OPS: 8	Emulex: LP9002–E, LP9002L–E, LP9002L–F2	
70	SP2 9076 +: 06 50X ^{11, 21} , 07 55X ^{11, 21} , 08 T70 ^{11, 21}	IBM AIX 5.1 ^{8, 9, 25}	IBM HACMP/ES: 4.4.1 ¹³ , 4.5 ¹³ ; IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{13, 15, 16, 23}	HA: 32, OPS: 8, RAC: 8 ¹¹	IBM: 6227, 6228	See ⁴
71	SP2 9076 +: 06 50X ²¹ , 07 55X ²¹ , 08 T70 ²¹	IBM AIX 5.1 ^{1, 3, 12, 44}	IBM HACMP: 4.4.1 ¹³ , 4.5 ¹³ ; IBM HACMP/ES: 4.4.1 ¹³ , 4.5 ¹³		IBM 6228 ^{4, 38, 48, 49, 50, 51, 52}	See ⁴

- Includes support for FC4700, FC4700–2, CX600, CX400.
- Minimum CLArrayS3.4.3.0.x fileset is supported. Supports FC4700, FC4700–2 with minimum Flare code 8.46.xx.
- Minimum Powerpath version 3.0.2 is supported.
- FC–SW and FC–AL are supported on the same server.
- Minimum PowerPath 3.0.2 is supported.
- Minimum CLArrayS3.4.3.0.x fileset is supported. Supports FC4700, FC4700–2, with minimum Flare code 8.46.xx.
- This configuration for HACMP when used in conjunction with Fibre Channel boot requires RPQ approval.
- Minimum Powerpath version 3.0.2 is supported
- Includes support for the FC4700, FC4700–2, CX600, CX400.
- Includes support for FC4500, FC4700, FC4700–2. Requires EMC 4.0.5.0 Fibre Channel driver. FC–AL for FC4700 requires base software or Access Logix 8.42.xx or higher.
- For IBM AIX 4.3.3: requires Oracle RAC9i (9.0.1), HACMP/ES 4.4.x. PowerPath 3.0.2 or greater is supported.
A SAN implementation with ISLs will observe significant delay in failover times if link failures non–contiguous to host HBA occur.
For IBM AIX 5.1: requires Oracle RAC9i (9.2), HACMP/ES 4.4.x. PowerPath 3.0.2 or greater is supported.
A SAN implementation with ISLs will observe significant delay in failover times if link failures non–contiguous to host HBA occur.
- AIX 5.1–32/64 bit kernel supported. Requires CLArrayS3.5.1 fileset support.
- For installation with Powerpath Versions 3.0.3 and 3.0.4 see Primus ID EMC69100 which contains additional requirements for support.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- Requires minimum AIX 4.3.3 with APAR IY22024, Requires PSSP 3.4 with APAR IY32625
- Refer to Primus case #1.0.128870403.2749464 for configuration instructions.
- Minimum AIX 4.3.3 ML9, APAR IY22024
- Requires minimum PSSP 3.4 APAR IY32625, IY31025
- AIX 4.3.3 ML9, APAR IY22024
- Requires minimum PSSP 3.2 APAR IY18172, IY31012
- The following link provides detailed data for all 9076–SP2 models and feature codes:
http://www1.ibm.link.ibm.com/cgi-bin/master?request=salesmanual&parms=SMS&xh=NTZH*daEMSRi4n1USenGnN9332&xhi=usa.main%7Csalesmanual%5E&type=D&search=9076&title=T&product
- Requires minimum AIX 4.3.3 APAR IY22024.
- Requires minimum PSSP 3.4 APAR IY33448.
- Requires minimum PSSP 3.2 APAR IY18172
- AIX 5.1 supported with 32–bit kernel. Requires minimum EMC ODM fileset support 5.0.0.0.
- Supported in SMP and LPAR modes.
- GAB disks (membership and service group heartbeat disks) are not supported.
- PowerPath is supported with LVM and JFS
- AIX 5.1 supported with 32/64 bit kernel.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Requires adapter firmware 3.82A1, CLArrayS3.5.1 fileset support. Supports FC4700 with minimum Flare code 8.46.xx.
- Requires AIX 5.1 with minimum maintenance level 03 APAR 1Y32749.
- For minimum Powerpath version 3.0.3, minimum CLArray S3.5.1.0.6 version is required.
- Requires minimum AIX5.1 with maintenance level 03 APAR IY32749.
- Minimum Powerpath version 3.0.3 is supported.
- Requires minimum PSSP APAR IY38509
- PSSP 3.5 supports a 32 or 64 bit kernel.
- IBM Native Fibre Channel drivers with feature code 6227 and with feature code 6228 are supported on the same server. Feature 6228 and 6239 are supported on the same server. Mixed FC–AL and FC–SW are supported on the same server. 6227 filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1000f7.rte; 6228 filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1000f7.diag, devices.pci.df1000f9.diag, devices.pci.df1000f9.rte; 6239 filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1080f9.diag, devices.pci.df1080f9.rte
- AIX 5.1 supported only with 32–bit kernel.
- Requires adapter firmware 3.22A1, CLArrayS3.5.1 fileset support. Supports FC4700 with minimum flare code 8.46.xx.
- AIX 5.2 requires Operating System APAR# IY36782, IY37744 and IY37746 for support with HACMP and HACMP/ES version 4.5 and PSSP 3.5.**
- When installing under AIX 5.2 HACMP/ES 4.5 APAR# IY36938, HACMP/ES 4.5 APAR# IY36933, HACMP/ES 4.5 APAR# IY36626 and RSCT 2.3 APAR# IY36626 are required.
- HACMP 4.5 when installing under AIX 5.2 requires HACMP 4.5 APAR# IY36938.
- AIX 5.1 supported with 32/64–bit kernel. Requires minimum EMC ODM fileset support 5.0.0.0.
- AIX 5.1 32/64 bit Kernel supported. Minimum PowerPath Version 2.1.2 supported . Requires minimum EMC ODM fileset support 5.0.0.0.
- Requires minimum IBM APAR IY43999
- Requires a minimum of three nodes in the cluster.
- See http://www.rs6000.ibm.com/resource/hardware_docs/sa38–0538/380538.pdf for appropriate HBA placement guidelines
- Requires minimum ODM fileset support (5.0.0.0 EMC Symmetrix Fibre Channel support software).
- IBM 6227 and IBM 6228 adapters are supported on the same server. Mixed FC–AL and FC–SW are supported on the same server. Mixed FC–AL and FC–SW are supported on the same server. 6227 Filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1000f7.rte ; 6228 Filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1000f9.diag, devices.pci.df1000f9.rte
- For all PCI–based hosts only: See http://www–1.ibm.com/servers/eserver/pseries/library/hardware_docs/sa38/380538.pdf for appropriate HBA placement guidelines.
- Requires minimum HBA firmware 3.82A1, CLArrayS3.5.1 fileset support. Supports FC4700 with minimum Flare code 8.46.xx .
- AIX 5.2 32/64 bit kernel supported. Requires Minimum EMC ODM fileset support 5.0.0.0.**
- Requires AIX APAR IY48995**
- Minimum PowerPath 3.0.3 supported.**
- Requires minimum of CLArrayS3.5.2.0.7**

Microsoft Windows 2000

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

Bull

Bull – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Express 5800 180Rb7	Microsoft Windows 2000: Advanced Server SP3⁴, 5 , Server SP4 ⁴	Microsoft MSCS ³	HA: 4	Emulex LP8000-EMC ⁶	See ^{1, 2}

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. CLARiiON FC4500 array is also supported for these configurations.
3. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
4. EMC recommends that HBAs of different vendors not be used in the same host server.
5. **Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
6. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

DG

DG – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	AViiON: AV1400, AV2300, AV2800, AV3700, AV3704, AV3704R, AV3800, AV8950	Microsoft Windows 2000 Advanced Server: SP2⁵, 12 , SP3⁵, 12 , SP4 ⁵ ; Microsoft Windows 2000 Server SP4 ⁵	Microsoft MSCS ³	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 2, 6}
2	AViiON: AV1400, AV2300, AV2800, AV3700, AV3704, AV3704R, AV3800, AV8950	Microsoft Windows 2000 Advanced Server: SP2⁵, 12 , SP4 ⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁷	HA: 4	QLogic QLA2310F-E-SP ^{8, 9, 10}	See ^{2, 6}
3	AViiON: AV1400, AV2800, AV3700, AV3704, AV3800	Microsoft Windows 2000 Advanced Server: SP2⁵, 12 , SP3⁵, 12 , SP4 ⁵ ; Microsoft Windows 2000 Server SP4 ⁵	Microsoft MSCS ³	HA: 2	Emulex LP8000-EMC ⁴ ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
4	AViiON: AV1400, AV2800, AV3700, AV3704, AV3800	Microsoft Windows 2000 Advanced Server: SP2⁵, 12 , SP4 ⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁷	HA: 4	Emulex: LP8000-EMC ^{4, 8, 9} , LP9002-E (LP9002L-E); QLogic: QLA2340-E-SP ^{8, 9, 11} , QLA2342-E-SP ^{9, 11}	See ²
5	AViiON: AV2300, AV3704R, AV8950	Microsoft Windows 2000 Advanced Server: SP2⁵, 12 , SP3⁵, 12 , SP4 ⁵ ; Microsoft Windows 2000 Server SP4 ⁵	Microsoft MSCS ³	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
6	AViiON: AV2300, AV3704R, AV8950	Microsoft Windows 2000 Advanced Server: SP2⁵, 12 , SP4 ⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁷	HA: 4	Emulex: LP8000-EMC ^{4, 8, 9} , LP9002-E (LP9002L-E) ⁸ , LP9802-E ^{8, 9, 11} , LP9802DC-E ^{8, 9, 11} , LP982-E ^{8, 9, 11} ; QLogic: QLA2340-E-SP ^{8, 9, 11} , QLA2342-E-SP ^{9, 11}	See ²

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. CLARiiON FC4500 array is also supported for these configurations.
3. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
4. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
5. EMC recommends that HBAs of different vendors not be used in the same host server.
6. Supported by direct attach only
7. GAB disks (membership and service group heartbeat disks) are not supported.
8. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
9. If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
10. If using ATF/CDE, requires 2.1.6 or greater..
11. PowerPath supported. ATF/CDE not supported.
12. **Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**

Dell

Dell – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 2650; PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , 11, SP3 ⁴ , 11, SP4 ⁴ ; Microsoft Windows 2000 Server SP4 ⁴	Microsoft MSCS ³	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
2	PowerEdge 2650; PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , 11, SP4 ⁴	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁶	HA: 4	Emulex: LP9002-E (LP9002L-E) ⁷ , LP9802-E ^{7, 8, 9} , LP9802DC-E ^{7, 8, 9} , LP982-E ^{7, 8, 9} ; QLogic: QLA2340-E-SP ^{7, 8} , 9, QLA2342-E-SP ⁸ , 9	See ²
3	PowerEdge 8450	Microsoft Windows 2000 Advanced Server SP4 ⁴	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic QLA2310F-E-SP	See ^{2, 5, 17}
4	PowerEdge 8450	Microsoft Windows 2000 Advanced Server SP4 ⁴	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic QLA2342-E-SP	See ^{2, 17}
5	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , 11, SP3 ⁴ , 11, SP4 ⁴ ; Microsoft Windows 2000 Datacenter: SP2 ⁴ , 11, SP3 ⁴ , 11, SP4 ⁴ ; Microsoft Windows 2000 Server: SP2 ⁴ , 11, SP3 ⁴ , 11, SP4 ⁴	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹² , LP9802-E, LP9802DC-E, LP982-E; QLogic QLA2342-E-SP	See ^{1, 2}
6	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , 11, SP3 ⁴ , 11, SP4 ⁴ ; Microsoft Windows 2000: Datacenter SP4 ⁴ , Server SP4 ⁴	Microsoft MSCS ³		Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹² , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
7	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , 11, SP3 ⁴ , 11, SP4 ⁴ ; Microsoft Windows 2000: Datacenter SP4 ⁴ , Server SP4 ⁴	Microsoft MSCS ³		QLogic QLA2310F-E-SP	See ^{1, 2, 5}
8	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , 11, SP4 ⁴	Oracle 9i RAC 9.2.0.1.0 ¹⁵	RAC: 8	Emulex LP982-E	See ²
9	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , 11, SP4 ⁴ ; Microsoft Windows 2000 Server: SP2 ⁴ , 11, SP3 ⁴ , 11	Microsoft MSCS	HA: 4	Emulex LP9002-E (LP9002L-E); QLogic QLA2340-E-SP	See ^{1, 2}
10	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , 11, SP4 ⁴ ; Microsoft Windows 2000 Server: SP2 ⁴ , 11, SP3 ⁴ , 11	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 2, 5}
11	PowerEdge 8450	Microsoft Windows 2000: Advanced Server SP3 ⁴ , 11, Datacenter SP2 ⁴ , 11, 16, Datacenter SP3 ⁴ , 11, Datacenter SP4 ⁴ , Server SP4 ⁴	Microsoft MSCS ³	HA: 4	Emulex LP9002-E (LP9002L-E); QLogic QLA2340-E-SP	See ^{1, 2}
12	PowerEdge 8450	Microsoft Windows 2000: Advanced Server SP3 ⁴ , 11, Datacenter SP2 ⁴ , 11, 16, Datacenter SP3 ⁴ , 11, Datacenter SP4 ⁴ , Server SP4 ⁴	Microsoft MSCS ³	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 2, 5}
13	PowerEdge 8450 ¹⁸	Microsoft Windows 2000 Advanced Server SP4 ⁴	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic QLA2340-E-SP ¹⁴	See ²
14	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ¹³ , 2600, 2650, 4400, 4600, 6100, 6300, 6350, 6400, 6450, 6600, 6650, 8450; PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , 11, SP4 ⁴	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁶	HA: 4	QLogic QLA2310F-E-SP ⁷ , 9, 10	See ^{2, 5}
15	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ¹³ , 2600, 2650, 4400, 4600, 6100, 6300, 6350, 6400, 6450, 6600, 6650; PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , 11, SP3 ⁴ , 11, SP4 ⁴ ; Microsoft Windows 2000 Server SP4 ⁴	Microsoft MSCS ³	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 2, 5}
16	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ¹³ , 2600, 4400, 4600, 6300, 6350, 6400, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ⁴ , 11, SP3 ⁴ , 11, SP4 ⁴ ; Microsoft Windows 2000 Server SP4 ⁴	Microsoft MSCS ³	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹² , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}

Dell – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
17	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ¹³ , 2600, 4400, 4600, 6300, 6350, 6400, 6450, 6600, 6650, 8450	Microsoft Windows 2000 Advanced Server: SP ^{2,4,11} , SP ⁴	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁶	HA: 4	Emulex: LP8000-EMC ^{7,9,12} , LP9002-E (LP9002L-E) ⁷ , LP9802-E ^{7,8,9} , LP9802DC-E ^{7,8,9} , LP982-E ^{7,8,9} , QLogic: QLA2340-E-SP ^{7,8,9} , QLA2342-E-SP ^{8,9}	See ²
18	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server SP ^{2,4,11}	Oracle 9i RAC 9.2.0.1.0 ¹⁵	RAC: 8	QLogic QLA2310F-E-SP ^{7,9}	See ^{2,5}
19	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server SP ^{2,4,11}	Oracle 9i RAC 9.2.0.1.0 ¹⁵	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{2,7}
20	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server SP ^{2,4,11,19}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2310F-E-SP ^{7,9}	See ^{2,5}
21	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server SP ^{2,4,11,19}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{2,7}
22	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server SP ⁴	Oracle 9i RAC 9.2.0.1.0 ¹⁵	RAC: 8	QLogic QLA2310F-E-SP ^{7,9,14}	See ^{2,5}
23	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server SP ⁴	Oracle 9i RAC 9.2.0.1.0 ¹⁵	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{2,7,17}
24	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server SP ^{4,19}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2310F-E-SP ^{7,9,14}	See ^{2,5}
25	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server SP ^{4,19}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{2,7,17}
26	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP ^{2,4,11,19} , SP ^{4,19}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9002-E (LP9002L-E) ⁷ , LP9802-E, LP9802DC-E ^{7,8,9} , LP982-E	See ²
27	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP ^{2,4,11} , SP ⁴	Oracle 9i RAC 9.2.0.1.0 ¹⁵	RAC: 8	Emulex: LP9002-E (LP9002L-E) ⁷ , LP9802-E, LP9802DC-E ^{7,8,9} , LP982-E	See ²
28	PowerEdge: 2300, 6100	Microsoft Windows 2000 Advanced Server: SP ^{2,4,11} , SP ^{3,4,11} , SP ⁴ ; Microsoft Windows 2000 Server SP ⁴	Microsoft MSCS ³	HA: 2	Emulex LP8000-EMC ¹² ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1,2}
29	PowerEdge: 2300, 6100	Microsoft Windows 2000 Advanced Server: SP ^{2,4,11} , SP ⁴	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁶	HA: 4	Emulex LP8000-EMC ^{7,9,12} ; QLogic: QLA2340-E-SP ^{7,8,9} , QLA2342-E-SP ^{8,9}	See ²
30	PowerEdge: 2600, 2650, 4600, 6400, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP ^{2,4,11} , SP ^{3,4,11} , SP ⁴ ; Microsoft Windows 2000 Server: SP ^{2,4,11} , SP ^{3,4,11} , SP ⁴	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹² , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1,2}
31	PowerEdge: 2600, 2650, 4600, 6400, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP ^{2,4,11} , SP ^{3,4,11} , SP ⁴ ; Microsoft Windows 2000 Server: SP ^{2,4,11} , SP ^{3,4,11} , SP ⁴	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1,2,5}

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- CLARiiON FC4500 array is also supported for these configurations.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Supported by direct attach only
- GAB disks (membership and service group heartbeat disks) are not supported.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- PowerPath supported. ATF/CDE not supported.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- If using ATF/CDE, requires 2.1.6 or greater..
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
- Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0.
VxVM not supported.
PowerPath 3.0 supported.
PowerPath not supported. ATF is supported.
- RPQ required for PowerPath support.
- An RPM from Dell may be used to install the QLogic v6.05.00 driver and may be obtained from the QLogic website at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Oracle Cluster File System 1.x supported for 9i RAC 9.2.0.3. PowerPath 3.02

HPQ

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserver LC: 2000 U3, 2000r ¹⁸ ; Netserver LH: 3000, 4, 6000; Netserver: LP 2000r, LT 6000R, LXR 8000, LXR 8500	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , ¹³ , SP3 ⁷ , ¹³ , SP4 ⁷ ; Microsoft Windows 2000 Server SP4 ⁷	Microsoft MSCS ⁴	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 2, 5}
2	Netserver LC: 2000 U3, 2000r ¹⁸ ; Netserver LH: 3000, 4, 6000; Netserver: LP 2000r, LT 6000R, LXR 8000, LXR 8500; Proliant: 3000 ⁶ , 6400R ⁶ , 6500 ^{6, 17} , 7000 ^{6, 17} , 8000 ^{6, 17} , 8500, BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶ , ML350(G2) ⁶ , ML350(G3) , ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2) ²³ , ML570 ⁶ , ML750 ¹⁶	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , ¹³ , SP4 ⁷	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁹	HA: 4	QLogic QLA2310F-E-SP ⁸ , 10, 11	See ^{2, 5}
3	Netserver LC: 2000 U3, 2000r ¹⁸ ; Netserver: LP 2000r, LT 6000R	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , ¹³ , SP3 ⁷ , ¹³ , SP4 ⁷ ; Microsoft Windows 2000 Server SP4 ⁷	Microsoft MSCS ⁴	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
4	Netserver LC: 2000 U3, 2000r ¹⁸ ; Netserver: LP 2000r, LT 6000R; Proliant: 6400R ⁶ , 8500, BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶ , ML350(G2) ⁶ , ML350(G3) , ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2) ²³ , ML570 ⁶ , ML750 ¹⁶	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , ¹³ , SP4 ⁷	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁹	HA: 4	Emulex: LP8000-EMC ^{8, 11} , 15, LP9002-E (LP9002L-E) ⁸ , LP9802-E ^{8, 11, 12} , LP9802DC-E ^{8, 11} , 12, LP982-E ^{8, 11, 12} , 12; QLogic: QLA2340-E-SP ⁸ , 11, 12, QLA2342-E-SP ¹¹ , 12	See ²
5	Netserver LH: 3000, 4, 6000; Netserver LXR: 8000, 8500	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , ¹³ , SP3 ⁷ , ¹³ , SP4 ⁷ ; Microsoft Windows 2000 Server SP4 ⁷	Microsoft MSCS ⁴	HA: 2	Emulex LP8000-EMC ¹⁵ , HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
6	Netserver LH: 3000, 4, 6000; Netserver LXR: 8000, 8500; Proliant: 3000 ⁶ , 6500 ^{6, 17} , 7000 ^{6, 17} , 8000 ^{6, 17}	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , ¹³ , SP4 ⁷	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁹	HA: 4	Emulex LP8000-EMC ^{8, 11} , 15; QLogic: QLA2340-E-SP ⁸ , 11, 12, QLA2342-E-SP ¹¹ , 12	See ²
7	Proliant 5500 ^{6, 17}	Microsoft Windows 2000 Advanced Server SP4 ⁷	Oracle 9i RAC 9.2.0.1.0	RAC: 8	Emulex LP9002-E (LP9002L-E)	See ²
8	Proliant 5500 ^{6, 17}	Microsoft Windows 2000 Advanced Server SP4 ⁷ , ²⁷	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002-E (LP9002L-E)	See ²

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
9	Proliant 5500 ^{6, 17}	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13} , SP3 ^{7, 13} , SP4 ⁷ ; Microsoft Windows 2000 Server SP4 ⁷	Microsoft MSCS ^{3, 4}	HA: 2	Emulex: LP8000-EMC ^{14, 15} , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ^{1, 2}
10	Proliant 5500 ^{6, 17}	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13} , SP4 ⁷	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁹	HA: 4	Emulex: LP8000-EMC ^{8, 11, 15} , LP9002-E (LP9002L-E) ⁹	See ²
11	Proliant 5500 ^{6, 17}	Microsoft Windows 2000 Server: SP2 ^{7, 13} , SP3 ^{7, 13}	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{14, 15} , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ^{1, 2, 8}
12	Proliant 5500 ^{6, 17}	Microsoft Windows 2000 Advanced Server SP4 ⁷	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	See ²
13	Proliant 8500	Microsoft Windows 2000 Advanced Server SP2 ^{7, 13}	Oracle 9i RAC 9.2.0.1.0 ¹⁹	RAC: 8	QLogic QLA2310F-E-SP ^{8, 11}	See ^{2, 5}
14	Proliant 8500	Microsoft Windows 2000 Advanced Server SP2 ^{7, 13, 27}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2310F-E-SP ^{8, 11}	See ^{2, 5}
15	Proliant 8500	Microsoft Windows 2000 Advanced Server SP4 ⁷	Oracle 9i RAC 9.2.0.1.0 ¹⁹	RAC: 8	QLogic QLA2310F-E-SP ^{8, 11, 20}	See ^{2, 5}
16	Proliant 8500	Microsoft Windows 2000 Advanced Server SP4 ^{7, 27}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2310F-E-SP ^{8, 11, 20}	See ^{2, 5}
17	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13, 27} , SP4 ^{7, 27}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9002L-E ⁹ , LP9802-E, LP9802DC-E ^{8, 11, 12} , LP982-E	See ²
18	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13, 27} , SP4 ^{7, 27}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{2, 8}
19	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13} , SP3 ^{7, 13} , SP4 ⁷ ; Microsoft Windows 2000 Datacenter: SP2 ^{7, 13} , SP3 ^{7, 13} , SP4 ⁷ ; Microsoft Windows 2000 Server: SP2 ^{7, 13} , SP3 ^{7, 13} , SP4 ⁷	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
20	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13} , SP3 ^{7, 13} , SP4 ⁷ ; Microsoft Windows 2000: Datacenter SP4 ⁷ , Server SP2 ^{7, 13} , Server SP3 ^{7, 13} , Server SP4 ⁷	Microsoft MSCS	HA: 4	QLLogic QLA2310F-E-SP	See ^{1, 2, 5}
21	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13} , SP4 ⁷	Oracle 9i RAC 9.2.0.1.0 ¹⁹	RAC: 8	Emulex: LP9002-E (LP9002L-E) ⁸ , LP9802-E, LP9802DC-E ^{8, 11} , ¹² , LP982-E	See ²
22	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13} , SP4 ⁷	Oracle 9i RAC 9.2.0.1.0 ¹⁹	RAC: 8	QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{2, 8}
23	Proliant 8500	Microsoft Windows 2000 Datacenter: SP2 ^{7, 13} , SP3 ⁷ , 13	Microsoft MSCS	HA: 4	QLLogic QLA2310F-E-SP	See ^{1, 2}
24	Proliant 8500	Microsoft Windows 2000 Datacenter: SP2 ^{7, 13} , SP3 ⁷ , 13	Microsoft MSCS ³	HA: 2	QLLogic QLA2310F-E-SP	See ^{1, 2, 8}
25	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server SP4 ⁷	Oracle 9i RAC 9.2.0.1.0	RAC: 8	HPQ Dual-port mezzanine controller card ^{25, 26}	See ²
26	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13} , SP3 ^{7, 13} , SP4 ⁷ ; Microsoft Windows 2000 Server SP4 ⁷	Microsoft MSCS ⁴	HA: 2	HPQ Dual-port mezzanine controller card	See ^{1, 2}
27	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13} , SP4 ⁷	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁹	HA: 4	HPQ Dual-port mezzanine controller card ^{25, 26}	See ²
28	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13} , SP4 ⁷ ; Microsoft Windows 2000 Server: SP2 ^{7, 13} , SP3 ^{7, 13}	Microsoft MSCS	HA: 4	HPQ Dual-port mezzanine controller card	See ^{1, 2}
29	Proliant BL20p (G2)	Microsoft Windows 2000: Advanced Server SP3 ^{7, 13} , Server SP4 ⁷	Microsoft MSCS ⁴	HA: 4	HPQ Dual-port mezzanine controller card	See ^{1, 2}
30	Proliant DL740	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13} , SP3 ^{7, 13} , SP4 ⁷ ; Microsoft Windows 2000 Server: SP2 ^{7, 13} , SP3 ^{7, 13} , SP4 ⁷	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁵ , LP9802-E, LP9802DC-E, LP982-E; HPQ: FCA2354 (LP9002), FCA2355 (LP9002DC); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
31	Proliant DL740	Microsoft Windows 2000: Advanced Server SP3 ^{7, 13} , Server SP4 ⁷	Microsoft MSCS ⁴	HA: 4	Emulex LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ^{1, 2}
32	Proliant DL760 (G2)	Microsoft Windows 2000 Datacenter: SP2 ^{7, 13} , SP3 ⁷ , 13; Microsoft Windows 2000 Server: SP2 ^{7, 13} , SP3 ^{7, 13}	Microsoft MSCS ³	HA: 2	QLLogic QLA2310F-E-SP	See ^{1, 2, 5, 8}

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
33	Proliant DL760 ⁶	Microsoft Windows 2000 Advanced Server: SP2⁷, 13, SP3⁷, 13, SP4⁷ ; Microsoft Windows 2000: Datacenter SP4 ⁷ , Server SP4 ⁷	Microsoft MSCS ⁴	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
34	Proliant DL760 ⁶	Microsoft Windows 2000 Advanced Server: SP2⁷, 13, SP3⁷, 13, SP4⁷ ; Microsoft Windows 2000: Datacenter SP4 ⁷ , Server SP4 ⁷	Microsoft MSCS ⁴	HA: 2	QLLogic QLA2310F-E-SP	See ^{1, 2, 5}
35	Proliant: 2500 ⁶ , 3000 ⁶ , 5000 ⁶ , 5500 ^{6, 17} , 6000 ^{6, 17} , 6500 ^{6, 17} , 7000 ^{6, 17} , 8000 ^{6, 17}	Microsoft Windows 2000 Advanced Server: SP2⁷, 13, SP3⁷, 13, SP4⁷ ; Microsoft Windows 2000 Server SP4 ⁷	Microsoft MSCS ⁴		Emulex LP8000-EMC ¹⁵ ; HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ^{1, 2}
36	Proliant: 2500 ⁶ , 3000 ⁶ , 5000 ⁶ , 5500 ^{6, 17} , 6000 ^{6, 17} , 6500 ^{6, 17} , 7000 ^{6, 17} , 8000 ^{6, 17}	Microsoft Windows 2000 Advanced Server: SP2⁷, 13, SP4⁷	Oracle 9i RAC 9.2.0.1.0 ²⁴	RAC: 8	Emulex LP8000-EMC ^{8, 11, 15}	See ²
37	Proliant: 2500 ⁶ , 3000 ⁶ , 5000 ⁶ , 5500 ^{6, 17} , 6000 ^{6, 17} , 6500 ^{6, 17} , 7000 ^{6, 17} , 8000 ^{6, 17}	Microsoft Windows 2000 Advanced Server: SP2⁷, 13, SP4⁷ ; Microsoft Windows 2000 Server: SP2⁷, 13, SP3⁷, 13	Microsoft MSCS	HA: 4	Emulex LP8000-EMC ¹⁵ ; HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ^{1, 2}
38	Proliant: 2500 ⁶ , 3000 ⁶ , 5000 ⁶ , 5500 ^{6, 17} , 6000 ^{6, 17} , 6500 ^{6, 17} , 7000 ^{6, 17} , 8000 ^{6, 17}	Microsoft Windows 2000: Advanced Server SP3⁷, 13, Server SP4⁷	Microsoft MSCS ⁴	HA: 4	Emulex LP8000-EMC ¹⁵ ; HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ^{1, 2}
39	Proliant: 2500 ⁶ , 5000 ⁶ , 5500 ^{6, 17} , 6000 ^{6, 17}	Microsoft Windows 2000 Advanced Server: SP2⁷, 13, SP3⁷, 13, SP4⁷ ; Microsoft Windows 2000 Server: SP2⁷, 13, SP3⁷, 13, SP4⁷	Microsoft MSCS ³	HA: 2	QLLogic QLA2310F-E-SP	See ^{1, 2, 5, 8}
40	Proliant: 2500 ⁶ , 5000 ⁶ , 5500 ^{6, 17} , 6000 ^{6, 17}	Microsoft Windows 2000 Advanced Server: SP2⁷, 13, SP3⁷, 13, SP4⁷ ; Microsoft Windows 2000 Server: SP2⁷, 13, SP3⁷, 13, SP4⁷	Microsoft MSCS ³	HA: 2	QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2, 8}

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
41	Proliant: 2500 ⁶ , 5000 ⁶ , 6000 ⁶ , 17	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , 13, SP3 ⁷ , 13, SP4 ⁷ ; Microsoft Windows 2000 Server SP4 ⁷	Microsoft MSCS ^{3, 4}	HA: 2	Emulex LP8000-EMC ^{14, 15} , HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ^{1, 2}
42	Proliant: 2500 ⁶ , 5000 ⁶ , 6000 ⁶ , 17	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , 13, SP4 ⁷	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁹	HA: 4	Emulex LP8000-EMC ^{8, 11, 15}	See ²
43	Proliant: 2500 ⁶ , 5000 ⁶ , 6000 ⁶ , 17	Microsoft Windows 2000 Server: SP2 ⁷ , 13, SP3 ⁷ , 13	Microsoft MSCS ³	HA: 2	Emulex LP8000-EMC ^{14, 15} , HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ^{1, 2, 8}
44	Proliant: 3000 ⁶ , 5500 ⁶ , 17, 7000 ⁶ , 17	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , 13, SP3 ⁷ , 13, SP4 ⁷ ; Microsoft Windows 2000 Server: SP2 ⁷ , 13, SP3 ⁷ , 13, SP4 ⁷	Microsoft MSCS	HA: 4	Emulex LP9002-E (LP9002L-E)	See ^{1, 2}
45	Proliant: 3000 ⁶ , 6400R ⁶ , 6500 ⁶ , 17, 7000 ⁶ , 17, 8000 ⁶ , 17, 8500, BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, ML350(G2) ⁶ , ML350(G3), ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2), ML570 ⁶ , ML750 ⁶	Microsoft Windows 2000 Server: SP2 ⁷ , 13, SP3 ⁷ , 13	Microsoft MSCS ³	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 2, 5, 8}
46	Proliant: 3000 ⁶ , 6400R ⁶ , 6500 ⁶ , 17, 7000 ⁶ , 17, 8000 ⁶ , 17, BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, ML350(G2) ⁶ , ML350(G3), ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2) ²³ , ML570 ⁶ , ML750 ⁶ , 16	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , 13, SP3 ⁷ , 13, SP4 ⁷ ; Microsoft Windows 2000 Server SP4 ⁷	Microsoft MSCS ^{3, 4}	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 2, 5}
47	Proliant: 3000 ⁶ , 6400R ⁶ , 6500 ⁶ , 17, 7000 ⁶ , 17, 8000 ⁶ , 17, BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, ML350(G2) ⁶ , ML350(G3), ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2) ²³ , ML570 ⁶ , ML750 ⁶ , 16	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , 13, SP3 ⁷ , 13, SP4 ⁷ ; Microsoft Windows 2000 Server SP4 ⁷	Microsoft MSCS ^{3, 4}	HA: 2	QLogic QLA2342-E-SP	See ^{1, 2, 8}
48	Proliant: 3000 ⁶ , 7000 ⁶ , 17	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , 13, SP3 ⁷ , 13, SP4 ⁷ ; Microsoft Windows 2000 Server SP4 ⁷	Microsoft MSCS ^{3, 4}	HA: 2	Emulex: LP8000-EMC ^{14, 15} , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic QLA2340-E-SP	See ^{1, 2}

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
49	Proliant: 3000 ⁶ , 7000 ^{6, 17}	Microsoft Windows 2000 Server: SP2 ^{7, 13} , SP3 ^{7, 13}	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{14, 15} , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2, 8}
50	Proliant: 6400R ⁶ , BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, ML350(G2) ⁶ , ML350(G3), ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2), ML570 ⁶ , ML750 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13} , SP3 ^{7, 13} , SP4 ⁷ ; Microsoft Windows 2000 Server: SP2 ^{7, 13} , SP3 ^{7, 13} , SP4 ⁷	Microsoft MSCS	HA: 4	QLLogic QLA2310F-E-SP	See ^{1, 2, 5}
51	Proliant: 6400R ⁶ , BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, ML350(G2) ⁶ , ML350(G3), ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2), ML570 ⁶ , ML750 ⁶	Microsoft Windows 2000 Server: SP2 ^{7, 13} , SP3 ^{7, 13}	Microsoft MSCS ³	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ^{14, 15} , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2, 8}
52	Proliant: 6400R ⁶ , BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, ML350(G2) ⁶ , ML350(G3), ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2) ²³ , ML570 ⁶ , ML750 ^{6, 16}	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13} , SP3 ^{7, 13} , SP4 ⁷ ; Microsoft Windows 2000 Server SP4 ⁷	Microsoft MSCS ^{3, 4}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ^{14, 15} , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic QLA2340-E-SP	See ^{1, 2}

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
53	Proliant: 6400R ⁶ , BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , ML350(G2) ⁶ , ML350(G3) , ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2), ML570 ⁶ , ML750 ⁶	Microsoft Windows 2000 Advanced Server: SP2⁷, 13 , SP3⁷, 13 , SP4 ⁷ ; Microsoft Windows 2000 Server: SP2⁷, 13 , SP3⁷, 13 , SP4 ⁷	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
54	Proliant: 6400R ⁶ , BL40p, DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server SP4 ⁷	Oracle 9i RAC 9.2.0.1.0	RAC: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ²
55	Proliant: 6400R ⁶ , BL40p, DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server SP4 ⁷	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLLogic QLA2310F-E-SP ¹¹	See ^{2, 5}
56	Proliant: 6400R ⁶ , BL40p, DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server SP4 ⁷ , 27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ²
57	Proliant: 6400R ⁶ , BL40p, DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server SP4 ⁷ , 27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLLogic QLA2310F-E-SP ¹¹	See ^{2, 5}
58	Proliant: 6500 ^{6, 17} , 8000 ^{6, 17}	Microsoft Windows 2000 Advanced Server: SP2⁷, 13 , SP3⁷, 13 , SP4 ⁷ ; Microsoft Windows 2000 Server SP4 ⁷	Microsoft MSCS ^{3, 4}	HA: 2	Emulex LP8000-EMC ^{14, 15} , HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic QLA2340-E-SP	See ^{1, 2}
59	Proliant: 6500 ^{6, 17} , 8000 ^{6, 17}	Microsoft Windows 2000 Server: SP2⁷, 13 , SP3⁷, 13	Microsoft MSCS ³	HA: 2	Emulex LP8000-EMC ^{14, 15} , HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2, 8}

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
60	Proliant: 8500, DL760 (G2)	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , 13, SP3 ⁷ , 13, SP4 ⁷ ; Microsoft Windows 2000: Datacenter SP4 ⁷ , Server SP4 ⁷	Microsoft MSCS ^{3, 4}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ^{14, 15} , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic QLA2340-E-SP	See ^{1, 2}
61	Proliant: 8500, DL760 (G2)	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , 13, SP3 ⁷ , 13, SP4 ⁷ ; Microsoft Windows 2000: Datacenter SP4 ⁷ , Server SP4 ⁷	Microsoft MSCS ^{3, 4}	HA: 2	QLLogic QLA2310F-E-SP	See ^{1, 2, 5}
62	Proliant: 8500, DL760 (G2)	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , 13, SP3 ⁷ , 13, SP4 ⁷ ; Microsoft Windows 2000: Datacenter SP4 ⁷ , Server SP4 ⁷	Microsoft MSCS ^{3, 4}	HA: 2	QLLogic QLA2342-E-SP	See ^{1, 2, 8}
63	Proliant: 8500, DL760 (G2)	Microsoft Windows 2000 Datacenter: SP2⁷, 13, SP3⁷, 13; Microsoft Windows 2000 Server: SP2⁷, 13, SP3⁷, 13	Microsoft MSCS ⁹	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ^{14, 15} , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2, 8}
64	Proliant: DL740, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , 13, SP4 ⁷ ; Microsoft Windows 2000 Server: SP2 ⁷ , 13, SP3 ⁷ , 13	Microsoft MSCS	HA: 4	Emulex LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ^{1, 2}
65	Proliant: DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ⁷ , 13, SP3 ⁷ , 13, SP4 ⁷ ; Microsoft Windows 2000 Datacenter: SP2 ⁷ , 13, SP3 ⁷ , 13, SP4 ⁷ ; Microsoft Windows 2000 Server: SP2 ⁷ , 13, SP3 ⁷ , 13, SP4 ⁷	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁵ , LP9802-E, LP9802DC-E, LP982-E; HPQ: FCA2354 (LP9002), FCA2355 (LP9002DC); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
66	Proliant: DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13} , SP3 ^{7, 13} , SP4 ⁷ ; Microsoft Windows 2000 Datacenter: SP2 ^{7, 13} , SP3 ^{7, 13} , SP4 ⁷ ; Microsoft Windows 2000 Server: SP2 ^{7, 13} , SP3 ^{7, 13} , SP4 ⁷	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 2, 5}
67	Proliant: DL760 (G2), DL760 ^{6, 21}	Microsoft Windows 2000: Advanced Server SP2 ^{7, 13} , Datacenter SP2 ^{7, 13, 22} , Datacenter SP3 ^{7, 13} , Datacenter SP4 ⁷ , Server SP4 ⁷	Microsoft MSCS ⁴	HA: 4	Emulex LP9002-E (LP9002L-E); HPQ: A7298A (LP982) DS-KGPSA-CA (LP8000) DS-KGPSA-CB (LP8000) DS-KGPSA-CY (LP8000) FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ^{1, 2}
68	Proliant: ML530(G2) ⁶ , ML530 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13} , SP4 ⁷	Oracle 9i RAC 9.2.0.1.0 ²⁴	RAC: 8	Emulex: LP8000-EMC ^{8, 11, 15} , LP9002-E (LP9002L-E) ⁸ , LP9802-E ^{8, 11, 12} , LP9802DC-E ^{8, 11, 12} , LP982-E ^{8, 11, 12} ; QLogic: QLA2340-E-SP ^{8, 11, 12} , QLA2342-E-SP ^{11, 12}	See ²
69	Proliant: ML530(G2) ⁶ , ML530 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{7, 13} , SP4 ⁷	Oracle 9i RAC 9.2.0.1.0 ²⁴	RAC: 8	QLogic QLA2310F-E-SP ^{8, 10, 11}	See ^{2, 5}

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- CLARiiON FC4500 array is also supported for these configurations.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- Supported by direct attach only
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- GAB disks (membership and service group heartbeat disks) are not supported.
- If using ATF/CDE, requires 2.1.6 or greater..
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- PowerPath supported. ATF/CDE not supported.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- LP8000 no longer has removable GBICs for copper cable support.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- Includes both Pentium PRO and XEON models
- HP NetServer LC2000 is only supported with two processors.Uni-Processor configurations are not supported
- Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0.
VxVM not supported.
PowerPath 3.0 supported.
Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
- CX600 only.
- PowerPath not supported. ATF is supported.
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
- Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0
. VxVm not supported. PowerPath 3.0 supported.
- Supports BIOS 1.34. Supports SNIA HBA API. Driver and BIOS available at <http://www.qlogic.com>.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\]:823728](http://support.microsoft.com/default.aspx?scid=kb;[LN]:823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Oracle Cluster File System 1.x supported for 9i RAC 9.2.0.3. PowerPath 3.02

IBM

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	eServer BladeCenter HS20 (Model 8678) ^{22, 23}	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵	Microsoft MSCS ^{3, 24}	HA: 4	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{20, 21}	See ^{1, 2}
2	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ¹⁵ , 7100, 7600; xSeries: X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x445	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵ ; Microsoft Windows 2000 Server SP4 ⁵	Microsoft MSCS ³	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 2, 8}
3	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁵ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 14} , SP4 ⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁹	HA: 4	QLogic QLA2310F-E-SP ^{10, 11, 13}	See ^{2, 8}

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ¹⁵ , 7100	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 14, SP3 ⁵ , 14, SP4 ⁵ ; Microsoft Windows 2000 Server SP4 ⁵	Microsoft MSCS ³	HA: 2	Emulex LP8000-EMC ⁴ ; IBM: 19K1246(QLA2310) ^{6, 7} , 24P0960(QLA2340) ¹⁷ , 18; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
5	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ¹⁵ , 7100	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 14, SP4 ⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 4	Emulex LP8000-EMC ⁴ , 10, 11; IBM: 19K1246(QLA2310) ^{6, 7, 10, 11} , 24P0960(QLA2340) ^{10, 11, 12, 17, 18} ; QLogic: QLA2340-E-SP ^{10, 11, 12} , QLA2342-E-SP ^{11, 12}	See ²
6	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ¹⁵ , 7100	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 14, SP4 ⁵	Veritas Cluster Server (VCS) 2.0 ⁹	HA: 4	Emulex LP8000-EMC ⁴ , 10, 11; IBM: 19K1246(QLA2310) ^{6, 7, 10, 11} , 24P0960(QLA2340) ¹⁷ ; QLogic: QLA2340-E-SP ^{10, 11, 12} , QLA2342-E-SP ^{11, 12}	See ²
7	Netfinity: 5600, 6000R, 7600; xSeries: X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x445	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 14, SP3 ⁵ , 14, SP4 ⁵ ; Microsoft Windows 2000 Server SP4 ⁵	Microsoft MSCS ³	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ^{6, 7} , 24P0960(QLA2340) ¹⁷ , 18; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
8	Netfinity: 5600, 7600, 8500R; xSeries: X330, X335	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 14, SP4 ⁵	Veritas Cluster Server (VCS) 2.0 ⁹	HA: 4	Emulex: LP8000-EMC ⁴ , 10, 11, LP9002-E (LP9002L-E) ¹⁰ , LP9802-E ^{10, 11, 12} , LP9802DC-E ¹⁰ , 11, 12, LP982-E ^{10, 11, 12} ; IBM: 19K1246(QLA2310) ^{6, 7, 10, 11} , 24P0960(QLA2340) ¹⁷ ; QLogic: QLA2340-E-SP ^{10, 11, 12} , QLA2342-E-SP ^{11, 12}	See ²
9	Netfinity: 5600, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 14, SP4 ⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 4	Emulex: LP8000-EMC ⁴ , 10, 11, LP9002-E (LP9002L-E) ¹⁰ , LP9802-E ^{10, 11, 12} , LP9802DC-E ¹⁰ , 11, 12, LP982-E ^{10, 11, 12} ; IBM: 19K1246(QLA2310) ^{6, 7, 10, 11} , 24P0960(QLA2340) ^{10, 11, 12, 17, 18} ; QLogic: QLA2340-E-SP ^{10, 11, 12} , QLA2342-E-SP ^{11, 12}	See ²
10	Netfinity: 8500, 8500R; xSeries: x370, x440	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 14, SP3 ⁵ , 14, SP4 ⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP4 ⁵	Microsoft MSCS ³	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ^{6, 7} , 24P0960(QLA2340) ¹⁷ , 18; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
11	Netfinity: 8500, 8500R; xSeries: x370, x440	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 14, SP3 ⁵ , 14, SP4 ⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP4 ⁵	Microsoft MSCS ³	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 2, 8}
12	xSeries x360	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 14, SP4 ⁵	Oracle 9i RAC 9.2.0.1.0 ¹⁶	RAC: 8	Emulex: LP9002-E (LP9002L-E) ¹⁰ , LP9802-E, LP9802DC-E ^{10, 11, 12} , LP982-E; IBM: 19K1246(QLA2310) ^{7, 10, 11} , 24P0960(QLA2340) ¹⁷	See ²
13	xSeries x360	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 14, SP4 ⁵	Oracle 9i RAC 9.2.0.1.0 ¹⁶	RAC: 8	QLogic QLA2310F-E-SP ^{10, 11}	See ^{2, 8}
14	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x235, x240, x250, x255, x345, x350 (6000R), x360, x445	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 14, SP3 ⁵ , 14, SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , 14, SP3 ⁵ , 14, SP4 ⁵	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ⁷ , 24P0960(QLA2340) ¹⁷ ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
15	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x235, x240, x250, x255, x345, x350 (6000R), x360, x445	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 14, SP3 ⁵ , 14, SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , 14, SP3 ⁵ , 14, SP4 ⁵	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 2, 8}
16	xSeries: X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x370	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 14, SP4 ⁵	Veritas Cluster Server (VCS) 2.0 ⁹	HA: 4	Emulex: LP8000-EMC ⁴ , 10, 11, LP9002-E (LP9002L-E) ¹⁰ , LP9802-E ^{10, 11, 12} , LP9802DC-E ¹⁰ , 11, 12, LP982-E ^{10, 11, 12} ; IBM: 19K1246(QLA2310) ^{6, 7, 10, 11} , 24P0960(QLA2340) ^{10, 11, 12, 17, 18} ; QLogic: QLA2340-E-SP ^{10, 11, 12} , QLA2342-E-SP ^{11, 12}	See ²
17	xSeries: x370, x440	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 14, SP3 ⁵ , 14, SP4 ⁵ ; Microsoft Windows 2000 Datacenter: SP2 ⁵ , 14, SP3 ⁵ , 14, SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ⁵ , 14, SP3 ⁵ , 14, SP4 ⁵	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ⁷ , 24P0960(QLA2340) ¹⁷ ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
18	xSeries: x370, x440	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 14, SP3 ^{5, 14} , SP4 ⁵ ; Microsoft Windows 2000 Datacenter: SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 2, 8}
19	xSeries: x440, x445	Microsoft Windows 2000 Advanced Server: SP2 ⁵ , 14, SP4 ⁵	Veritas Cluster Server (VCS) 2.0 ⁹	HA: 4	Emulex: LP8000-EMC ^{4, 10, 11} , LP9002-E (LP9002L-E) ¹⁰ , LP9802-E ^{10, 11, 12} , LP9802DC-E ^{10, 11, 12} , LP982-E ^{10, 11, 12} ; IBM: 19K1246(QLA2310) ^{6, 7, 10, 11} , 24P0960(QLA2340) ^{10, 11, 12, 17, 18, 19} ; QLogic: QLA2340-E-SP ^{10, 11, 12} , QLA2342-E-SP ^{11, 12}	See ²

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
 - CLARiiON FC4500 array is also supported for these configurations.
 - Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
 - The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
 - EMC recommends that HBAs of different vendors not be used in the same host server.
 - IBM xSeries Servers only:
 - This HBA is equivalent to the qLogic QLA2310.
 - Supported by direct attach only
 - GAB disks (membership and service group heartbeat disks) are not supported.
 - FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
 - If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
 - PowerPath supported. ATF/CDE not supported.
 - If using ATF/CDE, requires 2.1.6 or greater.
 - Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
 - This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
 - Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0.
 - VxVM not supported.
 - PowerPath 3.0 supported.
 - This HBA is equivalent to the qLogic QLA2340.
 - For CX200 direct-connect only, boot from array for clusters not supported.
 - If using ATF/CDE, requires 2.1.6 or greater.
 - When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"
- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
 - Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
 - EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
 - Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.

NCR

NCR – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Worldmark: 4500, 45xx, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 5} , SP3 ^{3, 5} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 5} , SP3 ^{3, 5} , SP4 ³	Microsoft MSCS	HA: 4	Emulex: LP1000-E, LP1000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁶ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
2	Worldmark: 4500, 45xx, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 5} , SP3 ^{3, 5} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 5} , SP3 ^{3, 5} , SP4 ³	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 2, 4}

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- CLARiiON FC4500 array is also supported for these configurations.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Supported by direct attach only
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

NEC

NEC – Microsoft Windows 2000				
No.	Host System	Operating System	Cluster Software	Host Bus Adapter
1	Express 5800 180Rb-7	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	Microsoft MSCS	NEC: N8103-200, N8190-105
2	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Rb-7, 140Rb-4, 140Rc-4, 180Ha, 180Rc-4	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹	Microsoft MSCS	NEC: N8103-200, N8190-105

- EMC recommends that HBAs of different vendors not be used in the same host server.

Unisys

Unisys – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	ES7000/100	Microsoft Windows 2000 Advanced Server: SP2⁵, 12, SP3⁵, 12, SP4⁵ ; Microsoft Windows 2000 Datacenter SP4 ⁵	Microsoft MSCS ³	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 2, 6}
2	ES7000/100	Microsoft Windows 2000 Advanced Server: SP2⁵, 12, SP3⁵, 12, SP4⁵ ; Microsoft Windows 2000 Datacenter: SP2⁵, 12, SP3⁵, 12, SP4⁵	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 2, 6}
3	ES7000/100	Microsoft Windows 2000 Server SP4 ⁵	Microsoft MSCS ³	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 2}
4	ES7000/100	Microsoft Windows 2000 Server: SP2⁵, 12, SP3⁵, 12, SP4⁵	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 2}
5	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2⁵, 12, SP3⁵, 12, SP4⁵ ; Microsoft Windows 2000 Datacenter: SP2⁵, 12, SP3⁵, 12, SP4⁵ ; Microsoft Windows 2000 Server: SP2⁵, 12, SP3⁵, 12, SP4⁵	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
6	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2⁵, 12, SP3⁵, 12, SP4⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP4 ⁵	Microsoft MSCS ³	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP; Unisys FCH732213-P64 (LP9002L-F2) ⁵	See ^{1, 2}
7	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2⁵, 12, SP4⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁷	HA: 4	Emulex: LP8000-EMC ^{4, 8, 9} , LP9002-E (LP9002L-E) ⁸ , LP9802-E ^{8, 9, 10} , LP9802DC-E ^{8, 9, 10} , LP982-E ^{8, 9, 10} ; QLogic: QLA2340-E-SP ^{8, 9} , QLA2342-E-SP ^{9, 10} ; Unisys FCH732213-P64 (LP9002L-F2) ⁵	See ²
8	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2⁵, 12, SP4⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁷	HA: 4	QLogic QLA2310F-E-SP ^{8, 9, 11}	See ^{2, 6}
9	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2⁵, 12, SP4⁵ ; Microsoft Windows 2000 Server: SP2⁵, 12, SP3⁵, 12	Microsoft MSCS	HA: 4	Emulex LP9002-E (LP9002L-E)	See ^{1, 2}
10	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000: Advanced Server SP3⁵, 12, Datacenter SP2⁵, 5, 12, 13, Datacenter SP3⁵, 12, Datacenter SP4⁵, Server SP4⁵	Microsoft MSCS ³	HA: 4	Emulex LP9002-E (LP9002L-E); Unisys FCH732213-P64 (LP9002L-F2) ⁵	See ^{1, 2}
11	ES7000/100; ES7000/200 ¹⁴ ; ES7000/230	Microsoft Windows 2000: Advanced Server SP3⁵, 12, Datacenter SP2⁵, 5, 12, 13, Datacenter SP3⁵, 12, Datacenter SP4⁵, Server SP4⁵	Microsoft MSCS		Emulex LP8000-EMC ⁴ ; Unisys FCH732213-P64 (LP9002L-F2) ⁵	See ^{1, 2}
12	ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2⁵, 12, SP3⁵, 12, SP4⁵ ; Microsoft Windows 2000 Datacenter: SP2⁵, 12, SP3⁵, 12, SP4⁵ ; Microsoft Windows 2000 Server: SP2⁵, 12, SP3⁵, 12, SP4⁵	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 2, 6}
13	ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2⁵, 12, SP3⁵, 12, SP4⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP4 ⁵	Microsoft MSCS ³	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 2, 6}
14	ES7000/520; ES7000/530; ES7000/540	Microsoft Windows 2000 Advanced Server: SP2⁵, 12, SP3⁵, 12, SP4⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP2 ⁵ , 12, Server SP3 ⁵ , 12, Server SP4 ⁵	Microsoft MSCS	HA: 2	Unisys FCH732213-P64 (LP9002L-F2)	See ^{1, 2}

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- CLARiiON FC4500 array is also supported for these configurations.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Supported by direct attach only
- GAB disks (membership and service group heartbeat disks) are not supported.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- PowerPath supported. ATF/CDE not supported.
- If using ATF/CDE, requires 2.1.6 or greater..

- 12. Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- 13. PowerPath not supported. ATF is supported.
- 14. FC4500, FC4700 only.

Microsoft Windows 2003

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

Dell

Dell – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 3250 (Itanium 2)	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{8, 9, 10}	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁷
2	PowerEdge: 1550, 1650, 1750, 2450, 2500, 2550 ⁶ , 2600, 2650, 4600, 6400, 6450, 6600, 6650, 8450; PowerVault: 770N, 775N	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ³ , Standard Edition (Server) ³	Microsoft MSCS ⁴	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}

- 1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- 2. CLARiiON FC4500 array is also supported for these configurations.
- 3. EMC recommends that HBAs of different vendors not be used in the same host server.
- 4. Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- 5. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- 6. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- 7. **No EMC Layered Applications supported on IA64 server platforms**
- 8. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- 9. MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- 10. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.

HPQ

HPQ – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Proliant 6500 ^{5, 9}	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ³ , Standard Edition (Server) ³	Microsoft MSCS ⁴	HA: 4	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
2	Proliant BL20p (G2)	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ³ , Standard Edition (Server) ³	Microsoft MSCS ⁴	HA: 4	HPQ Dual-port mezzanine controller card ^{6, 7}	See ^{1, 2}
3	Proliant: 3000 ⁵ , 7000 ^{5, 9}	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ³ , Standard Edition (Server) ³	Microsoft MSCS ⁴	HA: 4	Emulex LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ^{1, 2}

HPQ – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
4	Proliant: 8500, BL40p, DL320 ⁵ , DL360(G2) ⁵ , DL360(G3), DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL560, DL580(G2) ⁵ , DL580(G3), DL580 ⁵ , DL740, DL760(G2), DL760 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570(G2), ML570 ⁵ , ML750 ⁵	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ³ , Standard Edition (Server) ³	Microsoft MSCS ⁴	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{1,2}

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- CLARiiON FC4500 array is also supported for these configurations.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Supports BIOS 1.34. Supports SNIA HBA API. Driver and BIOS available at <http://www.qlogic.com>.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Includes both Pentium PRO and XEON models

IBM

IBM – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	eServer BladeCenter HS20 (Model 8678) ⁸	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ³ , Standard Edition (Server) ³	Microsoft MSCS ⁴ , 11, 12	HA: 4	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{9, 10}	See ^{1,2}
2	xSeries x450	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{11, 12, 14}	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹³
3	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x235, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ³ , Standard Edition (Server) ³	Microsoft MSCS ⁴	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁷ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ⁵ , 24P0960(QLA2340) ⁶ ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{1,2}

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
 - CLARiiON FC4500 array is also supported for these configurations.
 - EMC recommends that HBAs of different vendors not be used in the same host server.
 - Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
 - This HBA is equivalent to the qLogic QLA2310.
 - This HBA is equivalent to the qLogic QLA2340.
 - The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
 - EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
 - When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"
- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
 - Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
 - Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
 - No EMC Layered Applications supported on IA64 server platforms
 - MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.

NCR

NCR – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Worldmark: 4500, 45xx, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ³ , Standard Edition (Server) ³	Microsoft MSCS ⁴	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{1,2}

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- CLARiiON FC4500 array is also supported for these configurations.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

NEC

NEC – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Express 5800: 1080Xd, 1160Xd, 1320Xd	Microsoft Windows 2003 64-Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{2, 3, 4}	HA: 4	NEC: NT2007A-A001 ⁶ , NT2010A-A001 ⁵	See ¹

- No EMC Layered Applications supported on IA64 server platforms**
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- This HBA is equivalent to the qLogic QLA2340.
- This HBA is equivalent to the Emulex LP982.

Unisys

Unisys – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ³ , Standard Edition (Server) ³	Microsoft MSCS ⁴	HA: 4	Emulex: LP1000-E, LP1000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{1, 2}
2	ES7000/130; ES7000/410; ES7000/420; ES7000/430	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{7, 8, 9}	HA: 4	Emulex: LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP; Unisys FCH742313-P64 (LP9802)	See ⁶
3	ES7000/520; ES7000/530; ES7000/540	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ³ , Standard Edition (Server) ³	Microsoft MSCS	HA: 2	Unisys FCH742313-P64 (LP9802)	See ^{1, 2}

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- CLARiiON FC4500 array is also supported for these configurations.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- No EMC Layered Applications supported on IA64 server platforms**
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.

Microsoft Windows NT

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- Lost connection to external storage (pulled or damaged cable connection).
- External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- External storage director failures including failed lasers on Fibre Channel directors.
- External storage power failure.
- Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

DG

DG – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	AViiON: AV1400, AV2800, AV3700, AV3800	Microsoft Windows NT 4.0 SP6A ⁴	Microsoft MSCS ⁵	HA: 2	Emulex LP8000-EMC ^{2, 6, 7, 8} , QLogic: QLA2310F-E-SP ^{2, 8, 9} , QLA2340-E-SP ^{2, 8} , QLA2342-E-SP ^{2, 8}	See ^{1, 2, 3}
2	AViiON: AV2300, AV3704R, AV8950	Microsoft Windows NT 4.0 SP6A ⁴	Microsoft MSCS ⁵	HA: 2	Emulex: LP8000-EMC ^{2, 6, 7, 8} , LP9002-E (LP9002L-E) ^{2, 8} , LP9802-E ^{2, 8} , LP9802DC-E ^{2, 8} , LP982-E ^{2, 8} , QLogic: QLA2310F-E-SP ^{2, 8, 9} , QLA2340-E-SP ^{2, 8} , QLA2342-E-SP ^{2, 8}	See ^{1, 2, 3}

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- CLARiiON FC4500 array is also supported for these configurations.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
- LP8000 no longer has removable GBICs for copper cable support.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- If using ATF/CDE, requires 2.0.9 or greater.

Dell

Dell – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 2650	Microsoft Windows NT 4.0 SP6A ⁴	Microsoft MSCS ⁵	HA: 2	Emulex: LP9002-E (LP9002L-E) ^{2, 8} , LP9802-E ^{2, 8} , LP9802DC-E ^{2, 8} , LP982-E ^{2, 8} , QLogic: QLA2310F-E-SP ^{2, 8, 9} , QLA2340-E-SP ^{2, 8} , QLA2342-E-SP ^{2, 8}	See ^{1, 2, 3}
2	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ¹⁰ , 2600, 4600, 6300, 6350, 6400, 6450, 6600, 6650, 8450	Microsoft Windows NT 4.0 SP6A ⁴	Microsoft MSCS ⁵	HA: 2	Emulex: LP8000-EMC ^{2, 6, 7, 8} , LP9002-E (LP9002L-E) ^{2, 8} , LP9802-E ^{2, 8} , LP9802DC-E ^{2, 8} , LP982-E ^{2, 8} , QLogic: QLA2310F-E-SP ^{2, 8, 9} , QLA2340-E-SP ^{2, 8} , QLA2342-E-SP ^{2, 8}	See ^{1, 2, 3}
3	PowerEdge: 2300, 6100	Microsoft Windows NT 4.0 SP6A ⁴	Microsoft MSCS ⁵	HA: 2	Emulex LP8000-EMC ^{2, 6, 7, 8} , QLogic: QLA2310F-E-SP ^{2, 8, 9} , QLA2340-E-SP ^{2, 8} , QLA2342-E-SP ^{2, 8}	See ^{1, 2, 3}

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- CLARiiON FC4500 array is also supported for these configurations.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
- LP8000 no longer has removable GBICs for copper cable support.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- If using ATF/CDE, requires 2.0.9 or greater.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.

HPQ

HPQ – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserver LC: 2000 U3, 2000R; Netserver LT 6000R; Proliant: 6400R ¹¹ , 8500, DL320 ¹¹ , DL360(G2) ¹¹ , DL360(G3), DL360 ¹¹ , DL380(G2) ¹¹ , DL380(G3), DL380 ¹¹ , DL560, DL580(G2) ¹¹ , DL580(G3), DL580 ¹¹ , DL740, DL760 (G2), DL760 ¹¹ , ML350(G2) ¹¹ , ML350(G3), ML350 ¹¹ , ML370(G2), ML370(G3), ML370 ¹¹ , ML530(G2) ¹¹ , ML530 ¹¹ , ML750 ⁹	Microsoft Windows NT 4.0 SP6A ⁴	Microsoft MSCS ⁵	HA: 2	Emulex: LP8000-EMC ^{2, 6, 7, 8} , LP9002-E (LP9002L-E) ^{2, 8} , LP9802-E ^{2, 8} , LP9802DC-E ^{2, 8} , LP982-E ^{2, 8} , HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP ^{2, 8, 10} , QLA2340-E-SP ^{2, 8} , QLA2342-E-SP ^{2, 8}	See ^{1, 2, 3}
2	Netserver LH: 3000, 6000; Netserver LXR: 8000, 8500	Microsoft Windows NT 4.0 SP6A ⁴	Microsoft MSCS ⁵	HA: 2	Emulex LP8000-EMC ^{2, 6, 7, 8} , HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP ^{2, 8, 10} , QLA2340-E-SP ^{2, 8} , QLA2342-E-SP ^{2, 8}	See ^{1, 2, 3}
3	Netserver LH: 3, 4, II, PRO; Netserver: LX PRO, LXR PRO, LXR PROs; Proliant: 1600 ^{11, 13} , 1850 ¹¹ , 2500 ¹¹ , 5000 ¹¹ , 6000 ^{11, 12} , 6500 ^{11, 12} , 8000 Pro, 8000 Xeon, 8000 ^{11, 12}	Microsoft Windows NT 4.0 SP6A ⁴	Microsoft MSCS ⁵	HA: 2	Emulex LP8000-EMC ^{2, 6, 7, 8} , QLogic: QLA2310F-E-SP ^{2, 8, 10} , QLA2340-E-SP ^{2, 8} , QLA2342-E-SP ^{2, 8}	See ^{1, 2, 3}
4	Proliant 850 ¹¹	Microsoft Windows NT 4.0 SP6A ⁴	Microsoft MSCS ⁵	HA: 2	Emulex: LP8000-EMC ^{2, 6, 7, 8} , LP9802-E ^{2, 8} , LP9802DC-E ^{2, 8} , LP982-E ^{2, 8} , HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP ^{2, 8, 10} , QLA2340-E-SP ^{2, 8} , QLA2342-E-SP ^{2, 8}	See ^{1, 2, 3}
5	Proliant: 3000 ¹¹ , 5500 ^{11, 12} , 7000 ^{11, 12}	Microsoft Windows NT 4.0 SP6A ⁴	Microsoft MSCS ⁵	HA: 2	Emulex: LP8000-EMC ^{2, 6, 7, 8} , LP9002-E (LP9002L-E) ^{2, 8} , QLogic: QLA2310F-E-SP ^{2, 8, 10} , QLA2340-E-SP ^{2, 8} , QLA2342-E-SP ^{2, 8}	See ^{1, 2, 3}

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- CLARiiON FC4500 array is also supported for these configurations.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
- LP8000 no longer has removable GBICs for copper cable support.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.

9. HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
10. If using ATF/CDE, requires 2.0.9 or greater.
11. Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
12. Includes both Pentium PRO and XEON models
13. This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.

IBM

IBM – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ¹⁰ , 7100	Microsoft Windows NT 4.0 SP6A ⁴	Microsoft MSCS ⁵	HA: 2	Emulex LP8000-EMC ^{2, 6, 7, 8} , IBM: 19K1246(QLA2310) ^{2, 8, 9, 11} , 24P0960(QLA2340) ^{2, 8, 12, 13} , QLogic: QLA2310F-E-SP ^{2, 8, 9} , QLA2340-E-SP ^{2, 8} , QLA2342-E-SP ^{2, 8}	See ^{1, 2, 3}
2	Netfinity: 5600, 7600, 8500R; xSeries: X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Microsoft Windows NT 4.0 SP6A ⁴	Microsoft MSCS ⁵	HA: 2	Emulex: LP8000-EMC ^{2, 6, 7, 8} , LP9002-E (LP9002L-E) ^{2, 8} , LP9802-E ^{2, 8} , LP9802DC-E ^{2, 8} , LP982-E ^{2, 8} , IBM: 19K1246(QLA2310) ^{2, 8, 9, 11} , 24P0960(QLA2340) ^{2, 8, 12, 13} , QLogic: QLA2310F-E-SP ^{2, 8, 9} , QLA2340-E-SP ^{2, 8} , QLA2342-E-SP ^{2, 8}	See ^{1, 2, 3}

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
3. CLARiiON FC4500 array is also supported for these configurations.
4. EMC recommends that HBAs of different vendors not be used in the same host server.
5. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
6. LP8000 no longer has removable GBICs for copper cable support.
7. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
8. If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
9. If using ATF/CDE, requires 2.0.9 or greater.
10. This server only supports 5 Volt HBAs: qLogic 22XX family, qLogic 23XX family, Emulex LP8000, and Emulex LP850
11. This HBA is equivalent to the qLogic QLA2310.
12. This HBA is equivalent to the qLogic QLA2340.
13. For CX200 direct-connect only, boot from array for clusters not supported.

Unisys

Unisys – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	ES7000/100; ES7000/200	Microsoft Windows NT 4.0 SP6A ⁴	Microsoft MSCS ⁵	HA: 2	Emulex: LP8000-EMC ^{2, 6, 7, 8} , LP9002-E (LP9002L-E) ^{2, 8}	See ^{1, 2, 3}
2	ES7000/230	Microsoft Windows NT 4.0 SP6A ⁴	Microsoft MSCS ⁵	HA: 2	Emulex: LP8000-EMC ^{2, 6, 7, 8} , LP9002-E (LP9002L-E) ^{2, 8} , LP9802-E ^{2, 8} , LP982-E ^{2, 8}	See ^{1, 2, 3}

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
3. CLARiiON FC4500 array is also supported for these configurations.
4. EMC recommends that HBAs of different vendors not be used in the same host server.
5. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
6. LP8000 no longer has removable GBICs for copper cable support.
7. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
8. If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.

Novell Network Dell

Dell – Novell Network						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁷ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Network 5.10: SP5 ^{1, 2, 4, 5} , SP6	Novell Network Cluster Services Server (NCS) v1.01	HA: 16	QLogic: QLA2200F-EMC, QLA2310F-E-SP ¹ , QLA2340-E-SP ⁶	See ^{1, 2, 3}
2	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁷ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Network 6.0: SP1 ^{1, 2, 4, 8} , SP2 ^{1, 2, 4, 8} , SP3 ⁸	Novell Network Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340-E-SP ⁶	See ^{1, 2, 3}
3	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁷ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Network 6.0: SP1 ^{1, 2, 4, 8} , SP2 ^{1, 2, 4, 8} , SP3 ⁸ , Novell Network 6.5 ^{8, 9}	Novell Network Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2310F-E-SP	See ^{1, 2, 3}
4	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁷ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Network 6.5 ^{8, 9}	Novell Network Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340-E-SP	See ^{1, 2, 3}
5	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁷ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Network 6.5 ^{8, 9}	Novell Network Cluster Services Server (NCS) v1.7		QLogic: QLA2310F-E-SP, QLA2340-E-SP	See ^{1, 2, 3}

1. Novell Storage Services supported.
2. Powerpath & ATF supported.
3. CLARiiON FC4500 array is also supported for these configurations.
4. Maximum number of NWFS volumes that can be mounted is 64.
5. Requires NetWare patches: NWPAPT2A and NSS5J.
6. FC-AL for CX200 requires the following:
 - 1) QLA2340 driver version 6.50v available at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
 - 2) If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
7. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
8. NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
9. Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.

HPQ

HPQ – Novell Netware						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserver LC: 2000 U3, 2000R; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{8,10} , 1850 ⁸ , 2500 ⁸ , 3000 ⁸ , 5000 ⁸ , 5500 ^{8,9} , 6000 ^{8,9} , 6400R ⁸ , 6500 ^{8,9} , 7000 ^{8,9} , 8000 ^{8,9} , 8500, 850 ⁸ , DL320 ⁸ , DL360(G2) ⁸ , DL360(G3), DL360 ⁸ , DL380(G2) ⁸ , DL380(G3), DL380 ⁸ , DL560, DL580(G2) ⁸ , DL580(G3), DL580 ⁸ , DL740, DL760 (G2), DL760 ⁸ , ML350(G2) ⁸ , ML350(G3), ML350 ⁸ , ML370(G2), ML370(G3), ML370 ⁸ , ML530(G2) ⁸ , ML530 ⁸ , ML570(G2) ¹³ , ML570 ⁸ , ML750 ⁶	Novell Netware 5.10: SP5 ^{1,2,4,5} , SP6	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	QLogic: QLA2200F–EMC, QLA2310F–E–SP ⁷ , QLA2340–E–SP ⁷	See ^{1,2,3}
2	Netserver: LC 2000 U3, LH 3, LH 3000, LH 4, LH 6000, LH II, LH PRO, LH III, LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	Novell Netware 6.0: SP1 ^{1,2,4,11} , SP2 ^{1,2,4,11} , SP3 ¹¹	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340–E–SP ⁷	See ^{1,2,3}
3	Netserver: LC 2000 U3, LH 3, LH 3000, LH 4, LH 6000, LH II, LH PRO, LH III, LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	Novell Netware 6.0: SP1 ^{1,2,4,11} , SP2 ^{1,2,4,11} , SP3 ¹¹ ; Novell Netware 6.5 ^{11,14}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2310F–E–SP	See ^{1,2,3}
4	Netserver: LC 2000 U3, LH 3, LH 3000, LH 4, LH 6000, LH II, LH PRO, LH III, LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{8,10} , 1850 ⁸ , 2500 ⁸ , 3000 ⁸ , 5000 ⁸ , 5500 ^{8,9} , 6000 ^{8,9} , 6400R ⁸ , 6500 ^{8,9} , 7000 ^{8,9} , 8000 ^{8,9} , 8500, 850 ⁸ , DL320 ⁸ , DL360(G2) ⁸ , DL360(G3), DL360 ⁸ , DL380(G2) ⁸ , DL380(G3), DL380 ⁸ , DL560, DL580(G2) ⁸ , DL580(G3), DL580 ⁸ , DL740, DL760 (G2), DL760 ⁸ , ML350(G2) ⁸ , ML350(G3), ML350 ⁸ , ML370(G2), ML370(G3), ML370 ⁸ , ML530(G2) ⁸ , ML530 ⁸ , ML570(G2) ¹³ , ML570 ⁸ , ML750 ⁶	Novell Netware 6.5 ^{11,14}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340–E–SP	See ^{1,2,3}
5	Netserver: LC 2000 U3, LH 3, LH 3000, LH 4, LH 6000, LH II, LH PRO, LH III, LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{8,10} , 1850 ⁸ , 2500 ⁸ , 3000 ⁸ , 5000 ⁸ , 5500 ^{8,9} , 6000 ^{8,9} , 6400R ⁸ , 6500 ^{8,9} , 7000 ^{8,9} , 8000 ^{8,9} , 8500, 850 ⁸ , DL320 ⁸ , DL360(G2) ⁸ , DL360(G3), DL360 ⁸ , DL380(G2) ⁸ , DL380(G3), DL380 ⁸ , DL560, DL580(G2) ⁸ , DL580(G3), DL580 ⁸ , DL740, DL760 (G2), DL760 ⁸ , ML350(G2) ⁸ , ML350(G3), ML350 ⁸ , ML370(G2), ML370(G3), ML370 ⁸ , ML530(G2) ⁸ , ML530 ⁸ , ML570(G2) ¹³ , ML570 ⁸ , ML750 ⁶	Novell Netware 6.5 ^{11,14}	Novell Netware Cluster Services Server (NCS) v1.7		QLogic: QLA2310F–E–SP, QLA2340–E–SP	See ^{1,2,3}
6	Proliant: 1600 ^{8,10} , 1850 ⁸ , 2500 ⁸ , 3000 ⁸ , 5000 ⁸ , 5500 ^{8,9} , 6000 ^{8,9} , 6400R ⁸ , 6500 ^{8,9} , 7000 ^{8,9} , 8000 ^{8,9} , 8500, 850 ⁸ , DL320 ⁸ , DL360(G2) ⁸ , DL360(G3), DL360 ⁸ , DL380(G2) ⁸ , DL380(G3), DL380 ⁸ , DL560, DL580(G2) ⁸ , DL580(G3), DL580 ⁸ , DL740, DL760 (G2), DL760 ⁸ , ML350(G2) ⁸ , ML350(G3), ML350 ⁸ , ML370(G2), ML370(G3), ML370 ⁸ , ML530(G2) ⁸ , ML530 ⁸ , ML570(G2) ¹³ , ML570 ⁸ , ML750 ⁶	Novell Netware 6.0: SP1 ^{1,2,4,11,12} , SP2 ^{1,2,4,11,12} , SP3 ¹¹	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340–E–SP ⁷	See ^{1,2,3}
7	Proliant: 1600 ^{8,10} , 1850 ⁸ , 2500 ⁸ , 3000 ⁸ , 5000 ⁸ , 5500 ^{8,9} , 6000 ^{8,9} , 6400R ⁸ , 6500 ^{8,9} , 7000 ^{8,9} , 8000 ^{8,9} , 8500, 850 ⁸ , DL320 ⁸ , DL360(G2) ⁸ , DL360(G3), DL360 ⁸ , DL380(G2) ⁸ , DL380(G3), DL380 ⁸ , DL560, DL580(G2) ⁸ , DL580(G3), DL580 ⁸ , DL740, DL760 (G2), DL760 ⁸ , ML350(G2) ⁸ , ML350(G3), ML350 ⁸ , ML370(G2), ML370(G3), ML370 ⁸ , ML530(G2) ⁸ , ML530 ⁸ , ML570(G2) ¹³ , ML570 ⁸ , ML750 ⁶	Novell Netware 6.0: SP1 ^{1,2,4,11,12} , SP2 ^{1,2,4,11,12} , SP3 ¹¹ ; Novell Netware 6.5 ^{11,14}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2310F–E–SP	See ^{1,2,3}

- Novell Storage Services supported.
- Powerpath & ATF supported.
- CLARiiON FC4500 array is also supported for these configurations.
- Maximum number of NWFS volumes that can be mounted is 64.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- FC–AL for CX200 requires the following:
 - QLA2340 driver version 6.50v available at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
 - If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Includes both Pentium PRO and XEON models
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- HPQ Proliant servers with ATF and Powerpath requires use of SCSIHD in place of CPQSHD.
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.

IBM

IBM – Novell Netware						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁷ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370	Novell Netware 6.0: SP1 ^{1,2,4,8} , SP2 ^{1,2,4,8} , SP3 ⁸ ; Novell Netware 6.5 ^{8,11}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2310F–E–SP	See ^{1,2,3}
2	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁷ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370	Novell Netware 6.5 ^{8,11}	Novell Netware Cluster Services Server (NCS) v1.7		QLogic: QLA2310F–E–SP, QLA2340–E–SP	See ^{1,2,3}
3	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁷ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Novell Netware 6.0: SP1 ^{1,2,4,8} , SP2 ^{1,2,4,8} , SP3 ⁸	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340–E–SP ⁶	See ^{1,2,3}
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁷ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Novell Netware 6.5 ^{8,11}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340–E–SP	See ^{1,2,3}
5	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁷ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370	Novell Netware 5.10: SP5 ^{1,2,4,9} , SP6	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	QLogic: QLA2200F–EMC, QLA2310F–E–SP, QLA2340–E–SP ⁶	See ^{1,2,3}
6	xSeries X335	Novell Netware 5.10: SP5 ^{1,2,4,9} , SP6	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	QLogic: QLA2310F–E–SP, QLA2340–E–SP ⁶	See ^{1,2,3}

IBM – Novell Netware						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
7	xSeries: x440, x445	Novell Netware 5.10: SP5 ^{1, 2, 4, 5} , SP6	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	IBM 24P0960(QLA2340) ^{2, 6, 9, 10} , QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP ⁶	See ^{1, 2, 3}
8	xSeries: x440, x445	Novell Netware 6.0: SP1 ^{1, 2, 4, 8} , SP2 ^{1, 2, 4, 8} , SP3 ⁸ ; Novell Netware 6.5 ^{8, 11}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	IBM 24P0960(QLA2340) ^{2, 6, 9, 10} , QLogic QLA2310F-E-SP	See ^{1, 2, 3}
9	xSeries: x440, x445	Novell Netware 6.5 ^{8, 11}	Novell Netware Cluster Services Server (NCS) v1.7		IBM 24P0960(QLA2340) ^{2, 6, 9, 10} , QLogic: QLA2310F-E-SP, QLA2340-E-SP	See ^{1, 2, 3}

- Novell Storage Services supported.
- Powerpath & ATF supported.
- CLARiiON FC4500 array is also supported for these configurations.
- Maximum number of NWFS volumes that can be mounted is 64.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- FC-AL for CX200 requires the following:
 - QLA2340 driver version 6.50v available at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
 - If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
- This HBA is equivalent to the qLogic QLA2340.
- If using ATF/CDE, requires 2.1.6 or greater.
- Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**

Red Hat Linux Dell

Dell – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 8450 ^{8, 9}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{3, 15, 16}	Oracle 9i RAC 9.2.0.1.0 ^{6, 12, 13, 14}	RAC: 8	QLogic QLA2340-E-SP ^{7, 17}	See ^{1, 10}
2	PowerEdge 8450 ^{8, 9}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{3, 15}	Oracle 9i RAC 9.2.0.1.0 ^{6, 12, 13, 14}	RAC: 8	QLogic: QLA2340-E-SP ⁷ , QLA2342-E-SP	See ¹
3	PowerEdge 8450 ^{8, 9}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 3, 4, 5, 11}	Oracle 9i RAC 9.2.0.1.0 ⁶	RAC: 8	QLogic QLA2340-E-SP ⁷	See ^{1, 10}
4	PowerEdge 8450 ^{8, 9}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{3, 15}	Oracle 9i RAC 9.2.0.1.0 ^{12, 13, 14}	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
5	PowerEdge 8450 ^{8, 9}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3, 15, 16} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{12, 13, 14}	RAC: 8	QLogic QLA2310F-E-SP ¹⁷	See ¹
6	PowerEdge 8450 ^{8, 9}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3, 15} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{18, 19, 20}	HA: 8	QLogic: QLA2310F-E-SP, QLA2340-E-SP ⁷ , QLA2342-E-SP	See ¹
7	PowerEdge 8450 ^{8, 9}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3, 15} , v2.4.9-E.9 ^{3, 15}	Oracle 9i RAC 9.2.0.1.0 ^{12, 13, 14}	RAC: 8	QLogic QLA2310F-E-SP	See ¹
8	PowerEdge 8450 ^{8, 9}	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{6, 12, 13, 14}	RAC: 8	QLogic: QLA2340-E-SP ^{7, 17} , QLA2342-E-SP ¹⁷	See ¹
9	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 21} , v2.4.9-e.25 ^{3, 21} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002-E (LP9002L-E) ²²	See ^{1, 24}
10	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 21} , v2.4.9-e.25 ^{3, 21} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002DC-E ²²	See ^{1, 23, 24}
11	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 21} , v2.4.9-e.25 ^{3, 21} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9802DC-E ²²	
12	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 21} , v2.4.9-e.25 ^{3, 21} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP982-E ^{10, 23, 29, 30, 31} , QLogic QLA2310F-E-SP ^{7, 25, 26}	See ¹
13	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 21} , v2.4.9-e.25 ^{3, 21} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 25, 27}
14	PowerEdge: 1650, 1750, 2600, 4600, 6450	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27 ³ ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 21} , v2.4.9-e.25 ^{3, 21} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9802-E ²²	See ^{1, 23, 24}
15	PowerEdge: 1650 ^{8, 9} , 1750, 2600 ^{8, 9} , 2650 ^{8, 9} , 4600 ^{8, 9} , 6450 ^{8, 9} , 6600 ^{8, 9} , 6650 ^{8, 9}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{3, 15}	Oracle 9i RAC 9.2.0.1.0 ^{6, 12, 13, 14}	RAC: 8	QLogic: QLA2310F-E-SP ⁷ , QLA2342-E-SP	See ¹
16	PowerEdge: 1650 ^{8, 9} , 1750, 2600 ^{8, 9} , 2650 ^{8, 9} , 4600 ^{8, 9} , 6450 ^{8, 9} , 6600 ^{8, 9} , 6650 ^{8, 9}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 3, 4, 5}	Oracle 9i RAC 9.2.0.1.0 ⁶	RAC: 8	QLogic QLA2310F-E-SP ⁷	See ¹
17	PowerEdge: 1650 ^{8, 9} , 1750, 2600 ^{8, 9} , 2650 ^{8, 9} , 4600 ^{8, 9} , 6450 ^{8, 9} , 6600 ^{8, 9} , 6650 ^{8, 9}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{3, 15}	Oracle 9i RAC 9.2.0.1.0 ^{12, 13, 14}	RAC: 8	QLogic: QLA2310F-E-SP, QLA2342-E-SP	See ¹

Dell – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
18	PowerEdge: 1650 ^{8,9} , 1750, 2600 ^{8,9} , 2650 ^{8,9} , 4600 ^{8,9} , 6450 ^{8,9} , 6600 ^{8,9} , 6650 ^{8,9}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3,15,16} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{6,12,13,14}	RAC: 8	QLogic QLA2310F-E-SP ^{7,17}	See ¹
19	PowerEdge: 1650 ^{8,9} , 1750, 2600 ^{8,9} , 2650 ^{8,9} , 4600 ^{8,9} , 6450 ^{8,9} , 6600 ^{8,9} , 6650 ^{8,9}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3,15} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{18,19,20}	HA: 8	QLogic: QLA2310F-E-SP ⁷ , QLA2340-E-SP, QLA2342-E-SP	See ¹
20	PowerEdge: 1650 ^{8,9} , 1750, 2600 ^{8,9} , 2650 ^{8,9} , 4600 ^{8,9} , 6450 ^{8,9} , 6600 ^{8,9} , 6650 ^{8,9}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3,15} , v2.4.9-E.9 ^{3,15}	Oracle 9i RAC 9.2.0.1.0 ^{12,13,14}	RAC: 8	QLogic QLA2340-E-SP	See ¹
21	PowerEdge: 1650 ^{8,9} , 1750, 2600 ^{8,9} , 2650 ^{8,9} , 4600 ^{8,9} , 6450 ^{8,9} , 6600 ^{8,9} , 6650 ^{8,9}	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{6,12,13,14}	RAC: 8	QLogic QLA2342-E-SP ¹⁷	See ¹
22	PowerEdge: 1650 ^{8,9} , 1750, 2600 ^{8,9} , 2650 ^{8,9} , 4600 ^{8,9} , 6450 ^{8,9} , 6600 ^{8,9} , 6650 ^{8,9} , 8450 ^{8,9}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{3,15,16}	Oracle 9i RAC 9.2.0.1.0 ^{12,13,14}	RAC: 8	QLogic QLA2342-E-SP ¹⁷	See ¹
23	PowerEdge: 1650 ^{8,9} , 1750, 2600 ^{8,9} , 4600 ^{8,9} , 6450 ^{8,9} , 6600 ^{8,9}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{3,15,16}	Oracle 9i RAC 9.2.0.1.0 ^{12,13,14}	RAC: 8	QLogic QLA2340-E-SP ¹⁷	See ^{1,10}
24	PowerEdge: 1650 ^{8,9} , 1750, 2600 ^{8,9} , 4600 ^{8,9} , 6450 ^{8,9} , 6600 ^{8,9}	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{12,13,14}	RAC: 8	QLogic QLA2340-E-SP ¹⁷	See ¹
25	PowerEdge: 2650, 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27 ³ ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,21} , v2.4.9-e.25 ^{3,21} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9802-E ²²	See ^{1,23}
26	PowerEdge: 2650 ^{8,9} , 6650 ^{8,9}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3,15,16} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{12,13,14}	RAC: 8	QLogic QLA2340-E-SP ¹⁷	See ¹

- CLARiiON FC4500 array is also supported for these configurations.
- Watchdog Timer should be disabled in ocmargs.ora
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supported with QLogic driver v6.05.00.
- OCFS (Oracle Cluster File System) is not supported.
- Configuration information available on EMC PowerLink and Avatar: See the Case Study "Oracle 9i RAC on Linux Red Hat 7.1 and Red Hat 2.1 Advanced Server with CLARiiON Storage Arrays" in the EMC Networked Storage Topology Guide.
- Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
- QLogic driver is available with Dell/Oracle CC kit.
- An RPM from Dell may be used to install the QLogic v6.X driver. RPM may be obtained from the QLogic website.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- PowerPath is not supported.
- requires patch p2632931_9202_LINUX.zip (9.2.0.2 patch set).
- Requires patch p2646914_9202_LINUX.zip (Private Network Fix).
- Oracle Cluster File System v1.x supported with Linux v2.4.9-E9, E10, E12, E16, E24, E25.
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- OCFS (Oracle Cluster File System) is supported. Requires patch mount-2.11g-6i386.rpm (ocfs mount support).
- Driver v6.04.00 or above must be used with Qlogic HBAs for direct attach configurations.
- GAB disks (membership and service group heartbeat disks) are not supported.
- When VxVM is used, EMC recommends VxVM 3.2 update 2, VxFS 3.4 update 1 and above.
- Review single attach VxVM notes for PowerPath and DMP restrictions.
- Oracle Cluster File System 1.x supported for 9i RAC 9.2.0.3. PowerPath 3.03
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- Single HBA zoning is required regardless of the switch being utilized.
- FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- RPQ required for PowerPath support.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.**
- Emulex driver and BIOS available from <http://www.emulex.com>.**
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**

HPQ

HPQ – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{3,9,13}	Oracle 9i RAC 9.2.0.1.0 ^{10,25,26}	RAC: 8	QLogic QLA2342-E-SP ¹⁴	See ¹
2	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{3,9}	Oracle 9i RAC 9.2.0.1.0 ^{6,10,25,26}	RAC: 8	QLogic QLA2310F-E-SP ⁷	See ¹
3	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{3,9}	Oracle 9i RAC 9.2.0.1.0 ^{6,10,25,26}	RAC: 8	QLogic QLA2340-E-SP ⁷	See ^{1,8}
4	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2,3,4,5,27}	Oracle 9i RAC 9.2.0.1.0 ⁶	RAC: 8	QLogic QLA2340-E-SP ⁷	See ^{1,8}
5	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{3,9}	Oracle 9i RAC 9.2.0.1.0 ^{10,25,26}	RAC: 8	QLogic QLA2340-E-SP	See ^{1,8}
6	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{3,9}	Oracle 9i RAC 9.2.0.1.0 ^{10,25,26}	RAC: 8	QLogic: QLA2310F-E-SP, QLA2342-E-SP	See ¹
7	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3,9,13} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{6,10,25,26}	RAC: 8	QLogic QLA2310F-E-SP ^{7,14}	See ¹

HPQ – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
8	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3,9,13} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{6,10,25,26}	RAC: 8	QLogic QLA2340-E-SP ^{7,14}	See ^{1,8}
9	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3,9} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{6,10,25,26}	RAC: 8	QLogic QLA2342-E-SP ^{7,14}	See ¹
10	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,18} , v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2310F-E-SP ^{7,22,23}	See ¹
11	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,18} , v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2342-E-SP	See ^{1,23,24}
12	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2,3,4,5}	Oracle 9i RAC 9.2.0.1.0 ⁶	RAC: 8	QLogic QLA2310F-E-SP ⁷	See ¹
13	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3,9} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{15,16,17}	HA: 8	QLogic QLA2340-E-SP ⁷	See ^{1,8}
14	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3,9} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{15,16,17}	HA: 8	QLogic: QLA2310F-E-SP ⁷ , QLA2342-E-SP ^{7,14}	See ¹
15	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,18} , v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2340-E-SP	See ^{1,8,23,24}
16	Netserver LPR	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2340-E-SP	See ^{1,8,23,24}
17	Netserver LPR	Red Hat Linux 2.1 ES v2.4.9-e.24 ^{3,18}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2340-E-SP	See ^{1,23,24}
18	Proliant 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2,3,4,5}	Oracle 9i RAC 9.2.0.1.0 ⁶	RAC: 8	QLogic QLA2340-E-SP ⁷	See ^{1,8}
19	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3,9,13} , v2.4.9-E.12 ^{3,9} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{6,10}	RAC: 8	QLogic QLA2310F-E-SP ⁷	See ¹
20	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3,9,13} , v2.4.9-E.12 ^{3,9} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{6,10}	RAC: 8	QLogic QLA2340-E-SP ⁷	See ^{1,8}
21	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3,9,13} , v2.4.9-E.9 ^{3,9} Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ¹⁰	RAC: 8	QLogic QLA2342-E-SP	See ¹
22	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3,9} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{6,10}	RAC: 8	QLogic QLA2342-E-SP ^{7,14}	See ¹
23	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,18} , v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP982-E ^{8,21,29,30,31} ; QLogic QLA2310F-E-SP ^{7,22,23}	See ¹
24	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,18} , v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2340-E-SP	See ^{1,8,23}
25	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,18} , v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2342-E-SP	See ^{1,23}
26	Proliant BL40p	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002-E (LP9002L-E) ¹⁹	See ^{1,20}
27	Proliant BL40p	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002DC-E ¹⁹	See ^{1,20,21}
28	Proliant BL40p	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27 ³ ; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9802-E ¹⁹	See ^{1,20,21}
29	Proliant BL40p	Red Hat Linux 2.1 ES v2.4.9-e.24 ^{3,18}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9002-E (LP9002L-E) ¹⁹ , LP9002DC-E ¹⁹ , LP9802-E ¹⁹	See ¹

HPQ – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
30	Proliant DL740	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3,9,13} , v2.4.9-E.12 ^{3,9} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ¹⁰	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
31	Proliant: 6500 ^{11,12} , 8500, DL360 ¹² , DL380 ¹² , DL560, DL580 ¹²	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{3,9}	Oracle 9i RAC 9.2.0.1.0 ¹⁰	RAC: 8	QLogic QLA2340-E-SP	See ¹
32	Proliant: 6500 ^{11,12} , DL360 ¹² , DL380 ¹² , DL560, DL580 ¹²	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3,9,13} , v2.4.9-E.12 ^{3,9} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ¹⁰	RAC: 8	QLogic QLA2340-E-SP	See ^{1,8}
33	Proliant: 6500 ^{11,12} , DL360 ¹² , DL380 ¹² , DL560, DL580 ¹²	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3,9,13} , v2.4.9-E.12 ^{3,9} , v2.4.9-E.9 ^{3,9} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ¹⁰	RAC: 8	QLogic QLA2342-E-SP	See ¹
34	Proliant: 6500 ^{11,12} , DL360 ¹² , DL380 ¹² , DL560, DL580 ¹²	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3,9} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{15,16,17}	HA: 8	QLogic QLA2340-E-SP	See ^{1,8}
35	Proliant: 6500 ^{11,12} , DL360 ¹² , DL380 ¹² , DL560, DL580 ¹²	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3,9} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{15,16,17}	HA: 8	QLogic QLA2342-E-SP	See ¹
36	Proliant: 8500, BL40p, DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL560, DL580 ¹² , DL740, DL760 (G2), DL760 ¹²	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,18} , v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9802DC-E ¹⁹	
37	Proliant: 8500, DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL560, DL580 ¹² , DL740, DL760 (G2), DL760 ¹²	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,18} , v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002-E (LP9002L-E) ¹⁹	See ^{1,20}
38	Proliant: 8500, DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL560, DL580 ¹² , DL740, DL760 (G2), DL760 ¹²	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,18} , v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002DC-E ¹⁹	See ^{1,20,21}
39	Proliant: 8500, DL360 ¹² , DL380(G2) ¹² , DL380 ¹² , DL560, DL580 ¹²	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27 ³ ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,18} , v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9802-E ¹⁹	See ^{1,20,21}
40	Proliant: BL40p, DL740, DL760 (G2), DL760 ¹²	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,18} , v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP982-E ^{8,21,29,30,31} ; QLogic: QLA2310F-E-SP ²² , QLA2340-E-SP, QLA2342-E-SP	See ¹
41	Proliant: DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL560, DL580 ¹²	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,18} , v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP982-E ^{8,21,29,30,31} ; QLogic: QLA2310F-E-SP ²² , QLA2342-E-SP	See ¹
42	Proliant: DL360 ¹² , DL380(G2) ¹² , DL380(G3), DL380 ¹² , DL560, DL580 ¹²	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,18} , v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2340-E-SP	See ^{1,8}
43	Proliant: DL380(G3), DL740, DL760 (G2), DL760 ¹²	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁸ , v2.4.9-e.25 ²⁸ , v2.4.9-e.27 ³ ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,18} , v2.4.9-e.25 ^{3,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9802-E ¹⁹	See ^{1,21}
44	Proliant: DL740, DL760 (G2), DL760 ¹²	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{3,9} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{15,16,17}	HA: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
45	Proliant: DL760 (G2), DL760 ¹²	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3,9,13} , v2.4.9-E.12 ^{3,9} , v2.4.9-E.9 ^{3,9} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ¹⁰	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹

- CLARiiON FC4500 array is also supported for these configurations.
- Watchdog Timer should be disabled in ocmargs.ora
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supported with QLogic driver v6.05.00.
- OCFS (Oracle Cluster File System) is not supported.
- Configuration information available on EMC PowerLink and Avatar: See the Case Study "Oracle 9i RAC on Linux Red Hat 7.1 and Red Hat 2.1 Advanced Server with CLARiiON Storage Arrays" in the EMC Networked Storage Topology Guide.
- Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- Oracle Cluster File System v1.x supported with Linux v2.4.9-E9, E10, E12, E16, E24, E25.
- Includes both Pentium PRO and XEON models
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- OCFS (Oracle Cluster File System) is supported. Requires patch mount-2.11g-6i386.rpm (ocfs mount support).
- Driver v6.04.00 or above must be used with QLogic HBAs for direct attach configurations.
- GAB disks (membership and service group heartbeat disks) are not supported.
- Review single attach VxVM notes for PowerPath and DMP restrictions.
- When VxVM is used, EMC recommends VxVM 3.2 update 2, VxFS 3.4 update 1 and above.
- Oracle Cluster File System 1.x supported for 9i RAC 9.2.0.3. PowerPath 3.03
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
- Single HBA zoning is required regardless of the switch being utilized.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- RPQ required for PowerPath support.

25. requires patch p2632931_9202_LINUX.zip (9.2.0.2 patch set).
26. Requires patch p2646914_9202_LINUX.zip (Private Network Fix).
27. PowerPath is not supported.
28. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
29. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
30. Emulex driver and BIOS available from <http://www.emulex.com>.
31. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.

SGI IRIX SGI

SGI – SGI IRIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Origin: 200, 2000	SGI IRIX: 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI Failsafe 2.1.2	HA: 2	SGI PCI-FC-1P-OPT-A	See ¹
2	Origin: 200, 2000, 300, 3000	SGI IRIX: 6.5.11, 6.5.12, 6.5.13, 6.5.14	SGI Failsafe 2.1.1	HA: 2	SGI PCI-FC-1P-OPT-A	See ¹
3	Origin: 300, 3000	SGI IRIX: 6.5.13, 6.5.14	SGI Failsafe 2.1.1	HA: 2	SGI PCI-FC-1P-OPT-B	See ¹
4	Origin: 300, 3000	SGI IRIX: 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI Failsafe 2.1.2	HA: 2	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B	See ¹

1. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.

SuSE Linux Dell

Dell – SuSE Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Oracle 9i RAC 9.2.0.3.0 ⁴	RAC: 8	Emulex: LP9002-E (LP9002L-E) ^{6, 8} , LP9002DC-E ⁸ , LP9802-E ⁶ , LP9802DC-E ^{6, 7, 8, 14} , LP982-E ^{9, 10, 11, 12, 13} , QLogic QLA2310F-E-SP ^{5, 6, 7}	See ¹
2	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Oracle 9i RAC 9.2.0.3.0 ⁴	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 6, 15}

1. CLARiiON FC4500 array is also supported for these configurations.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
3. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
4. Supports PowerPath v3.0.4 b12 only.
5. Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
6. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
7. If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
8. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
9. Single HBA zoning is required regardless of the switch being utilized.
10. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
11. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
12. Emulex driver and BIOS available from <http://www.emulex.com>.
13. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
14. PowerPath supported. ATF/CDE not supported.
15. RPQ required for PowerPath support.

HPQ

HPQ – SuSE Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Oracle 9i RAC 9.2.0.3.0 ⁴	RAC: 8	QLogic QLA2310F-E-SP ^{11, 12, 14}	See ¹
2	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Oracle 9i RAC 9.2.0.3.0 ⁴	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 12, 16}
3	Proliant 5500 ^{15, 17}	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Oracle 9i RAC 9.2.0.3.0 ⁴	RAC: 8	Emulex LP9002-E (LP9002L-E)	See ¹
4	Proliant 6400R ¹⁵	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Oracle 9i RAC 9.2.0.3.0 ⁴	RAC: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP ¹¹ , QLA2340-E-SP, QLA2342-E-SP	See ¹
5	Proliant 8500	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Oracle 9i RAC 9.2.0.3.0 ⁴	RAC: 8	Emulex: LP9002-E (LP9002L-E) ^{5, 12} , LP9002DC-E ⁵ , LP9802-E ⁵ , LP9802DC-E ^{5, 11, 12, 13} , LP982-E ^{6, 7, 8, 9, 10} ; QLogic QLA2310F-E-SP ^{11, 12, 14}	See ¹
6	Proliant 8500	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Oracle 9i RAC 9.2.0.3.0 ⁴	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{1, 12}
7	Proliant: BL40p, DL360 ¹⁵ , DL380(G2) ¹⁵ , DL380(G3), DL380 ¹⁵ , DL560, DL580 ¹⁵ , DL740, DL760 (G2), DL760 ¹⁵	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2, 3}	Oracle 9i RAC 9.2.0.3.0 ⁴	RAC: 8	Emulex: LP9002-E (LP9002L-E) ⁵ , LP9002DC-E ⁵ , LP9802-E ⁵ , LP9802DC-E ⁵ , LP982-E ^{6, 7, 8, 9, 10} ; QLogic: QLA2310F-E-SP ¹¹ , QLA2340-E-SP, QLA2342-E-SP	See ¹

1. CLARiiON FC4500 array is also supported for these configurations.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
3. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
4. Supports PowerPath v3.0.4 b12 only.
5. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
6. Single HBA zoning is required regardless of the switch being utilized.
7. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
8. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
9. Emulex driver and BIOS available from <http://www.emulex.com>.
10. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
11. If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.

12. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
13. PowerPath supported. ATF/CDE not supported.
14. Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
15. Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
16. RPQ required for PowerPath support.
17. Includes both Pentium PRO and XEON models

IBM

IBM – SuSE Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	eServer BladeCenter HS20 (Model 8678) ^{10, 11}	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{3, 4}	Microsoft MSCS ^{5, 6, 7}	HA: 4	IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ^{12, 13} , Optical Pass-thru Module 02R9080 ^{8, 9}	See ^{1, 2}

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
 2. CLARiiON FC4500 array is also supported for these configurations.
 3. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
 4. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
 5. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
 6. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
 7. Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
 8. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"
- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
9. **Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
 10. Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
 11. EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
 12. **Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)**
 13. **Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.**

Sun Solaris

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netra 1280; Sun Fire: 12K, 15K, 280R, 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 8 Update 7 ¹⁸	Sun Sun Cluster 3.1 ^{29, 39, 40}	HA: 4	Emulex: LP1000-E, LP1000DC-E	
2	Netra 1280; Sun Fire: 12K, 15K, 280R, 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 8 ¹⁸	Sun Sun Cluster 3.0 Update 3 ^{29, 30}	HA: 4 ³¹ OPS: 4 ³¹ RAC: 4 ³¹	Emulex: LP1000-E, LP1000DC-E	
3	Netra 1280; Sun Fire: 12K, 15K, 280R, 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 9 ³⁶	Sun Sun Cluster 3.0 Update 3 ^{29, 37}	HA: 4 ³¹ OPS: 2 ^{31, 38} RAC: 2 ^{31, 38}	Emulex: LP1000-E, LP1000DC-E	
4	Netra 1280; Sun Fire: 12K, 15K, 280R, 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 9 ³⁶	Sun Sun Cluster 3.1 ^{29, 41}	HA: 2	Emulex: LP1000-E, LP1000DC-E	
5	Netra 1280; Sun Fire: 280R, 4800, 4810, 6800, V1280, V240, V480, V880	Sun Solaris 8 ¹⁸	Veritas Cluster Server (VCS) 3.5 ²⁰	HA: 8	Emulex LP8000-EMC ²⁷	See ^{8, 9, 10, 11}
6	Netra 1280; Sun Fire: 280R, 4800 ¹ , 4810 ¹ , V1280, V240, V480, V880	Sun Solaris 8	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ^{15, 16}	HA: 8	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E	See ^{8, 9, 10, 11}
7	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris 8	Veritas Cluster Server (VCS) 3.5 ²⁰	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
8	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris 8 Update 7 ¹⁸	Sun Sun Cluster 3.1 ^{29, 39, 40}	HA: 4	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
9	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris 8 ¹⁸	Sun Sun Cluster 3.0 Update 3 ^{29, 30}	HA: 4 ³¹ OPS: 4 ³¹ RAC: 4 ³¹	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
10	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris 8 ¹⁸	Veritas DBED/AC for 9IRAC 3.5 ^{15, 19, 20, 21, 22, 23}	RAC: 4 ^{24, 25}	Emulex: LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
11	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{20, 34}	HA: 8	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11, 33}
12	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris 9 ³⁶	Sun Sun Cluster 3.0 Update 3 ^{29, 37}	HA: 4 ³¹ OPS: 2 ^{31, 38} RAC: 2 ^{31, 38}	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
13	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris 9 ³⁶	Sun Sun Cluster 3.1 ^{29, 41}	HA: 2	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
14	Netra 20	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3 ¹	HA: 8 ¹⁴	Emulex LP9002S-E	
15	Netra 20	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3 ¹	HA: 8 ¹⁷	Emulex LP9002C-E; QLogic QCP2202F-E-SP ²⁸	
16	Netra: 1120, 1125, 1400, 1405	Sun Solaris: 2.6, 7 ¹² , 8	Veritas Cluster Server (VCS) 1.3 ¹	HA: 8 ¹⁷	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E)	See ^{8, 9, 10, 11}
17	Netra: 1120, 1125, 1400, 1405	Sun Solaris: 7 ¹² , 8	Veritas Cluster Server (VCS) 1.3 ¹	HA: 8 ¹⁷	Emulex LP9002DC-E	See ^{8, 10, 11}
18	Netra: 1120, 1125, 1400, 1405	Sun Solaris: 7 ¹² , 8	Veritas Cluster Server (VCS) 1.3 ¹	HA: 8 ¹⁷	Emulex LP9802-E	See ^{8, 9, 10, 11}
19	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80	Sun Solaris: 2.6, 7 ¹²	Veritas Cluster Server (VCS) 1.1.2 ¹⁵	HA: 2	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E)	See ^{8, 9, 10, 11}
20	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 6000, Enterprise 6500	Sun Solaris 7 ¹²	Veritas Cluster Server (VCS) 1.1.2 ¹⁵	HA: 2	Emulex LP9002DC-E	See ^{8, 10, 11}
21	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 6000, Enterprise 6500	Sun Solaris 7 ¹²	Veritas Cluster Server (VCS) 1.1.2 ¹⁵	HA: 2	Emulex LP9802-E	See ^{8, 9, 10, 11}
22	Netra: 1120, 1125, 1400, 1405; Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80, Enterprise 10000	Sun Solaris: 7 ¹² , 8	Veritas Cluster Server (VCS) 2.0 ^{15, 16}	HA: 8	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9802-E	See ^{8, 9, 10, 11}
23	Netra: 1120, 1125, 1400, 1405; Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 6000, Enterprise 6500	Sun Solaris: 7 ¹² , 8	Veritas Cluster Server (VCS) 2.0 ^{15, 16}	HA: 8	Emulex LP9002DC-E	See ^{8, 10, 11}
24	Netra: 1120 ³² , 1125 ³² , 1400 ³² , 1405 ³² , T1; Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80, Enterprise 10000	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ^{15, 35}	HA: 8	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
25	Netra: 1120 ³² , 1125 ³² , 1400 ³² , 1405 ³² , T1; Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80, Enterprise 10000	Sun Solaris: 2.6, 7 ¹² , 8	Sun Sun Cluster 2.2 ^{1, 2}	HA: 2	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
26	Netra: 1120 ³² , 1125 ³² , 1400 ³² , 1405 ³² , T1; Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris: 7 ¹² , 8	Sun Sun Cluster 2.2 ^{1, 2}	HA: 2	Emulex LP9002DC-E	See ^{8, 10, 11}
27	Netra: 1120 ³² , 1125 ³² , 1400 ³² , 1405 ³² , T1; Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris: 7 ¹² , 8	Sun Sun Cluster 2.2 ^{1, 2}	HA: 2	Emulex LP9802-E	See ^{8, 9, 10, 11}
28	Netra: 1280, 20; Sun Fire: 280R, 4800 ¹ , 4810 ¹ , V1280, V240, V480, V880	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3 ¹	HA: 8 ¹⁷	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E	See ^{8, 9, 10, 11}
29	Sun Fire 280R	Sun Solaris 8 ¹⁸	Veritas Cluster Server (VCS) 3.5 ²⁰	HA: 8	QLogic QLA2200F-EMC	
30	Sun Fire 280R	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{20, 34}	HA: 8	QLogic QLA2200F-EMC	See ³³
31	Sun Fire 3800	Sun Solaris 8	Veritas Cluster Server (VCS) 3.5 ²⁰	HA: 8	Emulex LP9002C-E; QLogic QCP2202F-E-SP	See ^{8, 9, 10, 11}
32	Sun Fire 3800	Sun Solaris 8 Update 7 ¹⁸	Sun Sun Cluster 3.1 ^{29, 39, 40}	HA: 4	Emulex LP9002C-E; QLogic QCP2202F-E-SP	See ^{8, 9, 10, 11}
33	Sun Fire 3800	Sun Solaris 8 ¹⁸	Sun Sun Cluster 3.0 Update 3 ^{29, 30}	HA: 4 ³¹ OPS: 4 ³¹ RAC: 4 ³¹	Emulex LP9002C-E; QLogic QCP2202F-E-SP	See ^{8, 9, 10, 11}
34	Sun Fire 3800	Sun Solaris 8 ¹⁸	Veritas DBED/AC for 9iRAC 3.5 ^{15, 19, 20, 21, 22, 23}	RAC: 4 ^{24, 25}	Emulex LP9002C-E; QLogic QCP2202F-E-SP	See ^{8, 9, 10, 11}
35	Sun Fire 3800	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{20, 34}	HA: 8	Emulex LP9002C-E; QLogic QCP2202F-E-SP	See ^{8, 9, 10, 11, 33}
36	Sun Fire 3800	Sun Solaris 9 ³⁶	Sun Sun Cluster 3.0 Update 3 ^{29, 37}	HA: 4 ³¹ OPS: 2 ^{31, 38} RAC: 2 ^{31, 38}	Emulex LP9002C-E; QLogic QCP2202F-E-SP	See ^{8, 9, 10, 11}
37	Sun Fire 3800	Sun Solaris 9 ³⁶	Sun Sun Cluster 3.1 ^{29, 41}	HA: 2	Emulex LP9002C-E; QLogic QCP2202F-E-SP	See ^{8, 9, 10, 11}
38	Sun Fire 6800	Sun Solaris 8	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ^{15, 16}	HA: 8	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic QCP2202F-E-SP ²⁸	See ^{8, 9, 10, 11}
39	Sun Fire 6800	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3 ¹	HA: 8 ¹⁷	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic QCP2202F-E-SP ²⁸	See ^{8, 9, 10, 11}
40	Sun Fire: 12K, 15K	Sun Solaris 8	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ^{15, 16}	HA: 8	Emulex LP9002-E (LP9002L-E), LP9802-E	See ^{8, 10, 11}
41	Sun Fire: 12K, 15K	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3 ¹	HA: 8 ¹⁷	Emulex: LP9002-E (LP9002L-E), LP9802-E	See ^{8, 10, 11}

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
42	Sun Fire: 12K, 15K	Sun Solaris 8	Veritas Cluster Server (VCS) 3.5 ²⁰	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 10, 11}
43	Sun Fire: 12K, 15K	Sun Solaris 8 Update 7 ¹⁸	Sun Sun Cluster 3.1 ^{29, 39, 40}	HA: 4	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 10, 11}
44	Sun Fire: 12K, 15K	Sun Solaris 8 ¹⁸	Sun Sun Cluster 3.0 Update 3 ^{29, 30}	HA: 4 ³¹ OPS: 4 ³¹ RAC: 4 ³¹	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 10, 11}
45	Sun Fire: 12K, 15K	Sun Solaris 8 ¹⁸	Veritas DBED/AC for 9iRAC 3.5 ^{15, 19, 20, 21, 22, 23}	RAC: 4 ^{24, 25}	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 10, 11}
46	Sun Fire: 12K, 15K	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{20, 34}	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 10, 11, 33}
47	Sun Fire: 12K, 15K	Sun Solaris 9 ³⁶	Sun Sun Cluster 3.0 Update 3 ^{29, 37}	HA: 4 ³¹ OPS: 2 ^{31, 38} RAC: 2 ^{31, 38}	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 10, 11}
48	Sun Fire: 12K, 15K	Sun Solaris 9 ³⁶	Sun Sun Cluster 3.1 ^{29, 41}	HA: 2	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 10, 11}
49	Sun Fire: 12K ⁴² , 15K ⁴²	Sun Solaris 8	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS): 2.0 ^{15, 16} , 3.5 ²⁰	HA: 8	Emulex LP9002DC-E	See ^{8, 9, 10, 11}
50	Sun Fire: 12K ⁴² , 15K ⁴²	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3 ¹	HA: 8 ¹⁷	Emulex LP9002DC-E	See ^{8, 9, 10, 11}
51	Sun Fire: 12K ⁴² , 15K ⁴²	Sun Solaris 8 ¹⁸	Veritas DBED/AC for 9iRAC 3.5 ^{15, 19, 20, 21, 22, 23}	RAC: 4 ^{24, 25}	Emulex LP9002DC-E	See ^{8, 9, 10, 11}
52	Sun Fire: 12K ⁴² , 15K ⁴²	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{20, 34}	HA: 8	Emulex LP9002DC-E	See ^{8, 9, 10, 11, 33}
53	Sun Fire: 3800, 4800	Sun Solaris 8	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ^{15, 16}	HA: 8	Emulex LP9002C-E; QLLogic QCP2202F-E-SP ²⁸	See ^{8, 9, 10, 11}
54	Sun Fire: 3800, 4800	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3 ¹	HA: 8 ¹⁷	Emulex LP9002C-E; QLLogic QCP2202F-E-SP ²⁸	See ^{8, 9, 10, 11}
55	Sun Fire: 4800, 6800	Sun Solaris 8	Veritas Cluster Server (VCS) 3.5 ²⁰	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
56	Sun Fire: 4800, 6800	Sun Solaris 8 Update 7 ¹⁸	Sun Sun Cluster 3.1 ^{29, 39, 40}	HA: 4	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9002C-E, LP9802-E; QLLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
57	Sun Fire: 4800, 6800	Sun Solaris 8 ¹⁸	Sun Sun Cluster 3.0 Update 3 ^{29, 30}	HA: 4 ³¹ OPS: 4 ³¹ RAC: 4 ³¹	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9002C-E, LP9802-E; QLLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
58	Sun Fire: 4800, 6800	Sun Solaris 8 ¹⁸	Veritas DBED/AC for 9iRAC 3.5 ^{15, 19, 20, 21, 22, 23}	RAC: 4 ^{24, 25}	Emulex: LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
59	Sun Fire: 4800, 6800	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{20, 34}	HA: 8	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11, 33}
60	Sun Fire: 4800, 6800	Sun Solaris 9 ³⁶	Sun Sun Cluster 3.0 Update 3 ^{29, 37}	HA: 4 ³¹ OPS: 2 ^{31, 38} RAC: 2 ^{31, 38}	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9002C-E, LP9802-E; QLLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
61	Sun Fire: 4800, 6800	Sun Solaris 9 ³⁶	Sun Sun Cluster 3.1 ^{29, 41}	HA: 2	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9002C-E, LP9802-E; QLLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
62	Ultra Enterprise 10000 ¹³	Sun Solaris: 7 ¹² , 8	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ^{15, 16}	HA: 8	Emulex LP9002S-E	See ^{8, 9, 10, 11}
63	Ultra Enterprise 5500	Sun Solaris 8 ¹⁸	Veritas Cluster Server (VCS) 3.5 ²⁰	HA: 8	Emulex LP9002S-E	See ^{8, 9, 10, 11}
64	Ultra Enterprise 5500	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{20, 34}	HA: 8	Emulex LP9002S-E	See ^{8, 9, 10, 11, 33}
65	Ultra Enterprise: 10000, 3000, 3500, 6000, 6500	Sun Solaris: 2.6, 7 ¹²	Veritas Cluster Server (VCS) 1.1.2 ¹⁵	HA: 2	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E); JNI FC64-1063-N-DG ⁵	See ^{8, 9, 10, 11}
66	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 8 Update 7 ¹⁸	Sun Sun Cluster 3.1 ^{29, 39, 40}	HA: 4	Emulex LP9002S-E	See ^{8, 9, 10, 11}
67	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 8 ¹⁸	Sun Sun Cluster 3.0 Update 3 ^{29, 30}	HA: 4 ³¹ OPS: 4 ³¹ RAC: 4 ³¹	Emulex LP9002S-E	See ^{8, 9, 10, 11}
68	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 9 ³⁶	Sun Sun Cluster 3.0 Update 3 ^{29, 37}	HA: 4 ³¹ OPS: 2 ^{31, 38} RAC: 2 ^{31, 38}	Emulex LP9002S-E	See ^{8, 9, 10, 11}
69	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 9 ³⁶	Sun Sun Cluster 3.1 ^{29, 41}	HA: 2	Emulex LP9002S-E	See ^{8, 9, 10, 11}
70	Ultra Enterprise: 10000, 3500, 4500, 6500	Sun Solaris 8	Veritas Cluster Server (VCS) 3.5 ²⁰	HA: 8	Emulex: LP9002S-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
71	Ultra Enterprise: 10000, 3500, 4500, 6500	Sun Solaris 8 ¹⁸	Veritas DBED/AC for 9iRAC 3.5 ^{15, 19, 20, 21, 22, 23}	RAC: 4 ^{24, 25}	Emulex: LP9002S-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
72	Ultra Enterprise: 10000, 3500, 4500, 6500	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{20, 34}	HA: 8	Emulex: LP9002S-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11, 33}
73	Ultra Enterprise: 10000 ¹³ , 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ^{15, 35}	HA: 8	JNI FC64-1063-DG ^{3, 4, 5, 6, 7}	See ⁸
74	Ultra Enterprise: 10000 ¹³ , 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	Sun Solaris: 2.6, 7 ¹² , 8	Sun Sun Cluster 2.2 ^{1, 2}	HA: 2	JNI FC64-1063-DG ^{3, 4, 5, 6, 7}	See ⁸
75	Ultra Enterprise: 10000 ¹³ , 3000, 3500, 6000, 6500	Sun Solaris 2.6	Veritas Cluster Server (VCS) 1.3 ¹	HA: 8 ¹⁷	Emulex LP9002S-E; JNI FC64-1063-N-DG	See ^{8, 9, 10, 11}
76	Ultra Enterprise: 10000 ¹³ , 3000, 3500, 6000, 6500	Sun Solaris 2.6	Veritas Cluster Server (VCS) 1.3 ¹	HA: 8 ¹⁷	JNI FC64-1063-DG	See ⁸
77	Ultra Enterprise: 10000 ¹³ , 3000, 3500, 6000, 6500	Sun Solaris: 7 ¹² , 8	Veritas Cluster Server (VCS) 1.3 ¹	HA: 8 ¹⁴	Emulex LP9002S-E	See ^{8, 9, 10, 11}
78	Ultra Enterprise: 10000 ¹³ , 5000	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ^{15, 35}	HA: 8	Emulex LP9002S-E; JNI FC64-1063-N-DG ^{4, 5, 6, 7}	See ^{8, 9, 10, 11}
79	Ultra Enterprise: 10000 ¹³ , 5000	Sun Solaris: 2.6, 7 ¹² , 8	Sun Sun Cluster 2.2 ^{1, 2}	HA: 2	Emulex LP9002S-E; JNI FC64-1063-N-DG ^{4, 5, 6, 7}	See ^{8, 9, 10, 11}
80	Ultra Enterprise: 3000, 3500, 4000, 4500, 5500, 6000, 6500	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ^{15, 35}	HA: 8	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9002S-E; JNI FC64-1063-N-DG ^{4, 5, 6, 7} ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
81	Ultra Enterprise: 3000, 3500, 4000, 4500, 5500, 6000, 6500	Sun Solaris: 2.6, 7 ¹² , 8	Sun Sun Cluster 2.2 ^{1, 2}	HA: 2	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9002S-E; JNI FC64-1063-N-DG ^{4, 5, 6, 7} ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
82	Ultra Enterprise: 3000, 3500, 6000, 6500	Sun Solaris: 7 ¹² , 8	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ^{15, 16}	HA: 8	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9002S-E, LP9802-E	See ^{8, 9, 10, 11}
83	Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80, Enterprise 10000	Sun Solaris: 7 ¹² , 8	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	Emulex: LP8000-EMC ²⁷ , LP9002-E (LP9002L-E), LP9802-E	See ^{8, 9, 10, 11}
84	Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 6000, Enterprise 6500	Sun Solaris: 7 ¹² , 8	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	Emulex LP9002DC-E	See ^{8, 10, 11}
85	Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 8	Veritas Cluster Server (VCS) 3.5 ²⁰	HA: 8	Emulex LP9002DC-E	See ^{8, 10, 11}
86	Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 8	Veritas Cluster Server (VCS) 3.5 ²⁰	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
87	Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 8 Update 7 ¹⁸	Sun Sun Cluster 3.1 ^{29, 39, 40}	HA: 4	Emulex LP9002DC-E	See ^{8, 10, 11}
88	Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 8 Update 7 ¹⁸	Sun Sun Cluster 3.1 ^{29, 39, 40}	HA: 4	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
89	Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 8 ¹⁸	Sun Sun Cluster 3.0 Update 3 ^{29, 30}	HA: 4 ³¹ OPS: 4 ³¹ RAC: 4 ³¹	Emulex LP9002DC-E	See ^{8, 10, 11}
90	Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 8 ¹⁸	Sun Sun Cluster 3.0 Update 3 ^{29, 30}	HA: 4 ³¹ OPS: 4 ³¹ RAC: 4 ³¹	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
91	Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 8 ¹⁸	Veritas DBED/AC for 9iRAC 3.5 ^{15, 19, 20, 21, 22, 23}	RAC: 4 ^{24, 25}	Emulex LP9002DC-E	See ^{8, 10, 11}
92	Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 8 ¹⁸	Veritas DBED/AC for 9iRAC 3.5 ^{15, 19, 20, 21, 22, 23}	RAC: 4 ^{24, 25}	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
93	Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{20, 34}	HA: 8	Emulex LP9002DC-E	See ^{8, 10, 11, 33}
94	Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{20, 34}	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11, 33}
95	Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 9 ³⁶	Sun Sun Cluster 3.0 Update 3 ^{29, 37}	HA: 4 ³¹ OPS: 2 ^{31, 38} RAC: 2 ^{31, 38}	Emulex LP9002DC-E	See ^{8, 10, 11}
96	Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 9 ³⁶	Sun Sun Cluster 3.0 Update 3 ^{29, 37}	HA: 4 ³¹ OPS: 2 ^{31, 38} RAC: 2 ^{31, 38}	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}
97	Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 9 ³⁶	Sun Sun Cluster 3.1 ^{29, 41}	HA: 2	Emulex LP9002DC-E	See ^{8, 10, 11}
98	Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450	Sun Solaris 9 ³⁶	Sun Sun Cluster 3.1 ^{29, 41}	HA: 2	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{8, 9, 10, 11}

- Support for FC4500, FC4700 and FC5300, FC5500, FC5700.
- PowerPath support for Sun Cluster 2.2 with Solaris 8 only FC4700 with Flare level 08.45 only. ODS is not available at this time.
- No longer available
- Requires driver rev 2.07.17 or higher and fcode 13.3.8.02C
- JNI FC64-1063 HBA's cannot be connected directly to an FC4500 storage array in a multi-host environment. Hubs or switches must be used.
- Mixing JNI and Emulex SBUS HBAs on the same host connected to the same storage system is not supported. If there is a business reason to do so, submit an RPQ.
- Support for FC4500, FC4700, and FC5300.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- FC-AL and FC-SW topologies can co-exist on the same server but not on the same HBA, provided that the different topologies are attached to different HBAs
- FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
- FC-SW applies only to CX600, CX400, FC4500 and FC4700
- No OPS support for Solaris 7.
- Dynamic Reconfiguration is supported (Enterprise 10000 SBus only); requires ATF v3.1.2 or higher.
- Cluster with more than 4 nodes requires VCS patch P2 and VxVM v3.1 patch P4
- GAB disks (membership and service group heartbeat disks) are not supported.
- Supported on CX600, CX400, FC4500, FC4700 Only
- Clusters with more than 4 nodes require VCS patch P2 and VxVM v3.1 patch P4
- Requires Solaris 8 update 7 or later.
- Veritas HA clusters are supported with FC-SW only
- Supported with Powerpath 3.x configuration only. Native names only, no "power devices". Review the ESN topology guide section on Oracle DBED/AC case studies for configuration restrictions.
- Review the ESN Topology Guide section on Oracle DBED/AC Case Studies for configuration restrictions.
- If all FC connectivity to the array is lost (without a server shutdown), then after connectivity is restored, the user must execute a vxctl enable command, before the VCS Oracle 9iRAC service group is brought back online.
- Requires Symmetrix 8000 Series, PowerPath 3.0.4 or later, VxVM 3.5 or later or Solstice Disk Suite (SDS) 4.2.1. Supported with Microcode 5568.52.18
5567 code revisions supported are 5567.46.24 or 5567.53.30. 5567.53.30 requires the PGR Phase 4 E-pack.
Symmetrix "PER" volume flag for Persistent Reservation support for devices accessible through more than two paths.
- Veritas MP1 is required for clusters with more than 2 servers
- Review VERITAS Database Edition/Advanced Cluster 3.5 for Oracle 9i RAC Release Notes for supported Oracle Database releases.
- 64-bit HBAs will not fit into the 32-bit slot due to a physical obstruction.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- See the EMC price book for HBA vendor ordering information. This HBA is not sold by EMC.
- FC4700 Core software minimum requirements
Array software – Access Logix 08.50.55
Array software – Non-Access Logix 08.50.05
- Solaris 8:
Requires PowerPath 3.0.4.
Support for Veritas Volume Manager VxVM 3.2 with Patch 04 and SDS 4.2.1 with patch 108693-16 or later.
- OPS, RAC, or greater than 2-node HA are supported with FC-SW only.
- Supported with VCS only.
- Supported on CX600, CX400 and FC4700-2 only.
- Supported with VCS 3.5 Maintenance Patch 1
- Please review Veritas support pages for latest patch information.
- EMC required Sun patches for Solaris 9:**
112233-08 Sun OS 5.9: kernel patch
112834-03 Sun OS 5.9: patch SCSI
113277-17 Sun OS 5.9: sd and ssd patch
- Solaris 9:
Requires PowerPath 3.0.4.
Support for Veritas Volume Manager VxVM 3.2 (Patch 04 required) and Solaris Volume Manager.
Requires patches 112563-10 or later, and 114176-02 or later.
- Requires PowerPath 3.0.4.
Supported only on VxVM 3.2 P04, VxVM 3.5 MP1 or later, and SDS 4.2.1 with patch 108693-16 or later.
- Core software minimum requirement with
CX600
Array software – Access Logix 02.05.1.60.5.009
Array software – Non-Access Logix 02.05.0.60.5.009
CX400
Array software – Access Logix 02.05.1.40.5.008
Array software – Non-Access Logix 02.05.0.40.5.008
- Requires PowerPath 3.0.4.
Supported only on VxVM 3.5 MP1 or later and SVM.
- 42.

Use of the LP9002DC or QLA2342 requires FCO A0218-1 from Sun for HBA's to operate in 66mhz mode. Without this FCO the HBA's will only come up in 33mhz mode which could have an impact on performance.

Fibre Connectivity: Hub

Please refer to the Cables and Connectors section for more information. Please refer to the Base Connectivity Interoperability Application for details concerning kernel versions, minimum driver and BIOS / firmware revisions. Fanout represents the maximum initiators (host adapters) per array port. Fanin represents the number of array ports visible to a single initiator (host adapter). In arbitrated loop environments, these numbers represent the maximum initiators per loop. In switch environments, these numbers are achieved through Zoning. For further details on Fanin/Fanout, see the Connectrix Enterprise Storage Network Planning Guide, EMC Networked Storage Topology Guide, and CLARiiON Open Systems Configuration Guide. For Switch Firmware levels and other fabric parameters, see Switched Fabric Topology parameters.

HPQ HP-UX

HPQ HP-UX									
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop	Comments
1	HPQ HP-UX 11.0: 990P ⁴ , ACE ⁴ ; HPQ HP-UX: 11.0 ⁴ , 11i v1.0 (HP-UX 11.11) ⁴	HPQ: A3404A, A3591B, A3740A, A5158A, A6684A, A6685A, A6795A ⁸	Gadzoos FCL1063TW; HPQ: A3724A/AZ ⁷ , A4839A/AZ ⁷	4	15 ⁵ , 32 ⁶	223	256	128	See ^{1, 2, 3}

1. Fanout/Fan in

CX600 4:1/1:4
CX400 4:1/1:4
FC4700 4:1/1:4
FC4500 4:1/1:4

2. Lun Per HBA (FC-AL)

CX600 256
CX400 256
FC4700 233
FC4500 223

3. Luns Per Array (FC-AL)

CX600 256
CX400 256
FC4700 223
FC4500 223

4. For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/vo1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.

5. with 08.41.xx or lower microcode

6. with 08.42.xx or higher microcode

7. HP optical Hubs (HP models A3724A and A4839A) have been qualified, but are not sold by EMC.

8. As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)
L2000 (product number A5191A)
N4000 Revision A (product number A3639A)
N4000 Revision B (product number A3639B)

IBM AIX

IBM AIX									
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop	Comments
1	IBM AIX: 4.3.3, 5.1	IBM: 6227, 6228	Gadzoos FCL1063TW	4 ⁵ , 6, 7	15 ⁸ , 32 ⁹	223	256	CX400 512 luns, CX600 1024 luns, FC4700 223 luns	
2	IBM AIX: 4.3.3, 5.1 ¹⁰	Emulex: LP8000-EMC ⁴ , LP9002-E, LP9002L-E, LP9002L-F2	Gadzoos FCL1063TW	4 ⁵ , 6, 7	15 ⁸ , 32 ⁹	223	256	CX400 512 luns, CX600 1024 luns, FC4700 223 luns	See ^{1, 2, 3}

1. CX400 Fanout/Fanin 4:1/1:4
2. CX600 Fanout/Fanin 8:1/1:4
3. FC4700 Fanout/Fanin 4:1/1:4
4. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
5. FC4700 Fanin 1:4
6. CX600 Fanin 1:4
7. CX400 Fanin 1:4
8. with 08.41.xx or lower microcode
9. with 08.42.xx or higher microcode
10. No support for the CX400 or CX600. Supports FC4500, FC4700, FC4700-2

Microsoft Windows 2000

Microsoft Windows 2000								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2}	Emulex: LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Gadzoox FCL1063TW	4	15 ³ , 32 ⁴	223	223, 256	128
2	Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E, LP10000DC-E	Gadzoox FCL1063TW	4	15 ³ , 32 ⁴	223	223, 256	128
3	Microsoft Windows 2000: Advanced Server SP4 ¹ , Server SP4 ¹	Emulex: LP10000-E, LP10000DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	Gadzoox FCL1063TW	4	15 ³ , 32 ⁴	223	223, 256	128

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- with 08.41.xx or lower microcode
- with 08.42.xx or higher microcode
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Microsoft Windows NT

Microsoft Windows NT								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ² , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Gadzoox FCL1063TW ³	4	15 ⁴ , 32 ⁵	223	223, 256	128

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- No support for Fibre Channel Hubs on AViiON servers.
- with 08.41.xx or lower microcode
- with 08.42.xx or higher microcode

Novell Netware

Novell Netware								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	Novell Netware 5.10: SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,4} , SP2 ^{1,4} , SP3 ⁴ ; Novell Netware 6.5 ^{4,5}	QLogic: QLA2310F-E-SP, QLA2340-E-SP	Gadzoox FCL1063TW	4	15 ² , 32 ³	223	223, 256	128

- Maximum number of NWFS volumes that can be mounted is 64.
- with 08.41.xx or lower microcode
- with 08.42.xx or higher microcode
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.

Red Hat Linux

Red Hat Linux								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	Red Hat Linux 2.1 Advanced Server v2.4.9-e.25 ¹	Emulex: LP9002-E (LP9002L-E) ^{8,12,13,14} , LP9002DC-E ^{3,8,13,14,15} , LP9802-E ^{8,13,14,15} , LP9802DC-E ^{8,13,14} , LP982-E ^{3,8,13,15,16}	Gadzoox FCL1063TW	4	15 ⁴ , 32 ⁵	223	128	128
2	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.10 ^{1,6} , v2.4.9-e.12 ^{1,6} , v2.4.9-e.16 ^{1,6} , v2.4.9-e.3 ^{1,2} , v2.4.9-e.9 ^{1,6} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,6} , v2.4.9-e.16 ^{1,6}	QLogic: QLA2200F-EMC ³ , QLA2310F-E-SP ³ , QLA2340-E-SP ³	Gadzoox FCL1063TW	4	15 ⁴ , 32 ⁵	223	128	128
3	Red Hat Linux 2.1 ES v2.4.9-e.25 ¹	Emulex LP1050DC-E ^{3,8,13,14,15}	Gadzoox FCL1063TW	4	15 ⁴ , 32 ⁵	223	1238	128
4	Red Hat Linux 2.1 ES v2.4.9-e.25 ¹	Emulex: LP10000-E ^{3,8,13,14,15} , LP10000DC-E ^{3,8,13,14,15} , LP1050-E ^{3,8,13,14,15} , LP9002-E (LP9002L-E) ^{8,12,13,14} , LP9002DC-E ^{3,8,13,14,15} , LP9802-E ^{8,13,14,15} , LP9802DC-E ^{8,13,14} , LP982-E ^{3,8,13,15,16}	Gadzoox FCL1063TW	4	15 ⁴ , 32 ⁵	223	128	128
5	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ^{1,7} , ES v2.4.9-e.24 ^{1,7}	Emulex: LP9002-E (LP9002L-E) ^{8,12,13,14} , LP9002DC-E ^{3,8,13,14,15} , LP9802DC-E ^{8,13,14} , LP982-E ^{3,8,13,15,16} ; QLogic: QLA2200F-EMC ^{3,8,9,10} , QLA2310F-E-SP ^{3,8,9,11} , QLA2340-E-SP ^{3,9,11}	Gadzoox FCL1063TW	4	15 ⁴ , 32 ⁵	223	128	128

Red Hat Linux								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
6	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ¹ , ES v2.4.9-e.24 ¹	Emulex LP9802-E ^{8, 13, 14, 15}	Gadzoox FCL1063TW	4	15 ⁴ , 32 ⁵	223	128	128
7	Red Hat Linux 2.1: Advanced Server v2.4.9-e.25 ^{1, 7} , ES v2.4.9-e.25 ^{1, 7}	QLogic: QLA2200F-EMC ^{3, 8, 9, 10} , QLA2310F-E-SP ^{3, 8, 9, 11} , QLA2340-E-SP ^{3, 9, 11}	Gadzoox FCL1063TW	4	15 ⁴ , 32 ⁵	223	128	128
8	Red Hat Linux 7.3 updated to v2.4.20-20.7 ¹	Emulex: LP10000DC-E, LP9002DC-E, LP9802-E; QLogic: QLA2200F-EMC ³ , QLA2310F-E-SP ³ , QLA2340-E-SP ³	Gadzoox FCL1063TW	4	15 ⁴ , 32 ⁵	223	128	128
9	Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹	Emulex: LP9002-E (LP9002L-E) ^{8, 12, 13, 14} , LP9002DC-E ^{3, 8, 13, 14, 15} , LP9802-E ^{3, 8, 13, 14, 15} , LP9802DC-E ^{3, 8, 13, 14, 15}	Gadzoox FCL1063TW	4	15 ⁴ , 32 ⁵	223	128	128

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supported with QLogic driver v6.05.00.
- Single HBA zoning is required regardless of the switch being utilized.
- with 08.41.xx or lower microcode
- with 08.42.xx or higher microcode
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath.
- Booting from EMC storage arrays is NOT supported with PowerPath.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.

SGI IRIX

SGI IRIX								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	SGI IRIX: 6.5.11, 6.5.12	SGI PCI-FC-1P-OPT-A	Gadzoox FCL1063TW	4	15 ¹ , 32 ²	223	256 ⁵	223 ^{3, 4} , See notes ^{3, 4}
2	SGI IRIX: 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B	Gadzoox FCL1063TW	4	15 ¹ , 32 ²	223	256 ⁵	223 ^{3, 4} , See notes ^{3, 4}

- with 08.41.xx or lower microcode
- with 08.42.xx or higher microcode
- FC4700 223, CX400 512, CX600 1024
- The maximum number of LUNs which IRIX can address on a single CLARiiON is 255.
- This is the maximum number of LUNs supported by IRIX on a single CLARiiON, independent of the number of ports on the array.

SuSE Linux

SuSE Linux								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1, 2}	Emulex LP1050DC-E ^{3, 4, 10, 11, 16}	Gadzoox FCL1063TW	4	15 ⁷ , 32 ⁸	223	1238	128
2	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1, 2}	Emulex: LP10000-E ^{3, 4, 5, 10, 11} , LP10000DC-E ^{3, 4, 5, 10, 11} , LP1050-E ^{3, 4, 10, 11, 16} , LP9002-E (LP9002L-E) ^{3, 4, 5, 10, 11, 14} , LP9002DC-E ^{3, 4, 5, 10, 11, 12, 13} , LP9802-E ^{3, 4, 5, 10, 11} , LP9802DC-E ^{3, 4, 5, 10, 11, 12, 13} , LP982-E ^{3, 4, 10, 11, 15} ; QLogic: QLA2200F-EMC ^{3, 4, 5, 9} , QLA2310F-E-SP ^{3, 4, 5, 6} , QLA2340-E-SP ^{3, 5, 6}	Gadzoox FCL1063TW	4	15 ⁷ , 32 ⁸	223	128	128

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- Single HBA zoning is required regardless of the switch being utilized.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- with 08.41.xx or lower microcode
- with 08.42.xx or higher microcode
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Use the boot option "acpi=oldboot" in SuSE SLES8 SMP configurations with the LP9802DC-E and LP9002DC-E adapters
- Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.

Sun Solaris

Sun Solaris								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	Sun Solaris 2.6	Emulex: LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002S-E; JNI: FC64-1063-DG, FC64-1063-N-DG; QLogic: QLA2340-E-SP, QLA2342-E-SP	Gadzoox FCL1063TW	4	15 ¹ , 32 ²	223	256	128

Sun Solaris								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
2	Sun Solaris 7	Emulex: LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002S-E, LP9802-E; JNI: FC64-1063-DG, FC64-1063-N-DG; QLogic: QLA2340-E-SP, QLA2342-E-SP	Gadzoos FCL1063TW	4	15 ¹ , 32 ²	223	256	128
3	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; JNI: FC64-1063-DG, FC64-1063-N-DG; QLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Gadzoos FCL1063TW	4	15 ¹ , 32 ²	223	256	128
4	Sun Solaris 9	Emulex: LP10000-E, LP10000DC-E, LP9002C-E, LP9002DC-E, LP9802-E; QLogic QCP2202F-E-SP	Gadzoos FCL1063TW	4	15 ¹ , 32 ²	223	256	128

1. with 08.41.xx or lower microcode
2. with 08.42.xx or higher microcode
3. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Fibre Connectivity: Switch

Fanout represents the maximum initiators (host adapters) per array port. Fanin represents the number of array ports visible to a single initiator (host adapter). In arbitrated loop environments, these numbers represent the maximum initiators per loop. In switch environments, these numbers are achieved through Zoning. For further details on Fanin/Fanout, see the Connectrix Enterprise Storage Network Planning Guide, EMC Networked Storage Topology Guide, and CLARiON Open Systems Configuration Guide. For Switch Firmware levels and other fabric parameters, see Switched Fabric Topology parameters.

DG DG/UX

DG DG/UX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	DG DG/UX R4.20MU07	Emulex LP8000-F1	Brocade Silkstorm: 2400, 2800, 6400; EMC Connectrix: DS-16B2 ⁴ , DS-16B ³ , DS-8B	6	15 ¹ , 32 ²	223	256	N

1. with 08.41.xx or lower microcode
2. with 08.42.xx or higher microcode
3. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
4. EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

EMC NAS

EMC NAS								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	EMC NAS: 4.1.12, 4.1.4, 4.1.8, 4.2.11, 4.2.18, 4.2.22, 4.2.5	EMC: 201-712-900, 250-734-902, 250-735-900, 250-736-900	Brocade Silkstorm: 2400, 2800, 3200, 3800, 6400; EMC Connectrix: DS-16B2 ^{5, 6} , DS-16B ¹ , DS-16M2, DS-24M2, DS-32M2, DS-8B2, ED-1032 ⁷ , ED-140M, ED-64M; Fujitsu Siemens PSFS-B161; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	8 ²	15 ³ , 32 ⁴	223	40	N
2	EMC NAS: 5.0.11, 5.0.9, 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC: 201-712-900, 250-734-902, 250-735-900, 250-736-900	Brocade Silkstorm: 2400, 2800, 3200, 3800, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{5, 6} , DS-16B ¹ , DS-16M2, DS-24M2, DS-32M2, DS-8B2, ED-1032 ⁷ , ED-140M, ED-64M; Fujitsu Siemens PSFS-B161; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	8 ²	15 ³ , 32 ⁴	223	40	N

1. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
2. With 4 DPE
3. with 08.41.xx or lower microcode
4. with 08.42.xx or higher microcode
5. Firmware 3.02a or later required.
6. EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
7. Firmware 4.00.00 or later required.

HPQ HP-UX

HPQ HP-UX									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
1	HPQ HP-UX 11.0 990P ⁴	HPQ A5158A	EMC Connectrix DS-8B2 ²⁵	32	15 ⁸ , 32 ⁹	223	320, 512	Y ²⁶	
2	HPQ HP-UX 11.0 990P ⁴	HPQ A5158A	EMC Connectrix DS-8B2 ²⁵	4	15 ⁸ , 32 ⁹	223	320, 512	Y ²⁶	See ^{7, 24}
3	HPQ HP-UX 11.0 990P ⁴	HPQ A6795A ¹⁹	EMC Connectrix DS-8B2 ²⁵	32	15 ⁸ , 32 ⁹	223	256, 320 ²⁷ , 512 ^{28, 29}	Y ²⁶	
4	HPQ HP-UX 11.0 990P ⁴	HPQ A6795A ¹⁹	EMC Connectrix DS-8B2 ²⁵	4	15 ⁸ , 32 ⁹	223	256, 320 ²⁷ , 512 ^{28, 29}	Y ²⁶	See ^{7, 24}
5	HPQ HP-UX 11.0 ACE ⁴	HPQ A6684A	EMC Connectrix DS-8B2 ²⁵	32	15 ⁸ , 32 ⁹	223	256, 320 ²⁷ , 30, 31, 512 ²⁸ , 29, 32, 33	Y ²⁶	
6	HPQ HP-UX 11.0 ACE ⁴	HPQ A6684A	EMC Connectrix DS-8B2 ²⁵	4	15 ⁸ , 32 ⁹	223	256, 320 ²⁷ , 30, 31, 512 ²⁸ , 29, 32, 33	Y ²⁶	See ^{7, 24}
7	HPQ HP-UX 11.0 ACE ⁴	HPQ A6685A	EMC Connectrix DS-8B2 ²⁵	32	15 ⁸ , 32 ⁹	223	256, 320 ³¹ , 512 ^{29, 32}	Y ²⁶	
8	HPQ HP-UX 11.0 ACE ⁴	HPQ A6685A	EMC Connectrix DS-8B2 ²⁵	4	15 ⁸ , 32 ⁹	223	256, 320 ³¹ , 512 ^{29, 32}	Y ²⁶	See ^{7, 24}
9	HPQ HP-UX 11.0 Dec 2002 ⁴	HPQ A6795A ^{19, 21}	Cisco MDS 9216	4	15 ⁸ , 32 ⁹	223	256	Y	See ²⁰
10	HPQ HP-UX 11.0 March 2003 ⁴	HPQ A6795A ¹⁹	Cisco MDS 9216 ²²	4	15 ⁸ , 32 ⁹	223	512	Y	See ²³
11	HPQ HP-UX 11.0 March 2003 ⁴	HPQ: A6684A, A6685A	Cisco MDS 9509 ²²	4	15 ⁸ , 32 ⁹	223	512	Y	See ^{1, 2, 3, 12}
12	HPQ HP-UX 11.0 Sept 2001 ⁴	HPQ A5158A	Cisco MDS 9216 ²²	4	15 ⁸ , 32 ⁹	223	512	Y	See ^{1, 2, 3, 12}
13	HPQ HP-UX 11.0 Sept 2001 ⁴	HPQ A6795A ¹⁹	Cisco MDS 9509 ²²	4	15 ⁸ , 32 ⁹	223	256	Y	See ^{1, 2, 3, 12, 20}
14	HPQ HP-UX 11.0 Sept 2001 ⁴	HPQ A6795A ¹⁹	Cisco MDS 9509 ²²	4	15 ⁸ , 32 ⁹	223	512	Y	See ²³
15	HPQ HP-UX 11.0: 990P ⁴ , ACE ⁴	HPQ: A3404A, A3591B, A3740A, A5158A, A6684A, A6685A, A6795A ¹⁹	Brocade Silkworm: 12000 ¹⁷ , 2400 ^{5, 6, 7} , 2800 ^{5, 6, 7} , 3200 ^{6, 14, 17} , 3800 ^{6, 14, 17} , 3900 ^{14, 17} , 6400 ^{6, 14, 17} ; EMC Connectrix: DS-16B ^{26, 13, 14, 15} , DS-16B ^{5, 7, 10, 11} , DS-16M ²⁶ , DS-24M ²⁶ , DS-32B ^{26, 16} , DS-32M ²⁶ , DS-8B ^{5, 6, 7} , ED-1032 ⁶ , ED-12000B ^{16, 17} , ED-140M, ED-64M ⁶ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	15 ⁸ , 32 ⁹	223	256	Y	See ^{1, 2, 3}
16	HPQ HP-UX 11.0 ⁴	HPQ: A3404A, A3591B, A3740A, A5158A, A6684A, A6685A, A6795A ¹⁹	Brocade Silkworm: 12000 ^{17, 18} , 3200 ^{6, 14, 17} , 3800 ^{6, 14, 17} , 3900 ^{14, 17} ; EMC Connectrix: DS-16B ^{26, 13, 14, 15} , DS-16M ²⁶ , DS-24M ²⁶ , DS-32B ^{26, 16} , DS-32M ²⁶ , ED-1032 ⁶ , ED-64M ⁶	4	15 ⁸ , 32 ⁹	223	256	Y	See ^{1, 2, 3, 12}
17	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Dec 2002 ⁴	HPQ A5158A	Cisco MDS 9216 ²²	4	15 ⁸ , 32 ⁹	223	512	Y	See ²³
18	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Dec 2002 ⁴	HPQ A6795A ¹⁹	Cisco MDS: 9216 ²² , 9509 ²²	4	15 ⁸ , 32 ⁹	223	512	Y	See ²³
19	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Dec 2002 ⁴	HPQ: A6684A, A6685A	Cisco MDS 9509 ²²	4	15 ⁸ , 32 ⁹	223	512	Y	See ²³
20	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ⁴	HPQ A6795A ¹⁹	Brocade Silkworm: 12000 ¹⁷ , 3200 ^{6, 14, 17} , 3800 ^{6, 14, 17} , 3900 ^{14, 17} ; Cisco MDS 9509 ²² ; EMC Connectrix: DS-16B ^{26, 13, 14, 15} , DS-16M ²⁶ , DS-24M ²⁶ , DS-32B ^{26, 16} , DS-32M ²⁶ , ED-1032 ⁶ , ED-64M ⁶	4	15 ⁸ , 32 ⁹	223	256	Y	See ^{1, 2, 3, 12}
21	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ⁴	HPQ: A3404A, A3591B, A3740A, A5158A, A6684A, A6685A	Brocade Silkworm: 12000 ¹⁷ , 3200 ^{6, 14, 17} , 3800 ^{6, 14, 17} , 3900 ^{14, 17} ; EMC Connectrix: DS-16B ^{26, 13, 14, 15} , DS-16M ²⁶ , DS-24M ²⁶ , DS-32B ^{26, 16} , DS-32M ²⁶ , ED-1032 ⁶ , ED-64M ⁶	4	15 ⁸ , 32 ⁹	223	256	Y	See ^{1, 2, 3, 12}
22	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ⁴	HPQ: A5158A, A6795A ¹⁹	EMC Connectrix DS-8B2 ²⁵	32	15 ⁸ , 32 ⁹	223	512	Y ²⁶	
23	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ⁴	HPQ: A5158A, A6795A ¹⁹	EMC Connectrix DS-8B2 ²⁵	4	15 ⁸ , 32 ⁹	223	512	Y ²⁶	See ^{7, 24}
24	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ⁴	HPQ: A6684A, A6685A	EMC Connectrix DS-8B2 ²⁵	32	15 ⁸ , 32 ⁹	223	256, 320 ²⁷ , 30, 31, 512 ²⁸ , 29, 32, 33	Y ²⁶	
25	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ⁴	HPQ: A6684A, A6685A	EMC Connectrix DS-8B2 ²⁵	4	15 ⁸ , 32 ⁹	223	256, 320 ²⁷ , 30, 31, 512 ²⁸ , 29, 32, 33	Y ²⁶	See ^{7, 24}
26	HPQ HP-UX: 11.0 March 2003 ⁴ , 11i v1.0 (HP-UX 11.11) March 2003 ⁴	HPQ A5158A	Cisco MDS 9509 ²²	4	15 ⁸ , 32 ⁹	223	512	Y	

HPQ HP-UX									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
27	HPQ HP-UX: 11.0 ⁴ , 11i v1.0 (HP-UX 11.11) ⁴	HPQ: A3404A, A3591B, A3740A, A5158A, A6684A, A6685A, A6795A ¹⁹	Brocade Silkworm: 2400 ^{5, 6, 7} , 2800 ^{5, 6, 7} , 6400 ^{6, 14, 17} ; EMC Connectrix: DS-16B ^{5, 7, 10, 11} , DS-8B ^{5, 6, 7} , ED-12000B ^{16, 17} , ED-140M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	158, 329	223	256	Y	See ^{1, 2, 3}

1. Fanout/Fan in

CX600 32:1/1:4
CX400 32:1/1:4
FC4700 32:1/1:4 (08.42.xx or higher microcode)
15:1/1:4 (08.41.xx or lower microcode)

2. Luns Per HBA

CX600 256
CX400 256
FC4700 223
FC4500 223

3. Luns Per Array (FC-SW)

CX600 1024 (256 LUNs per storage group, 32 LUNs maximum per RAID group, 32 RAID groups maximum.

CX400 512
FC4700 223
FC4500 223

4. For HP-UX systems only:LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
5. Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
6. Switch support can be QuickLoop dedicated to any HP hosts in Table 84 on page 226 or heterogeneous fabric with HP FC-SW (fabric) hosts in that table. For FC4700, one port on each SP may be used for QuickLoop when the other port is used for FC-SW. QuickLoop support requires chargeable model DSBQLP-0D.
7. Requires at least v5.11.09 of FC5700 Core Software (a.k.a. Flare), v5.32.01 of FC4500 Core Software or v5.24.00 of FC5300 Core Software.
8. **with 08.41.xx or lower microcode**
9. **with 08.42.xx or higher microcode**
10. **Switch support can be QuickLoop dedicated to any HP hosts in table titled "Clariion CX600/CX400 Base Connectivity" or heterogeneous fabric with HP FC-SW (fabric) hosts in that table. For FC4700, one port on each SP may be used for QuickLoop when the other port is used for FC-SW. QuickLoop support requires chargeable model DSBQLP-0D.**
11. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
12. CX600 Fanout/in 32:1/1:4
CX400 Fanout/in 32:1/1:4
FC4700 Fanout/in 32:1/1:4
FC4500 Fanout/in 15:1/1:4
13. **QuickLoop is not supported with Brocade 3900/12000 or ED-12000B.**
14. FC4700-2 supported at 1 Gb and 2 Gb.
15. EMC DS-16B2 for "Extended Fabric License" , use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
16. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
17. QuickLoop is not supported with Brocade 3200/3800/12000 or DS-16B2, ED-12000B.
18. Boot support Minimum fw.v4.0.2a
19. As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)
L2000 (product number A5191A)
N4000 Revision A (product number A3639A)
N4000 Revision B (product number A3639B)
NDU base: 08.49.51
20. supported sever model: rp5470 PDC 42.06
22. **During initial switch configuration with fw 1.2 or earlier, in an HP-UX environment, the Persistent FC IDs must be enabled on the Vsan that contains any HP HBAs. The N_Port Area IDs must be manually configured to be unique, static, and persistent on the Vsan that contains any HP HBAs. the target storage array's N_Port ID must also be set to persistent and static. See MDS 9000 Family Configuration Guide for details.**
23. Minimum microcode revision: 08.49.51
24. Supported on CX600, CX400 and FC4700-2 only.
25. The 200-561-9XX, and 200-563-9XX FA director family support a total of 256 LUNs per FA port. (Hewlett Packard Alpha Tru64 supports 255 LUNs.)
26. "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a CLARiiON port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for NO means this host cannot share an FA/SP port with any different OS/HBA):
1. Access Logix is required to prevent sharing CLARiiON devices between Operating Systems on a single FA port.
2. Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/Fanin of 12:1/1:12 and NetWare using the QLA2200F, which has a Fanout/Fanin of 6:1/1:6. The Fanout/Fanin is restricted to 6:1/1:6.
3. See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information.
27. Maximum of 320 visible LUNs per hba supported with HP-UX 11.0 HA configurations
28. Maximum of 512 visible LUNs per hba supported with HP-UX 11i v1.0 (HP-UX 11.11) HA and non-HA configurations
29. Maximum of 512 visible LUNs per hba supported with HP-UX 11.0 non-HA configurations
30. Maximum of 320 visible LUNs per hba supported with HP-UX 10.20 HA configurations.
31. Maximum of 320 visible LUNs per hba supported with HP-UX 11.0 HA configurations.
32. Maximum of 512 visible LUNs supported with HP-UX 11.0 non-HA configurations
33. Maximum of 512 visible LUNs per hba supported with HP-UX 10.20 non-HA configurations

HPQ Tru64 UNIX

HPQ Tru64 UNIX									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
1	HPQ Tru64 UNIX V5.0A	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800 ⁶ , 3900, 6400; EMC Connectrix: DS-16B ^{2,6,8} , DS-16B ⁹ , DS-16M2, DS-24M2, DS-32B ^{2,7} , DS-32M2, DS-8B, DS-8B ² , ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁰ , ES-4500	4	15 ⁴ , 32 ³	223	255 ⁵	Y	See ¹
2	HPQ Tru64 UNIX: V5.1, V5.1A, V5.1B ²	HPQ: FCA2354 (LP9002), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800 ⁶ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,6,8} , DS-16B ⁹ , DS-16M2, DS-24M2, DS-32B ^{2,7} , DS-32M2, DS-8B, DS-8B ² , ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁰ , ES-4500	4	15 ⁴ , 32 ³	223	255 ⁵	Y	See ¹

- Supported with the FC4700-2 only.
- Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).
- with 08.42.xx or higher microcode
- with 08.41.xx or lower microcode
- CX600/CX400: 255 LUNs/HBA --- FC4700 223 LUNs/HBA
- Firmware v3.0.2d or later is required with the DS-16B2 switch.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

IBM AIX

IBM AIX									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
1	IBM AIX 5.1	IBM 6239	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2,10} , DS-16B ⁷ , DS-16M2, DS-24M2, DS-32B ^{2,8} , DS-32M2, DS-8B, DS-8B ^{2,11} , ED-1032 ^{3,9} , ED-12000B ⁸ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	15 ⁴ , 32 ⁵	223	256, 512	Y ⁶	See ¹
2	IBM AIX: 4.3.3, 5.1	Emulex LP9002-E	Brocade Silkworm: 12000, 2400 ¹ , 2800 ¹ , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2,10} , DS-16B ^{3,7} , DS-16M2 ³ , DS-24M2 ³ , DS-32B ^{2,8} , DS-32M2 ³ , DS-8B ^{1,3} , ED-1032 ^{3,9} , ED-12000B ^{3,8} , ED-140M ³ , ED-64M ³ ; McDATA: ED-6064 ³ , ED-6140 ³ , ES-3216 ³ , ES-3232 ³ , ES-4500 ³	32	15 ⁴ , 32 ⁵	223	256	Y ⁶	See ¹
3	IBM AIX: 4.3.3, 5.1	Emulex: LP8000-EMC ² , LP9002L-E, LP9002L-F2	Brocade Silkworm: 12000, 2400 ¹ , 2800 ¹ , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2,10} , DS-16B ^{3,7} , DS-16M2 ³ , DS-24M2 ³ , DS-32B ^{2,8} , DS-32M2 ³ , DS-8B ^{1,3} , ED-1032 ^{3,9} , ED-12000B ^{3,8} , ED-140M ³ , ED-64M ³ ; McDATA: ED-6064 ³ , ED-6140 ³ , ES-3216 ³ , ES-3232 ³ , ES-4500 ³	32	15 ⁴ , 32 ⁵	223	256 luns	Y ⁶	See ¹
4	IBM AIX: 4.3.3, 5.1	Emulex: LP8000-EMC ² , LP9002L-E, LP9002L-F2	EMC Connectrix DS-16B ^{2,10}	32	15 ⁴ , 32 ⁵	223	256	Y ⁶	
5	IBM AIX: 4.3.3, 5.1	IBM: 6227, 6228	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2,10} , DS-16B ⁷ , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,8} , DS-32M, DS-32M2, DS-8B, DS-8B ^{2,11} , ED-1032 ^{3,9} , ED-12000B ⁸ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3032, ES-3216, ES-3232, ES-4500	4	15 ⁴ , 32 ⁵	223	256 luns	Y ⁶	See ¹
6	IBM AIX: 5.1, 5.2	IBM 6239	Cisco MDS: 9216, 9509; EMC Connectrix DS-8B ^{2,11}	32	15 ⁴ , 32 ⁵	223	256, 512	Y ⁶	
7	IBM AIX: 5.1, 5.2	IBM: 6227, 6228	Cisco MDS: 9216, 9509; EMC Connectrix: DS-16M, DS-32M, DS-8B ^{2,11} ; McDATA ES-3032	32	15 ⁴ , 32 ⁵	223	512	Y ⁶	

- Requires at least v5.11.09 of FC5700 Core Software (a.k.a. Flare), v5.32.01 of FC4500 Core Software or v5.24.00 of FC5300 Core Software.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- ED-64 and ED-1032 not supported for FC5300.
- with 08.41.xx or lower microcode
- with 08.42.xx or higher microcode
- "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a CLARiiON port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for NO means this host cannot share an FA/SP port with any different OS/HBA):
 - Access Logix is required to prevent sharing CLARiiON devices between Operating Systems on a single FA port.
 - Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/Fanin of 12:1/1:12 and NetWare using the QLA2200F, which has a Fanout/Fanin of 6:1/1:6. The Fanout/Fanin is restricted to 6:1/1:6.
 - See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- Multipath support or connections to the secondary port are not supported at this time.

10. EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
 11. The 200-561-9XX, and 200-563-9XX FA director families support a total of 256 LUNs per FA port. (Hewlett Packard Alpha Tru64 supports 255 LUNs.)

Microsoft Windows 2000

Microsoft Windows 2000								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Microsoft Windows 2000 Advanced Server SP3 ^{1, 2}	<p>Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC³, LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E;</p> <p>HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982);</p> <p>IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062¹², Optical Pass-thru Module 02R9080^{13, 14};</p> <p>QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP</p>	<p>Brocade Silkworm: 12000, 2400⁷, 2800⁷, 3200, 3800, 3900, 6400;</p> <p>Cisco MDS: 9120, 9140, 9216, 9509;</p> <p>EMC Connectrix: DS-16B2⁹, DS-16B^{7, 10}, DS-16M, DS-16M2, DS-24M2, DS-32B2⁸, DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B⁸, ED-140M, ED-64M;</p> <p>McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300¹⁵, ES-4500</p>	4	15 ⁴ , 32 ⁵	223	223, 256	Y ⁶
2	Microsoft Windows 2000 Advanced Server SP3 ^{1, 2}	Unisys FCH732213-P64 (LP9002L-F2)	<p>Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400;</p> <p>Cisco MDS: 9120, 9140, 9216, 9509;</p> <p>EMC Connectrix: DS-16B2⁹, DS-16B¹⁰, DS-16M, DS-16M2, DS-24M2, DS-32B2⁸, DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B⁸, ED-140M, ED-64M;</p> <p>McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300¹⁵, ES-4500</p>	4	15 ⁴ , 32 ⁵	223	256	Y ⁶
3	<p>Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP4¹;</p> <p>Microsoft Windows 2000 Datacenter: SP2^{1, 2}, SP3^{1, 2}, SP4¹;</p> <p>Microsoft Windows 2000 Server: SP2^{1, 2}, SP3^{1, 2}, SP4¹</p>	<p>Emulex: LP8000-EMC³, LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E;</p> <p>IBM 00N6881 (QLA2200)¹¹;</p> <p>QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP;</p> <p>Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)</p>	<p>Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400;</p> <p>Cisco MDS: 9120, 9140, 9216, 9509;</p> <p>EMC Connectrix: DS-16B2⁹, DS-16B¹⁰, DS-16M, DS-16M2, DS-24M2, DS-32B2⁸, DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B⁸, ED-140M, ED-64M;</p> <p>McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300¹⁵, ES-4500</p>	4	15 ⁴ , 32 ⁵	223	256	Y ⁶
4	<p>Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP4¹;</p> <p>Microsoft Windows 2000 Datacenter: SP2^{1, 2}, SP3^{1, 2}, SP4¹;</p> <p>Microsoft Windows 2000 Server: SP2^{1, 2}, SP3^{1, 2}, SP4¹</p>	QLogic QLA2300F-E-SP	<p>Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400;</p> <p>EMC Connectrix: DS-16B2⁹, DS-16B¹⁰, DS-16M, DS-16M2, DS-24M2, DS-32B2⁸, DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B⁸, ED-140M, ED-64M;</p> <p>McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300¹⁵, ES-4500</p>	4	15 ⁴ , 32 ⁵	223	256	Y ⁶
5	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	<p>Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E;</p> <p>HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)</p>	<p>Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400;</p> <p>Cisco MDS: 9120, 9140, 9216, 9509;</p> <p>EMC Connectrix: DS-16B2⁹, DS-16B¹⁰, DS-16M, DS-16M2, DS-24M2, DS-32B2⁸, DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B⁸, ED-140M, ED-64M;</p> <p>McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300¹⁵, ES-4500</p>	4	15 ⁴ , 32 ⁵	223	223, 256	Y ⁶

Microsoft Windows 2000								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
6	Microsoft Windows 2000: Advanced Server SP2 ^{1, 2} , Server SP2 ^{1, 2} , Server SP3 ^{1, 2}	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ¹² , Optical Pass-thru Module 02R9080 ^{13, 14}	Brocade Silkworm: 12000, 2400 ⁷ , 2800 ⁷ , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁹ , DS-16B7 ¹⁰ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁸ , DS-32M, DS-32M2, DS-8B2, DS-8B7, ED-1032, ED-12000B ⁸ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹⁵ , ES-4500	4	15 ⁴ , 32 ⁵	223	223, 256	Y ⁶
7	Microsoft Windows 2000: Advanced Server SP2 ^{1, 2} , Server SP2 ^{1, 2} , Server SP3 ^{1, 2}	Emulex: LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ⁷ , 2800 ⁷ , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁹ , DS-16B7 ¹⁰ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁸ , DS-32M, DS-32M2, DS-8B2, DS-8B7, ED-1032, ED-12000B ⁸ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁵ , ES-4500	4	15 ⁴ , 32 ⁵	223	223, 256	Y ⁶
8	Microsoft Windows 2000: Advanced Server SP4 ¹ , Server SP4 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ¹² , Optical Pass-thru Module 02R9080 ^{13, 14}	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁹ , DS-16B7 ¹⁰ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁸ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁸ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹⁵ , ES-4500	4	15 ⁴ , 32 ⁵	223	223, 256	Y ⁶

- EMC recommends that HBAs of different vendors not be used in the same host server.
 - Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
 - The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
 - with 08.41.xx or lower microcode
 - with 08.42.xx or higher microcode
 - "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a CLARiiON port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for NO means this host cannot share an FA/SP port with any different OS/HBA):
 - Access Logix is required to prevent sharing CLARiiON devices between Operating Systems on a single FA port.
 - Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/Fanin of 12:1/1:12 and NetWare using the QLA2200F, which has a Fanout/Fanin of 6:1/1:6. The Fanout/Fanin is restricted to 6:1/1:6.
 - See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information.
 - Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSXFAB-0D.
 - EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
 - EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
 - EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
 - (QLA2200) For IBM xSeries and Netfinity servers only.
 - Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
 - When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"
- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
 - Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Microsoft Windows 2003

Microsoft Windows 2003								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Microsoft Windows 2003 64-Bit DataCenter	Emulex LP982-E; QLogic QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ⁷ , 2800 ⁷ , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁶ , DS-16B7 ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁹ , DS-32M, DS-32M2, DS-8B2, DS-8B7, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁵ , ES-4500	4	15 ² , 32 ³	223	223, 256	Y ⁴

Microsoft Windows 2003								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
2	Microsoft Windows 2003 64-Bit DataCenter	NEC: NT2007A-A001 ¹¹ , NT2010A-A001 ¹⁰	Brocade Silkworm: 12000, 2400 ⁷ , 2800 ⁷ , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁶ , DS-16B7, ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁹ , DS-32M, DS-32M2, DS-8B2, DS-8B7, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁵ , ES-4500	4	15 ² , 32 ³	223	256	Y ⁴
3	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ⁷ , 2800 ⁷ , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁶ , DS-16B7, ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁹ , DS-32M, DS-32M2, DS-8B2, DS-8B7, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁵ , ES-4500	4	15 ² , 32 ³	223	223, 256	Y ⁴
4	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	NEC: NT2007A-A001 ¹¹ , NT2010A-A001 ¹⁰ ; Unisys FCH742313-P64 (LP9802)	Brocade Silkworm: 12000, 2400 ⁷ , 2800 ⁷ , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁶ , DS-16B7, ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁹ , DS-32M, DS-32M2, DS-8B2, DS-8B7, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁵ , ES-4500	4	15 ² , 32 ³	223	256	Y ⁴
5	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ¹² , Optical Pass-thru Module 02R9080 ^{13, 14} ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ⁷ , 2800 ⁷ , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁶ , DS-16B7, ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁹ , DS-32M, DS-32M2, DS-8B2, DS-8B7, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁵ , ES-4500	4	15 ² , 32 ³	223	223, 256	Y ⁴

- EMC recommends that HBAs of different vendors not be used in the same host server.
 - with 08.41.xx or lower microcode
 - with 08.42.xx or higher microcode
 - "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a CLARiiON port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for NO means this host cannot share an FA/SP port with any different OS/HBA):
 - Access Logix is required to prevent sharing CLARiiON devices between Operating Systems on a single FA port.
 - Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/Fanin of 12:1/1:12 and NetWare using the QLA2200F, which has a Fanout/Fanin of 6:1/1:6. The Fanout/Fanin is restricted to 6:1/1:6.
 - See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information.
 - The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
 - EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
 - Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-OD.
 - EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
 - EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
 - This HBA is equivalent to the QLogic QLA2340.
 - This HBA is equivalent to the Emulex LP982.
 - Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
 - When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"
- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
 - Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Microsoft Windows NT

Microsoft Windows NT								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ² , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ⁵ , 2800 ⁵ , 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{5,7} , DS-16B ^{5,6} , DS-16M, DS-16M2, DS-24M2, DS-32B ⁸ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁸ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ⁹ , ES-4500	4	15 ³ , 32 ⁴	223	223, 256	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
3. with 08.41.xx or lower microcode
4. with 08.42.xx or higher microcode
5. Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-OD.
6. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
7. EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
8. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
9. Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Novell Network

Novell Network								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Novell Network 5.00 SP6A ^{1, 23}	IBM: 00N6881 (QLA2200) ¹⁴ , 19K1246(QLA2310) ^{11, 13} , 24P0960(QLA2340) ^{11, 12} ; QLogic QLA2342-E-SP	EMC Connectrix DS-32B ²⁹	4	15 ³ , 32 ⁴	223	128	Y
2	Novell Network 5.10 SP2 ¹	QLogic QLA2200F-EMC ¹⁵ , 16, 17, 18, 19	EMC Connectrix DS-32B ²⁹	4	15 ³ , 32 ⁴	223	128	Y
3	Novell Network 5.10: SP2A ¹ , SP2 ¹	QLogic QLA2202F-EMC	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{2,6} , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁸ , ED-12000B ⁹ , ED-140M, ED-64M ⁸ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²⁴ , ES-4500	4	15 ³ , 32 ⁴	223	128	Y ⁵
4	Novell Network 5.10: SP2A ¹ , SP2 ¹ , SP5 ¹ , SP6	QLogic QLA2200F-EMC	EMC Connectrix: DS-32M, ED-1032 ⁸	4	15 ³ , 32 ⁴	223	128	Y ⁵
5	Novell Network 5.10: SP2A ¹ , SP2 ¹ , SP5 ¹ , SP6	QLogic QLA2200F-EMC ¹⁵ , 16, 17, 18, 19	Brocade Silkworm: 12000, 2400 ^{2, 21} , 2800 ^{2, 21} , 3200 ²⁰ , 3800 ²⁰ , 3900, 6400; EMC Connectrix: DS-16B2 ^{7, 20} , DS-16B ^{2,6, 21} , DS-16M, DS-16M2, DS-24M2, DS-32M2, DS-8B2, DS-8B ^{2, 21} , ED-12000B ⁹ , ED-140M, ED-64M ⁸ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²⁴ , ES-4500	4	15 ³ , 32 ⁴	223	128	Y ⁵
6	Novell Network 5.10: SP2A ¹ , SP5 ¹ , SP6	IBM: 00N6881 (QLA2200) ¹⁴ , 19K1246(QLA2310) ^{11, 13} , 24P0960(QLA2340) ^{11, 12} ; QLogic: QLA2200F-EMC ¹⁵ , 16, 17, 18, 19, QLA2342-E-SP	EMC Connectrix DS-32B ²⁹	4	15 ³ , 32 ⁴	223	128	Y
7	Novell Network 5.10: SP5 ¹ , SP6	Emulex LP9002-E (LP9002L-E); IBM: 19K1246(QLA2310) ^{11, 13} , 24P0960(QLA2340) ^{11, 12} ; QLogic: QLA2202F-EMC, QLA2300F-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{2,6} , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁸ , ED-12000B ⁹ , ED-140M, ED-64M ⁸ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²⁴ , ES-4500	4	15 ³ , 32 ⁴	223	128	Y ⁵
8	Novell Network 5.10: SP5 ¹ , SP6; Novell Network 6.0: SP1 ^{1, 10} , SP2 ^{1, 10} , SP3 ¹⁰ , Novell Network 6.5 ^{10, 22}	QLogic: QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{2,6} , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁸ , ED-12000B ⁹ , ED-140M, ED-64M ⁸ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²⁴ , ES-4500	4	15 ³ , 32 ⁴	223	223, 256	Y ⁵
9	Novell Network 6.0: SP1 ^{1, 10} , SP2 ^{1, 10} , SP3 ¹⁰ , Novell Network 6.5 ^{10, 22}	Emulex LP9002-E (LP9002L-E); IBM: 00N6881 (QLA2200) ¹⁴ , 19K1246(QLA2310) ^{11, 13} , 24P0960(QLA2340) ^{11, 12} ; QLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{2,6} , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁸ , ED-12000B ⁹ , ED-140M, ED-64M ⁸ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²⁴ , ES-4500	4	15 ³ , 32 ⁴	223	128	Y ⁵
10	Novell Network 6.0: SP1 ^{1, 10} , SP2 ^{1, 10} , SP3 ¹⁰ , Novell Network 6.5 ^{10, 22}	IBM: 00N6881 (QLA2200) ^{11, 14} , 19K1246(QLA2310) ^{11, 13} , 24P0960(QLA2340) ^{11, 12} ; QLogic QLA2342-E-SP	EMC Connectrix DS-32B ²⁹	4	15 ³ , 32 ⁴	223	128	Y

Novell Netware								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
11	Novell Netware 6.0: SP1 ^{1, 10} , SP2 ^{1, 10} , SP3 ¹⁰ , Novell Netware 6.5 ^{10, 22}	QLogic: QLA2310F-E-SP, QLA2340-E-SP	EMC Connectrix DS-32B2 ⁹	4	15 ³ , 32 ⁴	223	223, 256	Y
12	Novell Netware: 5.00 SP6A ^{1, 23} , 5.10 SP2A ¹ , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP ^{1, 10} , 6.0 SP2 ^{1, 10} , 6.0 SP3 ¹⁰ , 6.5 ^{10, 22}	Emulex LP9002-E (LP9002L-E), QLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP	EMC Connectrix DS-32B2 ⁹	4	15 ³ , 32 ⁴	223	256	Y

- Maximum number of NWFS volumes that can be mounted is 64.
- Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
- with 08.41.xx or lower microcode
- with 08.42.xx or higher microcode
- "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a CLARiiON port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for NO means this host cannot share an FA/SP port with any different OS/HBA):
 - Access Logix is required to prevent sharing CLARiiON devices between Operating Systems on a single FA port.
 - Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/Fanin of 12:1/1:12 and NetWare using the QLA2200F, which has a Fanout/Fanin of 6:1/1:6. The Fanout/Fanin is restricted to 6:1/1:6.
 - See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- ED-64 and ED-1032 not supported for FC5300.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
- For IBM Netfinity and xSeries Intel servers only.
- This HBA is equivalent to the qLogic QLA2340.
- This HBA is equivalent to the qLogic QLA2310.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Requires QLogic driver v6.04.02 and BIOS 1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Requires QLogic driver v6.04.02 and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Firmware 3.0.2a or later required.
- Firmware v2.5.1b or later required
- Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
- Requires NWPANL.M V.3.07A update from Novell website.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Red Hat Linux

Red Hat Linux								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Red Hat Linux 2.1 Advanced Server v2.4.9-e.25 ¹	Emulex: LP9002-E (LP9002L-E) ^{13, 17, 18, 20, 21} , LP9002DC-E ^{13, 17, 18, 19, 20} , LP9802-E ^{13, 17, 18, 19, 20} , LP9802DC-E ^{13, 17, 18, 20} , LP982-E ^{13, 17, 18, 19, 22}	Brocade Silkworm: 12000, 2400 ⁴ , 2800 ^{3, 4} , 3200 ⁸ , 3800 ⁸ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{8, 9} , DS-16B ^{3, 4, 7} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁰ , DS-32M2, DS-8B2, DS-8B ^{3, 4} , ED-12000B ¹⁰ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15 ⁵ , 32 ⁶	223	128	Y
2	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 11} , v2.4.9-E.12 ^{1, 11} , v2.4.9-E.16 ^{1, 11} , v2.4.9-E.3 ^{1, 2} , v2.4.9-E.9 ^{1, 11} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 11} , v2.4.9-e.16 ^{1, 11}	HPQ Dual-port mezzanine controller card ^{14, 15} ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ⁴ , 2800 ^{3, 4} , 3200 ⁸ , 3800 ⁸ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{8, 9} , DS-16B ^{3, 4, 7} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁰ , DS-32M2, DS-8B2, DS-8B ^{3, 4} , ED-12000B ¹⁰ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15 ⁵ , 32 ⁶	223	128	Y
3	Red Hat Linux 2.1 ES v2.4.9-e.25 ¹	Emulex LP1050DC-E ^{13, 17, 18, 19, 20}	Brocade Silkworm: 12000, 2400 ⁴ , 2800 ^{3, 4} , 3200 ⁸ , 3800 ⁸ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{8, 9} , DS-16B ^{3, 4, 7} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁰ , DS-32M2, DS-8B2, DS-8B ^{3, 4} , ED-12000B ¹⁰ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15 ⁵ , 32 ⁶	223	1238	Y

Red Hat Linux								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
4	Red Hat Linux 2.1 ES v2.4.9-e.25 ¹	Emulex: LP10000-E ^{13, 17, 18, 19, 20} , LP10000DC-E ^{13, 17, 18, 19, 20} , LP1050-E ^{13, 17, 18, 19, 20} , LP9002-E (LP9002L-E) ^{13, 17, 18, 20, 21} , LP9002DC-E ^{13, 17, 18, 19, 20} , LP9802-E ^{13, 17, 18, 19, 20} , LP9802DC-E ^{13, 17, 18, 20} , LP982-E ^{13, 17, 18, 19, 22}	Brocade Silkworm: 12000, 2400 ⁴ , 2800 ^{3, 4} , 3200 ⁸ , 3800 ⁸ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{28, 9} , DS-16B ^{3, 4, 7} , DS-16M, DS-16M2, DS-24M2, DS-32B ²¹⁰ , DS-32M2, DS-8B2, DS-8B ^{3, 4} , ED-12000B ¹⁰ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15 ⁵ , 32 ⁶	223	128	Y
5	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ^{1, 12} , ES v2.4.9-e.24 ^{1, 12}	Emulex: LP9002-E (LP9002L-E) ^{13, 17, 18, 20, 21} , LP9002DC-E ^{13, 17, 18, 19, 20} , LP9802DC-E ^{13, 17, 18, 20} , LP982-E ^{13, 17, 18, 19, 22} ; HPQ Dual-port mezzanine controller card ^{14, 15} ; QLogic: QLA2200F-EMC ^{13, 14, 16} , QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{14, 15}	Brocade Silkworm: 12000, 2400 ⁴ , 2800 ^{3, 4} , 3200 ⁸ , 3800 ⁸ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{28, 9} , DS-16B ^{3, 4, 7} , DS-16M, DS-16M2, DS-24M2, DS-32B ²¹⁰ , DS-32M2, DS-8B2, DS-8B ^{3, 4} , ED-12000B ¹⁰ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15 ⁵ , 32 ⁶	223	128	Y
6	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ¹ , ES v2.4.9-e.24 ¹	Emulex LP9802-E ^{13, 17, 18, 19, 20}	Brocade Silkworm: 12000, 2400 ⁴ , 2800 ^{3, 4} , 3200 ⁸ , 3800 ⁸ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{28, 9} , DS-16B ^{3, 4, 7} , DS-16M, DS-16M2, DS-24M2, DS-32B ²¹⁰ , DS-32M2, DS-8B2, DS-8B ^{3, 4} , ED-12000B ¹⁰ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15 ⁵ , 32 ⁶	223	128	Y
7	Red Hat Linux 2.1: Advanced Server v2.4.9-e.25 ^{1, 12} , ES v2.4.9-e.25 ^{1, 12}	HPQ Dual-port mezzanine controller card ^{14, 15} ; QLogic: QLA2200F-EMC ^{13, 14, 16} , QLA2310F-E-SP ^{13, 14, 15} , QLA2340-E-SP ^{14, 15}	Brocade Silkworm: 12000, 2400 ⁴ , 2800 ^{3, 4} , 3200 ⁸ , 3800 ⁸ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{28, 9} , DS-16B ^{3, 4, 7} , DS-16M, DS-16M2, DS-24M2, DS-32B ²¹⁰ , DS-32M2, DS-8B2, DS-8B ^{3, 4} , ED-12000B ¹⁰ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15 ⁵ , 32 ⁶	223	128	Y
8	Red Hat Linux 7.3 updated to v2.4.20-20.7 ¹	Emulex: LP10000DC-E, LP9002DC-E, LP9802-E; HPQ Dual-port mezzanine controller card ^{14, 15} ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ⁴ , 2800 ^{3, 4} , 3200 ⁸ , 3800 ⁸ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{28, 9} , DS-16B ^{3, 4, 7} , DS-16M, DS-16M2, DS-24M2, DS-32B ²¹⁰ , DS-32M2, DS-8B ^{3, 4} , ED-12000B ¹⁰ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15 ⁵ , 32 ⁶	223	128	Y
9	Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹	Emulex: LP9002-E (LP9002L-E) ^{13, 17, 18, 20, 21} , LP9002DC-E ^{13, 17, 18, 19, 20} , LP9802-E ^{13, 17, 18, 19, 20} , LP9802DC-E ^{13, 17, 18, 19, 20}	Brocade Silkworm: 12000, 2400 ⁴ , 2800 ^{3, 4} , 3200 ⁸ , 3800 ⁸ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{28, 9} , DS-16B ^{3, 4, 7} , DS-16M, DS-16M2, DS-24M2, DS-32B ²¹⁰ , DS-32M2, DS-8B2, DS-8B ^{3, 4} , ED-12000B ¹⁰ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15 ⁵ , 32 ⁶	223	128	Y
10	Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹	QLogic QLA2200F-EMC	EMC Connectrix: DS-32M, ED-1032 ²⁵	4	15 ⁵ , 32 ⁶	223	128	Y ²⁴
11	Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹	QLogic QLA2200F-EMC ^{13, 14, 16}	Brocade Silkworm 3900; EMC Connectrix DS-32B ²¹⁰	4	15 ⁵ , 32 ⁶	223	128	Y

Red Hat Linux								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
12	Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹	QLogic QLA2200F-EMC ^{13, 14, 16}	Brocade Silkworm: 12000, 2400 ^{3, 4} , 2800 ^{3, 4} , 3200 ^{3, 4} , 3800 ⁸ , 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2, 9} , DS-16B ^{3, 4, 7} , DS-16M, DS-16M2, DS-24M2, DS-32M2, DS-8B ^{2, 4} , ED-12000B ¹⁰ , ED-140M, ED-64M ^{2, 9} ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ^{2, 3} , ES-4500	4	15 ⁵ , 32 ⁶	223	128	Y ²⁴

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supported with QLogic driver v6.05.00.
- Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSXFAB-0D.
- Firmware v2.5.1b or later required
- with 08.41.xx or lower microcode
- with 08.42.xx or higher microcode
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- Firmware 3.0.2a or later required.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Single HBA zoning is required regardless of the switch being utilized.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)
- "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a CLARiiON port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for NO means this host cannot share an FA/SP port with any different OS/HBA):
 - Access Logix is required to prevent sharing CLARiiON devices between Operating Systems on a single FA port.
 - Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/Fanin of 12:1/1:12 and NetWare using the QLA2200F, which has a Fanout/Fanin of 6:1/1:6. The Fanout/Fanin is restricted to 6:1/1:6.
 - See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information.
- ED-64 and ED-1032 not supported for FC5300.

SGI IRIX

SGI IRIX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	SGI IRIX: 6.5.11, 6.5.12	SGI PCI-FC-1P-OPT-A	Brocade Silkworm: 12000 ¹ , 3200 ¹ , 3800 ¹ , 6400 ¹ ; EMC Connectrix: DS-16B ^{2, 8} , DS-16M ^{2, 6} , DS-24M ^{2, 6} , DS-32M ^{2, 6} , ED-12000B ^{1, 7} , ED-140M ¹ , ED-64M ^{1, 6} ; McDATA: ED-6064 ^{1, 6} , ED-6140 ¹ , ES-3216 ^{1, 6} , ES-3232 ^{1, 6} , ES-4500 ¹	4	15 ³ , 32 ²	223	256 ⁵	Y ⁴
2	SGI IRIX: 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B	Brocade Silkworm: 12000 ¹ , 3200 ¹ , 3800 ¹ , 6400 ¹ ; EMC Connectrix: DS-16B ^{2, 8} , DS-16M ^{2, 6} , DS-24M ^{2, 6} , DS-32M ^{2, 6} , ED-12000B ^{1, 7} , ED-140M ¹ , ED-64M ^{1, 6} ; McDATA: ED-6064 ^{1, 6} , ED-6140 ¹ , ES-3216 ^{1, 6} , ES-3232 ^{1, 6} , ES-4500 ¹	4	15 ³ , 32 ²	223	256 ⁵	Y ⁴

- Refer to the Switched Fabric Topology Parameters Table (formerly Table 71 on Page 202 of the ESM) for single-vendor and mixed vendor switched fabrics and supported switch firmware.
- with 08.42.xx or higher microcode
- with 08.41.xx or lower microcode
- "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a CLARiiON port with any other OS/HBA designated with a "Y" provided all of the following requirements are met (Note: "N" for NO means this host cannot share an FA/SP port with any different OS/HBA):
 - Access Logix is required to prevent sharing CLARiiON devices between Operating Systems on a single FA port.
 - Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/Fanin of 12:1/1:12 and NetWare using the QLA2200F, which has a Fanout/Fanin of 6:1/1:6. The Fanout/Fanin is restricted to 6:1/1:6.
 - See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information.
- This is the maximum number of LUNs supported by IRIX on a single CLARiiON, independent of the number of ports on the array.
- FC4700 only with Access Logix 8.42.5x or higher.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

SuSE Linux

SuSE Linux								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1,2}	Emulex LP1050DC-E ^{3, 13, 15, 16, 17, 22}	Brocade Silkworm: 12000, 2400 ⁹ , 2800 ^{8, 9} , 3200 ⁷ , 3800 ⁷ , 3900, 6400; EMC Connectrix: DS-16B2 ^{7, 11} , DS-16B ^{8, 9, 12} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁰ , DS-32M2, DS-8B2, DS-8B ^{8, 9} , ED-12000B ¹⁰ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15 ⁵ , 32 ⁶	223	1238	Y
2	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1,2}	Emulex: LP10000-E ^{3, 13, 15, 16, 17} , LP10000DC-E ^{3, 13, 15, 16, 17} , LP1050-E ^{3, 13, 15, 16, 17, 22} , LP9002-E (LP9002L-E) ^{3, 13, 15, 16, 17, 20} , LP9002DC-E ^{3, 13, 15, 16, 17, 18, 19} , LP9802-E ^{3, 13, 15, 16, 17} , LP9802DC-E ^{3, 13, 15, 16, 17, 18, 19} , LP982-E ^{13, 15, 16, 17, 21} ; HPQ Dual-port mezzanine controller card ^{9, 4} ; QLogic: QLA2200F-EMC ^{3, 13, 14} , QLA2310F-E-SP ^{3, 4, 13} , QLA2340-E-SP ^{3, 4}	Brocade Silkworm: 12000, 2400 ⁹ , 2800 ^{8, 9} , 3200 ⁷ , 3800 ⁷ , 3900, 6400; EMC Connectrix: DS-16B2 ^{7, 11} , DS-16B ^{8, 9, 12} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ¹⁰ , DS-32M2, DS-8B2, DS-8B ^{8, 9} , ED-12000B ¹⁰ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15 ⁵ , 32 ⁶	223	128	Y

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from [ftp://ftp.emc.com/pub/elab/linux](http://ftp.emc.com/pub/elab/linux).
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- with 08.41.xx or lower microcode
- with 08.42.xx or higher microcode
- Firmware 3.0.2a or later required.
- Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
- Firmware v2.5.1b or later required
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Single HBA zoning is required regardless of the switch being utilized.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Use the boot option "acpi=oldboot" in SuSE SLES8 SMP configurations with the LP9802DC-E and LP9002DC-E adapters
- Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Sun Solaris

Sun Solaris								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Sun Solaris 2.6	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002S-E; JNI: FC64-1063-DG, FC64-1063-N-DG; QLogic: QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ⁹ , 2800 ⁵ , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{5, 6} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁸ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁵ , ED-1032 ⁹ , ED-12000B ⁸ , ED-140M, ED-64M ⁹ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	15 ³ , 32 ²	223	256	Y ⁴
2	Sun Solaris 7	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002S-E, LP9802-E; JNI: FC64-1063-DG, FC64-1063-N-DG; QLogic: QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ⁹ , 2800 ⁵ , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{5, 6} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁸ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁵ , ED-1032 ⁹ , ED-12000B ⁸ , ED-140M, ED-64M ⁹ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	15 ³ , 32 ²	223	256	Y ⁴
3	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; QLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ⁹ , 2800 ⁵ , 3200, 3800, 3900, 6400; Cisco MDS: 9216 ¹⁰ , 9509 ¹⁰ ; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{5, 6} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁸ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁵ , ED-1032 ⁹ , ED-12000B ⁸ , ED-140M, ED-64M ⁹ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	15 ³ , 32 ²	223	256	Y ⁴
4	Sun Solaris 8	JNI: FC64-1063-DG, FC64-1063-N-DG	Brocade Silkworm: 12000, 2400 ⁹ , 2800 ⁵ , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{5, 6} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁸ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁵ , ED-1032 ⁹ , ED-12000B ⁸ , ED-140M, ED-64M ⁹ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	15 ³ , 32 ²	223	256	Y ⁴

Sun Solaris								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
5	Sun Solaris 9	Emulex: LP10000-E, LP10000DC-E, LP9002C-E, LP9002DC-E, LP9802-E; QLLogic QCP2202F-E-SP	Brocade Silkworm: 12000, 2400 ⁵ , 2800 ⁵ , 3200, 3800, 3900, 6400; Cisco MDS: 9216 ¹⁰ , 9509 ¹⁰ ; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{5, 6} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁹ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁵ , ED-1032 ⁹ , ED-12000B ⁸ , ED-140M, ED-64M ⁹ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	15 ³ , 32 ²	223	256	Y ⁴

- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- with 08.42.xx or higher microcode
- with 08.41.xx or lower microcode
- "Port Sharing" allows any OS/HBA designated with a "Y" (for Yes) to safely share a CLARiiON port with any other OS/HBA designated with a "N" provided all of the following requirements are met (Note: "N" for NO means this host cannot share an FA/SP port with any different OS/HBA):
 - Access Logix is required to prevent sharing CLARiiON devices between Operating Systems on a single FA port.
 - Fanout/Fanin is restricted to the lowest Host/HBA support as called out in this table. Example: Windows 2000 using the QLA2200F, which has a Fanout/Fanin of 12:1/1:12 and NetWare using the QLA2200F, which has a Fanout/Fanin of 6:1/1:6. The Fanout/Fanin is restricted to 6:1/1:6.
 - See appropriate host matrices for approved drivers, BIOS, firmware, boot and cluster information.
- Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- ED-64 and ED-1032 not supported for FC5300.
- No boot support at this time.

iSCSI to FC Routing

No.	Operating System	Network Interface Card	Driver	Network Configuration	Bridge	Firmware Revision	Comments
1	Microsoft Windows 2000: Advanced Server SP4 ⁵ , Server SP4 ⁵ ; Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁵ , Standard Edition (Server) ⁵	Generic NIC 10/100, Generic NIC GE	Microsoft 1.01 ¹ , 2, 3, 4	LAN Only ^{6, 7}	Nishan IPS 3300, Nishan IPS 4300	4.1	See ^{8, 9, 10}

- Booting over iSCSI is not supported.
- Clusters are not supported.
- Microsoft Dynamic Disks are not supported.
- The maximum number of iSCSI LUNs supported per host system is 128.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Layer 2 or single subnet TCP/IP LAN
- Requires a dedicated network for iSCSI storage only. The network should be design to have no packet loss or packet duplication.
- This configuration requires completion of a Pre-Sales Questionnaire (PSQ).
- PowerPath 3.0.5 is supported with different subnets for each path.
- A maximum of 12:1 fan-in is supported.

Application Software DG DG/UX

DG DG/UX				
No.	Operating System	Host Bus Adapter	Application Software	Comments
1	DG DG/UX R4.20MU07 ^{2, 3, 4}	Emulex: LP8000-EMC ⁷ , LP8000-F1 ^{5, 6}	MirrorView 1.25.01; Navisphere: Agent/CLI 5.1.0, Analyzer 6.2.0, Integrator 6.9, Manager, Event Monitor 6.2.1 ⁸	See ¹

- All installations currently require an RPQ with diagrams and revisions noted. Support for Core Array software is frozen at v8.42.10/60 for DG/UX systems.
- The release notice for DG/UX (included with the software release at path: "/usr/release/dgux*.m) lists supported platforms.
- FC4700 is only supported on DG/UX 4.20 MU07.
 - Maximum of 2 fabrics, each with a maximum of 4 switches.
 - Maximum of 4 FC4700s per fabric.
 - Maximum of 16 HBAs per fabric.
 - Maximum of 32 HBAs per FC4700 SP.
 - Maximum of 6 DG/UX servers per FC4700.
 - Maximum of 4 HBAs per AV3750 server (2 per fabric).
 - Maximum of 4 HBAs per NUMA block (2 per fabric in non-clustered environments).
 - FA4500 may be mixed within the same fabric with FC4700 running Access Logix, but must be separately zoned.
- Support for core software is frozen at v8.42.10/60 for DG/UX systems.
- DG/UX automatically loads the firmware and BIOS onto the Emulex HBA during boot-up as needed.
- Only the Brocade FC switch connection is supported. Connectrix FC switch is not supported.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
- Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.

Fujitsu Technology Solutions Solaris

Fujitsu Technology Solutions Solaris			
No.	Operating System	Host Bus Adapter	Application Software
1	Fujitsu Technology Solutions Solaris: 2.6, 7, 8, 9	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E)	PowerPath: 3.0.3, 3.0.4, 4.0.3 ^{2, 3}

- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- ATF/CDE and PowerPath cannot co-exist in the same server.
- Powerpath supported on FC4500, FC4700, CX600, and CX400. CLARiiON and Symmetrix can co-exist in the SAN with the same server.

HPQ HP-UX

HPQ HP-UX				
No.	Operating System	Host Bus Adapter	Application Software	Comments
1	HPQ HP-UX: 11.0 ² , 11i v1.0 (HP-UX 11.11) ²	HPQ: A3404A, A3591B, A3740A, A5158A, A6684A, A6685A, A6795A ⁵	AccessLogix 08.50.5x ¹⁵ ; MirrorView 1.8 ⁶ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁷ , Manager, Event Monitor 6.5 ⁸ ; SAN Copy 1.1 ⁹ , 10, 11, 12, SnapView 2.2 ⁶ , 13, admsnap 2.2 ⁶ , 13, 14	
2	HPQ HP-UX: 11.0 ² , 11i v1.0 (HP-UX 11.11) ²	HPQ: A3404A, A3591B, A3740A, A5158A, A6684A, A6685A, A6795A ⁵	PowerPath 3.0.3 b 003 ^{3, 4}	See ¹

1. CLARiiON and Symmetrix can coexist in the SAN with the same server.
2. For HP-UX systems only:LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
3. Supported with HP-UX 11.0, 11i only
4. Powerpath supported on FC4500, FC4700, CX600, and CX400.
5. As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)

L2000 (product number A5191A)

N4000 Revision A (product number A3639A)

N4000 Revision B (product number A3639B)

6. For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
7. Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
8. Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed.The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
9. SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, FC5300, Symmetrix 8000 series, Symmetrix DMX Series, Symmetrix 3x30, Symmetrix 3x30, and Symmetrix 3700 arrays.
10. Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
11. SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
12. SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FAST200 with Firmware level 5.30.09.00, FAST700 with Firmware level 5.21.01.02, and FAST900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.
13. A Snapshot must not be in a clustered Storage Group.
14. Admsnap is not qualified with VERITAS Volume Manager
15. AccessLogix 6.32.18 for FC4500; 6.24.08 for FC5300.

HPQ Tru64 UNIX

HPQ Tru64 UNIX			
No.	Operating System	Host Bus Adapter	Application Software
1	HPQ Tru64 UNIX: V5.0A, V5.1A ³ , V5.1B ¹ , V5.1 ⁴	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	AccessLogix 08.50.5x ¹² ; MirrorView 1.8 ² ; Navisphere: Analyzer 6.5, Integrator 6.5 ⁵ , Manager, Event Monitor 6.5 ⁶ ; SAN Copy 1.1 ⁷ , 8, 9, 10, SnapView 2.2 ² , 11
2	HPQ Tru64 UNIX: V5.1A ³ , V5.1B ¹ , V5.1 ⁴	HPQ: FCA2354 (LP9002), KGPSA-DA (261329-B21)	AccessLogix 08.50.5x ¹² ; MirrorView 1.8 ² ; Navisphere: Analyzer 6.5, Integrator 6.5 ⁵ , Manager, Event Monitor 6.5 ⁶ ; SAN Copy 1.1 ⁷ , 8, 9, 10, SnapView 2.2 ² , 11

1. Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).
2. For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
3. Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).
4. Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).
5. Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
6. Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed.The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
7. Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
8. SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
9. SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, and FC5300.
10. SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FAST200 with Firmware level 5.30.09.00, FAST700 with Firmware level 5.21.01.02, and FAST900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.
11. A Snapshot must not be in a clustered Storage Group.
12. AccessLogix 6.32.18 for FC4500; 6.24.08 for FC5300.

IBM AIX

IBM AIX			
No.	Operating System	Host Bus Adapter	Application Software
1	IBM AIX 4.3.3 ⁶	IBM: 6227, 6228	AccessLogix 08.50.5x ¹⁷ ; MirrorView 1.8 ⁸ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁹ , Manager, Event Monitor 6.5 ¹⁰ ; PowerPath 3.0.4 ² , 4, 5; SAN Copy 1.1 ¹¹ , 12, 13, 14, SnapView 2.2 ⁸ , 15, admsnap 2.2 ⁸ , 15, 16
2	IBM AIX: 4.3.3, 5.1	Emulex: LP8000-EMC ¹ , LP9002-E, LP9002L-E, LP9002L-F2	ATF/CDE 4.0.4 ² ; MirrorView 1.8 ⁸ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁹ , Manager, Event Monitor 6.5 ¹⁰ ; SAN Copy 1.1 ¹¹ , 12, 13, 14, SnapView 2.2 ⁸ , 15, admsnap 2.2 ⁸ , 15, 16

IBM AIX			
No.	Operating System	Host Bus Adapter	Application Software
3	IBM AIX: 5.1 ⁷ , 5.2 ³	IBM: 6227, 6228, 6239	AccessLogix 08.50.5x ¹⁷ ; MirrorView 1.8 ⁸ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁹ , Manager, Event Monitor 6.5 ¹⁰ ; PowerPath 3.0.4 ^{2, 4, 5} ; SAN Copy 1.11¹, 12, 13, 14; SnapView 2.2 ^{8, 15} ; admsnap 2.2 ^{8, 15, 16}

- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- ATF/CDE and PowerPath cannot co-exist in the same server.
- Requires CLArrayS3.5.2.0.7
- PowerPath does not support FC4500, FC5300
- CLARiiON and Symmetrix can coexist in the SAN with the same server.
- Requires CLArrayS3.4.3.0.13
- Requires CLArrayS3.5.1.0.10
- For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
- Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
- Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, FC5300, Symmetrix 8000 series, Symmetrix DMX Series, Symmetrix 3x30, and Symmetrix 3700 arrays.
- Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
- SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FAStT200 with Firmware level 5.30.09.00, FAStT700 with Firmware level 5.21.01.02, and FAStT900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.**
- A Snapshot must not be in a clustered Storage Group.
- Admsnap is not qualified with VERITAS Volume Manager
- AccessLogix 6.32.18 for FC4500; 6.24.08 for FC5300.

Microsoft Windows 2000

Microsoft Windows 2000				
No.	Operating System	Host Bus Adapter	Application Software	Comments
1	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2}	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM 24P0960(QLA2340) ⁶ ; NEC: N8103-200, N8190-105 ²² , N8503-200, N8803-031 (QLA2310F); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	ATF/CDE 2.1.7 ³ ; AccessLogix 08.50.5x ¹⁸ ; MirrorView 1.8 ⁸ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁹ , Manager, Event Monitor 6.5 ¹⁰ ; PowerPath: 3.0.2 ^{3, 4} , 3.0.5 ^{3, 4, 7} ; SAN Copy 1.11¹, 12, 13, 14, 15; SnapView 2.2 ^{8, 16} ; admsnap 2.2 ^{8, 16, 17}	See ¹
2	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ²	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM 24P0960(QLA2340) ⁶ ; NEC: N8103-200, N8190-105 ²² , N8503-200, N8803-031 (QLA2310F); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	ATF/CDE 2.1.7 ³ ; AccessLogix 08.50.5x ¹⁸ ; MirrorView 1.8 ⁸ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁹ , Manager, Event Monitor 6.5 ¹⁰ ; PowerPath: 3.0.2 ^{3, 4} , 3.0.5 ^{3, 4, 7} ; SAN Copy 1.11¹, 12, 13, 14, 15; SnapView 2.2 ^{8, 16} ; admsnap 2.2 ^{8, 16, 17}	See ¹
3	Microsoft Windows 2000: Advanced Server SP4 ² , Server SP4 ²	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM: 24P0960(QLA2340) ⁶ , HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ²¹ , HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{19, 20} ; NEC: N8103-200, N8190-105 ²² , N8503-200, N8803-031 (QLA2310F); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	ATF/CDE 2.1.7 ³ ; AccessLogix 08.50.5x ¹⁸ ; MirrorView 1.8 ⁸ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁹ , Manager, Event Monitor 6.5 ¹⁰ ; PowerPath: 3.0.2 ^{3, 4} , 3.0.5 ^{3, 4, 7} ; SAN Copy 1.11¹, 12, 13, 14, 15; SnapView 2.2 ^{8, 16} ; admsnap 2.2 ^{8, 16, 17}	See ¹

- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- ATF/CDE and PowerPath cannot co-exist in the same server.
- Powerpath supported on FC4500, FC4700, CX600, CX400, and CX200. PowerPath Base supported on FC4500, CX200 only. CLARiiON and Symmetrix can co-exist in the SAN with the same server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- This HBA is equivalent to the QLogic QLA2340.
- Stratus ftServer OS release 2.1 or greater required for Stratus ftServers.
- For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
- Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
- Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, FC5300, Symmetrix 8000 series, Symmetrix DMX Series, Symmetrix 3832, Symmetrix 3x30, and Symmetrix 3700 arrays.
- Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
- SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
- Requires admHost software. See SAN Copy release notice for appropriate revision information.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FAStT200 with Firmware level 5.30.09.00, FAStT700 with Firmware level**

- 5.21.01.02, and FAST900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.
16. A Snapshot must not be in a clustered Storage Group.
 17. Admsnap is not qualified with VERITAS Volume Manager
 18. AccessLogix 6.32.18 for FC4500; 6.24.08 for FC5300.
 19. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

20. Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
21. Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
22. EMC does not support the Emulex equivalent of N8190-105. Check with NEC on where to download the latest supported firmware and boot BIOS for this adapter.

Microsoft Windows 2003

Microsoft Windows 2003			
No.	Operating System	Host Bus Adapter	Application Software
1	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ^{1, 2} , Standard Edition (Server) ^{1, 2}	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ²² , Optical Pass-thru Module 02R9080 ^{20, 21} ; NEC: N8190-105 ²³ , N8803-031 (QLA2310F); QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	AccessLogix 08.50.5x ¹⁶ ; MirrorView 1.8 ⁶ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁷ , Manager, Event Monitor 6.5 ⁸ ; PowerPath 3.0.5 ^{3, 4} ; SAN Copy 1.1 ^{9, 10, 11, 12, 13} ; SnapView 2.2 ^{6, 14} ; admsnap 2.2 ^{6, 14, 15}
2	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ^{1, 2} , Standard Edition (Server) ^{1, 2}	IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ²² , Optical Pass-thru Module 02R9080 ^{20, 21} ; NEC: N8190-105 ²³ , N8803-031 (QLA2310F); QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	VSS Hardware Provider 1.0 ^{17, 18, 19}

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. For Windows 2003 STORPort drivers, support is limited to the following configurations: 1 HBA with 1 path to 1 SP; 2 HBAs, one with a single path to SPA and the other with a single path to SPB. Refer to HBA guides for expected device behavior. [NOTE: Powerpath not currently supported with STORPort driver.]
3. Powerpath supported on FC4500, FC4700, CX600, CX400, and CX200.
PowerPath Base supported on FC4500, CX200 only.
CLARiiON and Symmetrix can co-exist in the SAN with the same server.
4. PowerPath is currently supported only with QLogic SCSI Port miniport drivers and the Emulex full port driver.
5. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
6. For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
7. Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
8. Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
9. SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, FC5300, Symmetrix 8000 series, Symmetrix DMX Series, Symmetrix 3832, Symmetrix 3x30, and Symmetrix 3700 arrays.
10. Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
11. SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
12. Requires admHost software. See SAN Copy release notice for appropriate revision information.
13. SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FAST200 with Firmware level 5.30.09.00, FAST700 with Firmware level 5.21.01.02, and FAST900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.
14. A Snapshot must not be in a clustered Storage Group.
15. Admsnap is not qualified with VERITAS Volume Manager
16. AccessLogix 6.32.18 for FC4500; 6.24.08 for FC5300.
17. Requires Navisphere Agent/CLI 6.5.
18. VSS Hardware Provider is currently supported only with QLogic SCSI Port miniport drivers.
19. Shipped with SnapView on adm Snap media.
20. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

21. Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
22. Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
23. EMC does not support the Emulex equivalent of N8190-105. Check with NEC on where to download the latest supported firmware and boot BIOS for this adapter.

Microsoft Windows NT

Microsoft Windows NT			
No.	Operating System	Host Bus Adapter	Application Software
1	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP9802); IBM 24P0960(QLA2340) ⁴ ; QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	ATF/CDE 2.0.10 ² ; AccessLogix 08.50.5x ¹⁶ ; MirrorView 1.8 ⁶ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁷ , Manager, Event Monitor 6.5 ⁸ ; PowerPath: 3.0.2 ⁵ , 3.0.5 ⁵ ; SAN Copy 1.1 ^{9, 10, 11, 12, 13} ; SnapView 2.2 ^{6, 14} ; admsnap 2.2 ^{6, 14, 15}

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. ATF/CDE and PowerPath cannot co-exist in the same server.
3. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
4. This HBA is equivalent to the qLogic QLA2340.
5. Powerpath supported on FC4500, FC5300, FC4700, CX600, CX400, and CX200.

CLARiiON and Symmetrix can co-exist in the SAN with the same server.
6. For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
7. Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
8. Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
9. SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, FC5300, Symmetrix 8000 series, Symmetrix DMX Series, Symmetrix 3832, Symmetrix 3x30, and Symmetrix 3700 arrays.
10. Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
11. SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
12. Requires admHost software. See SAN Copy release notice for appropriate revision information.
- 13.

SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FAStT200 with Firmware level 5.30.09.00, FAStT700 with Firmware level 5.21.01.02, and FAStT900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.

- 14. A Snapshot must not be in a clustered Storage Group.
- 15. Admsnap is not qualified with VERITAS Volume Manager
- 16. AccessLogix 6.32.18 for FC4500; 6.24.08 for FC5300.

Novell Network

Novell Network			
No.	Operating System	Host Bus Adapter	Application Software
1	Novell Network 5.10: SP5 ¹ , SP6; Novell Network 6.0: SP1 ^{1,3} , SP2 ^{1,3} , SP3 ³ ; Novell Network 6.5 ^{3, 15}	QLogic QLA2340-E-SP	AccessLogix 08.50.5x ¹⁴ ; MirrorView 1.8 ⁵ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁶ , Manager, Event Monitor 6.5 ⁷ ; PowerPath 3.0 ¹⁴ ; SAN Copy 1, ^{8, 9, 10, 11} ; SnapView 2, ^{25, 12} ; admsnap 2, ^{25, 12, 13}
2	Novell Network: 5.10 SP5 ¹ , 6.0 SP2 ^{1, 3}	QLogic: QLA2200F-EMC, QLA2310F-E-SP	ATF/CDE 1.03 ² ; AccessLogix 08.50.5x ¹⁴ ; MirrorView 1.8 ⁵ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁶ , Manager, Event Monitor 6.5 ⁷ ; PowerPath 3.0 ¹⁴ ; SAN Copy 1, ^{8, 9, 10, 11} ; SnapView 2, ^{25, 12} ; admsnap 2, ^{25, 12, 13}
3	Novell Network: 5.10 SP6, 6.0 SP1 ^{1, 3} , 6.0 SP3 ³ , 6.5 ^{3, 15}	QLogic: QLA2200F-EMC, QLA2310F-E-SP	AccessLogix 08.50.5x ¹⁴ ; MirrorView 1.8 ⁵ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁶ , Manager, Event Monitor 6.5 ⁷ ; PowerPath 3.0 ¹⁴ ; SAN Copy 1, ^{8, 9, 10, 11} ; SnapView 2, ^{25, 12} ; admsnap 2, ^{25, 12, 13}

- 1. Maximum number of NWFS volumes that can be mounted is 64.
- 2. ATF/CDE and PowerPath cannot co-exist in the same server.
- 3. NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- 4. Powerpath supported on FC4500, FC4700, CX600, CX400, and CX200.
PowerPath Base supported on FC4500, CX200 only.
CLARiiON and Symmetrix can co-exist in the SAN with the same server.
- 5. For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
- 6. Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
- 7. Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
- 8. Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
- 9. SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
- 10. SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, and FC5300.
- 11. SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FAStT200 with Firmware level 5.30.09.00, FAStT700 with Firmware level 5.21.01.02, and FAStT900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.
- 12. A Snapshot must not be in a clustered Storage Group.
- 13. Admsnap is not qualified with VERITAS Volume Manager
- 14. AccessLogix 6.32.18 for FC4500; 6.24.08 for FC5300.
- 15. Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.

Red Hat Linux

Red Hat Linux			
No.	Operating System	Host Bus Adapter	Application Software
1	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.3 ^{2, 16} , v2.4.9-E.g ^{1, 2, 14} ; Red Hat Linux 2.1 ES v2.4.9-e.12 ^{1, 2}	QLogic QLA2200F-EMC	AccessLogix 08.50.5x ²⁵ ; MirrorView 1.8 ¹⁵ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager, Event Monitor 6.5 ¹⁸ ; SAN Copy 1, ^{19, 20, 21, 22} ; SnapView 2, ^{215, 23} ; admsnap 2, ^{215, 23, 24}
2	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.3 ^{2, 16} , v2.4.9-E.g ^{1, 2, 14} ; Red Hat Linux 2.1 ES v2.4.9-e.12 ^{1, 2}	QLogic: QLA2310F-E-SP, QLA2340-E-SP	AccessLogix 08.50.5x ²⁵ ; MirrorView 1.8 ¹⁵ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager, Event Monitor 6.5 ¹⁸ ; SnapView 2, ^{215, 23} ; admsnap 2, ^{215, 23, 24}
3	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-e.24 ^{2, 12} , v2.4.9-e.25 ^{2, 12} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.16 ^{1, 2} , v2.4.9-e.24 ^{2, 12} , v2.4.9-e.25 ^{2, 12} , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ¹¹	PowerPath 3.0.3 b065 ^{3, 4}
4	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 12} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 12} , v2.4.9-e.25 ²	Emulex: LP9002DC-E ^{5, 7, 10, 11, 13} , LP9802DC-E ^{7, 10, 11} , LP982-E ^{5, 7, 10, 13, 26}	AccessLogix 08.50.5x ²⁵ ; MirrorView 1.8 ¹⁵ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager, Event Monitor 6.5 ¹⁸ ; PowerPath 3.0.3 b065 ^{3, 4} ; SAN Copy 1, ^{19, 20, 21, 22} ; SnapView 2, ^{215, 23} ; admsnap 2, ^{215, 23, 24}

Red Hat Linux			
No.	Operating System	Host Bus Adapter	Application Software
5	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ^{2, 12} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ^{2, 12}	QLogic QLA2200F-EMC ^{7, 8, 9}	PowerPath 3.0.3 b065 ^{3, 4}
6	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ^{2, 12} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ^{2, 12} , v2.4.9-e.27	QLogic: QLA2310F-E-SP ^{6, 7, 8} , QLA2340-E-SP ^{6, 8} , QLA2342-E-SP ^{5, 6, 7, 8}	PowerPath 3.0.3 b065 ^{3, 4}
7	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ²	Emulex LP9802-E ^{7, 10, 11, 13}	AccessLogix 08.50.5x ²⁵ , MirrorView 1.8 ¹⁵ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ Manager, Event Monitor 6.5 ¹⁸ ; PowerPath 3.0.3 b065 ^{3, 4} ; SAN Copy 1.1 ^{19, 20, 21, 22} ; SnapView 2.2 ^{15, 23} ; admsnap 2.2 ^{15, 23, 24}
8	Red Hat Linux 2.1 ES v2.4.9-e.25 ²	Emulex: LP10000-E ^{5, 7, 10, 11, 13} , LP10000DC-E ^{5, 7, 10, 11, 13} , LP1050-E ^{5, 7, 10, 11, 13} , LP1050DC-E ^{5, 7, 10, 11, 13}	AccessLogix 08.50.5x ²⁵ , MirrorView 1.8 ¹⁵ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ Manager, Event Monitor 6.5 ¹⁸ ; PowerPath 3.0.3 b065 ^{3, 4} ; SAN Copy 1.1 ^{19, 20, 21, 22} ; SnapView 2.2 ^{15, 23} ; admsnap 2.2 ^{15, 23, 24}
9	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F-EMC	AccessLogix 08.50.5x ²⁵ , MirrorView 1.8 ¹⁵ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ Manager, Event Monitor 6.5 ¹⁸ ; PowerPath 3.0.3 b065 ^{3, 4} ; SAN Copy 1.1 ^{19, 20, 21, 22} ; SnapView 2.2 ^{15, 23} ; admsnap 2.2 ^{15, 23, 24}
10	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2342-E-SP	PowerPath 3.0.3 b065 ^{3, 4}
11	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic: QLA2310F-E-SP, QLA2340-E-SP	AccessLogix 08.50.5x ²⁵ , MirrorView 1.8 ¹⁵ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ Manager, Event Monitor 6.5 ¹⁸ ; PowerPath 3.0.3 b065 ^{3, 4} ; SnapView 2.2 ^{15, 23} ; admsnap 2.2 ^{15, 23, 24}
12	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ^{2, 12} , ES v2.4.9-e.24 ^{2, 12}	QLogic QLA2200F-EMC ^{7, 8, 9}	AccessLogix 08.50.5x ²⁵ , MirrorView 1.8 ¹⁵ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ Manager, Event Monitor 6.5 ¹⁸ ; SAN Copy 1.1 ^{19, 20, 21, 22} ; SnapView 2.2 ^{15, 23} ; admsnap 2.2 ^{15, 23, 24}
13	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ^{2, 12} , ES v2.4.9-e.24 ^{2, 12}	QLogic: QLA2310F-E-SP ^{6, 7, 8} , QLA2340-E-SP ^{6, 8}	AccessLogix 08.50.5x ²⁵ , MirrorView 1.8 ¹⁵ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ Manager, Event Monitor 6.5 ¹⁸ ; SnapView 2.2 ^{15, 23} ; admsnap 2.2 ^{15, 23, 24}
14	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Emulex: LP10000-E ^{5, 7, 10, 11, 13} , LP10000DC-E ^{5, 7, 10, 11, 13} , LP1050-E ^{5, 7, 10, 11, 13} , LP1050DC-E ^{5, 7, 10, 11, 13} , LP9002DC-E ^{5, 7, 10, 11, 13} , LP982-E ^{5, 7, 10, 13, 26} ; QLogic QLA2200F-EMC ^{7, 9}	PowerPath 3.0.3 b065 ^{3, 4}
15	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ² , ES v2.4.9-e.27	Emulex LP9802-E ^{7, 10, 11, 13}	PowerPath 3.0.3 b065 ^{3, 4}

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- CLARiiON and Symmetrix can co-exist in the SAN with the same server.
- PowerPath Base is supported on the FC4500 and CX200 only.
- Single HBA zoning is required regardless of the switch being utilized.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- This kernel is supported with PowerPath v3.0.2 via RPQ only.
- For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
- Supported with QLogic driver v6.05.00.
- Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
- Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, FC5300, Symmetrix 8000 series, Symmetrix DMX Series, Symmetrix 3832, Symmetrix 3x30, and Symmetrix 3700 arrays.
- Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
- SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FASi200 with Firmware level 5.30.09.00, FASi700 with Firmware level 5.21.01.02, and FASi900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.**
- A Snapshot must not be in a clustered Storage Group.

- 24. Admsnap is not qualified with VERITAS Volume Manager
- 25. AccessLogix 6.32.18 for FC4500; 6.24.08 for FC5300.
- 26. **QLLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**

SGI IRIX

SGI IRIX			
No.	Operating System	Host Bus Adapter	Application Software
1	SGI IRIX: 6.5.11, 6.5.12, 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI PCI-FC-1P-OPT-A	AccessLogix 08.50.5x ¹⁰ ; MirrorView 1.8 ¹ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ² , Manager, Event Monitor 6.5 ³ ; SAN Copy 1.1 ⁴ , 5, 6, 7; SnapView 2.2 ^{1, 8} ; admsnap 2.2 ^{1, 8, 9}
2	SGI IRIX: 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI PCI-FC-1P-OPT-B	AccessLogix 08.50.5x ¹⁰ ; MirrorView 1.8 ¹ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ² , Manager, Event Monitor 6.5 ³ ; SAN Copy 1.1 ⁴ , 5, 6, 7; SnapView 2.2 ^{1, 8} ; admsnap 2.2 ^{1, 8, 9}

1. For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
2. Shipped with Navisphere Manager. Integrator supports CA—Unicenter TNG 2.4, CA—Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
3. Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
4. Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
5. SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
6. SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, and FC5300.
7. **SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FASSt200 with Firmware level 5.30.09.00, FASSt700 with Firmware level 5.21.01.02, and FASSt900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.**
8. A Snapshot must not be in a clustered Storage Group.
9. Admsnap is not qualified with VERITAS Volume Manager
10. AccessLogix 6.32.18 for FC4500; 6.24.08 for FC5300.

SuSE Linux

SuSE Linux			
No.	Operating System	Host Bus Adapter	Application Software
1	SuSE Linux SLES 8 SP2a (v2.4.19—SuSE.304) ^{1, 2}	Emulex: LP10000—E ^{7, 8, 9, 10} , LP10000DC—E ^{7, 8, 9, 10} , LP1050—E ^{7, 8, 9, 10, 24} , LP1050DC—E ^{7, 8, 9, 10, 24} , LP9002—E (LP9002L—E) ^{7, 8, 9, 10, 12} , LP9002DC—E ^{7, 8, 9, 10, 11} , LP9802—E ^{7, 8, 9, 10} , LP9802DC—E ^{7, 8, 9, 10, 11} , LP982—E ^{7, 8, 9, 10, 23} ; QLLogic: QLA2200F—EMC ³	Navisphere Integrator 6.5 ¹⁴
2	SuSE Linux SLES 8 SP2a (v2.4.19—SuSE.304) ^{1, 2}	Emulex: LP10000—E ^{7, 8, 9, 10} , LP10000DC—E ^{7, 8, 9, 10} , LP1050—E ^{7, 8, 9, 10, 24} , LP1050DC—E ^{7, 8, 9, 10, 24} , LP9002—E (LP9002L—E) ^{7, 8, 9, 10, 12} , LP9002DC—E ^{7, 8, 9, 10, 11} , LP9802—E ^{7, 8, 9, 10} , LP9802DC—E ^{7, 8, 9, 10, 11} , LP982—E ^{7, 8, 9, 10, 23} ; QLLogic: QLA2200F—EMC ³ , QLA2310F—E—SP ³ , QLA2340—E—SP ³	AccessLogix 08.50.5x ²² ; MirrorView 1.8 ¹³ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Manager, Event Monitor 6.5 ¹⁵ ; PowerPath 3.0.4 b012 ^{4, 5, 6} ; SAN Copy 1.1 ^{16, 17, 18, 19} ; SnapView 2.2 ^{13, 20} ; admsnap 2.2 ^{13, 20, 21}

1. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
2. Requires rev1_sles8sp2a.patch for CLARiiON—attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
3. **QLLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
4. CLARiiON and Symmetrix can co—exist in the SAN with the same server.
5. PowerPath Base is supported on the FC4500 and CX200 only.
6. PowerPath 3.0.3 b065 needs to be installed with the RPM “—noscripts” option prior to installing PowerPath 3.0.4 b012.
7. Single HBA zoning is required regardless of the switch being utilized.
8. FC—AL and FC—SW topologies can co—exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
9. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
10. Emulex driver and BIOS available from http://www.emulex.com.
11. Use the boot option “acpi=oldboot” in SuSE SLES8 SMP configurations with the LP9802DC—E and LP9002DC—E adapters
12. The LP9002—E now ships with the LP9002L—E low profile adapter.
13. For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
14. Shipped with Navisphere Manager. Integrator supports CA—Unicenter TNG 2.4, CA—Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
15. Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
16. SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, FC5300, Symmetrix 8000 series, Symmetrix DMX Series, Symmetrix 3832, Symmetrix 3x30, and Symmetrix 3700 arrays.
17. Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
18. SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
19. **SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FASSt200 with Firmware level 5.30.09.00, FASSt700 with Firmware level 5.21.01.02, and FASSt900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.**
20. A Snapshot must not be in a clustered Storage Group.
21. Admsnap is not qualified with VERITAS Volume Manager
22. AccessLogix 6.32.18 for FC4500; 6.24.08 for FC5300.
23. **QLLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
24. **QLLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**

Sun Solaris

Sun Solaris			
No.	Operating System	Host Bus Adapter	Application Software
1	Sun Solaris 2.6	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002S-E	ATF/CDE 3.4.12; AccessLogix 08.50.5x16; MirrorView 1.8 ⁸ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁹ , Manager, Event Monitor 6.5 ¹⁰ ; PowerPath: 3.0.4 ^{2, 3} , 4.0.3 ^{3, 5, 6, 7} ; SAN Copy 1.11, 12, 13, 14 ; SnapView 2.2 ^{8, 15} ; admsnap 2.2 ^{8, 15}
2	Sun Solaris 2.6	QLogic: QLA2340-E-SP, QLA2342-E-SP	AccessLogix 08.50.5x16; MirrorView 1.8 ⁸ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁹ , Manager, Event Monitor 6.5 ¹⁰ ; PowerPath: 3.0.4 ^{2, 3} , 4.0.3 ^{3, 5, 6, 7} ; SAN Copy 1.11, 12, 13, 14 ; SnapView 2.2 ^{8, 15} ; admsnap 2.2 ^{8, 15}
3	Sun Solaris 7	Emulex LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	AccessLogix 08.50.5x16; MirrorView 1.8 ⁸ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁹ , Manager, Event Monitor 6.5 ¹⁰ ; PowerPath: 3.0.4 ^{2, 3} , 4.0.3 ^{3, 5, 6, 7} ; SAN Copy 1.11, 12, 13, 14 ; SnapView 2.2 ^{8, 15} ; admsnap 2.2 ^{8, 15}
4	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	AccessLogix 08.50.5x16; MirrorView 1.8 ⁸ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁹ , Manager, Event Monitor 6.5 ¹⁰ ; PowerPath: 3.0.4 ^{2, 3} , 4.0.3 ^{3, 5, 6, 7} ; SAN Copy 1.11, 12, 13, 14 ; SnapView 2.2 ^{8, 15} ; admsnap 2.2 ^{8, 15}
5	Sun Solaris 9	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9002S-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	AccessLogix 08.50.5x16; MirrorView 1.8 ⁸ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁹ , Manager, Event Monitor 6.5 ¹⁰ ; PowerPath: 3.0.4 ^{2, 3} , 4.0.3 ^{3, 5, 6, 7} ; SAN Copy 1.11, 12, 13, 14 ; SnapView 2.2 ^{8, 15} ; admsnap 2.2 ^{8, 15}
6	Sun Solaris: 2.6, 7, 8	JNI: FC64-1063-DG, FC64-1063-N-DG	ATF/CDE 3.4.12; AccessLogix 08.50.5x16; MirrorView 1.8 ⁸ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁹ , Manager, Event Monitor 6.5 ¹⁰ ; SAN Copy 1.11, 12, 13, 14 ; SnapView 2.2 ^{8, 15} ; admsnap 2.2 ^{8, 15}
7	Sun Solaris: 2.6, 7, 8	JNI: FC64-1063-DG ⁴ , FC64-1063-N-DG ⁴	PowerPath: 3.0.4 ^{2, 3} , 4.0.3 ^{3, 5, 6, 7}
8	Sun Solaris: 7, 8	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9002S-E	ATF/CDE 3.4.12; AccessLogix 08.50.5x16; MirrorView 1.8 ⁸ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁹ , Manager, Event Monitor 6.5 ¹⁰ ; PowerPath: 3.0.4 ^{2, 3} , 4.0.3 ^{3, 5, 6, 7} ; SAN Copy 1.11, 12, 13, 14 ; SnapView 2.2 ^{8, 15} ; admsnap 2.2 ^{8, 15}

- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- ATF/CDE and PowerPath cannot co-exist in the same server.
- Powerpath supported on FC4500, FC4700, CX600, and CX400.
CLARiiON and Symmetrix can co-exist in the SAN with the same server.
- PowerPath supported as a migration path only. PowerPath Volume Manager not supported.
- The Volume Manager component of PowerPath 4.x does not currently support admSnap.
- ATF/CDE is not supported on CX200, CX400 or CX600 arrays. ATF/CDE and PowerPath cannot co-exist on the same server.
- The Volume Manager component of PowerPath 4.x is not currently supported with Sun SunCluster products.
- For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
- Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
- Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, FC5300, Symmetrix 8000 series, Symmetrix DMX Series, Symmetrix 3832, Symmetrix 3x30, and Symmetrix 3700 arrays.
- Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
- SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FASSt200 with Firmware level 5.30.09.00, FASSt700 with Firmware level 5.21.01.02, and FASSt900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.**
- A Snapshot must not be in a clustered Storage Group.
- AccessLogix 6.32.18 for FC4500; 6.24.08 for FC5300.

CLARiiON CX200

Base Connectivity

Do not use a LUN in the CLARiiON DAE2-ATA as a host OS boot device. CX200LC configurations are limited to direct attach configurations under the CX200 section. PowerPath and AccessLogix are not supported on CX200LC.

Egenera BladeFrame Egenera

Egenera – Egenera BladeFrame						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	BladeFrame cBlade-EP ⁴	PCI-X	Egenera BladeFrame 3.0 ^{1,2}	QLogic QLA2342-E-SP ^{3,5,6,7}	FC-AL, FC-SW	Y

1. Maximum of 423 LUNs are supported per BladeFrame.
2. pBlades are qualified with RedHat 2.1 Advanced Server v2.4.9-e.12, v2.4.9-e.16 and v2.4.9-e.25.
3. Supported with v4.47.18e QLogic driver included cBlade OS, BladeFrame 3.0, and BIOS v1.34.
4. PowerPath is not supported on Egenera. Egenera multi-pathing is supported on both Symmetrix and CLARiiON storage arrays.
5. Driver Version 4.47.18e5.
6. Firmware Version 3.01.13.
7. FCode value 1.34.

Microsoft Windows 2000 Bull

Bull – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800: 320La, 320La-R, 320Lb, 320Lb-R, 330Ma-R, 330Mb-R, 340Ha-R	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,3} , SP ^{3,4}	QLogic QLA2310F-E-SP ^{8,9,10}	FC-AL, FC-SW	N
2	Express 5800 180Rb7	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,3} , SP ⁴ ; Microsoft Windows 2000 Server: SP ^{2,3} , SP ⁴	Emulex LP8000-EMC ^{3,4,5}	FC-AL, FC-SW	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
3. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
4. Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
5. Driver Version 2.21a7.
6. Refer to the Stratus, Bull or NEC documentation for hardware, software and non-storage related setup and configuration.
7. CX200 does not support fibre channel hubs or Quickloop. FC-AL connections are to be direct attach only.
8. Qlogic SANSurfer/SANBlade Manager is not supported.
9. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
10. Driver Version 8.2.3.21.

DG

DG – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	AViiON: AV8900, AV8950, AV8950R	PCI	Microsoft Windows 2000 Advanced Server: SP ^{2,3} , SP ^{3,4} ; Microsoft Windows 2000 Server: SP ^{2,3} , SP ^{3,4}	Emulex: LP10000-E ^{6,16,17} , LP10000DC-E ^{6,16,17} , LP1050-E ^{6,16,18} , LP1050DC-E ^{6,16,18} , LP8000-EMC ^{6,8,9} , LP9002-E (LP9002L-E) ^{4,6,8} , LP9802-E ^{4,5,6,7} , LP9802DC-E ^{4,5,6,7} , LP982-E ^{4,5,6,7,15} ; QLogic: QLA2340-E-SP ^{10,11,12} , QLA2342-E-SP ^{10,11,12}	FC-AL, FC-SW	Y	See ¹

DG – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
2	AViiON: AV1400, AV2300, AV2700, AV2800, AV3600, AV3700, AV3704, AV3704R, AV3800, AV8700	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{2,3} , SP3 ^{2,3} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2,3} , SP3 ^{2,3} , SP4 ²	Emulex: LP10000-E ^{6,16,17} , LP1000DC-E ^{6,16,17} , LP1050-E ^{6,16,18} , LP1050DC-E ^{6,16,18} , LP8000-EMC ^{6,8,9} , LP9002-E (LP9002L-E) ^{6,8} , LP9802-E ^{5,6,7} , LP9802DC-E ^{4,5,6,7} , LP982-E ^{5,6,7,15} ; QLogic: QLA2340-E-SP ^{10,11,12} , QLA2342-E-SP ^{10,11,12}	FC-AL, FC-SW	Y	See ¹
3	AViiON: AV1400, AV2300, AV2700, AV2800, AV3600, AV3700, AV3704, AV3704R, AV3800, AV8700, AV8900, AV8950, AV8950R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{2,3} , SP3 ^{2,3} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2,3} , SP3 ^{2,3} , SP4 ²	QLogic QLA2310F-E-SP ^{11,12,14}	FC-AL ¹³ , FC-SW	Y	See ¹

- CX200 available through selected channels.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Driver Version 2.21a7.
- Firmware Version 1.01a2.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- PowerPath supported. ATF/CDE not supported.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.3.21.
- Supported by direct attach only
- If using ATF/CDE, requires 2.1.6 or greater.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Firmware Version 1.80a3.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.

Dell

Dell – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerVault: 750N ¹⁶ , 755N ¹⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5,11} , SP3 ^{5,11} , SP4 ⁵	Emulex LP9002-E (LP9002L-E) ^{3,4,19} ; QLogic: QLA2340-E-SP ^{7,8,10} , QLA2342-E-SP ^{7,8,10}	FC-AL, FC-SW	Y	See ¹
2	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5,11} , SP3 ^{5,11} , SP4 ⁵ ; Microsoft Windows 2000 Datacenter: SP2 ^{5,11,18} , SP3 ^{5,11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5,11} , SP3 ^{5,11} , SP4 ⁵	Emulex: LP8000-EMC ^{2,3,4} , LP9002-E (LP9002L-E) ^{3,4}	FC-AL, FC-SW	Y	See ¹
3	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5,11} , SP3 ^{5,11} , SP4 ⁵ ; Microsoft Windows 2000 Datacenter: SP2 ^{5,11} , SP3 ^{5,11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5,11} , SP3 ^{5,11} , SP4 ⁵	Emulex: LP9802-E ^{4,12,13,14} , LP9802DC-E ^{4,12,13,14} , LP982-E ^{4,12,13,14,17}	FC-AL, FC-SW	Y	See ¹
4	PowerEdge: 4300, 4350	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5,11} , SP3 ^{5,11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5,11} , SP3 ^{5,11} , SP4 ⁵	Emulex LP8000-EMC ^{2,3,4} ; QLogic: QLA2340-E-SP ^{7,8,10} , QLA2342-E-SP ^{7,8,10}	FC-AL, FC-SW	Y	See ¹
5	PowerEdge 1550	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5,11} , SP3 ^{5,11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5,11} , SP3 ^{5,11} , SP4 ⁵	Emulex: LP10000-E ^{4,22,23} , LP1000DC-E ^{4,22,23} , LP1050-E ^{4,22,24} , LP1050DC-E ^{4,22,24} , LP8000-EMC ^{2,3,4} , LP9002-E (LP9002L-E) ^{3,4,19} , LP9802-E ^{4,12,14} , LP9802DC-E ^{4,12,13,14} , LP982-E ^{4,12,14,17} ; QLogic: QLA2340-E-SP ^{7,8,10} , QLA2342-E-SP ^{7,8,10}	FC-AL, FC-SW	Y	See ¹
6	PowerEdge: 1650, 2300, 2400, 2450, 2500, 2550 ¹⁵ , 4400, 6100, 6300, 6350, 6400, 6450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5,11} , SP3 ^{5,11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5,11} , SP3 ^{5,11} , SP4 ⁵	Emulex: LP10000-E ^{4,22,23} , LP1000DC-E ^{4,22,23} , LP1050-E ^{4,22,24} , LP1050DC-E ^{4,22,24} , LP8000-EMC ^{2,3,4} , LP9002-E (LP9002L-E) ^{3,4,19} , LP9802-E ^{4,12,14} , LP9802DC-E ^{4,12,13,14} , LP982-E ^{4,12,14,17} ; QLogic: QLA2340-E-SP ^{7,8,10} , QLA2342-E-SP ^{7,8,10}	FC-AL, FC-SW	Y	See ¹
7	PowerVault: 770N ¹⁶ , 775N ¹⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5,11} , SP3 ^{5,11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5,11} , SP3 ^{5,11} , SP4 ⁵	Emulex: LP10000-E ^{4,22,23} , LP1000DC-E ^{4,22,23} , LP1050-E ^{4,22,24} , LP1050DC-E ^{4,22,24} , LP9002-E (LP9002L-E) ^{3,4} , LP9802-E ^{4,12,14} , LP9802DC-E ^{4,12,13,14} , LP982-E ^{4,12,14,17} ; QLogic: QLA2340-E-SP ^{7,8,10} , QLA2342-E-SP ^{7,8,10}	FC-AL, FC-SW	Y	See ¹
8	PowerVault: 750N ¹⁶ , 755N ¹⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5,11} , SP3 ^{5,11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5,11} , SP3 ^{5,11} , SP4 ⁵	Emulex: LP10000-E ^{4,22,23} , LP1000DC-E ^{4,22,23} , LP1050-E ^{4,22,24} , LP1050DC-E ^{4,22,24} , LP9802-E ^{4,12,14} , LP9802DC-E ^{4,12,13,14} , LP982-E ^{4,12,14,17}	FC-AL, FC-SW	Y	See ¹

Dell – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
9	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	Emulex: LP10000-E ^{4, 22, 23} , LP10000DC-E ^{4, 22, 23} , LP1050-E ^{4, 22, 24} , LP1050DC-E ^{4, 22, 24} ; QLogic QLA2340-E-SP7, 8, 10	FC-AL, FC-SW	Y	See ¹
10	PowerEdge 8450 ²⁰	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	QLogic QLA2300F-E-SP7, 13, 21	FC-AL, FC-SW	Y	
11	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP2 ^{5, 11} , Server SP3 ^{5, 11} , Server SP4 ⁵	QLogic QLA2342-E-SP7, 8, 10	FC-AL, FC-SW	Y	See ¹
12	PowerEdge 8450	PCI	Microsoft Windows 2000 Datacenter SP4 ⁵	QLogic QLA2340-E-SP7, 8, 10, 13	FC-AL, FC-SW	Y	See ¹
13	PowerEdge 8450 ²⁰	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{5, 11, 18} , SP3 ^{5, 11} , SP4 ⁵	Emulex: LP10000-E ^{4, 22, 23} , LP10000DC-E ^{4, 22, 23} , LP1050-E ^{4, 22, 24} , LP1050DC-E ^{4, 22, 24}	FC-AL, FC-SW	Y	See ¹
14	PowerEdge 8450	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{5, 11, 18} , SP3 ^{5, 11} , SP4 ⁵	QLogic QLA2300F-E-SP2 ¹	FC-AL, FC-SW	Y	See ¹
15	PowerEdge 8450	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{5, 11} , SP3 ^{5, 11}	QLogic QLA2340-E-SP7, 8, 13	FC-AL, FC-SW	Y	
16	PowerVault: 750N, 755N	PCI	Microsoft Windows 2000 Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	Emulex LP9002-E (LP9002L-E) ^{4, 19} ; QLogic: QLA2340-E-SP7, 8, QLA2342-E-SP7, 8	FC-AL, FC-SW	Y	
17	PowerEdge: 1750, 2600, 4600, 6600, 6650	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	Emulex: LP10000-E ^{4, 22, 23} , LP10000DC-E ^{4, 22, 23} , LP1050-E ^{4, 22, 24} , LP1050DC-E ^{4, 22, 24} , LP8000-EMC ^{2, 3, 4} , LP9002-E (LP9002L-E) ^{3, 4} , LP9802-E ^{4, 12, 14} , LP9802DC-E ^{4, 12, 13, 14} , LP982-E ^{4, 12, 14, 17} ; QLogic: QLA2340-E-SP7, 8, 10, QLA2342-E-SP7, 8, 10	FC-AL, FC-SW	Y	See ¹
18	PowerEdge 2650	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	Emulex: LP10000-E ^{4, 22, 23} , LP10000DC-E ^{4, 22, 23} , LP1050-E ^{4, 22, 24} , LP1050DC-E ^{4, 22, 24} , LP8000-EMC ^{2, 4, 19} , LP9002-E (LP9002L-E) ^{3, 4} , LP9802-E ^{4, 12, 14} , LP9802DC-E ^{4, 12, 13, 14} , LP982-E ^{4, 12, 14, 17} ; QLogic: QLA2340-E-SP7, 8, 10, QLA2342-E-SP7, 8, 10	FC-AL, FC-SW	Y	See ¹
19	PowerVault: 750N ¹⁶ , 755N ¹⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	QLogic QLA2310F-E-SP6, 7, 8	FC-AL ⁹ , FC-SW	Y	See ¹
20	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000 Datacenter: SP2 ^{5, 11, 18} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	QLogic QLA2310F-E-SP6, 7, 8	FC-AL ⁹ , FC-SW	Y	See ¹
21	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2500, 2550 ¹⁵ , 4300, 4350, 4400, 6100, 6300, 6350, 6400, 6450; PowerVault: 770N ¹⁶ , 775N ¹⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	QLogic QLA2310F-E-SP6, 7, 8	FC-AL ⁹ , FC-SW	Y	See ¹
22	PowerVault: 750N, 755N	PCI	Microsoft Windows 2000 Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	QLogic QLA2310F-E-SP7, 8	FC-AL ⁹ , FC-SW	Y	
23	PowerEdge: 1750, 2600, 2650, 4600, 6600, 6650	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	QLogic QLA2310F-E-SP6, 7, 8	FC-AL ⁹ , FC-SW	Y	See ¹

- CX200 available through selected channels.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Driver Version 2.21a7.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- If using ATF/CDE, requires 2.1.6 or greater.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.3.21.
- Supported by direct attach only
- PowerPath supported. ATF/CDE not supported.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- Firmware Version 1.01a2.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- Not supported with Emulex LP8000-EMC HBA.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- PowerPath not supported. ATF is supported only using Emulex 5-2.11a2 driver.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- If using Dell PERC Controller, requires PERC 3 with OpenManager 3.0 and Array Manager 3.1. The afamgt.sys must be version 2.6.0.3486 (or above)..

21. Driver Version 8.2.1.20.
22. Firmware Version 1.80a3.
23. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
24. **Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

Fuji Serv (ICL)

Fuji Serv (ICL) – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Trimetra Nova	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{2,3} , SP3 ^{2,3} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2,3} , SP3 ^{2,3} , SP4 ²	Emulex: LP10000-E ^{7,16,17} , LP10000DC-E ^{7,16,17} , LP1050-E ^{7,17,18} , LP1050DC-E ^{7,17,18} , LP8000-EMC ^{7,14,15} , LP9002-E (LP9002L-E) ^{7,14} , LP9802-E ^{5,6,7} , LP9802DC-E ^{4,5,6,7} , LP982-E ^{5,6,7,13} ; QLogic: QLA2340-E-SP ^{8,9,10} , QLA2342-E-SP ^{8,9,10}	FC-AL, FC-SW	Y	See ¹
2	Trimetra Nova	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{2,3} , SP3 ^{2,3} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2,3} , SP3 ^{2,3} , SP4 ²	QLogic QLA2310F-E-SP ^{8,10,11}	FC-AL ¹² , FC-SW	Y	See ¹

1. CX200 available through selected channels.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. **Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
4. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
5. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
6. Firmware Version 1.01a2.
7. Driver Version 2.21a7.
8. Driver Version 8.2.3.21.
9. PowerPath supported. ATF/CDE not supported.
10. **Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.**
11. If using ATF/CDE, requires 2.1.6 or greater.
12. Supported by direct attach only
13. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
14. Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
15. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
16. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
17. Firmware Version 1.80a3.
18. **Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

HPQ

HPQ – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Proliant DL380(G3)	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5,14} , SP3 ^{5,14} , SP4 ⁵	Emulex LP9002-E (LP9002L-E) ^{10,12,17} ; QLogic: QLA2340-E-SP ^{2,3,4,15} , QLA2342-E-SP ^{2,3,4,15}	FC-AL, FC-SW	Y	See ¹
2	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5,14} , SP3 ^{5,14} , SP4 ⁵ ; Microsoft Windows 2000 Datacenter: SP2 ^{5,14} , SP3 ^{5,14} ; Microsoft Windows 2000 Server: SP2 ^{5,14} , SP3 ^{5,14} , SP4 ⁵	Emulex: LP10000-E ^{10,28,29} , LP10000DC-E ^{10,28,29} , LP1050-E ^{10,28,30} , LP1050DC-E ^{10,28,30}	FC-AL, FC-SW	Y	See ¹
3	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5,14} , SP3 ^{5,14} , SP4 ⁵ ; Microsoft Windows 2000 Datacenter: SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5,14} , SP3 ^{5,14} , SP4 ⁵	HPQ: A7298A (LP982) ^{10,11,29} , DS-KGPSA-CA (LP8000) ^{9,10,24,29} , DS-KGPSA-CB (LP8000) ^{9,10,24,29} , DS-KGPSA-CY (LP8000) ^{9,10,24,29} , FCA2214 (QLA2340) ^{3,4} , FCA2214DC (QLA2342) ^{3,4} , FCA2384 (LP9802) ^{10,11,31} , FCA2404 (LP9802) ^{10,11,29} , FCA2404DC (LP9802DC) ^{10,11,29} , FCA2408 (LP982) ^{10,11,29}	FC-AL, FC-SW	Y	See ¹
4	Netservr LH: II, PRO; Netservr: LX PRO, LXR PRO, LXR PRO8	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5,14} , SP3 ^{5,14} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5,14} , SP3 ^{5,14} , SP4 ⁵	Emulex LP8000-EMC ^{10,12,13} ; HPQ: DS-KGPSA-CA (LP8000) ^{9,10,24,29} , DS-KGPSA-CB (LP8000) ^{9,10,24,29} , DS-KGPSA-CY (LP8000) ^{9,10,24,29}	FC-AL, FC-SW	Y	
5	Netservr LH: 3000, 6000; Netservr LXR: 8000, 8500; Proliant: 1600 ^{16,19} , 1850 ¹⁶ , 850 ¹⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{5,14} , SP3 ^{5,14} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5,14} , SP3 ^{5,14} , SP4 ⁵	Emulex LP8000-EMC ^{10,12,13} ; HPQ: DS-KGPSA-CA (LP8000) ^{9,10,24,29} , DS-KGPSA-CB (LP8000) ^{9,10,24,29} , DS-KGPSA-CY (LP8000) ^{9,10,24,29} , FCA2214 (QLA2340) ^{3,4} , FCA2214DC (QLA2342) ^{3,4} , FCA2384 (LP9802) ^{10,11,31} , FCA2404 (LP9802) ^{10,11,29} ; QLogic: QLA2340-E-SP ^{2,3,4} , QLA2342-E-SP ^{2,3,4}	FC-AL, FC-SW	Y	See ¹

HPQ – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
6	Netserver LH: 3, 4, III; Proliant: 2500 ¹⁶ , 5000 ¹⁶ , 6000 ^{16, 20} , 6500 ^{16, 20} , 8000 ^{16, 20}	PCI	Microsoft Windows 2000 Advanced Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5} ; Microsoft Windows 2000 Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5}	Emulex LP8000-EMC ^{10, 12, 13} , HPQ: DS-KGPSA-CA (LP8000) ^{9, 10, 24, 29} , DS-KGPSA-CB (LP8000) ^{9, 10, 24, 29} , DS-KGPSA-CY (LP8000) ^{9, 10, 24, 29} , FCA2214 (QLA2340) ^{3, 4} , FCA2214DC (QLA2342) ^{3, 4} ; QLogic: QLA2340-E-SP ^{2, 3, 4} , QLA2342-E-SP ^{2, 3, 4}	FC-AL, FC-SW	Y	See ¹
7	Proliant 3000 ¹⁶	PCI	Microsoft Windows 2000 Advanced Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5} ; Microsoft Windows 2000 Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5}	Emulex LP8000-EMC ^{10, 13, 24, 29}	FC-AL, FC-SW	Y	
8	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LPR, LT 6000R; Proliant: 6400R ¹⁶ , DL320 ¹⁶ , DL360(G2) ^{16, 18} , DL360 ¹⁶ , DL380(G2) ¹⁶ , DL380 ¹⁶ , DL580 ¹⁶ , ML350(G2) ¹⁶ , ML350(G3) ¹⁶ , ML350 ¹⁶ , ML370(G2) ¹⁶ , ML370(G3) ¹⁶ , ML370 ¹⁶ , ML530(G2) ¹⁶ , ML530 ¹⁶ , ML570 ¹⁶ , ML750 ²¹	PCI	Microsoft Windows 2000 Advanced Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5} ; Microsoft Windows 2000 Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5}	Emulex: LP10000-E ^{10, 28, 29} , LP10000DC-E ^{10, 28, 29} , LP1050-E ^{10, 28, 30} , LP1050DC-E ^{10, 28, 30} , LP8000-EMC ^{10, 12, 13} , LP9002-E (LP9002L-E) ^{10, 12} , LP9802-E ^{9, 10, 11} , LP9802DC-E ^{9, 10, 11, 15} , LP982-E ^{8, 9, 10, 11} ; HPQ: A7298A (LP982) ^{10, 11, 29} , DS-KGPSA-CA (LP8000) ^{9, 10, 24, 29} , DS-KGPSA-CB (LP8000) ^{9, 10, 24, 29} , DS-KGPSA-CY (LP8000) ^{9, 10, 24, 29} , FCA2101 (LP952) ^{10, 32, 33} , FCA2214 (QLA2340) ^{3, 4} , FCA2214DC (QLA2342) ^{3, 4} , FCA2384 (LP9802) ^{10, 11, 31} , FCA2404 (LP9802) ^{10, 11, 29} , FCA2404DC (LP9802DC) ^{10, 11, 29} , FCA2408 (LP982) ^{10, 11, 29} ; QLogic: QLA2340-E-SP ^{2, 3, 4} , QLA2342-E-SP ^{2, 3, 4}	FC-AL, FC-SW	Y	See ¹
9	Proliant DL380(G3)	PCI	Microsoft Windows 2000 Advanced Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5} ; Microsoft Windows 2000 Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5}	Emulex: LP10000-E ^{10, 28, 29} , LP10000DC-E ^{10, 28, 29} , LP1050-E ^{10, 28, 30} , LP1050DC-E ^{10, 28, 30} , LP8000-EMC ^{10, 12, 13} , LP9802-E ^{9, 10, 11} , LP9802DC-E ^{9, 10, 11, 15} , LP982-E ^{8, 9, 10, 11} ; HPQ: A7298A (LP982) ^{10, 11, 29} , DS-KGPSA-CA (LP8000) ^{9, 10, 24, 29} , DS-KGPSA-CB (LP8000) ^{9, 10, 24, 29} , DS-KGPSA-CY (LP8000) ^{9, 10, 24, 29} , FCA2101 (LP952) ^{10, 32, 33} , FCA2214 (QLA2340) ^{3, 4} , FCA2214DC (QLA2342) ^{3, 4} , FCA2384 (LP9802) ^{10, 11, 31} , FCA2404 (LP9802) ^{10, 11, 29} , FCA2404DC (LP9802DC) ^{10, 11, 29} , FCA2408 (LP982) ^{10, 11, 29}	FC-AL, FC-SW	Y	See ¹
10	Proliant: 3000 ¹⁶ , 5500 ^{16, 20} , 7000 ^{16, 20}	PCI	Microsoft Windows 2000 Advanced Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5} ; Microsoft Windows 2000 Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5}	Emulex: LP8000-EMC ^{10, 12, 13} , LP9002-E (LP9002L-E) ^{10, 12} ; HPQ: DS-KGPSA-CA (LP8000) ^{9, 10, 24, 29} , DS-KGPSA-CB (LP8000) ^{9, 10, 24, 29} , DS-KGPSA-CY (LP8000) ^{9, 10, 24, 29} , FCA2101 (LP952) ^{10, 32, 33} , FCA2214 (QLA2340) ^{3, 4} , FCA2214DC (QLA2342) ^{3, 4} ; QLogic: QLA2340-E-SP ^{2, 3, 4} , QLA2342-E-SP ^{2, 3, 4}	FC-AL, FC-SW	Y	See ¹
11	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5} ; Microsoft Windows 2000 Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5}	QLogic QLA2300F-E-SP ^{3, 15, 27}	FC-AL, FC-SW	Y	
12	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5} ; Microsoft Windows 2000: Datacenter SP ^{4, 5} , Server SP ^{2, 5, 14} , Server SP ^{3, 5, 14} , Server SP ^{4, 5}	Emulex: LP8000-EMC ^{10, 12, 13} , LP9002-E (LP9002L-E) ^{10, 12} , LP9802-E ^{9, 10, 11} , LP9802DC-E ^{9, 10, 11, 15} , LP982-E ^{8, 9, 10, 11} ; HPQ FCA2101 (LP952) ^{10, 32, 33} ; QLogic: QLA2340-E-SP ^{2, 3, 4} , QLA2342-E-SP ^{2, 3, 4}	FC-AL, FC-SW	Y	See ¹
13	Proliant 8500 ¹⁶	PCI	Microsoft Windows 2000 Datacenter SP ^{4, 5}	Emulex: LP10000-E ^{10, 28, 29} , LP10000DC-E ^{10, 28, 29} , LP1050-E ^{10, 28, 30} , LP1050DC-E ^{10, 28, 30}	FC-AL, FC-SW	Y	See ¹
14	Proliant DL380(G3)	PCI	Microsoft Windows 2000 Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5}	Emulex LP9002-E (LP9002L-E) ^{10, 12} ; QLogic: QLA2340-E-SP ^{2, 3, 4} , QLA2342-E-SP ^{2, 3, 4}	FC-AL, FC-SW	Y	See ¹
15	Proliant: BL40p, DL740, DL760 (G2), DL760 ¹⁶	PCI-X	Microsoft Windows 2000 Advanced Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5}	Emulex LP9002-E (LP9002L-E) ^{10, 12, 17}	FC-AL, FC-SW	Y	See ¹
16	Proliant: DL760 (G2), DL760 ¹⁶	PCI-X	Microsoft Windows 2000 Advanced Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5} ; Microsoft Windows 2000 Datacenter: SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5} ; Microsoft Windows 2000 Server; SP ^{2, 5, 14} , SP ^{3, 5, 14} , SP ^{4, 5}	Emulex: LP10000-E ^{10, 28, 29} , LP10000DC-E ^{10, 28, 29} , LP1050-E ^{10, 28, 30} , LP1050DC-E ^{10, 28, 30} ; HPQ FCA2101 (LP952) ^{10, 32, 33}	FC-AL, FC-SW	Y	See ¹

HPQ – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
17	Proliant: DL760 (G2), DL760 ¹⁶	PCI-X	Microsoft Windows 2000 Advanced Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵ ; Microsoft Windows 2000 Datacenter; SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵	HPQ: A7298A (LP982) ^{10, 11, 29} , DS-KGPSA-CA (LP8000) ^{9, 10, 24, 29} , DS-KGPSA-CB (LP8000) ^{9, 10, 24, 29} , DS-KGPSA-CY (LP8000) ^{9, 10, 24, 29} , FCA2214 (QLA2340) ^{3, 4} , FCA2214DC (QLA2342) ^{3, 4} , FCA2384 (LP9802) ^{10, 11, 31} , FCA2404 (LP9802) ^{10, 11, 29} , FCA2404DC (LP9802DC) ^{10, 11, 29} , FCA2408 (LP982) ^{10, 11, 29}	FC-AL, FC-SW	Y	See ¹
18	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Microsoft Windows 2000 Advanced Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵ ; Microsoft Windows 2000 Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵	Emulex: LP10000-E ^{10, 28, 29} , LP10000DC-E ^{10, 28, 29} , LP1050-E ^{10, 28, 30} , LP1050DC-E ^{10, 28, 30} , LP8000-EMC ^{10, 12, 13} , LP9002-E (LP9002L-E) ^{10, 12} , LP9802-E ^{9, 10, 11} , LP9802DC-E ^{9, 10, 11, 15} , LP982-E ^{8, 9, 10, 11} ; HPQ: A7298A (LP982) ^{10, 11, 29} , DS-KGPSA-CA (LP8000) ^{9, 10, 24, 29} , DS-KGPSA-CB (LP8000) ^{9, 10, 24, 29} , DS-KGPSA-CY (LP8000) ^{9, 10, 24, 29} , FCA2101 (LP952) ^{10, 32, 33} , FCA2214 (QLA2340) ^{3, 4} , FCA2214DC (QLA2342) ^{3, 4} , FCA2384 (LP9802) ^{10, 11, 31} , FCA2404 (LP9802) ^{10, 11, 29} , FCA2404DC (LP9802DC) ^{10, 11, 29} , FCA2408 (LP982) ^{10, 11, 29} ; QLogic: QLA2340-E-SP2, 3, 4, QLA2342-E-SP2, 3, 4	FC-AL, FC-SW	Y	See ¹
19	Proliant: BL40p, DL740	PCI-X	Microsoft Windows 2000 Advanced Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵ ; Microsoft Windows 2000 Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵	Emulex: LP10000-E ^{10, 28, 29} , LP10000DC-E ^{10, 28, 29} , LP1050-E ^{10, 28, 30} , LP1050DC-E ^{10, 28, 30} , LP8000-EMC ^{10, 12, 13} , LP9802-E ^{9, 10, 11} , LP9802DC-E ^{9, 10, 11, 15} , LP982-E ^{8, 9, 10, 11} ; HPQ: A7298A (LP982) ^{10, 11, 29} , DS-KGPSA-CA (LP8000) ^{9, 10, 24, 29} , DS-KGPSA-CB (LP8000) ^{9, 10, 24, 29} , DS-KGPSA-CY (LP8000) ^{9, 10, 24, 29} , FCA2101 (LP952) ^{10, 32, 33} , FCA2214 (QLA2340) ^{3, 4} , FCA2214DC (QLA2342) ^{3, 4} , FCA2384 (LP9802) ^{10, 11, 31} , FCA2404 (LP9802) ^{10, 11, 29} , FCA2404DC (LP9802DC) ^{10, 11, 29} , FCA2408 (LP982) ^{10, 11, 29} ; QLogic: QLA2340-E-SP2, 3, 4, QLA2342-E-SP2, 3, 4	FC-AL, FC-SW	Y	See ¹
20	Proliant: DL740, DL760 (G2), DL760 ¹⁶	PCI-X	Microsoft Windows 2000 Advanced Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵ ; Microsoft Windows 2000 Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵	QLogic QLA2300F-E-SP3, 15, 27	FC-AL, FC-SW	Y	
21	Proliant: DL760 (G2), DL760 ¹⁶	PCI-X	Microsoft Windows 2000 Advanced Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP2 ^{5, 14} , Server SP3 ^{5, 14} , Server SP4 ⁵	Emulex: LP8000-EMC ^{10, 12, 13} , LP9802-E ^{9, 10, 11} , LP9802DC-E ^{9, 10, 11, 15} , LP982-E ^{8, 9, 10, 11} ; QLogic: QLA2340-E-SP2, 3, 4, QLA2342-E-SP2, 3, 4	FC-AL, FC-SW	Y	See ¹
22	Proliant: DL760 (G2), DL760 ¹⁶	PCI-X	Microsoft Windows 2000 Datacenter; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵	Emulex LP9002-E (LP9002L-E) ^{8, 10, 12, 17}	FC-AL, FC-SW	Y	See ¹
23	Proliant: BL40p, DL740, DL760 (G2), DL760 ¹⁶	PCI-X	Microsoft Windows 2000 Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵	Emulex LP9002-E (LP9002L-E) ^{10, 12}	FC-AL, FC-SW	Y	See ¹
24	Proliant BL20p (G2)	PCI-X ²²	Microsoft Windows 2000 Advanced Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵ ; Microsoft Windows 2000 Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵	HPQ Dual-port mezzanine controller card ^{4, 23}	FC-AL, FC-SW	Y	
25	Proliant: DL580(G2) ¹⁶ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2000 Advanced Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵ ; Microsoft Windows 2000 Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵	Emulex: LP10000-E ^{10, 28, 29} , LP10000DC-E ^{10, 28, 29} , LP1050-E ^{10, 28, 30} , LP1050DC-E ^{10, 28, 30} , LP8000-EMC ^{10, 12, 13} , LP9002-E (LP9002L-E) ^{10, 12} , LP9802-E ^{9, 10, 11} , LP9802DC-E ^{9, 10, 11, 15} , LP982-E ^{8, 9, 10, 11} ; HPQ: A7298A (LP982) ^{10, 11, 29} , DS-KGPSA-CA (LP8000) ^{9, 10, 24, 29} , DS-KGPSA-CB (LP8000) ^{9, 10, 24, 29} , DS-KGPSA-CY (LP8000) ^{9, 10, 24, 29} , FCA2101 (LP952) ^{10, 32, 33} , FCA2214 (QLA2340) ^{3, 4} , FCA2214DC (QLA2342) ^{3, 4} , FCA2384 (LP9802) ^{10, 11, 31} , FCA2404 (LP9802) ^{10, 11, 29} , FCA2404DC (LP9802DC) ^{10, 11, 29} , FCA2408 (LP982) ^{10, 11, 29} ; QLogic: QLA2340-E-SP2, 3, 4, QLA2342-E-SP2, 3, 4	FC-AL, FC-SW	Y	See ¹

HPQ – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
26	Proliant DL760 ¹⁶	PCI, PCI-X	Microsoft Windows 2000 Advanced Server; SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵ ; Microsoft Windows 2000 Server; SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵	QLLogic QLA2300F-E-SP ^{3, 15, 27}	FC-AL, FC-SW	Y	
27	Proliant DL380(G3)	PCI	Microsoft Windows 2000 Advanced Server; SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵	QLLogic QLA2310F-E-SP ^{3, 4, 6, 15}	FC-AL ⁷ , FC-SW	Y	See ¹
28	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{16, 19} , 1850 ¹⁶ , 2500 ¹⁶ , 3000 ¹⁶ , 5000 ¹⁶ , 5500 ^{16, 20} , 6000 ^{16, 20} , 6400 ¹⁶ , 6500 ^{16, 20} , 7000 ^{16, 20} , 8000 ^{16, 20} , 850 ¹⁶ , DL320 ¹⁶ , DL360(G2) ^{16, 18} , DL360 ¹⁶ , DL380(G2) ¹⁶ , DL380 ¹⁶ , DL580 ¹⁶ , ML350(G2) ¹⁶ , ML350(G3), ML350 ¹⁶ , ML370(G2), ML370(G3), ML370 ¹⁶ , ML530(G2) ¹⁶ , ML530 ¹⁶ , ML570 ¹⁶ , ML750 ²¹	PCI	Microsoft Windows 2000 Advanced Server; SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵ ; Microsoft Windows 2000 Server; SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵	QLLogic QLA2310F-E-SP ^{3, 4, 6}	FC-AL ⁷ , FC-SW	Y	See ¹
29	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server; SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵ ; Microsoft Windows 2000: Datacenter SP ⁴⁵ , Server SP ^{25, 14} , Server SP ^{35, 14} , Server SP ⁴⁵	QLLogic QLA2310F-E-SP ^{3, 4, 6}	FC-AL ⁷ , FC-SW	Y	See ¹
30	Proliant DL380(G3)	PCI	Microsoft Windows 2000 Server; SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵	QLLogic QLA2310F-E-SP ^{3, 4, 6}	FC-AL ⁷ , FC-SW	Y	See ¹
31	Proliant: BL40p, DL360(G3), DL560, DL740, ML570(G2)	PCI-X	Microsoft Windows 2000 Advanced Server; SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵ ; Microsoft Windows 2000 Server; SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵	QLLogic QLA2310F-E-SP ^{3, 4, 6}	FC-AL ⁷ , FC-SW	Y	See ¹
32	Proliant: DL760 (G2), DL760 ¹⁶	PCI-X	Microsoft Windows 2000 Advanced Server; SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵ ; Microsoft Windows 2000: Datacenter SP ⁴⁵ , Server SP ^{25, 14} , Server SP ^{35, 14} , Server SP ⁴⁵	QLLogic QLA2310F-E-SP ^{3, 4, 6}	FC-AL ⁷ , FC-SW	Y	See ¹
33	Proliant: DL580(G2) ¹⁶ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2000 Advanced Server; SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵ ; Microsoft Windows 2000 Server; SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵	QLLogic QLA2310F-E-SP ^{3, 4, 6}	FC-AL ⁷ , FC-SW	Y	See ¹
34	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server; SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵ ; Microsoft Windows 2000 Datacenter: SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵ ; Microsoft Windows 2000 Server; SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵	HPQ: FCA2354 (LP9002) ^{8, 10, 15, 24, 25, 26} , FCA2355 (LP9002DC) ^{8, 10, 15, 24, 25, 26}	FC-SW	Y	See ¹
35	Proliant: 6400R ¹⁶ , DL320 ¹⁶ , DL360(G2) ¹⁶ , DL360 ¹⁶ , DL380(G2) ¹⁶ , DL380(G3), DL380 ¹⁶ , DL580 ¹⁶ , ML350(G2) ¹⁶ , ML350(G3), ML350 ¹⁶ , ML370(G2), ML370(G3), ML370 ¹⁶ , ML530(G2) ¹⁶ , ML530 ¹⁶ , ML570 ¹⁶ , ML750 ¹⁶	PCI	Microsoft Windows 2000 Advanced Server; SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵ ; Microsoft Windows 2000 Server; SP ^{25, 14} , SP ^{35, 14} , SP ⁴⁵	HPQ: FCA2354 (LP9002) ^{10, 24} , FCA2355 (LP9002DC) ^{10, 24}	FC-SW	Y	

HPQ – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
36	Proliant DL760 ¹⁶	PCI-X	Microsoft Windows 2000 Advanced Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵ ; Microsoft Windows 2000 Datacenter; SP2 ⁵ , SP3 ⁵ , SP4 ⁵ ; Microsoft Windows 2000 Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵	HPQ: FCA2354 (LP9002) ^{10, 24} , FCA2355 (LP9002DC) ^{10, 24}	FC-SW	Y	
37	Proliant: BL40p, DL360(G3), DL560, DL740, ML570(G2)	PCI-X	Microsoft Windows 2000 Advanced Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵ ; Microsoft Windows 2000 Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵	HPQ: FCA2354 (LP9002) ^{10, 24} , FCA2355 (LP9002DC) ^{10, 24}	FC-SW	Y	
38	Proliant: DL580(G2) ¹⁶ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2000 Advanced Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵ ; Microsoft Windows 2000 Server; SP2 ^{5, 14} , SP3 ^{5, 14} , SP4 ⁵	HPQ: FCA2354 (LP9002) ^{10, 24} , FCA2355 (LP9002DC) ^{10, 24}	FC-SW	Y	

- CX200 available through selected channels.
 - PowerPath supported. ATF/CDE not supported.
 - Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
 - Driver Version 8.2.3.21.
 - EMC recommends that HBAs of different vendors not be used in the same host server.
 - If using ATF/CDE, requires 2.1.6 or greater.
 - Supported by direct attach only
 - The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
 - Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
 - Driver Version 2.21a7.
 - Firmware Version 1.01a2.
 - Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
 - The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
 - Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
 - QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
 - Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
 - The LP9002-E now ships with the LP9002L-E low profile adapter.
 - Requires minimum BIOS v4.01 rev A (5/17/2002) for use with Emulex HBAs.
 - This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
 - Includes both Pentium PRO and XEON models
 - HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
 - Dual port PCI-X fibre channel mezzanine card option is embedded. No PCI/PCI-X slots available.
 - Supports BIOS 1.34. Supports SNIA HBA API. Driver and BIOS available at <http://www.qlogic.com>.**
 - Firmware Version 3.90a7.
 - Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.
- NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
 - Driver Version 8.2.1.20.
 - Firmware Version 1.80a3.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**
 - Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. Supports SNIA HBA API.**
 - EMC does not support the Emulex equivalent of the FCA2101 (LP952.) Use EMC supported driver for LP9002 from <http://www.emulex.com>.**
 - Firmware Version 3.90a7. Contact HPQ for supported firmware versions for this HBA.

IBM

IBM – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex LP8000-EMC ^{14, 17, 19} ; IBM 19K1246(QLA2310) ^{3, 4, 5} ; QLogic: QLA2340-E-SP ^{4, 5, 7} , QLA2342-E-SP ^{4, 5, 7}	FC-AL, FC-SW	Y	
2	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	IBM 24P0960(QLA2340) ^{4, 5, 9, 10}	FC-AL, FC-SW	Y	See ⁶
3	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{14, 16, 17} ; QLogic: QLA2340-E-SP ^{4, 5, 7} , QLA2342-E-SP ^{4, 5, 7}	FC-AL, FC-SW	Y	
4	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	Emulex: LP9002-E (LP9002L-E) ^{14, 16, 17} , LP9802-E ^{7, 11, 13, 14} , LP982-E ^{7, 11, 13, 14, 15} ; IBM 24P0960(QLA2340) ^{4, 5, 9, 10} ; QLogic: QLA2340-E-SP ^{4, 5, 7, 9} , QLA2342-E-SP ^{4, 5, 7, 9}	FC-AL, FC-SW	Y	See ⁶

IBM – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
5	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{14,34,35} , LP10000DC-E ^{14,34,35} , LP1050-E ^{14,35,38} , LP1050DC-E ^{14,35,38} , LP9802-E ^{7,11,13,14} , LP9802DC-E ^{7,11,13,14} , LP982-E ^{7,11,13,14,15} ; IBM 24P0960(QLA2340) ^{4,5,9,10}	FC-AL, FC-SW	Y	See ⁶
6	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex LP8000-EMC ^{14,17,19} ; IBM: 19K1246(QLA2310) ^{3,4,5} , 24P0960(QLA2340) ^{4,5,10} ; QLogic: QLA2340-E-SP ^{4,5,9} , QLA2342-E-SP ^{4,5,9}	FC-AL, FC-SW	Y	See ⁶
7	Netfinity 7000 M10 ²²	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex LP8000-EMC ^{14,17,19} ; QLogic: QLA2340-E-SP ^{4,5,9} , QLA2342-E-SP ^{4,5,9}	FC-AL, FC-SW	Y	See ⁶
8	xSeries: X330 ¹² , X335, X340 (4500R) ¹² , X342 ¹² , x230, x232 ¹² , x240 ¹² , x250 ¹² , x255 ¹² , x350 (6000R) ¹²	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{14,34,35} , LP10000DC-E ^{14,34,35} , LP1050-E ^{14,35,38} , LP1050DC-E ^{14,35,38} , LP8000-EMC ^{14,17,19} , LP9002-E (LP9002L-E) ^{14,17} , LP9802-E ^{11,13,14} , LP9802DC-E ^{7,11,13,14} , LP982-E ^{11,13,14,15} ; IBM: 19K1246(QLA2310) ^{3,4,5} , 24P0960(QLA2340) ^{4,5,10} ; QLogic: QLA2340-E-SP ^{4,5,9} , QLA2342-E-SP ^{4,5,9}	FC-AL, FC-SW	Y	See ⁶
9	Netfinity 7000 M10 ²¹	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	IBM: 19K1246(QLA2310) ^{3,4,5} , 24P0960(QLA2340) ^{4,5,10}	FC-AL, FC-SW	Y	See ⁶
10	Netfinity: 8500, 8500R; xSeries x370 ¹²	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	QLogic QLA2300F-E-SP ^{4,7,29}	FC-AL, FC-SW	Y	
11	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ^{1,2} , Server SP3 ^{1,2} , Server SP4 ¹	Emulex LP8000-EMC ^{14,17,19} ; IBM 19K1246(QLA2310) ^{3,4,5}	FC-AL, FC-SW	Y	
12	xSeries x370 ¹²	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ^{1,2} , Server SP3 ^{1,2} , Server SP4 ¹	Emulex: LP10000-E ^{14,34,35} , LP10000DC-E ^{14,34,35} , LP1050-E ^{14,35,38} , LP1050DC-E ^{14,35,38} , LP8000-EMC ^{14,17,19} , LP9002-E (LP9002L-E) ^{14,17} , LP9802-E ^{11,13,14} , LP9802DC-E ^{7,11,13,14} , LP982-E ^{11,13,14,15} ; IBM: 19K1246(QLA2310) ^{3,4,5} , 24P0960(QLA2340) ^{4,5,10} ; QLogic: QLA2340-E-SP ^{4,5,9} , QLA2342-E-SP ^{4,5,9}	FC-AL, FC-SW	Y	See ⁶
13	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ^{1,2} , Server SP3 ^{1,2} , Server SP4 ¹	Emulex: LP10000-E ^{14,34,35} , LP10000DC-E ^{14,34,35} , LP1050-E ^{14,35,38} , LP1050DC-E ^{14,35,38} , LP8000-EMC ^{14,17,19} , LP9802DC-E ^{7,11,13,14} ; IBM 19K1246(QLA2310) ^{3,4,5}	FC-AL, FC-SW	Y	See ⁶
14	Netfinity: 8500, 8500R; xSeries x370 ¹²	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000: Datacenter: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	IBM 00N6881 (QLA2200) ^{30,31,32,33}	FC-AL, FC-SW	Y	
15	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ²¹ , 7100, 7600; xSeries: X330 ¹² , X335, X340 (4500R) ¹² , X342 ¹² , x230, x232 ¹² , x240 ¹² , x250 ¹² , x255 ¹² , x350 (6000R) ¹²	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	IBM 00N6881 (QLA2200) ^{30,31,32,33}	FC-AL, FC-SW	Y	
16	Netfinity 8500; xSeries x370 ¹²	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{14,34,35} , LP10000DC-E ^{14,34,35} , LP1050-E ^{14,35,38} , LP1050DC-E ^{14,35,38}	FC-AL, FC-SW	Y	
17	Netfinity 8500R	PCI	Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{14,15,16,17} ; QLogic: QLA2340-E-SP ^{4,5,7,18} , QLA2342-E-SP ^{4,5,7,18}	FC-AL, FC-SW	Y	
18	Netfinity 8500	PCI	Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP9002-E (LP9002L-E) ^{14,17} , LP9802-E ^{11,13,14} , LP982-E ^{11,13,14,15} ; IBM 24P0960(QLA2340) ^{4,5,10} ; QLogic: QLA2340-E-SP ^{4,5,9} , QLA2342-E-SP ^{4,5,9}	FC-AL, FC-SW	Y	See ⁶

IBM – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
19	xSeries: x235 ¹² , x360 ¹²	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{14,34,35} , LP10000DC-E ^{14,34,35} , LP1050-E ^{14,35,38} , LP1050DC-E ^{14,35,38} , LP8000-EMC ^{14,17,19} , LP9002-E (LP9002L-E) ^{14,17} , LP9802-E ^{11,13,14} , LP9802DC-E ^{7,11,13,14} , LP982-E ^{11,13,14,15} ; IBM: 19K1246(QLA2310) ^{3,4,5} , 24P0960(QLA2340) ^{4,5,10} ; QLogic: QLA2340-E-SP ^{4,5,9} , QLA2342-E-SP ^{4,5,9}	FC-AL, FC-SW	Y	See ⁶
20	eServer BladeCenter HS20 (Model: 8678) ²⁷ , 8832) ²⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{36,37}	FC-AL, FC-SW	Y	
21	xSeries x440 ¹²	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ^{1,2} , Server SP3 ^{1,2} , Server SP4 ¹	Emulex: LP10000-E ^{14,34,35} , LP10000DC-E ^{14,34,35} , LP1050-E ^{14,35,38} , LP1050DC-E ^{14,35,38} , LP8000-EMC ^{14,17,19} , LP9002-E (LP9002L-E) ^{14,17} , LP9802-E ^{11,13,14} , LP9802DC-E ^{7,11,13,14} , LP982-E ^{11,13,14,15} ; IBM: 19K1246(QLA2310) ^{3,4,5} , 24P0960(QLA2340) ^{4,5,10} ; QLogic: QLA2340-E-SP ^{4,5,9} , QLA2342-E-SP ^{4,5,9}	FC-AL, FC-SW	Y	See ⁶
22	xSeries x440 ¹²	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	IBM 00N6881 (QLA2200) ^{30,32,33}	FC-AL, FC-SW	Y	
23	xSeries: x235 ¹² , x360 ¹²	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	IBM 00N6881 (QLA2200) ^{30,32,33}	FC-AL, FC-SW	Y	
24	xSeries x440 ¹²	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2}	IBM 19K1246(QLA2310) ^{3,4,5}	FC-AL, FC-SW	Y	
25	xSeries x440 ¹²	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{14,34,35} , LP10000DC-E ^{14,34,35} , LP1050-E ^{14,35,38} , LP1050DC-E ^{14,35,38}	FC-AL, FC-SW	Y	
26	xSeries x445	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{14,34,35} , LP10000DC-E ^{14,34,35} , LP1050-E ^{14,35,38} , LP1050DC-E ^{14,35,38} , LP8000-EMC ^{14,17,19,28} , LP9002-E (LP9002L-E) ^{7,14,17} , LP9802-E ^{11,13,14,15} , LP9802DC-E ^{7,11,13,14} , LP982-E ^{11,13,14,15} ; IBM: 19K1246(QLA2310) ^{3,4,5} , 24P0960(QLA2340) ^{4,5,10} ; QLogic: QLA2340-E-SP ^{4,5,9} , QLA2342-E-SP ^{4,5,9}	FC-AL, FC-SW	Y	See ⁶
27	xSeries x345 ¹²	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{14,34,35} , LP10000DC-E ^{14,34,35} , LP1050-E ^{14,35,38} , LP1050DC-E ^{14,35,38} , LP8000-EMC ^{14,17,19} , LP9002-E (LP9002L-E) ^{14,17} , LP9802-E ^{11,13,14} , LP9802DC-E ^{7,11,13,14} , LP982-E ^{11,13,14,15} ; IBM: 19K1246(QLA2310) ^{3,4,5} , 24P0960(QLA2340) ^{4,5,10} ; QLogic: QLA2340-E-SP ^{4,5,9} , QLA2342-E-SP ^{4,5,9}	FC-AL, FC-SW	Y	See ⁶
28	xSeries x440 ¹²	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	QLogic QLA2300F-E-SP ^{4,7,29}	FC-AL, FC-SW	Y	
29	xSeries: x345 ¹² , x445	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	IBM 00N6881 (QLA2200) ^{30,32,33}	FC-AL, FC-SW	Y	
30	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	QLogic QLA2310F-E-SP ^{4,5,7}	FC-AL ⁸ , FC-SW	Y	See ⁶
31	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	QLogic QLA2310F-E-SP ^{4,5,7}	FC-AL ⁸ , FC-SW	Y	See ⁶
32	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	QLogic QLA2310F-E-SP ^{4,5,7,20}	FC-AL ⁸ , FC-SW	Y	See ⁶
33	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²² , 7100, 7600; xSeries: X330 ¹² , X335, X340 (4500R) ¹² , X342 ¹² , x230, x232 ¹² , x240 ¹² , x250 ¹² , x255 ¹² , x350 (6000R) ¹²	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	QLogic QLA2310F-E-SP ^{4,5,20}	FC-AL ⁸ , FC-SW	Y	See ⁶

IBM – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
34	xSeries x370 ¹²	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ^{1,2} , Server SP3 ^{1,2} , Server SP4 ¹	QLogic QLA2310F-E-SP ^{4,5,20}	FC-AL ⁸ , FC-SW	Y	See ⁶
35	Netfinity 8500R	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2} ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	QLogic QLA2310F-E-SP ^{4,5}	FC-AL ⁸ , FC-SW	Y	See ⁶
36	Netfinity 8500	PCI	Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	QLogic QLA2310F-E-SP ^{4,5,20}	FC-AL ⁸ , FC-SW	Y	See ⁶
37	xSeries: x235 ¹² , x360 ¹²	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	QLogic QLA2310F-E-SP ^{4,5,20}	FC-AL ⁸ , FC-SW	Y	See ⁶
38	xSeries x440 ¹²	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ^{1,2} , Server SP3 ^{1,2} , Server SP4 ¹	QLogic QLA2310F-E-SP ^{4,5,20}	FC-AL ⁸ , FC-SW	Y	See ⁶
39	xSeries x440 ¹²	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2}	QLogic QLA2310F-E-SP ^{4,5}	FC-AL ⁸ , FC-SW	Y	
40	xSeries: x345 ¹² , x445	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	QLogic QLA2310F-E-SP ^{4,5,20}	FC-AL ⁸ , FC-SW	Y	See ⁶
41	eServer BladeCenter HS20 (Model: 8678) ²⁷ , 8832) ²⁷	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{24,25} , 02R9080 ^{5,23,24,25,26}	FC-SW	Y	

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- This HBA is equivalent to the qLogic QLA2310.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.3.21.
- CX200 available through selected channels.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supported by direct attach only
- PowerPath supported. ATF/CDE not supported.
- This HBA is equivalent to the qLogic QLA2340.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- For IBM xSeries Servers running Windows NT and Windows 2000 with IBM ServerRaid controller 4M, the ServerRaid Driver must be 6.00 or above for use with EMC PowerPath 3.0 and above. IBM driver can be downloaded at: <http://www-3.ibm.com/pc/support/site.wss/document.do?indocid=MIGR-39723>
- Firmware Version 1.01a2.
- Driver Version 2.21a7.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- If using ATF/CDE, requires 2.0.9 or greater.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- If using ATF/CDE, requires 2.1.6 or greater.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- This server only supports 5 Volt HBAs: qLogic 22XX family, qLogic 23XX family, Emulex LP8000, and Emulex LP850
- Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Due to the HS20's embedded FC-SW design, EMC Access Logix is required to assign LUNS to each individual blade server.
 - EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
 - Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
 - Driver Version 8.2.1.20.
 - Driver Version 8.1.5.20.
 - For IBM Netfinity and xSeries Intel servers only.
 - (QLA2200) For IBM xSeries and Netfinity servers only.
 - Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
 - Firmware Version 1.80a3.
 - Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)
 - Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.

NCR

NCR – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Worldmark 45xx	MCA	Microsoft Windows 2000 Advanced Server: SP3 ^{2,7} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2,7} , SP3 ^{2,7} , SP4 ²	Emulex: LP10000-E ^{5,17,18} , LP10000DC-E ^{5,17,18} , LP1050-E ^{5,18,19} , LP1050DC-E ^{5,18,19} , LP8000-EMC ^{5,14,15,16} , LP9002-E (LP9002L-E) ^{5,14,15} , LP9802-E ^{4,5,6} , LP9802DC-E ^{3,4,5,6} , LP982-E ^{4,5,6,13} ; QLogic: QLA2340-E-SP ^{8,9,10} , QLA2342-E-SP ^{8,9,10}	FC-AL, FC-SW	Y	See ¹
2	Worldmark: 4500, 4700, 47XX, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	PCI	Microsoft Windows 2000 Advanced Server: SP3 ^{2,7} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2,7} , SP3 ^{2,7} , SP4 ²	Emulex: LP10000-E ^{5,17,18} , LP10000DC-E ^{5,17,18} , LP1050-E ^{5,18,19} , LP1050DC-E ^{5,18,19} , LP8000-EMC ^{5,14,15,16} , LP9002-E (LP9002L-E) ^{5,14,15} , LP9802-E ^{4,5,6} , LP9802DC-E ^{3,4,5,6} , LP982-E ^{4,5,6,13} ; QLogic: QLA2340-E-SP ^{8,9,10} , QLA2342-E-SP ^{8,9,10}	FC-AL, FC-SW	Y	See ¹
3	Worldmark 45xx	MCA	Microsoft Windows 2000 Advanced Server: SP3 ^{2,7} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2,7} , SP3 ^{2,7} , SP4 ²	QLogic QLA2310F-E-SP ^{9,10,11}	FC-AL ¹² , FC-SW	Y	See ¹
4	Worldmark: 4500, 4700, 47XX, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	PCI	Microsoft Windows 2000 Advanced Server: SP3 ^{2,7} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2,7} , SP3 ^{2,7} , SP4 ²	QLogic QLA2310F-E-SP ^{9,10,11}	FC-AL ¹² , FC-SW	Y	See ¹

- CX200 available through selected channels.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Driver Version 2.21a7.
- Firmware Version 1.01a2.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- PowerPath supported. ATF/CDE not supported.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.**
- Driver Version 8.2.3.21.
- If using ATF/CDE, requires 2.1.6 or greater.
- Supported by direct attach only
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Firmware Version 3.90a7.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 1.80a3.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

NE

NE – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	P7000	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{2,3} , SP3 ^{2,3} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2,3} , SP3 ^{2,3} , SP4 ²	Emulex LP8000-EMC ^{9,10,11} ; QLogic: QLA2340-E-SP ^{4,5,6} , QLA2342-E-SP ^{4,5,6}	FC-AL, FC-SW	Y	See ¹
2	P7000	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{2,3} , SP3 ^{2,3} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2,3} , SP3 ^{2,3} , SP4 ²	QLogic QLA2310F-E-SP ^{5,6,7}	FC-AL ⁸ , FC-SW	Y	See ¹

- CX200 available through selected channels.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- PowerPath supported. ATF/CDE not supported.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.**
- Driver Version 8.2.3.21.
- If using ATF/CDE, requires 2.1.6 or greater.
- Supported by direct attach only
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Driver Version 2.21a7.

NEC

NEC – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800: 320La-R ⁸ , 320La ⁸ , 320Lb-R ⁸ , 320Lb ⁸ , 330Ma-R ⁸ , 330Mb-R ⁸ , 340Ha-R ⁸	PCI	Microsoft Windows 2000 Advanced Server SP3 ^{1,3}	NEC N8803-031 (QLA2310F) ^{5,6,7,13,16}	FC-AL, FC-SW	N	See ¹⁵
2	Express 5800 320Mc-R	PCI	Microsoft Windows 2000 Advanced Server SP3 ^{1,3,4}	NEC N8803-031 (QLA2310F) ^{5,6,26} ; QLogic QLA2310F-E-SP ^{5,6,7}	FC-AL, FC-SW	N	See ²
3	Express 5800: 320La-R ⁸ , 320La ⁸ , 320Lb-R ⁸ , 320Lb ⁸ , 330Ma-R ⁸ , 330Mb-R ⁸ , 340Ha-R ⁸	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2,3,4} , SP3 ^{1,2,3,4}	QLogic QLA2310F-E-SP ^{5,6,7}	FC-AL, FC-SW	N	
4	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹	NEC: N8190-105 ^{10,11,14} , N8503-200 ^{10,11}	FC-AL, FC-SW	Y	

NEC – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
5	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹	Emulex: LP10000-E ^{10,14,24} , LP10000DC-E ^{10,14,24} , LP1050-E ^{10,24,25} , LP1050DC-E ^{10,24,25} , LP8000-EMC ^{10,20,23} , LP9002-E (LP9002L-E) ^{10,12,13,19,20} , LP9802-E ^{10,12,21,22} , LP9802DC-E ^{10,13,21,22} , LP982-E ^{10,12,21,22} ; NEC: N8103-200 ^{9,10,11,14} , N8190-105 ^{10,11,12,13,14} , N8503-200 ^{9,10,11} ; QLogic: QLA2300F-E-SP ^{13,17} , QLA2340-E-SP ^{6,7,13} , QLA2342-E-SP ^{6,7,13}	FC-AL, FC-SW	Y	
6	Express 5800 140Ra-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹	Emulex: LP10000-E ^{10,14,24} , LP10000DC-E ^{10,14,24} , LP1050-E ^{10,24,25} , LP1050DC-E ^{10,24,25} , LP8000-EMC ^{10,20,23} , LP9002-E (LP9002L-E) ^{10,12,13,19,20} , LP9802-E ^{10,12,21,22} , LP9802DC-E ^{10,13,21,22} , LP982-E ^{10,12,21,22} ; NEC: N8103-200 ^{10,11,14} , N8190-105 ^{10,11,12,13,14} , N8503-200 ^{9,10,11} ; QLogic: QLA2300F-E-SP ^{13,17} , QLA2340-E-SP ^{6,7,13} , QLA2342-E-SP ^{6,7,13}	FC-AL, FC-SW	Y	
7	Express 5800: 120Md, 120Ra-2, 120Rc-2, 140Ha, 140Hb, 140Ma, 140Ra-7, 180Ha	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹	Emulex: LP10000-E ^{10,14,24} , LP10000DC-E ^{10,14,24} , LP1050-E ^{10,24,25} , LP1050DC-E ^{10,24,25} , LP8000-EMC ^{10,20,23} , LP9002-E (LP9002L-E) ^{10,12,13,19,20} , LP9802-E ^{10,12,21,22} , LP9802DC-E ^{10,13,21,22} , LP982-E ^{10,12,21,22} ; NEC: N8190-105 ^{10,11,12,13,14} , N8503-200 ^{9,10,11} ; QLogic: QLA2300F-E-SP ^{13,17} , QLA2340-E-SP ^{6,7,13} , QLA2342-E-SP ^{6,7,13}	FC-AL, FC-SW	Y	
8	Express 5800: 120Rd-1, 120Rd-2, 120Rf-2, 140Hd, 140Rb-4, 140Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹	Emulex: LP8000-EMC ^{10,20,23} , LP9002-E (LP9002L-E) ^{10,12,13,19,20} , LP982-E ^{10,21,22} ; NEC: N8103-200 ^{9,10,11,14} , N8190-105 ^{10,11,12,13,14} , N8503-200 ^{9,10,11}	FC-AL, FC-SW	Y	
9	Express 5800 180Rb-7	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹	Emulex: LP8000-EMC ^{10,20,23} , LP9002-E (LP9002L-E) ^{10,12,13,19,20} , LP982-E ^{10,21,22} ; NEC: N8190-105 ^{10,11,12,13,14} , N8503-200 ^{9,10,11}	FC-AL, FC-SW	Y	
10	Express 5800: 120Rd-2, 140Rb-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8103-200 ^{9,10}	FC-AL, FC-SW	Y	
11	Express 5800 140Ra-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8103-200 ¹⁰	FC-AL, FC-SW	Y	
12	Express 5800: 120Md, 120Ra-2, 120Rc-2, 140Ha, 140Hb, 140Ma, 140Ra-7, 180Ha, 180Rb-7	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8103-200 ^{10,11,14}	FC-AL, FC-SW	Y	
13	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC: N8103-200 ^{9,10} , N8103-200 ^{10,11,14}	FC-AL, FC-SW	Y	
14	Express 5800 320Mc-R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8803-031 (QLA2310F) ^{5,6,26}	FC-AL, FC-SW	N	
15	Express 5800: 320La-R ⁸ , 320La ⁸ , 320Lb-R ⁸ , 320Lb ⁸ , 330Ma-R ⁸ , 330Mb-R ⁸ , 340Ha-R ⁸	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8803-031 (QLA2310F) ^{5,6,7,13,16}	FC-AL, FC-SW	N	
16	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	NEC N8103-200 ^{9,10}	FC-AL, FC-SW	Y	
17	Express 5800 180Rc-4	PCI	Microsoft Windows 2000: Advanced Server SP2 ¹ , Server SP2 ¹	NEC N8103-200 ¹⁰	FC-AL, FC-SW	Y	
18	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server SP2 ^{1,3}	QLogic QLA2310F-E-SP ^{5,6,7,16}	FC-AL ¹⁸	Y	
19	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP3 ^{1,3} , SP4 ¹	QLogic QLA2310F-E-SP ^{5,6,7}	FC-AL ¹⁸	Y	

NEC – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
20	Express 5800: 120Md, 120Ra-2, 120Rc-2, 140Ha, 140Hb, 140Ma, 140Ra-4, 140Ra-7, 180Ha, 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1,3}, SP3^{1,3}, SP4¹ ; Microsoft Windows 2000 Server: SP2^{1,3}, SP3^{1,3}, SP4¹	QLogic QLA2310F-E-SP ^{6,7,13}	FC-AL ¹⁸ FC-SW	Y	

- EMC recommends that HBAs of different vendors not be used in the same host server.
- CX200 does not support fibre channel hubs or Quickloop. FC-AL connections are to be direct attach only.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- Refer to the Stratus, Bull or NEC documentation for hardware, software and non-storage related setup and configuration.
- Qlogic SANSurfer/SANBlade Manager is not supported.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.**
- Driver Version 8.2.3.21.
- Bus Enumeration Issue Causes Problems using SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.
By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.
The workaround is to perform "symcfg discover" after rebooting.

- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.

- Driver Version 2.21a7.
- Firmware Version 3.90a7.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- CX200 available through selected channels.
- Qlogic SanBlade Manager is not supported.
- Driver Version 8.2.1.20.
- Supported by direct attach only
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Firmware Version 1.80a3.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.

SUPERMICRO

SUPERMICRO – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Super: P3TDL ³⁶ , S2DL3 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2^{2,3}, SP3^{2,3}, SP4² ; Microsoft Windows 2000 Server: SP2^{2,3}, SP3^{2,3}, SP4²	Emulex: LP10000-E ^{7,17,18} , LP10000DC-E ^{7,17,18} , LP1050-E ^{7,18,19} , LP1050DC-E ^{7,18,19} , LP8000-EMC ^{7,15,16} , LP9002-E (LP9002L-E) ^{7,14,15} , LP9802-E ^{4,5,7,8} , LP9802DC-E ^{4,5,7,8} , LP982-E ^{4,5,7,8,14} ; QLogic: QLA2340-E-SP ^{9,10,11} , QLA2342-E-SP ^{9,10,11}	FC-AL, FC-SW	Y	See ¹
2	Super: P3TDL ³⁶ , S2DL3 ⁶	PCI	Microsoft Windows 2000 Advanced Server: SP2^{2,3}, SP3^{2,3}, SP4² ; Microsoft Windows 2000 Server: SP2^{2,3}, SP3^{2,3}, SP4²	QLogic QLA2310F-E-SP ^{10,11,12}	FC-AL ¹³ FC-SW	Y	See ¹

- CX200 available through selected channels.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- 64-bit slots for 3.3v HBAs only.
- Driver Version 2.21a7.
- Firmware Version 1.01a2.
- PowerPath supported. ATF/CDE not supported.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.**
- Driver Version 8.2.3.21.
- If using ATF/CDE, requires 2.1.6 or greater.
- Supported by direct attach only
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 1.80a3.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

Stratus

Stratus – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ftServer 6500 ^{9,13,19,20,21}	PCI	Microsoft Windows 2000 Advanced Server SP3^{1,2,3}	QLogic QLA2310F-E-SP ^{4,5,11}	FC-AL, FC-SW	N	See ⁶
2	ftServer: 3210 ^{9,12,13,14,15} , 3220 ^{9,12,13,14,15} , 3300 ^{13,16,17,18} , 5200 ^{7,8,9,10}	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1,2,3}, SP3^{1,2,3}, SP4¹	QLogic QLA2310F-E-SP ^{4,5,11}	FC-AL, FC-SW	N	See ⁶
3	ftServer: 5240 ^{9,13,19,20,21} , 5600 ^{13,22} , 6600 ^{13,22}	PCI	Microsoft Windows 2000 Advanced Server: SP3^{1,2,3}, SP4¹	QLogic QLA2310F-E-SP ^{4,5,11}	FC-AL, FC-SW	N	See ⁶

- EMC recommends that HBAs of different vendors not be used in the same host server.

2. Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
3. Refer to the Stratus, Bull or NEC documentation for hardware, software and non-storage related setup and configuration.
4. Qlogic SANSurfer/SANBlade Manager is not supported.
5. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
6. CX200 does not support fibre channel hubs or Quickloop. FC-AL connections are to be direct attach only.
7. Supports Stratus OS 1.2.2.X through 1.4.X.
8. Requires PowerPath 3.0.2.
9. Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
10. Requires Stratus ftServer OS 1.4.x.
11. Driver Version 8.2.3.21.
12. Supports Stratus OS 1.2.2.X through 2.1.X.
13. ftServer OS 2.1.x requires PowerPath 3.0.5 or greater.
14. ftServer OS 1.4.x requires PowerPath 3.0.2.
15. Requires Stratus ftServer OS 1.4.x or greater.
16. Supports Stratus OS 2.0.X through 2.1.X.
17. Requires Stratus ftServer OS 2.0.x or greater.
18. ftServer OS 2.0.x requires PowerPath 3.0.2.
19. Supports Stratus OS 1.3.X through 2.1.X.
20. Requires Stratus ftServer OS 1.4.x or 2.1.x.
21. ftServer OS 1.4 requires PowerPath 3.0.2.
22. Requires Stratus ftServer OS 2.1.x.

Unisys

Unisys – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Libra Model: 18019, 20, 185	Mainframe Bus, PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Unisys: FCH720111-P64 (LP8000-D1) ^{6,13} , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{6,13}	FC-AL, FC-SW	Y	
2	ES7000/100; ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{6,21,22} , LP10000DC-E ^{6,21,22} , LP1050-E ^{6,22,23} , LP1050DC-E ^{6,22,23} , LP8000-EMC ^{6,12,13,14} , LP9002-E (LP9002L-E) ^{6,11,12,13} ; Unisys FCH732213-P64 (LP9002L-F2) ^{6,13,18}	FC-AL, FC-SW	Y	
3	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP8000-EMC ^{6,12,13,14} , LP9002-E (LP9002L-E) ^{6,11,12,13}	FC-AL, FC-SW	Y	
4	ES7000/550	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Unisys FCH732213-P64 (LP9002L-F2) ^{6,13,18}	FC-AL, FC-SW	Y	
5	ES7000/100; ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	Emulex LP982-E ^{4,5,6,9} ; QLogic: QLA2340-E-SP ^{3,7,8} , QLA2342-E-SP ^{3,7,8}	FC-AL, FC-SW	Y	
6	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	QLogic: QLA2340-E-SP ^{3,7,8} , QLA2342-E-SP ^{3,7,8}	FC-AL, FC-SW	Y	
7	ES7000/100; ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP9802-E ^{4,5,6} , LP9802DC-E ^{3,4,5,6}	FC-AL, FC-SW	Y	
8	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex LP9802DC-E ^{3,4,5,6}	FC-AL, FC-SW	Y	
9	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{6,21,22} , LP10000DC-E ^{6,21,22} , LP1050-E ^{6,22,23} , LP1050DC-E ^{6,22,23} , LP9802-E ^{4,5,6} , LP982-E ^{4,5,6} ; Unisys FCH732213-P64 (LP9002L-F2) ^{6,13,18}	FC-AL, FC-SW	Y	
10	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000: Datacenter, SP4 ¹ , Server SP2 ^{1,2} , Server SP3 ^{1,2} , Server SP4 ¹	Unisys FCH732213-P64 (LP9002L-F2) ^{6,13,18}	FC-AL, FC-SW	Y	
11	ES2023; ES2024; ES2025; ES2043; ES2044; ES2045; ES2085; ES5024; ES5043; ES5044; ES5045; ES5085	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Unisys: FCH720111-P64 (LP8000-D1) ^{6,13} , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{6,13,18}	FC-AL, FC-SW	Y	
12	ES7000/100; ES7000/200; ES7000/230	PCI	Microsoft Windows 2000 Datacenter SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{6,9,11,12,13}	FC-AL, FC-SW	Y	See ¹⁵
13	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Datacenter SP4 ¹	Emulex: LP10000-E ^{6,21,22} , LP10000DC-E ^{6,21,22} , LP1050-E ^{6,22,23} , LP1050DC-E ^{6,22,23}	FC-AL, FC-SW	Y	
14	ES7000/100; ES7000/200; ES7000/230	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1,2,16} , SP3 ^{1,2}	Emulex LP9002-E (LP9002L-E) ^{6,9,12,13}	FC-AL, FC-SW	Y	See ¹⁵
15	ES7000/100; ES7000/200; ES7000/230	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1,2,16} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{6,21,22} , LP10000DC-E ^{6,21,22} , LP1050-E ^{6,22,23} , LP1050DC-E ^{6,22,23} , LP8000-EMC ^{6,12,13,14} ; Unisys FCH732213-P64 (LP9002L-F2) ^{6,13,18}	FC-AL, FC-SW	Y	See ¹⁵

Unisys – Microsoft Windows 2000							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
16	ES7000/550	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2, 16} , SP3 ^{1, 2} , SP4 ¹	Unisys FCH732213–P64 (LP9002L–F2) ^{6, 13, 18}	FC–AL, FC–SW	Y	See ¹⁵
17	ES7000/100	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2}	Emulex LP982–E ^{4, 5, 6}	FC–AL, FC–SW	Y	
18	ES7000/200	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2}	Emulex LP982–E ^{4, 5, 6} ; QLogic QLA2340–E–SP ^{7, 8} , QLA2342–E–SP ^{7, 8}	FC–AL, FC–SW	Y	
19	ES7000/230	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP9802–E ^{4, 5, 6, 9} , LP982–E ^{4, 5, 6, 9}	FC–AL, FC–SW	Y	
20	ES3000	PCI, PCI–X	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Professional: SP1 ¹ , SP2 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Unisys: FCH732213–P64 (LP9002L–F2) ^{6, 13} , FCH742313–P64 (LP9802) ^{5, 6, 18}	FC–AL, FC–SW	Y	
21	ES7000/100; ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F–E–SP ^{3, 7, 8}	FC–AL ¹⁰ , FC–SW	Y	
22	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	QLogic QLA2310F–E–SP ^{3, 7, 8}	FC–AL ¹⁰ , FC–SW	Y	
23	ES7000/100; ES7000/200; ES7000/230; ES7000/550	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Unisys: FCH720111–P64 (LP8000–D1) ^{6, 13} , FCH720113–P64 (LP8000–EMC, LP8000–F1) ^{6, 13, 18}	FC–AL ¹⁰ , FC–SW	Y	
24	ES7000/100; ES7000/200	PCI	Microsoft Windows 2000 Datacenter SP4 ¹	QLogic QLA2310F–E–SP ^{3, 7, 8, 17}	FC–AL ¹⁰ , FC–SW	Y	See ¹⁵
25	ES7000/100; ES7000/200	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2, 16} , SP3 ^{1, 2}	QLogic QLA2310F–E–SP ^{7, 8, 17}	FC–AL ¹⁰ , FC–SW	Y	See ¹⁵

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- Driver Version 2.21a7.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.3.21.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supported by direct attach only
- The LP9002–E now ships with the LP9002L–E low profile adapter.
- Driver Version 2.11a2. Driver for use with ATF/CDE.
- Firmware Version 3.90a7.
- The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
- CX200 available through selected channels.
- PowerPath not supported. ATF is supported only using Emulex 5–2.11a2 driver.
- If using ATF/CDE, requires 2.1.6 or greater.
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

- NOTE: LP8000/850 HBAs without –EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.
- Hardware and adapters similar to Unisys ES7000–100, ES7000–200.
 - The Libra 18x includes native MCP, and Virtual Machine for MCP (Windows MCPvm) partitions
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
 - Firmware Version 1.80a3.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.

Microsoft Windows 2003 Bull

Bull – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800: 320Lb, 320Lb–R, 330Mb–R ^{6, 7} , 340Ha–R	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	QLogic QLA2310F–E–SP ^{3, 4, 5}	FC–AL, FC–SW	N	See ¹
2	NovaScale: 4020 (Itanium2), 4040 (Itanium2), 5080 (Itanium2), 5160 (Itanium2)	PCI–X	Microsoft Windows 2003 64–Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex LP9802–E ^{8, 9, 10, 11, 12, 13}	FC–AL, FC–SW	N	

- CX200 does not support fibre channel hubs or Quickloop. FC–AL connections are to be direct attach only.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Qlogic SANSurfer/SANBlade Manager is not supported.
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Supports Stratus OS 1.3.X through 2.1.X.
- Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- PowerPath requires driver 1.01x1 with Firmware 1.01A2 and StorPORT fix Q823728
- Driver Version Emulex SCSI port driver v2.21a7.
- Driver Version Emulex StorPORT driver v1.01x1.

Dell

Dell – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge: 1550, 2450, 2500, 2550 ⁹ , 6400, 6450, 8450; PowerVault: 770N, 775N	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{2, 3, 10} , LP10000DC-E ^{2, 3, 10} , LP1050-E ^{2, 3, 10} , LP1050DC-E ^{2, 3, 10} , LP8000-EMC ^{2, 3, 7, 8} , LP9002-E (LP9002L-E) ^{2, 3, 8} , LP9802-E ^{2, 3, 4} , LP9802DC-E ^{2, 3, 4} , LP982-E ^{2, 3, 4} ; QLogic: QLA2310F-E-SP ^{5, 6} , QLA2340-E-SP ^{5, 6} , QLA2342-E-SP ^{5, 6}	FC-AL, FC-SW	Y	
2	PowerEdge 3250 (Itanium 2)	PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP10000-E ^{10, 12} , LP10000DC-E ^{10, 12} , LP1050-E ^{10, 12} , LP1050DC-E ^{10, 12} , LP9802-E ^{4, 12} , LP9802DC-E ^{4, 12} , LP982-E ^{4, 12} ; QLogic: QLA2340-E-SP ⁶ , QLA2342-E-SP ⁶	FC-AL, FC-SW	N	See ¹¹
3	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6600, 6650	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{2, 3, 10} , LP10000DC-E ^{2, 3, 10} , LP1050-E ^{2, 3, 10} , LP1050DC-E ^{2, 3, 10} , LP8000-EMC ^{2, 3, 7, 8} , LP9002-E (LP9002L-E) ^{2, 3, 8} , LP9802-E ^{2, 3, 4} , LP9802DC-E ^{2, 3, 4} , LP982-E ^{2, 3, 4} ; QLogic: QLA2310F-E-SP ^{5, 6} , QLA2340-E-SP ^{5, 6} , QLA2342-E-SP ^{5, 6}	FC-AL, FC-SW	Y	

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Firmware Version 1.01a2.
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Firmware Version 3.90a7.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- Firmware Version 1.80a3.
- No EMC Layered Applications supported on IA64 server platforms**
- Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

HPQ

HPQ – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Proliant 7000 ^{2, 12}	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex LP9002-E (LP9002L-E) ^{3, 4, 5} ; HPQ FCA2101 (LP952) ^{4, 13, 14, 15}	FC-AL, FC-SW	Y	
2	Proliant: 8500, DL320 ² , DL360(G2) ² , DL360 ² , DL380(G2) ² , DL380(G3), DL380 ² , DL580 ² , ML350(G2) ² , ML350(G3), ML350 ² , ML370(G2), ML370(G3), ML370 ² , ML530(G2) ² , ML530 ² , ML570 ² , ML750 ²	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 4, 11} , LP10000DC-E ^{3, 4, 11} , LP1050-E ^{3, 4, 11} , LP1050DC-E ^{3, 4, 11} , LP8000-EMC ^{3, 4, 5, 9} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9802-E ^{3, 4, 10} , LP9802DC-E ^{3, 4, 10} , LP982-E ^{3, 4, 10} ; HPQ: A7298A (LP982) ^{3, 4, 10} , DS-KGPSA-CA (LP8000) ^{3, 4, 5} , DS-KGPSA-CB (LP8000) ^{3, 4, 5} , DS-KGPSA-CY (LP8000) ^{3, 4, 5} , FCA2101 (LP952) ^{4, 13, 14, 15} , FCA2214 (QLA2340) ^{6, 7} , FCA2214DC (QLA2342) ^{6, 7} , FCA2384 (LP9802) ^{3, 4, 10} , FCA2404 (LP9802) ^{3, 4, 10} , FCA2404DC (LP9802DC) ^{3, 4, 10} , FCA2408 (LP982) ^{3, 4, 10} ; QLogic: QLA2310F-E-SP ^{6, 7} , QLA2340-E-SP ^{6, 7} , QLA2342-E-SP ^{6, 7}	FC-AL, FC-SW	Y	
3	Proliant 3000 ²	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP8000-EMC ^{3, 4, 5, 9} , LP9002-E (LP9002L-E) ^{3, 4, 5} ; HPQ: DS-KGPSA-CA (LP8000) ^{3, 4, 5} , DS-KGPSA-CB (LP8000) ^{3, 4, 5} , DS-KGPSA-CY (LP8000) ^{3, 4, 5} , FCA2101 (LP952) ^{4, 13, 14, 15}	FC-AL, FC-SW	Y	
4	Proliant 6500 ^{2, 12}	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP8000-EMC ^{3, 4, 5, 9} , LP9002-E (LP9002L-E) ^{3, 4, 5} ; HPQ: DS-KGPSA-CA (LP8000) ^{3, 4, 5} , DS-KGPSA-CB (LP8000) ^{3, 4, 5} , DS-KGPSA-CY (LP8000) ^{3, 4, 5} , FCA2101 (LP952) ^{4, 13, 14, 15} , FCA2214 (QLA2340) ^{6, 7} , FCA2214DC (QLA2342) ^{6, 7} ; QLogic: QLA2310F-E-SP ^{6, 7} , QLA2340-E-SP ^{6, 7} , QLA2342-E-SP ^{6, 7}	FC-AL, FC-SW	Y	
5	Proliant: BL40p, DL360(G3), DL560, DL740, DL760 (G2), DL760 ² , ML570(G2)	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 4, 11} , LP10000DC-E ^{3, 4, 11} , LP1050-E ^{3, 4, 11} , LP1050DC-E ^{3, 4, 11} , LP8000-EMC ^{3, 4, 5, 9} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9802-E ^{3, 4, 10} , LP9802DC-E ^{3, 4, 10} , LP982-E ^{3, 4, 10} ; HPQ: A7298A (LP982) ^{3, 4, 10} , DS-KGPSA-CA (LP8000) ^{3, 4, 5} , DS-KGPSA-CB (LP8000) ^{3, 4, 5} , DS-KGPSA-CY (LP8000) ^{3, 4, 5} , FCA2101 (LP952) ^{4, 13, 14, 15} , FCA2214 (QLA2340) ^{6, 7} , FCA2214DC (QLA2342) ^{6, 7} , FCA2384 (LP9802) ^{3, 4, 10} , FCA2404 (LP9802) ^{3, 4, 10} , FCA2404DC (LP9802DC) ^{3, 4, 10} , FCA2408 (LP982) ^{3, 4, 10} ; QLogic: QLA2310F-E-SP ^{6, 7} , QLA2340-E-SP ^{6, 7} , QLA2342-E-SP ^{6, 7}	FC-AL, FC-SW	Y	
6	Proliant BL20p (G2)	PCI-X ⁸	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	HPQ Dual-port mezzanine controller card ^{6, 7}	FC-AL, FC-SW	Y	
7	Integrity: RX2600 (Itanium2), RX5670 (Itanium2)	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP10000-E ¹⁷ , LP10000DC-E ¹⁷ , LP1050-E ¹⁷ , LP1050DC-E ¹⁷ , LP8000-EMC ^{5, 9, 17} , LP9002-E (LP9002L-E) ^{5, 18} , LP9002DC-E ^{5, 17} , LP9802-E ¹⁷ , LP9802DC-E ¹⁷ , LP982-E ¹⁷ ; HPQ AB232A (LP9802) ^{10, 17} ; QLogic: QLA2310F-E-SP ⁶ , QLA2340-E-SP ⁶ , QLA2342-E-SP ⁶	FC-AL, FC-SW	N	See ¹⁶

HPQ – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
8	Proliant: DL380(G2) ² , DL380(G3), DL380 ² , DL580(G2) ² , DL580(G3)	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{3, 4, 11} , LP10000DC-E ^{3, 4, 11} , LP1050-E ^{3, 4, 11} , LP1050DC-E ^{3, 4, 11} , LP8000-EMC ^{3, 4, 5, 9} , LP9002-E (LP9002L-E) ^{3, 4, 5} , LP9802-E ^{3, 4, 10} , LP9802DC-E ^{3, 4, 10} , LP982-E ^{3, 4, 10} , HPQ: A7298A (LP982) ^{3, 4, 10} , DS-KGPSA-CA (LP8000) ^{3, 4, 5} , DS-KGPSA-CB (LP8000) ^{3, 4, 5} , DS-KGPSA-CY (LP8000) ^{3, 4, 5} , FCA2101 (LP952) ^{4, 13, 14, 15} , FCA2214 (QLA2340) ^{6, 7} , FCA2214DC (QLA2342) ^{6, 7} , FCA2384 (LP9802) ^{3, 4, 10} , FCA2404 (LP9802) ^{3, 4, 10} , FCA2404DC (LP9802DC) ^{3, 4, 10} , FCA2408 (LP982) ^{3, 4, 10} , QLogic: QLA2310F-E-SP ^{6, 7} , QLA2340-E-SP ^{6, 7} , QLA2342-E-SP ^{6, 7}	FC-AL, FC-SW	Y	
9	Proliant: 6500 ^{2, 12} , 8500, DL320 ² , DL360(G2) ² , DL360 ² , DL380(G2) ² , DL380(G3), DL380 ² , DL580 ² , ML350(G2) ² , ML350(G3), ML350 ² , ML370(G2), ML370(G3), ML370 ² , ML530(G2) ² , ML530 ² , ML570 ² , ML750 ²	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	HPQ: FCA2354 (LP9002) ^{3, 4, 5} , FCA2355 (LP9002DC) ^{3, 4, 5}	FC-SW	Y	
10	Proliant: BL40p, DL360(G3), DL560, DL740, DL760 (G2), DL760 ² , ML570(G2)	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	HPQ: FCA2354 (LP9002) ^{3, 4, 5} , FCA2355 (LP9002DC) ^{3, 4, 5}	FC-SW	Y	
11	Proliant: DL380(G2) ² , DL380(G3), DL380 ² , DL580(G2) ² , DL580(G3)	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	HPQ: FCA2354 (LP9002) ^{3, 4, 5} , FCA2355 (LP9002DC) ^{3, 4, 5}	FC-SW	Y	

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Firmware Version 3.90a7.
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Dual port PCI-X fibre channel mezzanine card option is embedded. No PCI/PCI-X slots available.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Firmware Version 1.01a2.
- Firmware Version 1.80a3.
- Includes both Pentium PRO and XEON models
- Firmware Version 3.90a7. Contact HPQ for supported firmware versions for this HBA.
- Driver Version 2.21a7. EMC does not support the Emulex equivalent of the FCA2101 (LP952.) Use EMC supported driver for LP9002 from <http://www.emulex.com>.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.**
- No EMC Layered Applications supported on IA64 server platforms**
- Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Driver Version 1.01x. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

IBM

IBM – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x350 (6000R), x370	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{7, 8, 18} , LP10000DC-E ^{7, 8, 18} , LP1050-E ^{7, 8, 18} , LP1050DC-E ^{7, 8, 18} , LP8000-EMC ^{6, 7, 8, 9} , LP9002-E (LP9002L-E) ^{7, 8, 9} , LP9802-E ^{7, 8, 10} , LP9802DC-E ^{7, 8, 10} , LP982-E ^{7, 8, 10} , IBM: 19K1246(QLA2310) ^{2, 3, 5} , 24P0960(QLA2340) ^{2, 3, 4} , QLogic: QLA2310F-E-SP ^{2, 3} , QLA2340-E-SP ^{2, 3} , QLA2342-E-SP ^{2, 3}	FC-AL, FC-SW	Y	
2	xSeries: x235, x255, x360, x440	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{7, 8, 18} , LP10000DC-E ^{7, 8, 18} , LP1050-E ^{7, 8, 18} , LP1050DC-E ^{7, 8, 18} , LP8000-EMC ^{6, 7, 8, 9} , LP9002-E (LP9002L-E) ^{7, 8, 9} , LP9802-E ^{7, 8, 10} , LP9802DC-E ^{7, 8, 10} , LP982-E ^{7, 8, 10} , IBM: 19K1246(QLA2310) ^{2, 3, 5} , 24P0960(QLA2340) ^{2, 3, 4} , QLogic: QLA2310F-E-SP ^{2, 3} , QLA2340-E-SP ^{2, 3} , QLA2342-E-SP ^{2, 3}	FC-AL, FC-SW	Y	
3	eServer BladeCenter HS20 (Model: 8678) ¹⁶ , 8832 ¹⁶	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{19, 20}	FC-AL, FC-SW	Y	
4	xSeries x450	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP10000-E ^{18, 22} , LP10000DC-E ^{18, 22} , LP1050-E ^{18, 22} , LP1050DC-E ^{18, 22} , LP9802-E ^{10, 22} , LP9802DC-E ^{10, 22} , LP982-E ^{10, 22} , QLogic: QLA2340-E-SP ² , QLA2342-E-SP ²	FC-AL, FC-SW	N	See ²¹
5	xSeries: x345, x445	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{7, 8, 18} , LP10000DC-E ^{7, 8, 18} , LP1050-E ^{7, 8, 18} , LP1050DC-E ^{7, 8, 18} , LP8000-EMC ^{6, 7, 8, 9} , LP9002-E (LP9002L-E) ^{7, 8, 9} , LP9802-E ^{7, 8, 10} , LP9802DC-E ^{7, 8, 10} , LP982-E ^{7, 8, 10} , IBM: 19K1246(QLA2310) ^{2, 3, 5} , 24P0960(QLA2340) ^{2, 3, 4} , QLogic: QLA2310F-E-SP ^{2, 3} , QLA2340-E-SP ^{2, 3} , QLA2342-E-SP ^{2, 3}	FC-AL, FC-SW	Y	
6	eServer BladeCenter HS20 (Model: 8678) ¹⁶ , 8832 ¹⁶	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{11, 12, 13, 14, 15, 17} , 02R9080 ^{13, 14}	FC-SW	Y	

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- This HBA is equivalent to the qLogic QLA2340.

5. This HBA is equivalent to the qLogic QLA2310.
6. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
7. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
8. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
9. Firmware Version 3.90a7.
10. Firmware Version 1.01a2.
11. Driver Version 8.2.3.27. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
12. **Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.**
13. **Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
14. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
 Due to the HS20's embedded FC-SW design, EMC Access Logix is required to assign LUNS to each individual blade server.
16. EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
 17. Driver Version 8.2.3.21.
 18. Firmware Version 1.80a3.
 19. **Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)**
 20. **Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.**
 21. **No EMC Layered Applications supported on IA64 server platforms**
 22. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

NCR

NCR – Microsoft Windows 2003						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Worldmark 45xx	MCA	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{2, 4, 9} , LP10000DC-E ^{2, 4, 9} , LP1050-E ^{2, 4, 9} , LP1050DC-E ^{2, 4, 9} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{2, 3, 4} , LP9802-E ^{2, 4, 6} , LP9802DC-E ^{2, 4, 6} , LP982-E ^{2, 4, 6} , QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y
2	Worldmark: 4500, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{2, 4, 9} , LP10000DC-E ^{2, 4, 9} , LP1050-E ^{2, 4, 9} , LP1050DC-E ^{2, 4, 9} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{2, 3, 4} , LP9802-E ^{2, 4, 6} , LP9802DC-E ^{2, 4, 6} , LP982-E ^{2, 4, 6} , QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
3. Firmware Version 3.90a7.
4. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
5. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
6. Firmware Version 1.01a2.
7. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
8. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
9. Firmware Version 1.80a3.

NEC

NEC – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800 320Mc-R	PCI	Microsoft Windows 2003 Enterprise Edition (Advanced Server) ²	NEC N8803-031 (QLA2310F) ^{4, 7, 8, 24} , QLogic QLA2310F-E-SP ^{4, 7, 8}	FC-AL, FC-SW	N	See ²⁰
2	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4, 180Rc-4	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Emulex: LP10000-E ^{10, 11, 14} , LP10000DC-E ^{10, 11, 14} , LP1050-E ^{10, 11, 14} , LP1050DC-E ^{10, 11, 14} , LP8000-EMC ^{9, 10, 11, 12} , LP9002-E (LP9002L-E) ^{10, 11, 12} , LP9802-E ^{10, 11, 13} , LP9802DC-E ^{10, 11, 13} , LP982-E ^{10, 11, 13} , QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y	
3	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-2, 140Ha, 140Hb, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 180Ha, 180Rb-7	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	NEC N8190-105 ^{10, 11, 12, 23}	FC-AL, FC-SW	Y	
4	Express 5800: 320La-R ⁶ , 320La ⁶ , 320Lb-R ⁶ , 320Lb ⁶ , 330Ma-R ⁶ , 330Mb-R ⁶ , 340Ha-R ⁶	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	NEC N8803-031 (QLA2310F) ^{3, 4, 5, 7, 8}	FC-AL, FC-SW	N	See ¹
5	Express 5800: 320La-R ⁶ , 320La ⁶ , 320Lb-R ⁶ , 320Lb ⁶	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	NEC N8803-031 (QLA2310F) ^{7, 8}	FC-AL, FC-SW	N	
6	Express 5800: 320Lb, 320Lb-R, 330Mb-R ^{21, 22} , 340Ha-R	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	QLogic QLA2310F-E-SP ^{4, 7, 8}	FC-AL, FC-SW	N	See ²⁰
7	Express 5800: 1080Xd, 1160Xd, 1320Xd	PCI, PCI-X	Microsoft Windows 2003 64-Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	NEC: NT2007A-A001 ^{13, 17, 18, 19} , NT2010A-A00 ^{18, 16}	FC-AL, FC-SW	N	See ¹⁵

1. CX200 available through selected channels.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. Qlogic SanBlade Manager is not supported.
4. Qlogic SANSurfer/SANBlade Manager is not supported.
5. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
6. Bus Enumeration Issue Causes Problems using SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.
 By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.
 The workaround is to perform "symcfg discover" after rebooting.

7. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.

8. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
9. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
10. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
11. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
12. Firmware Version 3.90a7.
13. Firmware Version 1.01a2.
14. Firmware Version 1.80a3.
15. **No EMC Layered Applications supported on IA64 server platforms**
16. This HBA is equivalent to the qLogic QLA2340.
17. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
18. This HBA is equivalent to the Emulex LP982.
19. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
20. CX200 does not support fibre channel hubs or Quickloop. FC-AL connections are to be direct attach only.
21. Supports Stratus OS 1.3.X through 2.1.X.
22. Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
23. **EMC does not support the Emulex equivalent of N8190-105. Check with NEC on where to download the latest supported firmware and boot BIOS for this adapter.**
24. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.

Samsung

Samsung – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ES470; ES570	PCI, PCI-X	Microsoft Windows 2003 64-Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex LP982-E2, 3, 4; QLogic QLA2340-E-SP4, 5	FC-AL, FC-SW	N	See ¹

1. **No EMC Layered Applications supported on IA64 server platforms**
2. Firmware Version 1.01a2.
3. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
4. **For Windows 2003 STORPort drivers, support is limited to the following configurations: 1 HBA with 1 path to 1 SP; 2 HBAs, one with a single path to SPA and the other with a single path to SPB. Refer to HBA guides for expected device behavior. [NOTE: Powerpath not currently supported with STORPort driver.]**
5. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

Stratus

Stratus – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ftServer: 3300 ^{4, 5, 6, 7} , 5240 ^{6, 10, 11, 12, 13} , 5600 ^{6, 14, 6500^{6, 10, 11, 12, 13}}	PCI	Microsoft Windows 2003 Enterprise Edition (Advanced Server) ¹	QLogic QLA2310F-E-SP2, 8, 9	FC-AL, FC-SW	N	See ³

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. Qlogic SANSurfer/SANBlade Manager is not supported.
3. CX200 does not support fibre channel hubs or Quickloop. FC-AL connections are to be direct attach only.
4. Supports Stratus OS 2.0.X through 2.1.X.
5. ftServer OS 2.0.x requires PowerPath 3.0.2.
6. ftServer OS 2.1.x requires PowerPath 3.0.5 or greater.
7. Requires Stratus ftServer OS 2.0.x or greater.
8. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
9. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
10. Supports Stratus OS 1.3.X through 2.1.X.
11. Requires Stratus ftServer OS 1.4.x or 2.1.x.
12. ftServer OS 1.4 requires PowerPath 3.0.2.
13. Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
14. Requires Stratus ftServer OS 2.1.x.

Unisys

Unisys – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ES7000/100; ES7000/200; ES7000/230	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E2, 3, 9, LP10000DC-E2, 3, 9, LP1050-E2, 3, 9, LP1050DC-E2, 3, 9, LP8000-EMC2, 3, 4, 5, LP9002-E (LP9002L-E)2, 3, 4, LP9802-E2, 3, 6, LP9802DC-E2, 3, 6, LP982-E2, 3, 6; QLogic: QLA2310F-E-SP7, 8, QLA2340-E-SP7, 8, QLA2342-E-SP7, 8; Unisys: FCH720111-P64 (LP8000-D1)2, 3, 4, FCH720113-P64 (LP8000-EMC, LP8000-F1)2, 3, 4, FCH732213-P64 (LP9002L-F2)2, 3, 4	FC-AL, FC-SW	Y	
2	ES7000/550	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Unisys FCH732213-P64 (LP9002L-F2)2, 3, 4	FC-AL, FC-SW	Y	
3	ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Unisys FCH742313-P64 (LP9802)2, 3, 6	FC-AL, FC-SW	Y	
4	ES7000/130; ES7000/410; ES7000/420; ES7000/430	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP9802-E6, 11, LP9802DC-E6, 11, LP982-E6, 11; QLogic: QLA2340-E-SP7, QLA2342-E-SP7; Unisys FCH742313-P64 (LP9802)6, 11	FC-AL, FC-SW	N	See ¹⁰
5	ES3000	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Unisys: FCH732213-P64 (LP9002L-F2)2, 3, 4, FCH742313-P64 (LP9802)2, 3, 6	FC-AL, FC-SW	Y	

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
3. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
4. Firmware Version 3.90a7.
5. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
6. Firmware Version 1.01a2.
7. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
8. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
9. Firmware Version 1.80a3.

10. No EMC Layered Applications supported on IA64 server platforms

11. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

Microsoft Windows NT DG

DG – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	AViiON: AV8900, AV8950, AV8950R	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 6, 7, 13} , LP9002-E (LP9002L-E) ^{2, 5, 6, 7} , LP9802-E ^{2, 3, 4, 5, 8} , LP9802DC-E ^{2, 3, 4, 5} , LP982-E ^{2, 3, 4, 5, 8} , QLogic: QLA2310F-E-SP ^{9, 10, 11, 12} , QLA2340-E-SP ^{9, 10, 11} , QLA2342-E-SP ^{9, 10, 11}	FC-AL, FC-SW	Y
2	AViiON: AV1400, AV2300, AV2700, AV2800, AV3600, AV3700, AV3704, AV3704R, AV3800, AV8700	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 6, 7, 13} , LP9002-E (LP9002L-E) ^{2, 5, 6, 7} , LP9802-E ^{2, 3, 4, 5} , LP9802DC-E ^{2, 3, 4, 5} , LP982-E ^{3, 4, 5} , QLogic: QLA2310F-E-SP ^{9, 10, 11, 12} , QLA2340-E-SP ^{9, 10, 11} , QLA2342-E-SP ^{9, 10, 11}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- Driver Version 2.20a12.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Firmware Version 3.90a7.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Driver Version 8.1.5.21.
- HBA BIOS is 1.34.
- Driver/BIOS are available at <http://www.qlogic.com>
- If using ATF/CDE, requires 2.0.9 or greater.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Dell

Dell – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	PowerEdge: 4300, 4350	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{2, 3, 4, 5} , QLogic: QLA2310F-E-SP ^{6, 7, 8, 9} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
2	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2500, 2550 ^{13, 14} , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5, 10} , LP9802-E ^{4, 10, 11, 12} , LP9802DC-E ^{4, 10, 11, 12} , LP982-E ^{4, 11, 12} , QLogic: QLA2310F-E-SP ^{6, 7, 8, 9} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
3	PowerVault: 770N, 775N	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP9002-E (LP9002L-E) ^{3, 4, 5, 10} , LP9802-E ^{4, 10, 11, 12} , LP9802DC-E ^{4, 10, 11, 12} , LP982-E ^{4, 11, 12} , QLogic: QLA2310F-E-SP ^{6, 7, 8, 9} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
4	PowerEdge: 1750, 2600, 4600, 6650	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5, 10} , LP9802-E ^{4, 10, 11, 12} , LP9802DC-E ^{4, 10, 11, 12} , LP982-E ^{4, 11, 12} , QLogic: QLA2310F-E-SP ^{6, 7, 8, 9} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
5	PowerEdge 6600	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5, 10} , LP9802-E ^{4, 10, 11, 12} , LP9802DC-E ^{4, 10, 11, 12} , LP982-E ^{4, 10, 11, 12} , QLogic: QLA2310F-E-SP ^{6, 7, 8, 9} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
6	PowerEdge 2650	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 4, 5, 15} , LP9002-E (LP9002L-E) ^{3, 4, 5, 10} , LP9802-E ^{4, 10, 11, 12} , LP9802DC-E ^{4, 10, 11, 12} , LP982-E ^{4, 11, 12} , QLogic: QLA2310F-E-SP ^{6, 7, 8, 9} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Driver Version 2.20a12.
- Firmware Version 3.90a7.
- HBA BIOS is 1.34.
- Driver/BIOS are available at <http://www.qlogic.com>
- Driver Version 8.1.5.21.
- If using ATF/CDE, requires 2.0.9 or greater.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- Dell PowerEdge supports a maximum of 2 Emulex HBAs at one time and the total power cannot exceed 20 Watts.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.

HPQ

HPQ – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Netserver LH: 3000, 6000; Netserver LXR: 8000, 8500; Proliant: 1600 ^{9, 17} , 1850 ⁹ , 6400R ⁹ , 850 ⁹	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{5, 12, 13, 14} , HPQ FCA2404 (LP9802) ^{4, 5, 20} , QLogic: QLA2310F-E-SP ^{6, 7, 8, 15} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
2	Netserver LH: 3, 4, II, PRO, III; Netserver: LX PRO, LXR PRO, LXR PRO8; Proliant: 2500 ⁹ , 5000 ⁹ , 6000 ^{9, 18} , 6500 ^{9, 18} , 8000 ^{9, 18}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{5, 12, 13, 14} , QLogic: QLA2310F-E-SP ^{6, 7, 8, 15} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
3	Proliant 8000: Pro, Xeon	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{5, 12, 13, 14} , QLogic: QLA2310F-E-SP ^{6, 7, 8, 16} , QLA2340-E-SP ^{6, 7, 8, 16} , QLA2342-E-SP ^{6, 7, 8, 16}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
4	Proliant 3000 ⁹	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 12, 13, 14, 20, 21} , LP9002-E (LP9002L-E) ^{2, 5, 13, 14} , QLogic: QLA2310F-E-SP ^{6, 7, 8, 15} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
5	Netserver LC: 2000 U3, 2000R; Netserver: LPR, LT 6000R; Proliant: 8500, DL320 ⁹ , DL360(G2) ^{9, 10} , DL360 ⁹ , DL380(G2) ⁹ , DL380 ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 12, 13, 14} , LP9002-E (LP9002L-E) ^{2, 5, 13, 14} , LP9802-E ^{2, 3, 4, 5} , LP9802DC-E ^{2, 3, 4, 5} , LP982-E ^{3, 4, 5} ; HPQ FCA2404 (LP9802) ^{4, 5, 20} ; QLogic: QLA2310F-E-SP ^{6, 7, 8, 15} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
6	Proliant DL380(G3)	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 12, 13, 14} , LP9002-E (LP9002L-E) ^{2, 5, 13, 14} , LP9802-E ^{2, 3, 4, 5} , LP9802DC-E ^{2, 3, 4, 5} , LP982-E ^{3, 4, 5} ; HPQ: 176479-B21 ^{14, 19} , DS-KGPSA-CB (LP8000) ^{5, 13} , DS-KGPSA-CY (LP8000) ^{5, 13} , FCA2404 (LP9802) ^{4, 5, 20} ; QLogic: QLA2310F-E-SP ^{6, 7, 8, 15} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
7	Proliant: 5500 ^{9, 18} , 7000 ^{9, 18}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 12, 13, 14} , LP9002-E (LP9002L-E) ^{2, 5, 13, 14} ; QLogic: QLA2310F-E-SP ^{6, 7, 8, 15} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
8	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 12, 13, 14} , LP9002-E (LP9002L-E) ^{2, 5, 13, 14} , LP9802-E ^{2, 3, 4, 5} , LP9802DC-E ^{2, 3, 4, 5} , LP982-E ^{3, 4, 5} ; HPQ FCA2404 (LP9802) ^{4, 5, 20} ; QLogic: QLA2310F-E-SP ^{6, 7, 8, 15} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
9	Proliant: DL580(G2) ⁹ , DL580(G3)	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 12, 13, 14} , LP9002-E (LP9002L-E) ^{2, 5, 13, 14} , LP9802-E ^{2, 3, 4, 5} , LP9802DC-E ^{2, 3, 4, 5} , LP982-E ^{3, 4, 5} ; HPQ FCA2404 (LP9802) ^{4, 5, 20} ; QLogic: QLA2310F-E-SP ^{6, 7, 8, 15} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- Driver Version 2.20a12.
- Driver Version 8.1.5.21.
- HBA BIOS is 1.34.
- Driver/BIOS are available at <http://www.qlogic.com>
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Requires BIOS v4.01 rev A (5/17/2002) for use with Emulex HBAs.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Firmware Version 3.90a7.
- If using ATF/CDE, requires 2.0.9 or greater.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- Includes both Pentium PRO and XEON models
- Driver Version 2.20a12. Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.

IBM

IBM – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ⁶ , 7100, 7600	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{12, 15, 16, 17} , IBM: 19K1246(QLA2310) ^{2, 3, 4, 5} , 24P0960(QLA2340) ^{2, 3, 5, 13} , QLogic: QLA2310F-E-SP ^{2, 3, 5, 14} , QLA2340-E-SP ^{2, 3, 5} , QLA2342-E-SP ^{2, 3, 5}	FC-AL, FC-SW	Y
2	Netfinity 8500R; xSeries: X340 (4500R) ¹⁰ , X342 ¹⁰ , x230, x240 ¹⁰ , x250 ¹⁰ , x350 (6000R) ¹⁰ , x370 ¹⁰	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{12, 15, 16, 17} , LP9002-E (LP9002L-E) ^{7, 12, 16, 17} , LP9802-E ^{7, 8, 11, 12} , LP9802DC-E ^{7, 8, 11, 12} , LP982-E ^{8, 11, 12} ; IBM: 19K1246(QLA2310) ^{2, 3, 4, 5} , 24P0960(QLA2340) ^{2, 3, 5, 13} ; QLogic: QLA2310F-E-SP ^{2, 3, 5, 14} , QLA2340-E-SP ^{2, 3, 5} , QLA2342-E-SP ^{2, 3, 5}	FC-AL, FC-SW	Y
3	xSeries: X330 ¹⁰ , X335, x232 ¹⁰ , x255 ¹⁰	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{12, 15, 16, 17} , LP9002-E (LP9002L-E) ^{7, 12, 16, 17} , LP9802-E ^{7, 8, 11, 12} , LP9802DC-E ^{7, 8, 11, 12} , LP982-E ^{8, 11, 12} ; QLogic: QLA2310F-E-SP ^{2, 3, 5, 14} , QLA2340-E-SP ^{2, 3, 5} , QLA2342-E-SP ^{2, 3, 5}	FC-AL, FC-SW	Y
4	xSeries x235 ¹⁰	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{12, 15, 16, 17} , LP9002-E (LP9002L-E) ^{12, 16, 17, 18} , LP9802-E ^{7, 8, 11, 12} , LP9802DC-E ^{7, 8, 11, 12} , LP982-E ^{8, 11, 12} ; IBM: 19K1246(QLA2310) ^{2, 3, 4, 5} , 24P0960(QLA2340) ^{2, 3, 5, 13} ; QLogic: QLA2310F-E-SP ^{2, 3, 5, 14, 18} , QLA2340-E-SP ^{2, 3, 5, 18} , QLA2342-E-SP ^{2, 3, 5, 18}	FC-AL, FC-SW	Y
5	xSeries: x360 ¹⁰ , x440 ¹⁰	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{12, 15, 16, 17} , LP9002-E (LP9002L-E) ^{7, 12, 16, 17} , LP9802-E ^{7, 8, 11, 12} , LP9802DC-E ^{7, 8, 11, 12} , LP982-E ^{8, 11, 12} ; IBM: 19K1246(QLA2310) ^{2, 3, 4, 5} , 24P0960(QLA2340) ^{2, 3, 5, 13} ; QLogic: QLA2310F-E-SP ^{2, 3, 5, 14} , QLA2340-E-SP ^{2, 3, 5} , QLA2342-E-SP ^{2, 3, 5}	FC-AL, FC-SW	Y

IBM – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
6	xSeries x255 ¹⁰	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	IBM: 19K1246(QLA2310) ^{2, 3, 4, 5} , 24P0960(QLA2340) ^{2, 3, 5, 13}	FC-AL, FC-SW	Y
7	xSeries x345 ¹⁰	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{12, 15, 16, 17} , LP9002-E (LP9002L-E) ^{12, 16, 17, 19} , IBM: 19K1246(QLA2310) ^{2, 3, 4, 5} , 24P0960(QLA2340) ^{2, 3, 5, 13}	FC-AL, FC-SW	Y
8	xSeries x445	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{12, 15, 16, 17} , LP9002-E (LP9002L-E) ^{7, 12, 16, 17} , LP9802-E ^{7, 8, 11, 12} , LP9802DC-E ^{7, 8, 11, 12} , LP982-E ^{8, 11, 12} , IBM: 19K1246(QLA2310) ^{2, 3, 4, 5} , 24P0960(QLA2340) ^{2, 3, 5, 13} , QLogic: QLA2310F-E-SP ^{2, 3, 5, 14} , QLA2340-E-SP ^{2, 3, 5} , QLA2342-E-SP ^{2, 3, 5}	FC-AL, FC-SW	Y
9	xSeries x345 ^{9, 10}	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP9802-E ^{7, 8, 11, 12} , LP9802DC-E ^{7, 8, 11, 12} , LP982-E ^{7, 8, 11, 12}	FC-AL, FC-SW	Y
10	xSeries x345	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	QLogic: QLA2310F-E-SP ^{2, 3, 5, 18} , QLA2340-E-SP ^{2, 3, 5, 18} , QLA2342-E-SP ^{2, 3, 5, 18}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- HBA BIOS is 1.34.
- Driver/BIOS are available at <http://www.qlogic.com>
- This HBA is equivalent to the qLogic QLA2310.
- Driver Version 8.1.5.21.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- It is recommended that the QLogic QLA2340 is not installed in Slot 1.
- For IBM xSeries Servers running Windows NT and Windows 2000 with IBM ServerRaid controller 4M, the ServerRaid Driver must be 6.00 or above for use with EMC PowerPath 3.0 and above. IBM driver can be downloaded at: <http://www-3.ibm.com/pc/support/site.wss/document.do?indocid=MIGR-39723>
- Firmware Version 1.01a2.
- Driver Version 2.20a12.
- This HBA is equivalent to the qLogic QLA2340.
- If using ATF/CDE, requires 2.0.9 or greater.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Firmware Version 3.90a7.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- The LP9002-E now ships with the LP9002L-E low profile adapter.

NEC

NEC – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800: 140Ha, 140Hb, 140Ma, 140Ra-4, 180Ha	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 7} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 11} , LP9802-E ^{2, 5, 12, 13} , LP9802DC-E ^{2, 5, 12, 13} , LP982-E ^{2, 5, 12, 13} , NEC: N8190-105 ^{2, 3, 5, 6} , N8503-200 ^{2, 3, 4} , QLogic: QLA2300F-E-SP ^{6, 8, 9, 10} , QLA2310F-E-SP ^{6, 8, 9, 10} , QLA2340-E-SP ^{6, 8, 9, 10} , QLA2342-E-SP ^{6, 8, 9, 10}	FC-AL, FC-SW	Y
2	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 7} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 11} , LP9802-E ^{2, 5, 12, 13} , LP9802DC-E ^{2, 5, 12, 13} , LP982-E ^{2, 5, 12, 13} , NEC: N8190-105 ^{2, 3} , N8190-105 ^{2, 3, 5, 6} , N8503-200 ^{2, 3, 4} , QLogic: QLA2300F-E-SP ^{6, 8, 9, 10} , QLA2310F-E-SP ^{6, 8, 9, 10} , QLA2340-E-SP ^{6, 8, 9, 10} , QLA2342-E-SP ^{6, 8, 9, 10}	FC-AL, FC-SW	Y
3	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-2, 140Ra-7, 140Rb-4, 180Rb-7, 180Rc-4	PCI	Microsoft Windows NT 4.0 SP6A ¹	NEC: N8190-105 ^{2, 3} , N8503-200 ^{2, 3, 4}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Driver Version 2.20a12.
- Firmware Version 3.90a7.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Driver Version 8.1.5.21.
- HBA BIOS is 1.34.
- Driver/BIOS are available at <http://www.qlogic.com>
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Firmware Version 1.01a2.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.

Unisys

Unisys – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	ES7000/230	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 9, 10} , LP9002-E (LP9002L-E) ^{2, 5, 9} , LP9802-E ^{2, 3, 4, 5} , LP9802DC-E ² , 3, 4, 5, LP982-E ^{2, 3, 4, 5}	FC-AL, FC-SW	Y
2	ES7000/100	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 9, 10} , LP9002-E (LP9002L-E) ^{2, 5, 9} , LP9802-E ^{3, 4, 5} , LP9802DC-E ^{2, 3} , 4, 5, LP982-E ^{3, 4, 5}	FC-AL, FC-SW	Y
3	ES7000/200	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 9, 10} , LP9002-E (LP9002L-E) ^{2, 5, 9} , LP9802-E ^{3, 4, 5} , LP9802DC-E ^{2, 3} , 4, 5, LP982-E ^{3, 4, 5} , QLogic: QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- Driver Version 2.20a12.
- HBA BIOS is 1.34.

7. Driver/BIOS are available at <http://www.qlogic.com>
8. Driver Version 8.1.5.21.
9. Firmware Version 3.90a7.
10. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Novell Netware Dell

Dell – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2500, 2550 ⁴¹ , 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.00 SP6A ¹⁸ , 23, 43	QLogic: QLA2300F-E-SP ¹⁹ , 20, QLA2310F-E-SP ¹⁹ , 20, 21, QLA2340-E-SP ¹⁹ , 20, 21, QLA2342-E-SP ¹⁹ , 20, 21, 24	FC-AL, FC-SW	N
2	PowerEdge: 1550, 2500, 2550 ⁴¹	PCI	Novell Netware 5.00 SP6A ¹⁸ , 23, 43	QLogic: QLA2310F-E-SP ¹⁹ , 20, 21, QLA2340-E-SP ¹⁹ , 20, 21, QLA2342-E-SP ¹⁹ , 20, 21, 24	FC-AL, FC-SW	Y1, 2, 15, 26
3	PowerEdge: 1650, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.00 SP6A ¹⁸ , 23, 43	QLogic: QLA2310F-E-SP ¹⁹ , 20, 21, QLA2340-E-SP ¹⁹ , 20, 21, QLA2342-E-SP ¹⁹ , 20, 21, 24	FC-AL, FC-SW	Y1, 2, 15
4	PowerEdge 8450	PCI	Novell Netware 5.00 SP6A ¹⁸ , 43	QLogic QLA2200F-EMC ¹⁹ , 27, 34, 38, 39, 40	FC-AL, FC-SW	N
5	PowerEdge 1650	PCI	Novell Netware 5.00 SP6A ¹⁸ , 43	QLogic QLA2200F-EMC ²⁷ , 34	FC-AL, FC-SW	Y5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17
6	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2500, 2550 ⁴¹ , 4300, 4400, 6100, 6300, 6350, 6400, 6450	PCI	Novell Netware 5.00 SP6A ¹⁸ , 43	QLogic QLA2200F-EMC ²⁷ , 34	FC-AL, FC-SW	N
7	PowerEdge: 1550, 2400, 2450, 2500, 2550 ⁴¹ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.00 SP6A ¹⁸ , 43	QLogic QLA2200F-EMC ²⁷ , 34	FC-AL, FC-SW	Y5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
8	PowerEdge: 2300, 6400	PCI	Novell Netware 5.10 SP2A ¹⁸	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	N
9	PowerEdge: 1550, 2500	PCI	Novell Netware 5.10 SP2A ¹⁸	QLogic: QLA2310F-E-SP ¹⁹ , 20, 21, 22, QLA2340-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 15, 17, 26
10	PowerEdge: 1650, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10 SP2A ¹⁸	QLogic: QLA2310F-E-SP ¹⁹ , 20, 21, 22, QLA2340-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 15, 17
11	PowerEdge 2550 ⁴¹	PCI	Novell Netware 5.10 SP5 ⁴ , 18	QLogic QLA2340-E-SP ²⁰ , 21, 22	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26, 28
12	PowerEdge 8450	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ¹⁹ , 20, 21, 22, 24, 42	FC-AL, FC-SW	N
13	PowerEdge 1650	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ¹⁹ , 20, 21, 22, 42	FC-AL, FC-SW	Y1, 2, 5, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
14	PowerEdge 2550 ⁴¹	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ¹⁹ , 20, 21, 22, 42	FC-AL, FC-SW	Y1, 2, 15, 17, 26
15	PowerEdge: 1550, 2500	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ¹⁹ , 20, 21, 22, 42	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26, 28
16	PowerEdge: 2300, 6400; PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ¹⁹ , 20, 21, 22, 42	FC-AL, FC-SW	N
17	PowerEdge: 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ¹⁹ , 20, 21, 22, 42	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
18	PowerEdge 2550 ⁴¹	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ²⁰ , 21, 22, 42	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26, 28
19	PowerEdge 8450	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP2 ¹⁸	QLogic: QLA2200F-EMC ¹⁹ , 22, 27, QLA2310F-E-SP ¹⁹ , 20, 21, 22, QLA2340-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	N
20	PowerEdge 8450	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP2 ¹⁸ , SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, SP2 ¹⁸ , 23, SP3 ²³ ; Novell Netware 6.5 ²³ , 48	IBM 19K1246(QLA2310) ²⁹ , 30, 31, 32	FC-AL, FC-SW	N
21	PowerEdge 2550 ⁴¹	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸	QLogic QLA2340-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 15, 17, 26
22	PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ , Novell Netware 6.0: SP1 ¹⁸ , 23, 25, SP2 ¹⁸ , 23, SP3 ²³	QLogic QLA2340-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	N
23	PowerEdge 2550 ⁴¹	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ , SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2342-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 15, 17, 26
24	PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ , SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 25, SP2 ¹⁸ , 23, SP3 ²³	QLogic: QLA2310F-E-SP ¹⁹ , 20, 21, 22, QLA2342-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	N

Dell – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
25	PowerEdge: 1650, 2300, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ , SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 25, SP2 ¹⁸ , 23, SP3 ²³ ; Novell Netware 6.5 ²³ , 48	QLogic QLA2300F-E-SP ¹⁹ , 20, 22	FC-AL, FC-SW	N
26	PowerEdge: 2300, 6400	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ⁴ , 18; Novell Netware 6.0: SP1 ¹⁸ , 23, 25, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2340-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	N
27	PowerEdge 2550 ⁴¹	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ⁴ , 18, SP6	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 15, 17, 26
28	PowerEdge: 1650, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 25, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2342-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 15, 17
29	PowerEdge: 2300, 6400, 8450	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 25, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2342-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	N
30	PowerEdge: 1550, 2500	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2342-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 15, 17, 26
31	PowerEdge 8450	PCI	Novell Netware 5.10: SP5 ⁴ , 18, SP6	QLogic QLA2200F-EMC ¹⁹ , 22, 27, 34, 38, 39, 40	FC-AL, FC-SW	N
32	PowerEdge 2550 ⁴¹	PCI	Novell Netware 5.10: SP5 ⁴ , 18, SP6	QLogic QLA2310F-E-SP ²⁰ , 21, 22, 24	FC-AL, FC-SW	Y1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26
33	PowerEdge 1650	PCI	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 25, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17
34	PowerEdge: 2300, 6400, 8450	PCI	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 25, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	N
35	PowerEdge: 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 25, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
36	PowerEdge 1650	PCI	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2200F-EMC ²² , 27, 34	FC-AL, FC-SW	Y5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17
37	PowerEdge: 1550, 2400, 2450, 2500, 2550 ⁴¹ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2200F-EMC ²² , 27, 34	FC-AL, FC-SW	Y5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
38	PowerEdge: 1550, 2500	PCI	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26
39	PowerEdge: 2300, 6400	PCI	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³ ; Novell Netware 6.5 ²³ , 48	QLogic QLA2200F-EMC ²² , 27, 34	FC-AL, FC-SW	N
40	PowerEdge 2550 ⁴¹	PCI	Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26
41	PowerEdge 2550 ⁴¹	PCI	Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2340-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26, 28
42	PowerEdge 8450	PCI	Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³ ; Novell Netware 6.5 ²³ , 48	QLogic QLA2200F-EMC ¹⁹ , 22, 27, 34, 38	FC-AL, FC-SW	N
43	PowerEdge: 1550, 1650, 2400, 2450, 2500, 2550 ⁴¹ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 6.5 ²³ , 48	QLogic: QLA2200F-EMC ²² , 27, 34 QLA2310F-E-SP ¹⁹ , 20, 21, 22, 24, 49 QLA2340-E-SP ²¹ , 22, 49, 50, QLA2342-E-SP ²¹ , 22, 49	FC-AL, FC-SW	N
44	PowerEdge: 2300, 6400, 8450	PCI	Novell Netware 6.5 ²³ , 48	QLogic: QLA2310F-E-SP ¹⁹ , 20, 21, 22, 24, 49 QLA2340-E-SP ²¹ , 22, 49, 50, QLA2342-E-SP ²¹ , 22, 49	FC-AL, FC-SW	N
45	PowerVault: 750N, 755N, 775N	PCI	Novell Netware 6.5 ²³ , 48	QLogic: QLA2310F-E-SP ¹⁹ , 20, 21, 22, 49 QLA2340-E-SP ²¹ , 22, 49, 50, QLA2342-E-SP ²¹ , 22, 49	FC-AL, FC-SW	N
46	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2550 ⁴¹ , 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Novell Netware: 5.00 SP6A ¹⁸ , 23, 43, 5.10 SP2A ¹⁸ , 5.10 SP5 ¹⁸ , 5.10 SP6, 6.0 SP1 ¹⁸ , 23, 25, 6.0 SP2 ¹⁸ , 23, 6.0 SP3 ²³ , 6.5 ²³ , 48	Emulex LP9002-E (LP9002L-E) ⁴⁴ , 45, 46	FC-AL, FC-SW	N
47	PowerEdge 2500	PCI	Novell Netware: 5.00 SP6A ¹⁸ , 23, 43, 5.10 SP2A ¹⁸ , 5.10 SP2 ¹⁸ , 6.0 SP1 ¹⁸ , 23, 6.0 SP2 ¹⁸ , 23, 6.0 SP3 ²³ , 6.5 ²³ , 48	Emulex LP9002-E (LP9002L-E) ⁴⁵ , 46	FC-AL, FC-SW	N
48	PowerEdge 8450	PCI	Novell Netware: 5.00 SP6A ¹⁸ , 43, 5.10 SP2A ¹⁸ , 5.10 SP2 ¹⁸ , 5.10 SP5 ⁴ , 18, 5.10 SP6, 6.0 SP1 ¹⁸ , 23, 35, 6.0 SP2 ¹⁸ , 23, 35, 6.0 SP3 ²³ , 6.5 ²³ , 48	QLogic QLA2202F-EMC ⁵ , 16, 19, 27, 34, 37, 38, 40, 47	FC-AL, FC-SW	N
49	PowerEdge 8450	PCI	Novell Netware: 5.00 SP6A ¹⁸ , 43, 5.10 SP2A ¹⁸ , 5.10 SP2 ¹⁸ , 5.10 SP5 ⁴ , 18, 5.10 SP6, 6.0 SP1 ¹⁸ , 23, 6.0 SP2 ¹⁸ , 23, 6.0 SP3 ²³ , 6.5 ²³ , 48	IBM 00N6881 (QLA2200) ²⁹ , 30, 32, 33	FC-AL, FC-SW	N
50	PowerEdge 1650	PCI	Novell Netware: 5.00 SP6A ¹⁸ , 43, 5.10 SP5 ⁴ , 18, 5.10 SP6, 6.0 SP1 ¹⁸ , 23, 35, 6.0 SP2 ¹⁸ , 23, 35, 6.0 SP3 ²³	QLogic QLA2202F-EMC ⁵ , 16, 19, 27, 34, 37, 38, 40, 47	FC-AL, FC-SW	Y5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17

Dell – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
51	PowerEdge: 1550, 2400, 2450, 2500, 2550 ⁴¹ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware: 5.00 SP6A ^{18, 43} , 5.10 SP5 ^{4, 18} , 5.10 SP6, 6.0 SP1 ^{18, 23, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 38, 40, 47}	FC-AL, FC-SW	Y5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
52	PowerEdge: 2300, 6400	PCI	Novell Netware: 5.00 SP6A ^{18, 43} , 5.10 SP5 ^{4, 18} , 5.10 SP6, 6.0 SP1 ^{18, 23, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³ , 6.5 ^{23, 48}	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 38, 40, 47}	FC-AL, FC-SW	N
53	PowerEdge: 1550, 1650, 2400, 2450, 2500, 2550 ⁴¹ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware: 5.00 SP6A ^{18, 43} , 6.5 ^{23, 48}	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 38, 40, 47}	FC-AL, FC-SW	N
54	PowerEdge: 1550, 2500, 2550 ⁴¹	PCI	Novell Netware: 5.10 SP2A ¹⁸ , 6.0 SP1 ^{18, 23} , 6.0 SP2 ^{18, 23} , 6.0 SP3 ²³ , 6.5 ^{23, 48}	QLogic QLA2300F-E-SP ^{19, 20, 22}	FC-AL, FC-SW	N
55	PowerEdge 1650	PCI	Novell Netware: 5.10 SP5 ^{4, 18} , 6.0 SP1 ^{18, 23, 25, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 5, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
56	PowerEdge: 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware: 5.10 SP5 ^{4, 18} , 6.0 SP1 ^{18, 23, 25, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
57	PowerEdge 8450	PCI	Novell Netware: 5.10 SP5 ^{4, 18} , 6.0 SP1 ^{18, 23, 25, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{19, 20, 21, 22, 24}	FC-AL, FC-SW	N
58	PowerEdge: 1550, 2500	PCI	Novell Netware: 5.10 SP5 ^{4, 18} , 6.0 SP1 ^{18, 23, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26, 28
59	PowerEdge: 1750, 2600, 2650, 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{18, 23, 43}	QLogic: QLA2300F-E-SP ^{19, 20} , QLA2310F-E-SP ^{19, 20, 21} , QLA2340-E-SP ^{19, 20, 21} , QLA2342-E-SP ^{19, 20, 21, 24}	FC-AL, FC-SW	N
60	PowerEdge: 1750, 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{18, 23, 43}	QLogic: QLA2310F-E-SP ^{19, 20, 21} , QLA2340-E-SP ^{19, 20, 21} , QLA2342-E-SP ^{19, 20, 21, 24}	FC-AL, FC-SW	Y1, 2, 15
61	PowerEdge: 2600, 2650	PCI-X	Novell Netware 5.00 SP6A ^{18, 23, 43}	QLogic: QLA2310F-E-SP ^{19, 20, 21} , QLA2340-E-SP ^{19, 20, 21} , QLA2342-E-SP ^{19, 20, 21, 24}	FC-AL, FC-SW	Y1, 2, 15, 26
62	PowerEdge 1750	PCI-X	Novell Netware 5.00 SP6A ^{18, 43}	QLogic QLA2200F-EMC ^{27, 34}	FC-AL, FC-SW	Y5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17
63	PowerEdge: 1750, 2600, 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{18, 43}	QLogic QLA2200F-EMC ^{27, 34}	FC-AL, FC-SW	N
64	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{18, 43}	QLogic QLA2200F-EMC ^{27, 34, 37}	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
65	PowerEdge 2650	PCI-X	Novell Netware 5.00 SP6A ^{18, 43}	QLogic QLA2200F-EMC ^{5, 16, 27, 34, 37}	FC-AL, FC-SW	N, Y4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17
66	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{18, 43}	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 38, 40, 47}	FC-AL, FC-SW	Y4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
67	PowerEdge 2600	PCI-X	Novell Netware 5.10 SP2A ¹⁸	QLogic QLA2310F-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 15, 17, 26
68	PowerEdge 2650	PCI-X	Novell Netware 5.10 SP2A ¹⁸	QLogic: QLA2310F-E-SP ^{19, 20, 21, 22} , QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 15, 17, 26
69	PowerEdge: 1750, 4600, 6600	PCI-X	Novell Netware 5.10 SP2A ¹⁸	QLogic: QLA2310F-E-SP ^{19, 20, 21, 22} , QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 15, 17
70	PowerEdge 6650	PCI-X	Novell Netware 5.10 SP5 ^{4, 18}	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
71	PowerEdge 1750	PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{19, 20, 21, 22, 42}	FC-AL, FC-SW	Y1, 2, 5, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
72	PowerEdge 2600	PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{19, 20, 21, 22, 42}	FC-AL, FC-SW	Y1, 2, 15, 17, 26
73	PowerEdge 2650	PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{19, 20, 21, 22, 42}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26, 28
74	PowerEdge 6650	PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{19, 20, 21, 22, 42}	FC-AL, FC-SW	Y1, 2, 15, 17
75	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{19, 20, 21, 22, 42}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
76	PowerEdge 2600	PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{20, 21, 22, 42}	FC-AL, FC-SW	N
77	PowerEdge 6650	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ , Novell Netware 6.0: SP1 ^{18, 23, 25} , SP2 ^{18, 23} , SP3 ²³	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 15, 17
78	PowerEdge 6650	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ , SP5 ^{4, 18} , SP6; Novell Netware 6.0: SP1 ^{18, 23, 25} , SP1 ^{18, 23, 35} , SP2 ^{18, 23} , SP2 ^{18, 23, 35} , SP3 ²³	QLogic QLA2342-E-SP ^{19, 20, 21, 22, 24}	FC-AL, FC-SW	Y1, 2, 15, 17
79	PowerEdge 6650	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ , SP6; Novell Netware 6.0: SP1 ^{18, 23, 25} , SP2 ^{18, 23} , SP3 ²³	QLogic QLA2310F-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 15, 17

Dell – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
80	PowerEdge: 1750, 2650, 4600	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ , SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 25, SP2 ¹⁸ , 23, SP3 ²³ ; Novell Netware 6.5 ²³ , 48	QLogic QLA2300F-E-SP ¹⁹ , 20, 22	FC-AL, FC-SW	N
81	PowerEdge: 6600, 6650	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ , SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, SP2 ¹⁸ , 23, SP3 ²³ ; Novell Netware 6.5 ²³ , 48	QLogic QLA2300F-E-SP ¹⁹ , 20, 22	FC-AL, FC-SW	N
82	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ⁴ , 18; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2340-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 15, 17, 26
83	PowerEdge 2650	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 25, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2342-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 15, 17, 26
84	PowerEdge: 1750, 4600, 6600	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 25, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2342-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 15, 17
85	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2342-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 15, 17, 26
86	PowerEdge 2650	PCI-X	Novell Netware 5.10: SP5 ¹⁸ , 35, 36, SP6	QLogic QLA2200F-EMC ⁵ , 16, 22, 27, 34, 37	FC-AL, FC-SW	Y4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17
87	PowerEdge 2650	PCI-X	Novell Netware 5.10: SP5 ¹⁸ , SP6	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26
88	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 5.10: SP5 ¹⁸ , SP6	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
89	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 5.10: SP5 ¹⁸ , SP6	QLogic: QLA2200F-EMC ²² , 27, QLA2202F-EMC ⁵ , 16, 19, 27, 34, 37, 38, 40, 47	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
90	PowerEdge 1750	PCI-X	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 25, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17
91	PowerEdge 1750	PCI-X	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2200F-EMC ²² , 27, 34	FC-AL, FC-SW	Y5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17
92	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 15, 17, 26
93	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2310F-E-SP ²⁰ , 21, 22, 24	FC-AL, FC-SW	N
94	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³ ; Novell Netware 6.5 ²³ , 48	QLogic QLA2200F-EMC ²² , 27, 34	FC-AL, FC-SW	N
95	PowerEdge 6650	PCI-X	Novell Netware 6.0 SP1 ¹⁸ , 23	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
96	PowerEdge: 4600, 6600	PCI-X	Novell Netware 6.0 SP1 ¹⁸ , 23, 25	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
97	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 6.0 SP1 ¹⁸ , 23, 35, 36	QLogic: QLA2200F-EMC ⁵ , 16, 22, 27, 34, 37, QLA2202F-EMC ⁵ , 16, 19, 27, 34, 37, 38, 40, 47	FC-AL, FC-SW	Y6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17
98	PowerEdge 2650	PCI-X	Novell Netware 6.0: SP1 ¹⁸ , 23, 25, SP2 ¹⁸ , 23, SP3 ²³	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26
99	PowerEdge 2650	PCI-X	Novell Netware 6.0: SP1 ¹⁸ , 23, 35, 36, SP2 ¹⁸ , 23, 35, 36, SP3 ²³	QLogic: QLA2200F-EMC ⁵ , 16, 22, 27, 34, 37, QLA2202F-EMC ⁵ , 16, 19, 27, 34, 37, 38, 40, 47	FC-AL, FC-SW	Y6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17
100	PowerEdge 6650	PCI-X	Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2340-E-SP ²⁰ , 21, 22	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
101	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 6.0: SP2 ¹⁸ , 23, SP3 ²³	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
102	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 6.0: SP2 ¹⁸ , 23, SP3 ²³	QLogic: QLA2200F-EMC ²² , 27, 34, QLA2202F-EMC ⁵ , 16, 19, 27, 34, 37, 38, 40, 47	FC-AL, FC-SW	Y5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17

Dell - Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
103	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 6.0: SP2 ^{18, 23} , SP3 ²³ ; Novell Netware 6.5 ^{23, 48}	IBM 19K1246(QLA2310) ^{29, 30, 31, 32}	FC-AL, FC-SW	N
104	PowerEdge 6650	PCI-X	Novell Netware 6.5 ^{23, 48}	QLogic: QLA2200F-EMC ^{22, 27, 34} QLA2310F-E-SP ^{19, 20, 21, 22, 24, 49} QLA2310F-E-SP ^{19, 20, 21, 22, 49} QLA2340-E-SP ^{21, 22, 49, 50} , QLA2342-E-SP ^{21, 22, 49}	FC-AL, FC-SW	N
105	PowerEdge: 1750, 4600, 6600	PCI-X	Novell Netware 6.5 ^{23, 48}	QLogic: QLA2200F-EMC ^{22, 27, 34} QLA2310F-E-SP ^{19, 20, 21, 22, 24, 49} QLA2340-E-SP ^{21, 22, 49, 50} , QLA2342-E-SP ^{21, 22, 49}	FC-AL, FC-SW	N
106	PowerEdge 2650	PCI-X	Novell Netware 6.5 ^{23, 48}	QLogic: QLA2200F-EMC ^{5, 16, 22, 27, 34, 37} QLA2310F-E-SP ^{19, 20, 21, 22, 49} QLA2340-E-SP ^{21, 22, 49, 50} , QLA2342-E-SP ^{21, 22, 49}	FC-AL, FC-SW	N
107	PowerEdge 2600	PCI-X	Novell Netware 6.5 ^{23, 48}	QLogic: QLA2310F-E-SP ^{19, 20, 21, 22, 24, 49} QLA2340-E-SP ^{21, 22, 49, 50} , QLA2342-E-SP ^{21, 22, 49}	FC-AL, FC-SW	N
108	PowerEdge: 1750, 2600, 2650, 4600, 6600, 6650	PCI-X	Novell Netware: 5.00 SP6A ^{18, 23, 43} , 5.10 SP2A ¹⁸ , 5.10 SP5 ¹⁸ , 5.10 SP6, 6.0 SP1 ^{18, 23, 25} , 6.0 SP2 ^{18, 23} , 6.0 SP3 ²³ , 6.5 ^{23, 48}	Emulex LP9002-E (LP9002L-E) ^{44, 45, 46}	FC-AL, FC-SW	N
109	PowerEdge 2650	PCI-X	Novell Netware: 5.00 SP6A ^{18, 43} , 5.10 SP5 ^{18, 35, 36} , 5.10 SP6	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 38, 40, 47}	FC-AL, FC-SW	Y4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17
110	PowerEdge 1750	PCI-X	Novell Netware: 5.00 SP6A ^{18, 43} , 5.10 SP5 ^{4, 18} , 5.10 SP6, 6.0 SP1 ^{18, 23, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 38, 40, 47}	FC-AL, FC-SW	Y5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17
111	PowerEdge 2600	PCI-X	Novell Netware: 5.00 SP6A ^{18, 43} , 5.10 SP5 ^{4, 18} , 5.10 SP6, 6.0 SP1 ^{18, 23, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³ , 6.5 ^{23, 48}	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 38, 40, 47}	FC-AL, FC-SW	N
112	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware: 5.00 SP6A ^{18, 43} , 6.0 SP2 ^{18, 23} , 6.0 SP3 ²³ , 6.5 ^{23, 48}	IBM 00N6881 (QLA2200) ^{29, 30, 32, 33}	FC-AL, FC-SW	N
113	PowerEdge: 1750, 2650, 4600, 6600, 6650	PCI-X	Novell Netware: 5.00 SP6A ^{18, 43} , 6.5 ^{23, 48}	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 38, 40, 47}	FC-AL, FC-SW	N
114	PowerEdge 2600	PCI-X	Novell Netware: 5.10 SP2A ¹⁸ , 6.0 SP1 ^{18, 23} , 6.0 SP2 ^{18, 23} , 6.0 SP3 ²³ , 6.5 ^{23, 48}	QLogic QLA2300F-E-SP ^{19, 20, 22}	FC-AL, FC-SW	N
115	PowerEdge 1750	PCI-X	Novell Netware: 5.10 SP5 ^{4, 18} , 6.0 SP1 ^{18, 23, 25, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 5, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
116	PowerEdge 2650	PCI-X	Novell Netware: 5.10 SP5 ^{4, 18} , 6.0 SP1 ^{18, 23, 25, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26, 28
117	PowerEdge: 4600, 6600	PCI-X	Novell Netware: 5.10 SP5 ^{4, 18} , 6.0 SP1 ^{18, 23, 25, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
118	PowerEdge 2600	PCI-X	Novell Netware: 5.10 SP5 ^{4, 18} , 6.0 SP1 ^{18, 23, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{20, 21, 22}	FC-AL, FC-SW	N

- Edit config.sys with the following: Files=100 Buffers=99
- When installing NetWare for fabric boot (when operating system is not installed in the local host) on the Symmetrix, create only one LUN and then perform the install. To install a second server that will be fabric boot, repeat the process by creating one additional LUN and then loading the operating system to it. Continue this process until the desired number of fabric boot servers have been reached. Conditions exist where several LUNs are initially created and you perform your first install, NetWare will sometimes acquire and stripe the operating system across several of the newly created LUNs.
- FC-SW applies only to CX600, CX400, CX200, FC4500, FC4700 and FC5300. FC5300 with FC-SW available from selected channels.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- Novell Storage Services supported.
- Powerpath & ATF supported.
- FC-SW environments using Brocade 2800 or EMC DS-16B require switch firmware 2.5.0d or greater.
- Remote boot not supported with PERC controllers enabled in system BIOS.
- Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- To enable failover with fabric boot DOSFAT.NSS must be loaded from the autoexec.ncf. In a failed condition the c:\ partition will not failover correctly but the DOSFAT_C: partition will.
- PowerPath and ATF supported.
- NetWare boot support is contingent on migration of the DOS boot partition to an NSS partition. NetWare will warn you of the possibility of data corruption if you convert the DOS boot partition to an NSS partition. The risk of data corruption is during I/O to the C: drive while in the NetWare debugger, or while writing reboot log files during an "Auto Restart After Abend". When you load DOSFAT, please set "Auto Restart After Abend" to 0 to avoid the possibility of data corruption.
- Maximum number of NWFS volumes that can be mounted is 64.
- Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
- Driver Version v6.51a.
- Driver Version 6.51a.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- Support for CX600, CX400, FC4500, FC4700, and FC5300. (FC5300 requires copper to Fibre transceiver.)
- PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.
- DOS boot device maximum accessible capacity is 2GB. Netware SYS volume must be in LUN 0.
- Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.
- PowerPath supported. ATF/CDE not supported.
- Driver Version 6.50v.
- Driver Version 6.v. Supports persistent binding and only supports Class 3.
- This HBA is equivalent to the qLogic QLA2310.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- (QLA2200) For IBM xSeries and Netfinity servers only.
- Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.**
- HPQ Proliant servers with ATF and Powerpath requires use of SCSIHD in place of CPQSHD.
- For ATF on Pre CX series, Multipath support or connections to the secondary port are not supported at this time. One path per SP, 2 HBAs per host.
- CX200 available through selected channels.
- Requires HBA bios 1.83.**
- 39.

Requires HBA firmware revision 1.83, available at <http://www.qlogic.com>
 Requires SP4 or higher for NetWare 5.00.

40. Driver installation with NetWare 5.0 SP6A: Do not load cpmpmk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-ESC>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
41. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
42. **FC-AL for CX200 requires the following:**
 If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
43. Requires NWPA.NLM V.3.07A update from Novell website.
44. PowerPath not currently supported.
45. Requires BIOS version 2.02e.
46. Driver Version 3.90a7.
47. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
48. **QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
49. Firmware Version 1.34.
50. FC-AL for CX200, If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.

HPQ

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR PRO, LXR PRO8; Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 8000 ^{31, 32} , 8500, 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3) ³¹ , DL380(G3) ²⁸ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3) ³¹ , ML350 ³¹ , ML370(G2) ³¹ , ML370(G3) ³¹ , ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.00 SP6A ^{16, 25, 35}	QLogic: QLA2300F-E-SP ^{18, 20} , QLA2310F-E-SP ^{18, 20, 21} , QLA2340-E-SP ^{18, 20, 21} , QLA2342-E-SP ^{18, 19, 20, 21}	FC-AL, FC-SW	N
2	Netserver LH: (LH Pro), 4, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 8000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3) ³¹ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3) ³¹ , ML350 ³¹ , ML370(G2) ³¹ , ML370(G3) ³¹ , ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.00 SP6A ^{16, 25, 35}	QLogic: QLA2310F-E-SP ^{18, 20, 21} , QLA2340-E-SP ^{18, 20, 21} , QLA2342-E-SP ^{18, 19, 20, 21}	FC-AL, FC-SW	Y1, 2, 13
3	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 8000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3) ³¹ , DL380(G3) ²⁸ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3) ³¹ , ML350 ³¹ , ML370(G2) ³¹ , ML370(G3) ³¹ , ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2200F-EMC ^{23, 24}	FC-AL, FC-SW	N
4	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 8500, 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3) ³¹ , DL380(G3) ²⁸ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3) ³¹ , ML350 ³¹ , ML370(G2) ³¹ , ML370(G3) ³¹ , ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2200F-EMC ^{23, 24}	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
5	Netserver LC: 2000 U3, 2000r	PCI	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2200F-EMC ²⁴	FC-AL, FC-SW	N
6	Netserver LH PRO	PCI	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2200F-EMC ^{24, 29}	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17
7	Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2200F-EMC ^{24, 29}	FC-AL, FC-SW	N
8	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2200F-EMC ^{24, 29}	FC-AL, FC-SW	Y4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
9	Netserver LH PRO	PCI	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2202F-EMC ^{4, 14, 18, 23, 24, 29, 39, 40, 41}	FC-AL, FC-SW	Y4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17
10	Netserver LH: 3, 3000, 6000; Proliant: 8000 ^{31, 32} , 8500	PCI	Novell Netware 5.10 SP2A ¹⁶	QLogic QLA2310F-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	N
11	Netserver: LH (LH Pro), LT 6000R	PCI	Novell Netware 5.10 SP2A ¹⁶	QLogic QLA2310F-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 13, 15
12	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 8000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3) ³¹ , DL380(G3) ²⁸ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3) ³¹ , ML350 ³¹ , ML370(G2) ³¹ , ML370(G3) ³¹ , ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.10 SP2A ¹⁶	QLogic: QLA2310F-E-SP ^{18, 20, 21, 22} , QLA2340-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 13, 15
13	Proliant ML750 ³¹	PCI	Novell Netware 5.10 SP5 ¹⁶	QLogic QLA2340-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 13, 15, 28
14	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3) ³¹ , DL380 ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3) ³¹ , ML350 ³¹ , ML370(G2) ³¹ , ML370(G3) ³¹ , ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.10 SP5 ^{16, 17}	QLogic QLA2340-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
15	Proliant DL380(G3) ²⁸	PCI	Novell Netware 5.10 SP5 ^{16, 17}	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
16	Proliant 8500	PCI	Novell Netware 5.10 SP5 ^{16, 17}	QLogic QLA2340-E-SP ^{20, 21, 22}	FC-AL, FC-SW	Y3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
17	Proliant DL580(G2) ³¹	PCI	Novell Netware 5.10 SP5 ^{16, 17}	QLogic QLA2340-E-SP ^{20, 21, 22}	FC-AL, FC-SW	Y1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
18	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 6000, PRO; Proliant: 8000 ^{31, 32} , 8500	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{18, 20, 21, 22, 34}	FC-AL, FC-SW	N

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
19	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP18, 20, 21, 22, 34	FC-AL, FC-SW	Y1, 2, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
20	Netserver: LH (LH Pro), LT 6000R	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP18, 20, 21, 22, 34	FC-AL, FC-SW	Y1, 2, 13, 15
21	Proliant ML750 ³¹	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP18, 20, 21, 22, 34	FC-AL, FC-SW	Y1, 2, 13, 15, 28
22	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380 ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP18, 20, 21, 22, 34	FC-AL, FC-SW	Y1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
23	Proliant DL380(G3) ²⁸	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP19, 20, 21, 22, 34	FC-AL, FC-SW	Y1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
24	Netserver LH PRO	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP20, 21, 22, 34	FC-AL, FC-SW	Y4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
25	Netserver: LH (LH Pro), LT 6000R	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP20, 21, 22, 34	FC-AL, FC-SW	N
26	Proliant 8500	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP20, 21, 22, 34	FC-AL, FC-SW	Y3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
27	Proliant DL580(G2) ³¹	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP20, 21, 22, 34	FC-AL, FC-SW	Y1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
28	Netserver LH: 3, 3000, 6000, PRO; Proliant: 8000 ^{31, 32} , 8500	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ^{16, 17} ; Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic QLA2340-E-SP18, 20, 21, 22	FC-AL, FC-SW	N
29	Netserver: LH (LH Pro), LT 6000R	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ^{16, 17} ; Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic QLA2340-E-SP18, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15
30	Netserver LC 2000r	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ^{16, 17} ; Novell Netware 6.0: SP1 ¹⁶ , 25, SP2 ^{16, 25} , SP3 ²⁵	QLogic QLA2340-E-SP18, 20, 21, 22	FC-AL, FC-SW	N
31	Netserver LP 2000r; Proliant: DL320 ³¹ , ML350(G2) ³¹ , ML350(G3), ML370(G2), ML370(G3), ML750 ²⁸	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ^{16, 17} , SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, 26, 30, SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic QLA2342-E-SP18, 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15
32	Netserver LH: (LH Pro), 4, II, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ^{16, 17} , SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic QLA2342-E-SP18, 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15
33	Netserver LH: 3, 3000, 6000, PRO; Proliant: 8000 ^{31, 32} , 8500	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ^{16, 17} , SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic QLA2342-E-SP18, 19, 20, 21, 22	FC-AL, FC-SW	N
34	Netserver LC 2000 U3	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ^{16, 17} , SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, SP2 ^{16, 25} , SP3 ²⁵	QLogic QLA2310F-E-SP18, 20, 21, 22	FC-AL, FC-SW	N
35	Netserver LC 2000r	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ^{16, 17} , SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, SP2 ^{16, 25} , SP3 ²⁵	QLogic: QLA2310F-E-SP18, 20, 21, 22, QLA2342-E-SP18, 19, 20, 21, 22	FC-AL, FC-SW	N
36	Netserver LC 2000 U3	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ ; Novell Netware 6.0: SP1 ¹⁶ , 25, SP2 ^{16, 25} , SP3 ²⁵	QLogic QLA2340-E-SP18, 20, 21, 22	FC-AL, FC-SW	N
37	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 8000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, 30, SP2 ^{16, 25} , SP3 ²⁵ ; Novell Netware 6.5 ^{25, 42}	QLogic QLA2300F-E-SP18, 20, 22	FC-AL, FC-SW	N
38	Netserver LH PRO	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, SP2 ^{16, 25} , SP3 ²⁵	QLogic QLA2310F-E-SP18, 20, 21, 22	FC-AL, FC-SW	N
39	Netserver LC 2000 U3	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, SP2 ^{16, 25} , SP3 ²⁵	QLogic QLA2342-E-SP18, 19, 20, 21, 22	FC-AL, FC-SW	N

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
40	Netserver LC 2000 U3	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, SP2 ¹⁶ , 25, SP3 ²⁵ ; Novell Netware 6.5 ²⁵ , 42	QLogic QLA2200F-EMC ²² , 24	FC-AL, FC-SW	N
41	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380(G3) ²⁸ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6	QLogic QLA2200F-EMC ²² , 23, 24	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
42	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380 ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6	QLogic QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
43	Proliant ML750 ³¹	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6	QLogic QLA2310F-E-SP ¹⁸ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15, 28
44	Proliant: DL380(G3) ²⁸ , DL580(G2) ³¹	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
45	Proliant DL380(G3) ²⁸	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6	QLogic QLA2342-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15
46	Proliant 8500	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6	QLogic: QLA2200F-EMC ²² , 23, 24, QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
47	Netserver LP 2000r	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, 26, 30, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
48	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic QLA2200F-EMC ²² , 24, 29	FC-AL, FC-SW	Y4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
49	Netserver LH: 3, 3000, 6000; Proliant: 8000 ^{31, 32} , 8500	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	N
50	Netserver LH: 4, II, III; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
51	Netserver: LH (LH Pro), LT 6000R	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15
52	Netserver: LH (LH Pro), LT 6000R	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	N
53	Proliant 8000 ^{31, 32}	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ¹⁶ , 25, 26, SP3 ²⁵ ; Novell Netware 6.5 ²⁵ , 42	QLogic QLA2200F-EMC ²² , 23, 24	FC-AL, FC-SW	N
54	Netserver LH: (LH Pro), 3, 3000, 6000; Netserver LT 6000R	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ¹⁶ , 25, 26, SP3 ²⁵ ; Novell Netware 6.5 ²⁵ , 42	QLogic QLA2200F-EMC ²² , 24, 29	FC-AL, FC-SW	N
55	Netserver LC 2000r	PCI	Novell Netware 5.10: SP5 ¹⁶ , SP6	QLogic QLA2200F-EMC ²² , 24	FC-AL, FC-SW	N
56	Proliant ML750 ³¹	PCI	Novell Netware 5.10: SP5 ¹⁶ , SP6	QLogic QLA2342-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15, 28
57	Netserver LH PRO	PCI	Novell Netware 5.10: SP5 ¹⁶ , SP6	QLogic: QLA2200F-EMC ²² , 24, QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41, QLA2310F-E-SP ¹⁸ , 20, 21, 22	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17
58	Proliant: DL320 ³¹ , ML350(G2) ³¹ , ML350(G3), ML370(G2), ML370(G3), ML750 ²⁸	PCI	Novell Netware 6.0: SP1 ¹⁶ , 25, 26, 30, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
59	Proliant: DL320 ³¹ , ML350(G2) ³¹ , ML350(G3), ML370(G2), ML370(G3), ML750 ²⁸	PCI	Novell Netware 6.0: SP1 ¹⁶ , 25, 26, 30, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic QLA2340-E-SP ¹⁸ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
60	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 850 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380(G3) ²⁸ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350 ³¹ , ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹	PCI	Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
61	Proliant DL380(G3) ²⁸	PCI	Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic QLA2340-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
62	Proliant: 1600 ^{31,33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31,32} , 6000 ^{31,32} , 6400R ³¹ , 6500 ^{31,32} , 7000 ^{31,32} , 850 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380 ³¹ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350 ³¹ , ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹	PCI	Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic QLA2340-E-SP ¹⁸ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
63	Proliant 8500	PCI	Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic QLA2340-E-SP ²⁰ , 21, 22	FC-AL, FC-SW	Y3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
64	Proliant: 1600 ^{31,33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31,32} , 6000 ^{31,32} , 6400R ³¹ , 6500 ^{31,32} , 7000 ^{31,32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380(G3), DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic: QLA2200F-EMC ²² , 23, 24, QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41	FC-AL, FC-SW	Y3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
65	Proliant 8500	PCI	Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic: QLA2200F-EMC ²² , 23, 24, QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41, QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
66	Netserver LH PRO	PCI	Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic: QLA2200F-EMC ²² , 24, 29, QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41	FC-AL, FC-SW	Y4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
67	Netserver LH PRO	PCI	Novell Netware 6.0: SP1 ¹⁶ , 25, SP2 ^{16, 25} , SP3 ²⁵	QLogic QLA2310F-E-SP ¹⁸ , 20, 21, 22	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
68	Proliant DL380(G3) ²⁸	PCI	Novell Netware 6.5 ^{25, 42}	QLogic: QLA2200F-EMC ²² , 23, 24, QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22, 43, QLA2340-E-SP ²¹ , 22, 43, 44	FC-AL, FC-SW	N
69	Proliant: 1600 ^{31,33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31,32} , 6000 ^{31,32} , 6400R ³¹ , 6500 ^{31,32} , 7000 ^{31,32} , 8500, 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 6.5 ^{25, 42}	QLogic: QLA2200F-EMC ²² , 23, 24, QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22, 43, QLA2340-E-SP ²¹ , 22, 43, 44, QLA2342-E-SP ²¹ , 22, 43	FC-AL, FC-SW	N
70	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 6.5 ^{25, 42}	QLogic: QLA2200F-EMC ²² , 24, 29, QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22, 43, QLA2340-E-SP ²¹ , 22, 43, 44, QLA2342-E-SP ²¹ , 22, 43	FC-AL, FC-SW	N
71	Netserver LH PRO	PCI	Novell Netware 6.5 ^{25, 42}	QLogic: QLA2200F-EMC ²² , 24, 29, QLA2310F-E-SP ¹⁸ , 20, 21, 22, 43, QLA2340-E-SP ²¹ , 22, 43, 44, QLA2342-E-SP ²¹ , 22, 43	FC-AL, FC-SW	N
72	Netserver LH: (LH Pro), 3, 3000, 6000; Netserver LT 6000R; Proliant 8000 ^{31, 32}	PCI	Novell Netware 6.5 ^{25, 42}	QLogic: QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22, 43, QLA2340-E-SP ²¹ , 22, 43, 44, QLA2342-E-SP ²¹ , 22, 43	FC-AL, FC-SW	N
73	Netserver LC: 2000 U3, 2000r	PCI	Novell Netware 6.5 ^{25, 42}	QLogic: QLA2310F-E-SP ¹⁸ , 20, 21, 22, 43, QLA2340-E-SP ²¹ , 22, 43, 44, QLA2342-E-SP ²¹ , 22, 43	FC-AL, FC-SW	N
74	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware: 5.00 SP6A ^{16, 25, 35} , 5.10 SP2A ¹⁶ , 5.10 SP5 ¹⁶ , 5.10 SP6, 6.0 SP1 ^{16, 25, 30} , 6.0 SP2 ^{16, 25} , 6.0 SP3 ²⁵ , 6.5 ^{25, 42}	Emulex LP9002-E (LP9002L-E) ^{37, 38}	FC-AL, FC-SW	N
75	Proliant 8500	PCI	Novell Netware: 5.00 SP6A ^{16, 25, 35} , 5.10 SP2A ¹⁶ , 6.0 SP1 ^{16, 25} , 6.0 SP2 ^{16, 25} , 6.0 SP3 ²⁵ , 6.5 ^{25, 42}	Emulex LP9002-E (LP9002L-E) ^{37, 38}	FC-AL, FC-SW	N
76	Netserver LC 2000 U3	PCI	Novell Netware: 5.00 SP6A ^{16, 35} , 5.10 SP2A ¹⁶ , 5.10 SP5 ¹⁶ , 5.10 SP6, 6.0 SP1 ^{16, 25} , 6.0 SP2 ^{16, 25} , 6.0 SP3 ²⁵ , 6.5 ^{25, 42}	QLogic QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41	FC-AL, FC-SW	N
77	Proliant: 1600 ^{31,33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31,32} , 6000 ^{31,32} , 6400R ³¹ , 6500 ^{31,32} , 7000 ^{31,32} , 8500, 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380(G3), DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware: 5.00 SP6A ^{16, 35} , 5.10 SP5 ^{16, 17} , 5.10 SP6	QLogic QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
78	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware: 5.00 SP6A ^{16, 35} , 5.10 SP5 ^{16, 17} , 5.10 SP6, 6.0 SP1 ^{16, 25, 26} , 6.0 SP2 ^{16, 25, 26} , 6.0 SP3 ²⁵	QLogic QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41	FC-AL, FC-SW	Y4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
79	Netserver LH: (LH Pro), 3, 3000, 6000; Netserver LT 6000R; Proliant 8000 ^{31, 32}	PCI	Novell Netware: 5.00 SP6A ^{16, 35} , 5.10 SP5 ^{16, 17} , 5.10 SP6, 6.0 SP1 ^{16, 25, 26} , 6.0 SP2 ^{16, 25, 26} , 6.0 SP3 ²⁵ , 6.5 ^{25, 42}	QLogic QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41	FC-AL, FC-SW	N
80	Netserver LC 2000r	PCI	Novell Netware: 5.00 SP6A ^{16, 35} , 5.10 SP5 ¹⁶ , 5.10 SP6	QLogic QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41	FC-AL, FC-SW	N
81	Netserver LH: 4, II, PRO, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{31,33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31,32} , 6000 ^{31,32} , 6400R ³¹ , 6500 ^{31,32} , 7000 ^{31,32} , 8500, 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380(G3), DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware: 5.00 SP6A ^{16, 35} , 6.5 ^{25, 42}	QLogic QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41	FC-AL, FC-SW	N
82	Netserver LH (LH Pro); Proliant: 7000 ^{31, 32} , 8500	PCI	Novell Netware: 5.10 SP2A ¹⁶ , 6.0 SP1 ^{16, 25} , 6.0 SP2 ^{16, 25} , 6.0 SP3 ²⁵ , 6.5 ^{25, 42}	QLogic QLA2300F-E-SP ¹⁸ , 20, 22	FC-AL, FC-SW	N
83	Netserver LP 2000r	PCI	Novell Netware: 5.10 SP5 ¹⁶ , 17, 6.0 SP1 ^{16, 25, 26, 30} , 6.0 SP2 ^{16, 25, 26} , 6.0 SP3 ²⁵	QLogic QLA2340-E-SP ¹⁸ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
84	Netserver LH: 4, II, III; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware: 5.10 SP5 ¹⁶ , 17, 6.0 SP1 ¹⁶ , 25, 26, 6.0 SP2 ¹⁶ , 25, 26, 6.0 SP3 ²⁵	QLogic QLA2340-E-SP ¹⁸ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
85	Netserver LH PRO	PCI	Novell Netware: 5.10 SP5 ¹⁶ , 17, 6.0 SP1 ¹⁶ , 25, 26, 6.0 SP2 ¹⁶ , 25, 26, 6.0 SP3 ²⁵	QLogic QLA2340-E-SP ²⁰ , 21, 22	FC-AL, FC-SW	Y4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
86	Netserver: LH (LH Pro), LT 6000R	PCI	Novell Netware: 5.10 SP5 ¹⁶ , 17, 6.0 SP1 ¹⁶ , 25, 26, 6.0 SP2 ¹⁶ , 25, 26, 6.0 SP3 ²⁵	QLogic QLA2340-E-SP ²⁰ , 21, 22	FC-AL, FC-SW	N
87	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.00 SP6A ¹⁶ , 25, 35	QLogic: QLA2300F-E-SP ¹⁸ , 20, QLA2310F-E-SP ¹⁸ , 20, 21, QLA2340-E-SP ¹⁸ , 20, 21, QLA2342-E-SP ¹⁸ , 19, 20, 21	FC-AL, FC-SW	N
88	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.00 SP6A ¹⁶ , 25, 35	QLogic: QLA2310F-E-SP ¹⁸ , 20, 21, QLA2340-E-SP ¹⁸ , 20, 21, QLA2342-E-SP ¹⁸ , 19, 20, 21	FC-AL, FC-SW	Y1, 2, 13
89	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.00 SP6A ¹⁶ , 35	QLogic QLA2200F-EMC ²³ , 24	FC-AL, FC-SW	N, Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
90	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.10 SP2A ¹⁶	QLogic: QLA2310F-E-SP ¹⁸ , 20, 21, 22, QLA2340-E-SP ¹⁸ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15
91	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.10 SP5 ¹⁶ , 17	QLogic QLA2340-E-SP ¹⁸ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
92	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ¹⁸ , 20, 21, 22, 34	FC-AL, FC-SW	Y1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
93	Proliant: DL740, DL760 (G2), DL760 ³¹	PCI-X	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, 26, 30, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic QLA2342-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15
94	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic QLA2342-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15
95	Proliant DL740	PCI-X	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, 30, SP2 ¹⁶ , 25, SP3 ²⁵ , Novell Netware 6.5 ²⁵ , 42	Emulex LP9002-E (LP9002L-E) ^{36, 37, 38}	FC-AL, FC-SW	N
96	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , SP6; Novell Netware 6.0: SP1 ¹⁶ , 25, 30, SP2 ¹⁶ , 25, SP3 ²⁵ , Novell Netware 6.5 ²⁵ , 42	QLogic QLA2300F-E-SP ¹⁸ , 20, 22	FC-AL, FC-SW	N
97	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6	QLogic QLA2200F-EMC ²² , 23, 24	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
98	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6	QLogic QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
99	Proliant: DL740, DL760 (G2), DL760 ³¹	PCI-X	Novell Netware 6.0: SP1 ¹⁶ , 25, 26, 30, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
100	Proliant: DL740, DL760 (G2), DL760 ³¹	PCI-X	Novell Netware 6.0: SP1 ¹⁶ , 25, 26, 30, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic QLA2340-E-SP ¹⁸ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
101	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
102	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic QLA2340-E-SP ¹⁸ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
103	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 6.0: SP1 ¹⁶ , 25, 26, SP2 ¹⁶ , 25, 26, SP3 ²⁵	QLogic: QLA2200F-EMC ²² , 23, 24, QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41	FC-AL, FC-SW	Y3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
104	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 6.5 ²⁵ , 42	QLogic: QLA2200F-EMC ²² , 23, 24, QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22, 43 QLA2340-E-SP ²¹ , 22, 43, 44, QLA2342-E-SP ²¹ , 22, 43	FC-AL, FC-SW	N
105	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware: 5.00 SP6A ¹⁶ , 25, 35, 5.10 SP2A ¹⁶ , 5.10 SP5 ¹⁶ , 5.10 SP6, 6.0 SP1 ¹⁶ , 25, 30, 6.0 SP2 ¹⁶ , 25, 6.0 SP3 ²⁵ , 6.5 ²⁵ , 42	Emulex LP9002-E (LP9002L-E) ^{36, 37, 38}	FC-AL, FC-SW	N

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
106	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware: 5.00 SP6A ^{16, 35} , 5.10 SP5 ^{16, 17} , 5.10 SP6	QLogic QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41	FC-AL, FC-SW	Y ^{3, 4, 5} , 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
107	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware: 5.00 SP6A ^{16, 35} , 6.5 ^{25, 42}	QLogic QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41	FC-AL, FC-SW	N
108	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ^{16, 25, 35}	QLogic: QLA2300F-E-SP ^{18, 20} , QLA2310F-E-SP ^{18, 20, 21} , QLA2340-E-SP ^{18, 20, 21} , QLA2342-E-SP ^{18, 19, 20, 21}	FC-AL, FC-SW	N
109	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ^{16, 25, 35}	QLogic: QLA2310F-E-SP ^{18, 20, 21} , QLA2340-E-SP ^{18, 20, 21} , QLA2342-E-SP ^{18, 19, 20, 21}	FC-AL, FC-SW	Y ^{1, 2, 13}
110	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2200F-EMC ²³ , 24	FC-AL, FC-SW	N, Y ^{4, 5} , 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
111	Proliant DL580(G2) ³¹	PCI, PCI-X	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2200F-EMC ²⁴	FC-AL, FC-SW	N, Y ^{4, 5} , 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
112	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10 SP2A ¹⁶	QLogic: QLA2310F-E-SP ^{18, 20, 21, 22} , QLA2340-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y ^{1, 2, 13} , 15
113	Proliant: DL580(G2) ³¹ , DL580(G3)	PCI, PCI-X	Novell Netware 5.10 SP5 ^{16, 17}	QLogic QLA2340-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y ^{1, 2, 4} , 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
114	Proliant: DL580(G2) ³¹ , DL580(G3)	PCI, PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{18, 20, 21, 22, 34}	FC-AL, FC-SW	Y ^{1, 2, 4} , 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
115	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP2A ¹⁶ , SP5 ^{16, 17} , SP6; Novell Netware 6.0: SP1 ^{16, 25, 26} , SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic QLA2342-E-SP ^{18, 19, 20, 21, 22}	FC-AL, FC-SW	Y ^{1, 2, 13} , 15
116	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , SP6; Novell Netware 6.0: SP1 ^{16, 25, 30} , SP2 ^{16, 25} , SP3 ²⁵ ; Novell Netware 6.5 ^{25, 42}	QLogic QLA2300F-E-SP ^{18, 20, 22}	FC-AL, FC-SW	N
117	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP5 ^{16, 17} , SP6	QLogic QLA2200F-EMC ²² , 23, 24	FC-AL, FC-SW	Y ^{4, 5, 6} , 7, 8, 9, 10, 11, 12, 13, 14, 15
118	Proliant DL580(G2) ³¹	PCI, PCI-X	Novell Netware 5.10: SP5 ^{16, 17} , SP6	QLogic QLA2200F-EMC ²² , 24	FC-AL, FC-SW	Y ^{4, 5, 6} , 7, 8, 9, 10, 11, 12, 13, 14, 15
119	Proliant: DL580(G2) ³¹ , DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP5 ^{16, 17} , SP6	QLogic QLA2310F-E-SP ^{18, 19, 20, 21, 22}	FC-AL, FC-SW	Y ^{1, 2, 4} , 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
120	Proliant DL580(G2) ³¹	PCI, PCI-X	Novell Netware 5.10: SP5 ^{16, 17} , SP6; Novell Netware 6.0: SP1 ^{16, 25, 26} , SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic QLA2342-E-SP ^{18, 19, 20, 21, 22}	FC-AL, FC-SW	Y ^{1, 2, 13} , 15
121	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.0: SP1 ^{16, 25, 26} , SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic QLA2310F-E-SP ^{18, 19, 20, 21, 22}	FC-AL, FC-SW	Y ^{1, 2, 4} , 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
122	Proliant DL580(G2) ³¹	PCI, PCI-X	Novell Netware 6.0: SP1 ^{16, 25, 26} , SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic QLA2310F-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y ^{1, 2, 4} , 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
123	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.0: SP1 ^{16, 25, 26} , SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic QLA2340-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y ^{1, 2, 4} , 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
124	Proliant DL580(G2) ³¹	PCI, PCI-X	Novell Netware 6.0: SP1 ^{16, 25, 26} , SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic QLA2340-E-SP ^{20, 21, 22}	FC-AL, FC-SW	Y ^{1, 2, 4} , 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
125	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.0: SP1 ^{16, 25, 26} , SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic: QLA2200F-EMC ²² , 23, 24, QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41	FC-AL, FC-SW	Y ^{4, 5, 7} , 8, 9, 10, 11, 12, 13, 14, 15
126	Proliant DL580(G2) ³¹	PCI, PCI-X	Novell Netware 6.0: SP1 ^{16, 25, 26} , SP2 ^{16, 25, 26} , SP3 ²⁵	QLogic: QLA2200F-EMC ²² , 24, QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41	FC-AL, FC-SW	Y ^{4, 5, 7} , 8, 9, 10, 11, 12, 13, 14, 15
127	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.5 ^{25, 42}	QLogic: QLA2200F-EMC ²² , 23, 24, QLA2310F-E-SP ^{18, 19, 20, 21, 22, 43} , QLA2340-E-SP ^{21, 22, 43, 44} , QLA2342-E-SP ^{21, 22, 43}	FC-AL, FC-SW	N
128	Proliant DL580(G2) ³¹	PCI, PCI-X	Novell Netware 6.5 ^{25, 42}	QLogic: QLA2200F-EMC ²² , 24, QLA2310F-E-SP ^{19, 20, 21, 22, 43} , QLA2340-E-SP ^{21, 22, 43, 44} , QLA2342-E-SP ^{21, 22, 43}	FC-AL, FC-SW	N
129	Proliant DL580(G3)	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{16, 25, 35} , 5.10 SP2A ¹⁶ , 5.10 SP5 ¹⁶ , 5.10 SP6, 6.0 SP1 ^{16, 25, 30} , 6.0 SP2 ^{16, 25} , 6.0 SP3 ²⁵ , 6.5 ^{25, 42}	Emulex LP9002-E (LP9002L-E) ^{36, 37, 38}	FC-AL, FC-SW	N

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
130	Proliant: DL580(G2) ³¹ , DL580(G3)	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{16, 35} , 5.10 SP5 ^{16, 17} , 5.10 SP6	QLogic QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41	FC-AL, FC-SW	Y ^{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15}
131	Proliant: DL580(G2) ³¹ , DL580(G3)	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{16, 35} , 6.5 ^{25, 42}	QLogic QLA2202F-EMC ⁴ , 14, 18, 23, 24, 29, 39, 40, 41	FC-AL, FC-SW	N

- Edit config.sys with the following: Files=100 Buffers=99
- When installing NetWare for fabric boot (when operating system is not installed in the local host) on the Symmetrix, create only one LUN and then perform the install. To install a second server that will be fabric boot, repeat the process by creating one additional LUN and then loading the operating system to it. Continue this process until the desired number of fabric boot servers have been reached. Conditions exist where several LUNs are initially created and you perform your first install, NetWare will sometimes acquire and stripe the operating system across several of the newly created LUNs.
- FC-SW applies only to CX600, CX200, FC4500, FC4700 and FC5300. FC5300 with FC-SW available from selected channels.
- Novell Storage Services supported.
- Powerpath & ATF supported.
- FC-SW environments using Brocade 2800 or EMC DS-16B require switch firmware 2.5.0d or greater.
- Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- To enable failover with fabric boot DOSFAT.NSS must be loaded from the autoexec.ncf. In a failed condition the c:\ partition will not failover correctly but the DOSFAT_C: partition will.
- PowerPath and ATF supported.
- NetWare boot support is contingent on migration of the DOS boot partition to an NSS partition. NetWare will warn you of the possibility of data corruption if you convert the DOS boot partition to an NSS partition. The risk of data corruption is during I/O to the C: drive while in the NetWare debugger, or while writing reboot log files during an "Auto Restart After Abend". When you load DOSFAT, please set "Auto Restart After Abend" to 0 to avoid the possibility of data corruption.
- Maximum number of NWFS volumes that can be mounted is 64.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- Support for CX600, CX400, FC4500, FC4700, and FC5300. (FC5300 requires copper to Fibre transceiver.)
- Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
- Driver Version v6.51a.
- Driver Version 6.51a.
- Requires HBA bios 1.83.**
- Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- HPQ Proliant servers with ATF and Powerpath requires use of SCSIHD in place of CPQSHD.
- PowerPath supported. ATF/CDE not supported.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.**
- PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Includes both Pentium PRO and XEON models
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- FC-AL for CX200 requires the following:**
If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
- Requires NWPA.NLM V.3.07A update from Novell website.
- PowerPath not currently supported.
- Requires BIOS version 2.02e.
- Driver Version 3.90a7.
- CX200 available through selected channels.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
- Firmware Version 1.34.
- FC-AL for CX200, If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.

IBM

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware 5.00 SP6A ^{1, 11, 23}	IBM: 19K1246(QLA2310) ^{6, 9, 15, 18} , 24P0960(QLA2340) ^{3, 9, 17} ; QLogic: QLA2300F-E-SP ^{9, 10} , QLA2310F-E-SP ^{9, 10, 12} , QLA2340-E-SP ^{9, 10, 12} , QLA2342-E-SP ^{9, 10, 12, 14}	FC-AL, FC-SW	Y
2	Netfinity 8500	PCI	Novell Netware 5.00 SP6A ^{1, 11, 23}	IBM: 19K1246(QLA2310) ^{6, 9, 15, 18} , 24P0960(QLA2340) ^{3, 9, 17} ; QLogic: QLA2310F-E-SP ^{9, 10, 12} , QLA2340-E-SP ^{10, 12} , QLA2342-E-SP ^{9, 10, 12, 14}	FC-AL, FC-SW	Y
3	xSeries x345	PCI	Novell Netware 5.00 SP6A ^{1, 11, 23}	QLogic: QLA2300F-E-SP ^{9, 10} , QLA2310F-E-SP ^{9, 10, 12} , QLA2340-E-SP ^{9, 10, 12} , QLA2342-E-SP ^{9, 10, 12, 14}	FC-AL, FC-SW	Y
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁰ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware 5.00 SP6A ^{1, 23}	QLogic QLA2200F-EMC ^{3, 7}	FC-AL, FC-SW	N, Y
5	Netfinity 8500R	PCI	Novell Netware 5.00 SP6A ^{1, 23}	QLogic QLA2200F-EMC ^{7, 9}	FC-AL, FC-SW	N, Y
6	Netfinity 8500R	PCI	Novell Netware 5.10 SP2 ¹	IBM: 19K1246(QLA2310) ^{4, 5, 6, 15} , 24P0960(QLA2340) ^{4, 5, 6, 17}	FC-AL, FC-SW	Y
7	Netfinity 7000 M10 ²⁴	PCI	Novell Netware 5.10 SP2A ¹	IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 16, 17} ; QLogic: QLA2310F-E-SP ^{8, 9, 10, 12} , QLA2340-E-SP ^{8, 9, 10, 12} , QLA2342-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
8	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R)	PCI	Novell Netware 5.10 SP2A ¹	QLogic QLA2310F-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
9	xSeries x370	PCI	Novell Netware 5.10 SP2A ¹	QLogic: QLA2310F-E-SP ^{8, 9, 10, 12} , QLA2340-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
10	Netfinity 8500	PCI	Novell Netware 5.10 SP5 ^{1, 13}	QLogic QLA2340-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
11	xSeries x232	PCI	Novell Netware 5.10 SP5 ^{1, 13}	QLogic QLA2340-E-SP ^{8, 10, 12}	FC-AL, FC-SW	Y
12	xSeries x370	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{8, 9, 10, 12, 14, 22}	FC-AL, FC-SW	Y
13	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁰ , 7100, 7600, 8500, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R)	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{8, 9, 10, 12, 22}	FC-AL, FC-SW	Y
14	xSeries x232	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{8, 10, 12, 22}	FC-AL, FC-SW	Y
15	Netfinity 8500R	PCI	Novell Netware 5.10: SP2A ¹ , SP2 ¹ , SP5 ¹ ; Novell Netware 6.0: SP1 ^{1, 11, 19} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2340-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
16	Netfinity 8500R	PCI	Novell Netware 5.10: SP2A ¹ , SP2 ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 11, 19} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2310F-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
17	Netfinity 8500R	PCI	Novell Netware 5.10: SP2A ¹ , SP2 ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 11} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2200F-EMC ^{7, 8, 9}	FC-AL, FC-SW	Y
18	xSeries: X342, x255	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 13} ; Novell Netware 6.0: SP1 ^{1, 11, 19} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2340-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
19	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), x230, x240, x250, x350 (6000R)	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 13} ; Novell Netware 6.0: SP1 ^{1, 11} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2340-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
20	Netfinity 8500	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 11, 19, 21} , SP2 ^{1, 11, 21} , SP3 ¹¹	IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 16, 17} ; QLogic: QLA2310F-E-SP ^{8, 9, 10, 12} , QLA2342-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
21	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 11, 19} , SP2 ^{1, 11} , SP3 ¹¹	IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 16, 17}	FC-AL, FC-SW	Y
22	xSeries: X342, x255	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 11, 19} , SP2 ^{1, 11} , SP3 ¹¹	IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 16, 17} ; QLogic QLA2342-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
23	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 11} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2342-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
24	xSeries x345	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ ; Novell Netware 6.0: SP1 ^{1, 11, 19} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2340-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
25	Netfinity 8500R	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 11, 19} , SP2 ^{1, 11} , SP3 ¹¹	IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 16, 17} ; QLogic QLA2342-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
26	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁴ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 11, 19} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2300F-E-SP ^{8, 9, 10}	FC-AL, FC-SW	Y
27	xSeries x345	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 11, 19} , SP2 ^{1, 11} , SP3 ¹¹	QLogic: QLA2300F-E-SP ^{8, 9, 10} , QLA2310F-E-SP ^{8, 9, 10, 12} , QLA2342-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
28	xSeries x232	PCI	Novell Netware 5.10: SP5 ^{1, 13} , SP6	QLogic QLA2310F-E-SP ^{8, 10, 12, 14}	FC-AL, FC-SW	Y
29	Netfinity 7000 M10 ²⁰ , xSeries X335	PCI	Novell Netware 5.10: SP5 ^{1, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 11, 19} , SP2 ^{1, 11} , SP3 ¹¹	IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 16, 17}	FC-AL, FC-SW	Y
30	xSeries: X342, x255	PCI	Novell Netware 5.10: SP5 ^{1, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 11, 19} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2310F-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
31	xSeries: X342, x232, x255	PCI	Novell Netware 5.10: SP5 ^{1, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 11} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2200F-EMC ^{3, 7, 8}	FC-AL, FC-SW	Y

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
32	Netfinity 7000 M10 ^{20, 24}	PCI	Novell Netware 5.10: SP5 ^{1, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 11} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2342-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
33	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁰ , 7100, 7600; xSeries: X330, X340 (4500R), x230, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP5 ^{1, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 11} , SP2 ^{1, 11} , SP3 ¹¹	QLogic: QLA2200F-EMC ^{3, 7, 8} , QLA2310F-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
34	xSeries X335	PCI	Novell Netware 5.10: SP5 ^{1, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 11} , SP2 ^{1, 11} , SP3 ¹¹	QLogic: QLA2310F-E-SP ^{8, 9, 10, 12, 14} , QLA2342-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
35	Netfinity 8500R	PCI	Novell Netware 5.10: SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 11, 19} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2300F-E-SP ^{8, 9, 10}	FC-AL, FC-SW	Y
36	xSeries x232	PCI	Novell Netware 6.0: SP1 ^{1, 11} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2310F-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
37	xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 6.5 ^{11, 34}	Emulex LP9002-E (LP9002L-E) ^{25, 26, 27} IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 16, 17} ; QLogic: QLA2200F-EMC ^{3, 7, 8} , QLA2300F-E-SP ^{8, 9, 10} , QLA2310F-E-SP ^{8, 9, 10, 12, 14, 35} , QLA2340-E-SP ^{8, 12, 35, 36} , QLA2342-E-SP ^{8, 12, 35}	FC-AL, FC-SW	N
38	Netfinity 8500R	PCI	Novell Netware 6.5 ^{11, 34}	Emulex LP9002-E (LP9002L-E) ^{25, 26, 27} IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 16, 17} ; QLogic: QLA2200F-EMC ^{7, 8, 9} , QLA2300F-E-SP ^{8, 9, 10} , QLA2310F-E-SP ^{8, 9, 10, 12, 35} , QLA2340-E-SP ^{8, 12, 35, 36} , QLA2342-E-SP ^{8, 12, 35}	FC-AL, FC-SW	N
39	xSeries x255	PCI	Novell Netware 6.5 ^{11, 34}	Emulex LP9002-E (LP9002L-E) ^{26, 27} IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 16, 17} ; QLogic: QLA2200F-EMC ^{3, 7, 8} , QLA2300F-E-SP ^{8, 9, 10} , QLA2310F-E-SP ^{8, 9, 10, 12, 14, 35} , QLA2340-E-SP ^{8, 12, 35, 36} , QLA2342-E-SP ^{8, 12, 35}	FC-AL, FC-SW	N
40	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600	PCI	Novell Netware 6.5 ^{11, 34}	IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 16, 17} ; QLogic: QLA2200F-EMC ^{3, 7, 8} , QLA2300F-E-SP ^{8, 9, 10} , QLA2310F-E-SP ^{8, 9, 10, 12, 14, 35} , QLA2340-E-SP ^{8, 12, 35, 36} , QLA2342-E-SP ^{8, 12, 35}	FC-AL, FC-SW	N
41	Netfinity 7000 M10 ²⁰	PCI	Novell Netware 6.5 ^{11, 34}	IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 16, 17} ; QLogic: QLA2200F-EMC ^{3, 7, 8} , QLA2310F-E-SP ^{8, 9, 10, 12, 14, 35} , QLA2340-E-SP ^{8, 12, 35, 36}	FC-AL, FC-SW	N
42	xSeries X335	PCI	Novell Netware 6.5 ^{11, 34}	IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 16, 17} ; QLogic: QLA2310F-E-SP ^{8, 9, 10, 12, 14, 35} , QLA2340-E-SP ^{8, 12, 35, 36} , QLA2342-E-SP ^{8, 12, 35}	FC-AL, FC-SW	N
43	Netfinity 8500	PCI	Novell Netware 6.5 ^{11, 34}	IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 16, 17} ; QLogic: QLA2310F-E-SP ^{8, 9, 10, 12, 35} , QLA2340-E-SP ^{8, 12, 35, 36} , QLA2342-E-SP ^{8, 12, 35}	FC-AL, FC-SW	N
44	Netfinity 7000 M10 ²⁴	PCI	Novell Netware 6.5 ^{11, 34}	QLogic QLA2300F-E-SP ^{8, 9, 10}	FC-AL, FC-SW	N
45	Netfinity 7000 M10 ^{20, 24}	PCI	Novell Netware 6.5 ^{11, 34}	QLogic QLA2342-E-SP ^{8, 12, 35}	FC-AL, FC-SW	N
46	xSeries x345	PCI	Novell Netware 6.5 ^{11, 34}	QLogic: QLA2300F-E-SP ^{8, 9, 10} , QLA2310F-E-SP ^{8, 9, 10, 12, 35} , QLA2340-E-SP ^{8, 12, 35, 36} , QLA2342-E-SP ^{8, 12, 35}	FC-AL, FC-SW	N
47	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware: 5.00 SP6A ^{1, 11, 23} , 5.10 SP2A ^{1, 5, 10} SP5 ^{1, 5, 10} SP6, 6.0 SP1 ^{1, 11, 19} , 6.0 SP2 ^{1, 11} , 6.0 SP3 ¹¹	Emulex LP9002-E (LP9002L-E) ^{25, 26, 27}	FC-AL, FC-SW	Y
48	xSeries x255	PCI	Novell Netware: 5.00 SP6A ^{1, 11, 23} , 5.10 SP2A ^{1, 6, 0} SP1 ^{1, 11} , 6.0 SP2 ^{1, 11} , 6.0 SP3 ¹¹	Emulex LP9002-E (LP9002L-E) ^{26, 27}	FC-AL, FC-SW	Y
49	Netfinity 8500R	PCI	Novell Netware: 5.00 SP6A ^{1, 23} , 5.10 SP2A ^{1, 5, 10} SP2 ^{1, 5, 10} SP5 ^{1, 5, 10} SP6, 6.0 SP1 ^{1, 11} , 6.0 SP2 ^{1, 11} , 6.0 SP3 ¹¹	IBM 00N6881 (QLA2200) ^{2, 4, 5, 6} , QLogic QLA2202F-EMC ^{3, 7, 9, 28, 29, 30, 31, 32, 33}	FC-AL, FC-SW	Y
50	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁰ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware: 5.00 SP6A ^{1, 23} , 5.10 SP5 ^{1, 13} , 5.10 SP6, 6.0 SP1 ^{1, 11} , 6.0 SP2 ^{1, 11} , 6.0 SP3 ¹¹	IBM 00N6881 (QLA2200) ^{2, 4, 5, 6} , QLogic QLA2202F-EMC ^{3, 7, 9, 28, 29, 30, 31, 32, 33}	FC-AL, FC-SW	Y
51	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁰ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware: 5.00 SP6A ^{1, 23} , 6.5 ^{11, 34}	IBM 00N6881 (QLA2200) ^{2, 4, 5, 6} , QLogic QLA2202F-EMC ^{3, 7, 9, 28, 29, 30, 31, 32, 33}	FC-AL, FC-SW	N
52	Netfinity 8500	PCI	Novell Netware: 5.10 SP2A ^{1, 6, 0} SP1 ^{1, 11, 19, 21} , 6.0 SP2 ^{1, 11, 21} , 6.0 SP3 ¹¹	QLogic QLA2340-E-SP ^{8, 10, 12}	FC-AL, FC-SW	Y
53	xSeries x232	PCI	Novell Netware: 5.10 SP2A ^{1, 6, 0} SP1 ^{1, 11} , 6.0 SP2 ^{1, 11} , 6.0 SP3 ¹¹	QLogic QLA2340-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
54	Netfinity 7000 M10 ²⁰ , xSeries X335	PCI	Novell Netware: 5.10 SP5 ^{1, 13} , 6.0 SP1 ^{1, 11} , 6.0 SP2 ^{1, 11} , 6.0 SP3 ¹¹	QLogic QLA2340-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
55	xSeries x370	PCI	Novell Netware: 5.10 SP5 ^{1, 13} , 6.0 SP1 ^{1, 11} , 6.0 SP2 ^{1, 11} , 6.0 SP3 ¹¹	QLogic QLA2340-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
56	xSeries x360	PCI-X	Novell Netware 5.00 SP6A ^{1, 11, 23}	IBM: 19K1246(QLA2310) ^{6, 9, 15, 18} , 24P0960(QLA2340) ^{3, 9, 17} ; QLogic: QLA2300F-E-SP ^{9, 10} , QLA2310F-E-SP ^{9, 10, 12} , QLA2340-E-SP ^{9, 10, 12} , QLA2342-E-SP ^{9, 10, 12, 14}	FC-AL, FC-SW	Y
57	xSeries x440	PCI-X	Novell Netware 5.00 SP6A ^{1, 11, 23}	QLogic: QLA2300F-E-SP ^{9, 10} , QLA2310F-E-SP ^{9, 10, 12} , QLA2340-E-SP ^{9, 10, 12} , QLA2342-E-SP ^{9, 10, 12, 14}	FC-AL, FC-SW	Y
58	xSeries: x360, x440	PCI-X	Novell Netware 5.00 SP6A ^{1, 23}	QLogic QLA2200F-EMC ^{3, 7}	FC-AL, FC-SW	N, Y
59	xSeries x235	PCI-X	Novell Netware 5.00 SP6A ^{1, 23}	QLogic QLA2200F-EMC ⁷	FC-AL, FC-SW	Y
60	xSeries x440	PCI-X	Novell Netware 5.10 SP2A ^{1, 11, 23}	IBM: 19K1246(QLA2310) ^{6, 9, 10, 15, 18} , 24P0960(QLA2340) ^{3, 9, 10, 17}	FC-AL, FC-SW	Y
61	xSeries x235	PCI-X	Novell Netware 5.10 SP5 ¹	QLogic QLA2340-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
62	xSeries: x235, x360, x440	PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{8, 9, 10, 12, 22}	FC-AL, FC-SW	Y
63	xSeries x360	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 13} ; Novell Netware 6.0: SP1 ^{1, 11, 19, 21} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2340-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
64	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 13} ; Novell Netware 6.0: SP1 ^{1, 11} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2340-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
65	xSeries x360	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 11, 19, 21} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2342-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
66	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 11} , SP1 ^{1, 11, 21} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2342-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
67	xSeries x360	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6	QLogic QLA2310F-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
68	xSeries x360	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 11, 19} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2300F-E-SP ^{8, 9, 10}	FC-AL, FC-SW	Y
69	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 11} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2310F-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
70	xSeries x360	PCI-X	Novell Netware 5.10: SP5 ^{1, 13} , SP6	IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 10, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 10, 16, 17}	FC-AL, FC-SW	Y
71	xSeries x440	PCI-X	Novell Netware 5.10: SP5 ^{1, 13} , SP6	IBM: 19K1246(QLA2310) ^{4, 6, 10, 15} , 24P0960(QLA2340) ^{4, 5, 6, 10, 17}	FC-AL, FC-SW	Y
72	xSeries: x360, x440	PCI-X	Novell Netware 5.10: SP5 ¹ , SP6	QLogic QLA2200F-EMC ^{7, 8}	FC-AL, FC-SW	Y
73	xSeries x235	PCI-X	Novell Netware 5.10: SP5 ¹ , SP6	QLogic: QLA2200F-EMC ^{7, 8} , QLA2310F-E-SP ^{8, 9, 10, 12} , QLA2342-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
74	xSeries x440	PCI-X	Novell Netware 6.0 SP1 ^{1, 11, 21}	QLogic QLA2340-E-SP ^{8, 10, 12}	FC-AL, FC-SW	Y
75	xSeries x440	PCI-X	Novell Netware 6.0: SP1 ^{1, 11, 19} , SP2 ^{1, 11} , SP3 ¹¹	IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 17}	FC-AL, FC-SW	Y
76	xSeries x360	PCI-X	Novell Netware 6.0: SP1 ^{1, 11, 19} , SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2310F-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
77	xSeries: x360, x440	PCI-X	Novell Netware 6.0: SP1 ^{1, 11} , SP2 ^{1, 11} , SP3 ¹¹	IBM 00N6881 (QLA2200) ^{2, 4, 5, 6} ; QLogic QLA2200F-EMC ^{3, 7, 8}	FC-AL, FC-SW	Y
78	xSeries x440	PCI-X	Novell Netware 6.0: SP2 ^{1, 11} , SP3 ¹¹	QLogic QLA2310F-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
79	xSeries x360	PCI-X	Novell Netware 6.5 ^{11, 34}	Emulex LP9002-E (LP9002L-E) ^{25, 26, 27} ; IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 16, 17} ; QLogic: QLA2200F-EMC ^{3, 7, 8} , QLA2300F-E-SP ^{8, 9, 10} , QLA2310F-E-SP ^{8, 9, 10, 12, 14, 35} , QLA2340-E-SP ^{8, 12, 35, 36} , QLA2342-E-SP ^{8, 12, 35}	FC-AL, FC-SW	N
80	xSeries x440	PCI-X	Novell Netware 6.5 ^{11, 34}	Emulex LP9002-E (LP9002L-E) ^{25, 26, 27} ; IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 17} ; QLogic: QLA2200F-EMC ^{3, 7, 8} , QLA2300F-E-SP ^{8, 9, 10} , QLA2310F-E-SP ^{8, 9, 10, 12, 14, 35} , QLA2310F-E-SP ^{8, 9, 10, 12, 35} , QLA2340-E-SP ^{8, 12, 35, 36} , QLA2342-E-SP ^{8, 12, 35}	FC-AL, FC-SW	N
81	xSeries x440	PCI-X	Novell Netware: 5.00 SP6A ^{1, 11, 23} , 5.10 SP2A ^{1, 11, 23}	IBM: 19K1246(QLA2310) ¹⁵ , 24P0960(QLA2340) ¹⁷	FC-AL, FC-SW	Y
82	xSeries: x360, x440	PCI-X	Novell Netware: 5.00 SP6A ^{1, 11, 23} , 5.10 SP2A ¹ , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ^{1, 11, 19} , 6.0 SP2 ^{1, 11} , 6.0 SP3 ¹¹	Emulex LP9002-E (LP9002L-E) ^{25, 26, 27}	FC-AL, FC-SW	Y
83	xSeries: x360, x440	PCI-X	Novell Netware: 5.00 SP6A ^{1, 23} , 5.10 SP2A ¹ , 5.10 SP5 ¹ , 5.10 SP6, 5.10 ¹	IBM 00N6881 (QLA2200) ^{2, 3, 4, 5, 6}	FC-AL, FC-SW	Y
84	xSeries x235	PCI-X	Novell Netware: 5.00 SP6A ^{1, 23} , 5.10 SP5 ¹ , 5.10 SP6	QLogic QLA2202F-EMC ^{3, 7, 9, 28, 29, 30, 31, 32, 33}	FC-AL, FC-SW	Y
85	xSeries: x360, x440	PCI-X	Novell Netware: 5.00 SP6A ^{1, 23} , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ^{1, 11} , 6.0 SP2 ^{1, 11} , 6.0 SP3 ¹¹	QLogic QLA2202F-EMC ^{3, 7, 9, 28, 29, 30, 31, 32, 33}	FC-AL, FC-SW	Y
86	xSeries: x360, x440	PCI-X	Novell Netware: 5.00 SP6A ^{1, 23} , 6.5 ^{11, 34}	IBM 00N6881 (QLA2200) ^{2, 4, 5, 6} ; QLogic QLA2202F-EMC ^{3, 7, 9, 28, 29, 30, 31, 32, 33}	FC-AL, FC-SW	N
87	xSeries x360	PCI-X	Novell Netware: 5.10 SP2A ¹ , 6.0 SP1 ^{1, 11, 19} , 6.0 SP2 ^{1, 11} , 6.0 SP3 ¹¹	IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 16, 17}	FC-AL, FC-SW	Y

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
88	xSeries x440	PCI-X	Novell Netware: 5.10 SP2A ¹ , 6.0 SP1 ¹ , 11, 6.0 SP2 ¹ , 11, 6.0 SP3 ¹¹	QLogic QLA2300F-E-SP ^{8, 9, 10}	FC-AL, FC-SW	Y
89	xSeries x445	PCI, PCI-X	Novell Netware 5.00 SP6A ¹ , 11, 23	IBM: 19K1246(QLA2310) ¹⁵ , 24P0960(QLA2340) ¹⁷ ; QLogic: QLA2300F-E-SP ^{9, 10} , QLA2310F-E-SP ^{9, 10, 12} , QLA2340-E-SP ^{9, 10, 12} , QLA2342-E-SP ^{9, 10, 12, 14}	FC-AL, FC-SW	Y
90	xSeries x445	PCI, PCI-X	Novell Netware 5.00 SP6A ¹ , 23	QLogic QLA2200F-EMC ^{3, 7}	FC-AL, FC-SW	N, Y
91	xSeries x345	PCI, PCI-X	Novell Netware 5.00 SP6A ¹ , 23	QLogic QLA2200F-EMC ⁷	FC-AL, FC-SW	Y
92	xSeries x445	PCI, PCI-X	Novell Netware 5.10 SP2A ¹ , 11, 23	IBM: 19K1246(QLA2310) ^{6, 9, 10, 15, 18} , 24P0960(QLA2340) ^{3, 9, 10, 17}	FC-AL, FC-SW	Y
93	xSeries x345	PCI, PCI-X	Novell Netware 5.10 SP5 ¹ , 13	QLogic QLA2340-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
94	xSeries: x345, x445	PCI, PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{8, 9, 10, 12, 22}	FC-AL, FC-SW	Y
95	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , 13; Novell Netware 6.0: SP1 ¹ , 11, 21, SP2 ¹ , 11, SP3 ¹¹	QLogic QLA2340-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
96	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , 13, SP6; Novell Netware 6.0 SP1 ¹ , 11	QLogic QLA2310F-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
97	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , 13, SP6; Novell Netware 6.0: SP1 ¹ , 11, 21, SP2 ¹ , 11, SP3 ¹¹	QLogic QLA2342-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
98	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP5 ¹ , 13, SP6	IBM: 19K1246(QLA2310) ^{4, 6, 10, 15} , 24P0960(QLA2340) ^{4, 5, 6, 10, 17}	FC-AL, FC-SW	Y
99	xSeries x345	PCI, PCI-X	Novell Netware 5.10: SP5 ¹ , 13, SP6; Novell Netware 6.0: SP1 ¹ , 11, 21, SP2 ¹ , 11, SP3 ¹¹	QLogic QLA2342-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
100	xSeries x345	PCI, PCI-X	Novell Netware 5.10: SP5 ¹ , 13, SP6; Novell Netware 6.0: SP1 ¹ , 11, SP2 ¹ , 11, SP3 ¹¹	QLogic QLA2310F-E-SP ^{8, 9, 10, 12}	FC-AL, FC-SW	Y
101	xSeries: x345, x445	PCI, PCI-X	Novell Netware 5.10: SP5 ¹ , SP6	QLogic QLA2200F-EMC ^{7, 8}	FC-AL, FC-SW	Y
102	xSeries x445	PCI, PCI-X	Novell Netware 6.0: SP1 ¹ , 11, 19, SP2 ¹ , 11, SP3 ¹¹	IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 17}	FC-AL, FC-SW	Y
103	xSeries x345	PCI, PCI-X	Novell Netware 6.0: SP1 ¹ , 11, 21, SP2 ¹ , 11, SP3 ¹¹	QLogic QLA2340-E-SP ^{8, 10, 12}	FC-AL, FC-SW	Y
104	xSeries x445	PCI, PCI-X	Novell Netware 6.0: SP1 ¹ , 11, SP2 ¹ , 11, SP3 ¹¹	IBM 00N6881 (QLA2200) ^{2, 4, 5, 6} ; QLogic QLA2200F-EMC ^{3, 7, 8}	FC-AL, FC-SW	Y
105	xSeries x445	PCI, PCI-X	Novell Netware 6.0: SP2 ¹ , 11, SP3 ¹¹	QLogic QLA2310F-E-SP ^{8, 9, 10, 12, 14}	FC-AL, FC-SW	Y
106	xSeries x445	PCI, PCI-X	Novell Netware 6.5 ^{11, 34}	Emulex LP9002-E (LP9002L-E) ^{25, 26, 27} ; IBM: 19K1246(QLA2310) ^{4, 5, 6, 9, 15, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 9, 17} ; QLogic: QLA2200F-EMC ^{3, 7, 8} , QLA2300F-E-SP ^{8, 9, 10} , QLA2310F-E-SP ^{8, 9, 10, 12, 14, 35} , QLA2340-E-SP ^{8, 12, 35, 36} , QLA2342-E-SP ^{8, 12, 35}	FC-AL, FC-SW	N
107	xSeries x345	PCI, PCI-X	Novell Netware 6.5 ^{11, 34}	QLogic: QLA2310F-E-SP ^{8, 9, 10, 12, 35} , QLA2340-E-SP ^{8, 12, 35, 36} , QLA2342-E-SP ^{8, 12, 35}	FC-AL, FC-SW	N
108	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ¹ , 11, 23, 5.10 SP2A ¹ , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ¹ , 11, 19, 6.0 SP2 ¹ , 11, 6.0 SP3 ¹¹	Emulex LP9002-E (LP9002L-E) ^{25, 26, 27}	FC-AL, FC-SW	Y
109	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ¹ , 23, 5.10 SP2A ¹ , 5.10 SP5 ¹ , 5.10 SP6, 5.10 ¹	IBM 00N6881 (QLA2200) ^{2, 3, 4, 5, 6}	FC-AL, FC-SW	Y
110	xSeries x345	PCI, PCI-X	Novell Netware: 5.00 SP6A ¹ , 23, 5.10 SP5 ¹ , 5.10 SP6	QLogic QLA2202F-EMC ^{3, 7, 9, 28, 29, 30, 31, 32, 33}	FC-AL, FC-SW	Y
111	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ¹ , 23, 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ¹ , 11, 6.0 SP2 ¹ , 11, 6.0 SP3 ¹¹	QLogic QLA2202F-EMC ^{3, 7, 9, 28, 29, 30, 31, 32, 33}	FC-AL, FC-SW	Y
112	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ¹ , 23, 6.5 ^{11, 34}	IBM 00N6881 (QLA2200) ^{2, 4, 5, 6} ; QLogic QLA2202F-EMC ^{3, 7, 9, 28, 29, 30, 31, 32, 33}	FC-AL, FC-SW	N
113	xSeries x445	PCI, PCI-X	Novell Netware: 5.10 SP2A ¹ , 6.0 SP1 ¹ , 11, 6.0 SP2 ¹ , 11, 6.0 SP3 ¹¹	QLogic QLA2300F-E-SP ^{8, 9, 10}	FC-AL, FC-SW	Y
114	xSeries: x255, x345	PCI	Novell Netware 6.5 ^{11, 34}	Emulex LP9002-E (LP9002L-E) ^{25, 26, 27}	FC-SW	N
115	xSeries: x255, x345	PCI	Novell Netware: 5.00 SP6A ¹ , 11, 23, 5.10 SP2A ¹ , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ¹ , 11, 19, 6.0 SP2 ¹ , 11, 6.0 SP3 ¹¹	Emulex LP9002-E (LP9002L-E) ^{25, 26, 27}	FC-SW	Y

- Maximum number of NWFS volumes that can be mounted is 64.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Driver Version 6.v. Supports persistent binding and only supports Class 3.
- Driver Version 6.50v.
- Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.
- Driver Version 6.51a.
- Driver installation with NetWare 5.0 SP6A: Do not load cpmpmk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- Driver Version v6.51a.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- Support for CX600, CX400, FC4500, FC4700, and FC5300. (FC5300 requires copper to Fibre transceiver.)
- This HBA is equivalent to the qLogic QLA2310.

16. Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
17. This HBA is equivalent to the qLogic QLA2340.
18. **Requires BIOS 1.34 available from Qlogic at <http://www.qlogic.com>.**
19. PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.
20. This server only supports 5 Volt HBAs: qLogic 22XX family, Emulex LP8000, and Emulex LP850
21. HPQ Proliant servers with ATF and Powerpath requires use of SCSIHD in place of CPQSHD.
22. **FC-AL for CX200 requires the following:
If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.**
23. Requires NWPANLM V.3.07A update from Novell website.
24. This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
25. PowerPath not currently supported.
26. Requires BIOS version 2.02e.
27. Driver Version 3.90a7.
28. Novell Storage Services supported.
29. CX200 available through selected channels.
30. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
31. PowerPath and ATF supported.
32. Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
33. **Requires HBA bios 1.83.**
34. **Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
35. Firmware Version 1.34.
36. FC-AL for CX200, If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.

**Red Hat Linux
Dell**

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 2550 ^{6,7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{1,2,4,28}	QLogic QLA2200F-EMC ^{3,5}	FC-AL, FC-SW	N	
2	PowerEdge: 1550, 2300, 2450, 2500, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{1,2}	QLogic QLA2200F ^{3,22,23,24}	FC-AL, FC-SW	N	
3	PowerEdge 2550 ⁷	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ²	QLogic QLA2200F ^{3,22,23,24}	FC-AL, FC-SW	Y ^{5,11,12,14,15,16,17,18,19,20,25,26}	
4	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6,7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2,5,11}	QLogic QLA2200F ^{3,4,5,22,23,24}	FC-AL, FC-SW	Y ^{12,14,15,16,17,18,19,20,25,26}	
5	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6,7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2,5,11}	QLogic QLA2310F-E-SP ^{3,9}	FC-AL, FC-SW	Y ^{12,13,14,15,16,17,18,19,20}	
6	PowerEdge: 2400, 4300	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{1,2}	QLogic QLA2200F-EMC ⁴	FC-AL, FC-SW	N	
7	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 2550 ^{6,7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,28} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,11} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
8	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,28} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,11} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic: QLA2310F-E-SP ^{3,9} , QLA2342-E-SP	FC-AL, FC-SW	N	
9	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 2550 ^{6,7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,28} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2310F-E-SP ^{3,9}	FC-AL, FC-SW	N	
10	PowerEdge: 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,28} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,11} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
11	PowerEdge 2400	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4} , v2.4.9-E.12 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{4,5}	FC-AL, FC-SW	N	
12	PowerEdge 4300	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{4,5}	FC-AL, FC-SW	N	
13	PowerEdge: 1650 ⁶ , 2400, 2550 ^{6,7} , 2550 ⁷	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2}	QLogic QLA2200F ^{3,22,23,24}	FC-AL, FC-SW	N	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
14	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F ^{3, 22, 23, 24}	FC-AL, FC-SW	N	
15	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	
16	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 9}	FC-AL, FC-SW	N	
17	PowerEdge: 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic: QLA2340-E-SP ^{3, 9} , QLA2342-E-SP	FC-AL, FC-SW	N	
18	PowerEdge 2400	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 3, 11} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic: QLA2200F-EMC ^{3, 4, 5} , QLA2342-E-SP	FC-AL, FC-SW	N	
19	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 3, 11} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC-AL, FC-SW	N	
20	PowerEdge 4300	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC-AL, FC-SW	N	
21	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 2550 ⁷ , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35}	QLogic QLA2200F ^{3, 10, 21, 30, 38}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
22	PowerEdge: 1650 ⁶ , 4300	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35}	QLogic QLA2200F ^{3, 10, 21, 30, 38}	FC-AL, FC-SW	N	
23	PowerEdge 4300	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic QLA2200F-EMC ^{21, 36, 38}	FC-AL, FC-SW	N	
24	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 10, 21, 36, 37}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
25	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 21, 36, 38} , QLA2310F-E-SP ^{3, 10, 21, 36, 37} , QLA2342-E-SP ^{10, 21, 22, 30, 36, 37}	FC-AL, FC-SW	N	
26	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 21, 36, 38} , QLA2342-E-SP ^{10, 21, 22, 30, 36, 37}	FC-AL, FC-SW	N	
27	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{21, 29, 31, 32, 33, 34}	FC-AL, FC-SW	Y	
28	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{21, 29, 31, 32, 34}	FC-AL, FC-SW	Y	
29	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{21, 29, 30, 31, 33, 34, 49, 50}	FC-AL, FC-SW	N	
30	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{21, 29, 30, 31, 33, 34, 49, 50}	FC-AL, FC-SW	Y ^{15, 16, 17, 18, 19, 20}	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
31	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ² , 5, 11, v2.4.9-E.9 ¹ , 2	QLogic QLA2200F-EMC ³ , 4	FC-AL, FC-SW	N	
32	PowerEdge 2550 ⁷	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ¹ , 2, ES v2.4.9-e.12 ¹ , 2, ES v2.4.9-e.16 ¹ , 2	QLogic QLA2200F ³ , 22, 23, 24	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
33	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ¹ , 2, ES v2.4.9-e.12 ¹ , 2, ES v2.4.9-e.16 ¹ , 2	QLogic QLA2310F-E-SP ³ , 9	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
34	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ¹ , 2, ES v2.4.9-e.12 ¹ , 2, ES v2.4.9-e.16 ¹ , 2; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F ³ , 4, 5, 22, 23, 24	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
35	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex: LP10000-E ^{29, 30, 31, 32, 40, 44, 45} , LP10000DC-E ^{3, 29, 30, 31, 32, 40, 44, 45} , LP1050-E ^{21, 29, 30, 31, 32, 33, 34, 51} , LP1050DC-E ^{21, 29, 30, 31, 32, 33, 34, 51}	FC-AL, FC-SW	Y ^{15, 16, 17, 18, 19, 20, 46}	
36	PowerEdge: 1550, 1650 ⁶ , 2300, 2450, 2500, 2550 ⁷ , 4400, 6100, 6300, 6350, 6400, 6450, 8450; PowerVault: 750N, 755N, 775N	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{29, 30, 31, 32, 40, 44, 45} , LP10000DC-E ^{3, 29, 30, 31, 32, 40, 44, 45} , LP1050-E ^{21, 29, 30, 31, 32, 33, 34, 51} , LP1050DC-E ^{21, 29, 30, 31, 32, 33, 34, 51}	FC-AL, FC-SW	N	See ⁴³
37	PowerEdge: 2400, 4300	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{29, 30, 31, 32, 40, 44, 45} , LP10000DC-E ^{3, 29, 30, 31, 32, 40, 44, 45} , LP1050-E ^{21, 29, 30, 31, 32, 33, 34, 51} , LP1050DC-E ^{21, 29, 30, 31, 32, 33, 34, 51}	FC-AL, FC-SW	N	
38	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 2550 ⁷ , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ³ , 10, 21, 30, 36, 38	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
39	PowerEdge: 1650 ⁶ , 4300	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ³ , 10, 21, 30, 36, 38	FC-AL, FC-SW	N	
40	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{47, 48}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
41	PowerEdge 2550 ⁷	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{47, 48} ; QLogic QLA2200F	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
42	PowerEdge: 2400, 4300	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{47, 48} ; QLogic QLA2200F-EMC	FC-AL, FC-SW	N	
43	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{47, 48} ; QLogic: QLA2200F-EMC ³ , QLA2310F-E-SP ³ , QLA2342-E-SP ³ , 23, 30	FC-AL, FC-SW	N	
44	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 2550 ⁷ , 4300, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	FC-AL, FC-SW	Y	
45	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{21, 29, 30, 31, 32, 33, 34}	FC-AL, FC-SW	Y	
46	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{29, 30, 31, 32, 40, 44, 45} , LP10000DC-E ^{3, 29, 30, 31, 32, 40, 44, 45} , LP1050-E ^{21, 29, 30, 31, 32, 33, 34, 51} , LP1050DC-E ^{21, 29, 30, 31, 32, 33, 34, 51}	FC-AL, FC-SW	Y ^{15, 16, 17, 18, 19, 20}	
47	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ³ , 4, 5, 22, 23, 24	FC-AL, FC-SW	N	
48	PowerEdge: 1750, 2600 ⁶ , 2650 ⁶ , 4600 ⁶ , 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ¹ , 2, 4, 28	QLogic QLA2200F-EMC ³ , 5	FC-AL, FC-SW	N	
49	PowerEdge: 2600, 6600	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ¹ , 2	QLogic QLA2200F ³ , 22, 23, 24	FC-AL, FC-SW	N	
50	PowerEdge 2650	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.16 ¹ , 2	QLogic QLA2200F-EMC ³ , 4, 5	FC-AL, FC-SW	N	
51	PowerEdge: 2650, 6650	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ² , 5	QLogic QLA2200F ³ , 4, 5, 22, 23, 24	FC-AL, FC-SW	Y ^{11, 12, 14, 15, 16, 17, 18, 19, 20, 25, 26}	
52	PowerEdge: 2650, 6650	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ² , 5, 11	QLogic QLA2200F-EMC ³ , 4	FC-AL, FC-SW	N	
53	PowerEdge: 2600 ⁶ , 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ² , 5, 11	QLogic QLA2200F ³ , 4, 5, 22, 23, 24	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 20, 25, 26}	
54	PowerEdge: 2600 ⁶ , 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ² , 5, 11	QLogic QLA2310F-E-SP ³ , 9	FC-AL, FC-SW	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 20}	
55	PowerEdge 2650 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ¹ , 2	QLogic QLA2200F-EMC ³ , 4	FC-AL, FC-SW	N	
56	PowerEdge: 2600 ⁶ , 2650, 6650	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ¹ , 2	QLogic QLA2200F-EMC ⁴	FC-AL, FC-SW	N	
57	PowerEdge 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ¹ , 2, 4, 28, v2.4.9-E.12 ¹ , 2, v2.4.9-E.16 ¹ , 2, v2.4.9-E.3 ² , 5, 11, v2.4.9-E.9 ¹ , 2; Red Hat Linux 2.1 ES: v2.4.9-e.12 ¹ , 2, v2.4.9-e.16 ¹ , 2	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
58	PowerEdge 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,28} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,11} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	QLogic QLA2310F-E-SP ^{3,9}	FC-AL, FC-SW	N	
59	PowerEdge 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,28} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,11} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
60	PowerEdge 1750	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,28} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,11} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	QLogic: QLA2310F-E-SP ^{3,9} , QLA2342-E-SP	FC-AL, FC-SW	N	
61	PowerEdge 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,28} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ;	QLogic: QLA2310F-E-SP ^{3,8,9,10} , QLA2340-E-SP ^{3,9}	FC-AL, FC-SW	N	
62	PowerEdge: 2600 ⁶ , 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,28} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ;	QLogic QLA2310F-E-SP ^{3,9}	FC-AL, FC-SW	N	
63	PowerEdge 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,28} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,11} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
64	PowerEdge 2600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4} , v2.4.9-E.12 ^{1,2} ;	QLogic QLA2200F-EMC ^{4,5}	FC-AL, FC-SW	N	
65	PowerEdge: 2650, 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	QLogic QLA2200F-EMC ^{4,5}	FC-AL, FC-SW	N	
66	PowerEdge 2600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.10 ^{1,2,4,28} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,11} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
67	PowerEdge 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,11} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ;	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
68	PowerEdge: 1750, 2650, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ;	QLogic QLA2200F ^{3,22,23,24}	FC-AL, FC-SW	N	
69	PowerEdge 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ;	QLogic: QLA2200F ^{3,22,23,24} , QLA2310F-E-SP, QLA2340-E-SP ³	FC-AL, FC-SW	N	
70	PowerEdge 2600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ;	QLogic: QLA2200F ^{3,22,23,24} , QLA2310F-E-SP ^{3,8,10} , QLA2340-E-SP ³	FC-AL, FC-SW	N	
71	PowerEdge 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.9 ^{1,2} ;	QLogic QLA2200F ^{3,22,23,24}	FC-AL, FC-SW	N	
72	PowerEdge: 1750, 2600 ⁶ , 4600 ⁶ , 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	QLogic QLA2200F-EMC ^{3,4,5}	FC-AL, FC-SW	N	
73	PowerEdge: 1750, 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ;	QLogic QLA2340-E-SP ^{3,9}	FC-AL, FC-SW	N	
74	PowerEdge: 2600, 4600	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ;	QLogic: QLA2340-E-SP ^{3,9} , QLA2342-E-SP	FC-AL, FC-SW	N	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
75	PowerEdge 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 11, 27}	QLogic QLA2310F-E-SP ^{3, 8, 9, 10}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
76	PowerEdge 2600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 11, 27} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 8, 9, 10}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
77	PowerEdge: 2600 ⁶ , 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 11, 27} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
78	PowerEdge 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 11} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic: QLA2310F-E-SP ^{3, 9} , QLA2340-E-SP ^{3, 9}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
79	PowerEdge 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 11} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
80	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 11} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC-AL, FC-SW	N	
81	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35}	QLogic QLA2200F ^{3, 10, 21, 30, 38}	FC-AL, FC-SW	N	
82	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35}	QLogic QLA2200F ^{3, 10, 21, 30, 38}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
83	PowerEdge: 2600 ⁶ , 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 10, 21, 36, 37}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
84	PowerEdge: 2650, 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 21, 36, 38} , QLA2200F-EMC ^{21, 36, 38} , QLA2342-E-SP ^{10, 21, 22, 30, 36, 37}	FC-AL, FC-SW	N	
85	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 21, 36, 38} , QLA2310F-E-SP ^{3, 10, 21, 36, 37} , QLA2342-E-SP ^{10, 21, 22, 30, 36, 37}	FC-AL, FC-SW	N	
86	PowerEdge: 2600 ⁶ , 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 21, 36, 38} , QLA2342-E-SP ^{10, 21, 22, 30, 36, 37}	FC-AL, FC-SW	N	
87	PowerEdge: 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic: QLA2310F-E-SP ^{3, 10, 21, 36, 37} , QLA2340-E-SP ^{3, 10, 36, 37}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
88	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{21, 29, 31, 32, 33, 34}	FC-AL, FC-SW	Y	
89	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{21, 29, 31, 32, 34}	FC-AL, FC-SW	Y	
90	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{21, 29, 30, 31, 33, 34, 49, 50}	FC-AL, FC-SW	N	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
91	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 35} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 35} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{21, 29, 30, 31, 33, 34, 49, 50}	FC-AL, FC-SW	Y ^{15, 16, 17, 18, 19, 20}	
92	PowerEdge: 1750, 2600 ⁶ , 4600 ⁶ , 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.3 ^{2, 5, 11} , v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F–EMC ^{3, 4}	FC-AL, FC-SW	N	
93	PowerEdge 2650 ⁶	PCI-X	Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic QLA2310F–E–SP ^{3, 8, 9, 10}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
94	PowerEdge 2650 ⁶	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.12 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F–EMC ^{3, 4, 5}	FC-AL, FC-SW	N	
95	PowerEdge 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	QLogic QLA2200F–EMC ^{3, 4, 5}	FC-AL, FC-SW	N	
96	PowerEdge 2600 ⁶	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	QLogic QLA2310F–E–SP ^{3, 9}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
97	PowerEdge 6600 ⁶	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	QLogic: QLA2310F–E–SP ^{3, 9} , QLA2340–E–SP ^{3, 9}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
98	PowerEdge 6600 ⁶	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
99	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27	Emulex: LP10000–E ^{29, 30, 31, 32, 40, 44, 45} , LP10000DC–E ^{3, 29, 30, 31, 32, 40, 44, 45} , LP1050–E ^{21, 29, 30, 31, 32, 33, 34, 51} , LP1050DC–E ^{21, 29, 30, 31, 32, 33, 34, 51}	FC-AL, FC-SW	Y ^{15, 16, 17, 18, 19, 20, 46}	
100	PowerEdge: 1750, 2600, 2650, 4600 ⁶ , 6600, 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{29, 30, 31, 32, 40, 44, 45} , LP10000DC–E ^{3, 29, 30, 31, 32, 40, 44, 45} , LP1050–E ^{21, 29, 30, 31, 32, 33, 34, 51} , LP1050DC–E ^{21, 29, 30, 31, 32, 33, 34, 51}	FC-AL, FC-SW	N	See ⁴³
101	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F ^{3, 10, 21, 30, 36, 38}	FC-AL, FC-SW	N	
102	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F ^{3, 10, 21, 30, 36, 38}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
103	PowerEdge: 2600 ⁶ , 6600 ⁶ , 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{47, 48}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
104	PowerEdge 2650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{47, 48} , QLogic QLA2200F	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
105	PowerEdge: 2650, 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{47, 48} , QLogic QLA2200F–EMC	FC-AL, FC-SW	N	
106	PowerEdge 2600 ⁶	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{47, 48} , QLogic: QLA2200F–EMC, QLA2200F–EMC ³ , QLA2310F–E–SP ³ , QLA2342–E–SP ^{3, 23, 30}	FC-AL, FC-SW	N	
107	PowerEdge: 1750, 2650 ⁶ , 4600 ⁶ , 6600 ⁶	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{47, 48} , QLogic: QLA2200F–EMC ³ , QLA2310F–E–SP ³ , QLA2342–E–SP ^{3, 23, 30}	FC-AL, FC-SW	N	
108	PowerEdge: 1750, 2600 ⁶ , 2650, 2650 ⁶ , 4600 ⁶ , 6600 ⁶ , 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC-AL, FC-SW	Y	
109	PowerEdge: 1750, 2600 ⁶ , 2650, 4600 ⁶ , 6600 ⁶ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{21, 29, 30, 31, 32, 33, 34}	FC-AL, FC-SW	Y	
110	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{29, 30, 31, 32, 40, 44, 45} , LP10000DC–E ^{3, 29, 30, 31, 32, 40, 44, 45} , LP1050–E ^{21, 29, 30, 31, 32, 33, 34, 51} , LP1050DC–E ^{21, 29, 30, 31, 32, 33, 34, 51}	FC-AL, FC-SW	Y ^{15, 16, 17, 18, 19, 20}	
111	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC-AL, FC-SW	N	
112	PowerEdge 2650 ⁶	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F ^{3, 4, 5, 22, 23, 24} , QLA2310F–E–SP ^{3, 9} , QLA2342–E–SP	FC-AL, FC-SW	N	
113	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 11}	QLogic QLA2340–E–SP ^{3, 9}	FC-AL, FC-SW ²	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 20}	
114	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 4, 28} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2340–E–SP ^{3, 9}	FC-AL, FC-SW ²	N	
115	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 4, 28} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 5, 11} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2340–E–SP ^{3, 9}	FC-AL, FC-SW ²	N	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
116	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 10, 36, 37}	FC-AL, FC-SW ²	N	
117	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 10, 36, 37}	FC-AL, FC-SW ²	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
118	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 9}	FC-AL, FC-SW ²	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
119	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2340-E-SP ³	FC-AL, FC-SW ²	N	
120	PowerEdge: 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux; 2.1 Advanced Server v2.4.9-E.10 ^{1, 2, 4, 28} , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 9}	FC-AL, FC-SW ²	N	
121	PowerEdge 2650	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 9}	FC-AL, FC-SW ²	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
122	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 5, 11}	QLogic QLA2340-E-SP ^{3, 9}	FC-AL, FC-SW ²	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 20}	
123	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 28} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 11} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 9}	FC-AL, FC-SW ²	N	
124	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 10, 36, 37}	FC-AL, FC-SW ²	N	
125	PowerEdge: 2600 ⁶ , 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 10, 36, 37}	FC-AL, FC-SW ²	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
126	PowerEdge 2650 ⁶	PCI-X	Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 9}	FC-AL, FC-SW ²	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
127	PowerEdge 2600 ⁶	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 9}	FC-AL, FC-SW ²	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
128	PowerEdge: 1750, 2600 ⁶ , 2650 ⁶ , 4600 ⁶ , 6600 ⁶	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2340-E-SP ³	FC-AL, FC-SW ²	N	
129	PowerEdge 2650 ⁶	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 9}	FC-AL, FC-SW ²	N	
130	PowerEdge: 2600 ⁶ , 6600 ⁶	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.10 ^{1, 2, 4, 28} , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 9}	FC-AL, FC-SW ²	N	
131	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{21, 29, 31, 32, 33, 34}	FC-AL, FC-SW ³	Y	
132	PowerEdge: 1750, 2600 ⁶ , 2650, 4600 ⁶ , 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{21, 29, 31, 32, 33, 34}	FC-AL, FC-SW ³	Y	
133	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002DC-E ^{21, 30, 31, 32, 33, 34, 41, 42}	FC-AL, FC-SW ³	Y ^{15, 16, 17, 18, 19, 20}	
134	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{21, 30, 31, 32, 33, 34, 41, 42}	FC-AL, FC-SW ^{3, 40}	N	
135	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{21, 30, 31, 32, 33, 34, 41, 42}	FC-AL, FC-SW ^{3, 40}	Y ^{14, 15, 16, 17, 18, 19, 20, 52}	
136	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{21, 29, 30, 31, 32, 33, 34}	FC-AL, FC-SW ^{3, 40}	Y	
137	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002DC-E ^{21, 30, 31, 32, 33, 34, 41, 42}	FC-AL, FC-SW ^{3, 40}	Y ^{15, 16, 17, 18, 19, 20}	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
138	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{21, 30, 31, 32, 33, 34, 41, 42}	FC-AL, FC-SW ^{39, 40}	N	
139	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{21, 30, 31, 32, 33, 34, 41, 42}	FC-AL, FC-SW ^{39, 40}	Y ^{14, 15, 16, 17, 18, 19, 20, 52}	
140	PowerEdge: 1750, 2600 ⁶ , 2650, 4600 ⁶ , 6600 ⁶ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{21, 29, 30, 31, 32, 33, 34}	FC-AL, FC-SW ^{39, 40}	Y	
141	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ^{21, 29, 31, 32, 33, 34, 39}	FC-AL, FC-SW ⁴⁰	Y ^{15, 16, 17, 18, 19, 20}	
142	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002-E (LP9002L-E) ^{21, 29, 31, 32, 34, 39}	FC-AL, FC-SW ⁴⁰	N	
143	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002-E (LP9002L-E) ^{21, 29, 31, 32, 33, 34, 39}	FC-AL, FC-SW ⁴⁰	Y ^{14, 15, 16, 17, 18, 19, 20, 52}	
144	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ^{21, 29, 31, 32, 33, 34, 39}	FC-AL, FC-SW ⁴⁰	Y ^{15, 16, 17, 18, 19, 20}	
145	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002-E (LP9002L-E) ^{21, 29, 31, 32, 34, 39}	FC-AL, FC-SW ⁴⁰	N	
146	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002-E (LP9002L-E) ^{21, 29, 31, 32, 33, 34, 39}	FC-AL, FC-SW ⁴⁰	Y ^{14, 15, 16, 17, 18, 19, 20, 52}	

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RFP.
- Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
- Requires v6.0.5 or higher Navisphere host Agent/CLI.
- Supported with QLogic driver v6.05.00.
- An RPM from Dell may be used to install the QLogic v6.05.00 driver and may be obtained from the QLogic website at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- Requires BIOS v1.83 for QLA2200F and BIOS v1.34 for QLA2310F, QLA2340-E-SP, and QLA2342-E-SP available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Requires BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires v6.2.1 or higher Navisphere host agent/CLI.
- This kernel is limited to 110 devices, not 128.
- Requires QLogic driver 4.47.18 driver disk, dd.img-i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Only one HBA is qualified for use in the Linux host when booting from the CLARiiON via fabric.
- Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Driver Version v6.05.00.
- Driver Version v6.x series. Supports persistent binding and only supports Class 3.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Requires QLogic driver 4.47.18 and BIOS 1.83.
- Install with driver provided by RedHat Installer and upgrade to the EMC-approved driver after installation.
- Requires v6.05 or higher Navisphere host agent/CLI.
- This system is supported with Red Hat 2.1 Advanced Server v2.4.9-E.3 and updated with v2.4.9-E.9, E.10, and E.12 RPMs.
- FCCode value 1.63a2.
- Single HBA zoning is required regardless of the switch being utilized.
- Driver Version 1.23a.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- Driver Version v6.04.01.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
- FCCode value 1.63a.
- Firmware Version 3.90a7.
- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
- Firmware Version 1.80a2.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Driver Version v1.22e.

- 48. Firmware Version v3.90a7.
- 49. **QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- 50. Firmware Version 1.02a0.
- 51. Firmware Version 1.80a3.
- 52. **Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.**

HPQ

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{1, 2, 11, 16, 30}	QLogic QLA2200F-EMC ^{3, 10, 13, 14, 15}	FC-AL, FC-SW	N	
2	Netserver LH 3000; Proliant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7, 8} , 6000 ^{7, 8} , 6400R ⁷ , 6500 ^{7, 8} , 7000 ^{7, 8} , 800, 8000 ^{7, 8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{1, 2, 11, 30}	QLogic QLA2200F-EMC ^{3, 10}	FC-AL, FC-SW	N	
3	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 10}	QLogic QLA2200F ^{3, 4, 5, 6, 10, 11}	FC-AL, FC-SW	Y ^{18, 21, 23, 24, 25, 26, 27, 28, 29, 31, 32}	
4	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 10, 16, 18}	QLogic QLA2310F-E-SP ^{3, 13, 15, 17, 20}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 27, 28, 29}	
5	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7, 8} , 6000 ^{7, 8} , 6400R ⁷ , 6500 ^{7, 8} , 7000 ^{7, 8} , 800, 8000 ^{7, 8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 10, 18}	QLogic QLA2200F ^{3, 4, 5, 6, 10, 11}	FC-AL, FC-SW	Y ^{21, 23, 24, 25, 26, 27, 28, 29, 31, 32}	
6	Netserver LH 3000; Proliant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7, 8} , 6000 ^{7, 8} , 6400R ⁷ , 6500 ^{7, 8} , 7000 ^{7, 8} , 800, 8000 ^{7, 8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 10, 18}	QLogic QLA2310F-E-SP ^{3, 17}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 27, 28, 29}	
7	Netserver: LH (LH Pro), LP 2000r	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{1, 2, 16}	QLogic QLA2200F-EMC ^{3, 11, 13, 14, 15}	FC-AL, FC-SW	N	
8	Proliant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7, 8} , 6000 ^{7, 8} , 6400R ⁷ , 6500 ^{7, 8} , 7000 ^{7, 8} , 800, 8000 ^{7, 8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580 ⁷ , ML350 ⁷	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{1, 2, 18}	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	N	
9	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 16, 30} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.3 ^{2, 10, 16, 18} , v2.4.9-E.9 ^{1, 2, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16}	QLogic QLA2342-E-SP ^{13, 15, 19, 20}	FC-AL, FC-SW	N	
10	Netserver LP 2000r	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 16} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.3 ^{2, 10, 16, 18} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16}	QLogic QLA2200F-EMC ^{3, 10, 11, 13, 14, 15}	FC-AL, FC-SW	N	
11	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 16} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.3 ^{2, 10, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16}	QLogic QLA2200F-EMC ^{3, 10, 11, 13, 14, 15}	FC-AL, FC-SW	N	
12	Proliant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 5000 ⁷ , 5500 ^{7, 8} , 6000 ^{7, 8} , 6400R ⁷ , 800, 8000 ^{7, 8} , 850 ⁷	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.3 ^{2, 10, 18} , v2.4.9-E.9 ^{1, 2, 18} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
13	Netserver LH 3000; Proliant: DL580(G2) ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.3 ^{2, 10, 18} , v2.4.9-E.9 ^{1, 2, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
14	Proliant: 3000 ⁷ , 6500 ^{7, 8} , 7000 ^{7, 8} , 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.9 ^{1, 2, 18} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16}	QLogic QLA2342-E-SP ³	FC-AL, FC-SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
15	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{7,9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6400R ⁷ , 6500 ^{7,8} , 7000 ^{7,8} , 800, 8000 ^{7,8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3) , ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,11,30} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2310F-E-SP ^{3,17}	FC-AL, FC-SW	N	
16	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,11} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3,10,11}	FC-AL, FC-SW	N	
17	Netserver LP 2000r	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,16} , v2.4.9-E.12 ^{1,16} , v2.4.9-E.16 ^{1,2,16} , v2.4.9-E.32 ^{10,16,18} , v2.4.9-E.9 ^{1,16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2,16} , v2.4.9-e.16 ^{1,2,16}	QLogic QLA2342-E-SP ^{13,15,19,20}	FC-AL, FC-SW	N	
18	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,16} , v2.4.9-E.12 ^{1,16} , v2.4.9-E.16 ^{1,16} , v2.4.9-E.3 ¹⁶ , v2.4.9-E.9 ^{1,16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,16} , v2.4.9-e.16 ^{1,16}	QLogic QLA2310F-E-SP ^{3,13,15,20}	FC-AL, FC-SW	Y22, 23, 24, 25, 26, 27, 28, 29	
19	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,16} , v2.4.9-E.12 ^{1,16} , v2.4.9-E.16 ^{1,16} , v2.4.9-E.3 ¹⁶ , v2.4.9-E.9 ^{1,16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,16} , v2.4.9-e.16 ^{1,16}	QLogic QLA2342-E-SP ^{13,15,19,20}	FC-AL, FC-SW	N	
20	Netserver LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,16} , v2.4.9-E.12 ^{1,16} , v2.4.9-E.16 ^{1,16} , v2.4.9-E.3 ¹⁶ , v2.4.9-E.9 ^{1,16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,16} , v2.4.9-e.16 ^{1,16}	QLogic: QLA2200F-EMC ^{3,13,14,15} , QLA2342-E-SP ^{13,15,19,20}	FC-AL, FC-SW	N	
21	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,16} , v2.4.9-E.12 ^{1,16} , v2.4.9-E.9 ^{1,16} ;	QLogic QLA2310F-E-SP ^{3,13,15,20}	FC-AL, FC-SW	Y22, 23, 24, 25, 26, 27, 28, 29	
22	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.10 ^{1,2,11,30} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2310F-E-SP ^{3,17}	FC-AL, FC-SW	N	
23	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.32 ^{10,18} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
24	Proliant ML750 ⁷	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.9 ^{1,2,18} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2}	QLogic QLA2342-E-SP ³	FC-AL, FC-SW	N	
25	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{7,9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6400R ⁷ , 6500 ^{7,8} , 7000 ^{7,8} , 800, 8000 ^{7,8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3) , ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ;	QLogic QLA2200F ^{3,4,5,6}	FC-AL, FC-SW	N	
26	Proliant ML750 ⁷	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2,18} ;	QLogic QLA2340-E-SP ³	FC-AL, FC-SW	N	
27	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2,16} , v2.4.9-E.16 ^{1,2,16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2,16} , v2.4.9-e.16 ^{1,2,16}	QLogic QLA2200F-EMC ^{3,10,11,13,14,15}	FC-AL, FC-SW	N	
28	Netserver LH 3000; Proliant: 1600 ^{7,9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6400R ⁷ , 6500 ^{7,8} , 7000 ^{7,8} , 800, 8000 ^{7,8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3) , ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3,10,11}	FC-AL, FC-SW	N	
29	Proliant: ML350(G2) ⁷ , ML350(G3) , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2,18}	QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
30	NetsERVER LH PRO; ProLiant ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.16 ^{1, 2} , v2.4.9–E.3 ^{2, 10, 18} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 6, 10, 11}	FC–AL, FC–SW	N	
31	NetsERVER LC: 2000 U3, 2000R; NetsERVER LH: 3, 4, 6000, II, PRO, III; NetsERVER: LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 16, 48} , v2.4.9–e.25 ^{2, 16, 48} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 16, 48} , v2.4.9–e.27	QLogic QLA2310F–E–SP ^{3, 13, 15, 20, 51}	FC–AL, FC–SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
32	NetsERVER LC: 2000 U3, 2000R; NetsERVER LH: 3, 4, 6000, II, PRO, III; NetsERVER: LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 16, 48} , v2.4.9–e.25 ^{2, 16, 48} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 16, 48} , v2.4.9–e.27	QLogic: QLA2200F–EMC ^{3, 13, 14, 51} , QLA2342–E–SP ^{5, 13, 15, 19, 20, 51}	FC–AL, FC–SW	N	
33	NetsERVER LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 16, 48} , v2.4.9–e.25 ^{2, 16, 48} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ^{2, 16, 48} , v2.4.9–e.27	QLogic QLA2200F–EMC ^{3, 13, 14, 51}	FC–AL, FC–SW	N	
34	NetsERVER LC: 2000 U3, 2000R; NetsERVER LH: (LH Pro), 3, 3000, 4, 6000, II, III; NetsERVER: LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; ProLiant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7, 8} , 6000 ^{7, 8} , 6400R ⁷ , 6500 ^{7, 8} , 7000 ^{7, 8} , 800, 8000 ^{7, 8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48}	QLogic QLA2200F ^{3, 13, 14, 15, 19}	FC–AL, FC–SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
35	NetsERVER LH PRO; ProLiant ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48}	QLogic QLA2200F ^{3, 13, 14, 15, 19}	FC–AL, FC–SW	N	
36	NetsERVER LH 3000; ProLiant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7, 8} , 6000 ^{7, 8} , 6400R ⁷ , 6500 ^{7, 8} , 7000 ^{7, 8} , 800, 8000 ^{7, 8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27	QLogic QLA2310F–E–SP ^{3, 13, 15, 20, 51}	FC–AL, FC–SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
37	ProLiant ML750 ⁷	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{3, 15, 20, 51}	FC–AL, FC–SW	Y ^{12, 22, 23, 24, 25, 26, 27, 28, 29}	
38	ProLiant ML750 ⁷	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27	QLogic QLA2342–E–SP ^{3, 5, 13, 15, 19, 20, 51}	FC–AL, FC–SW	N	
39	ProLiant: 3000 ⁷ , 6500 ^{7, 8} , 7000 ^{7, 8} , 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380 ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27	QLogic: QLA2200F–EMC ^{3, 13, 14, 51} , QLA2342–E–SP ^{3, 5, 13, 15, 19, 20, 51}	FC–AL, FC–SW	N	
40	ProLiant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27	QLogic: QLA2200F–EMC ^{3, 13, 14, 51} , QLA2342–E–SP ^{3, 5, 13, 15, 19, 20, 51} , QLA2342–E–SP ^{5, 13, 15, 19, 20, 51}	FC–AL, FC–SW	N	
41	NetsERVER LH 3000; ProLiant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 5000 ⁷ , 5500 ^{7, 8} , 6000 ^{7, 8} , 6400R ⁷ , 800, 8000 ^{7, 8} , 850 ⁷ , DL580(G2) ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27	QLogic: QLA2200F–EMC ^{3, 13, 14, 51} , QLA2342–E–SP ^{3, 5, 13, 15, 19, 20, 51}	FC–AL, FC–SW	N	
42	ProLiant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27	QLogic: QLA2310F–E–SP ^{3, 13, 15, 20, 51} , QLA2340–E–SP ^{3, 15, 20, 51}	FC–AL, FC–SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
43	NetsERVER LC: 2000 U3, 2000R; NetsERVER: LP 2000R, LT 6000R; ProLiant: 2500 ⁷ , 800, 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27	Emulex LP9802DC–E ^{13, 43, 44, 45, 46, 47}	FC–AL, FC–SW	Y	
44	NetsERVER LC: 2000 U3, 2000R; NetsERVER: LP 2000R, LT 6000R; ProLiant: 2500 ⁷ , 800, 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ^{2, 48} , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{13, 19, 44, 45, 46, 47, 62, 66}	FC–AL, FC–SW	Y ^{24, 25, 26, 27, 28, 29}	

HPQ - Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
45	NetsERVER: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ¹⁶ , v2.4.9-e.25 ¹⁶ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ¹⁶ , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 13, 15, 20, 51}	FC-AL, FC-SW	γ22, 23, 24, 25, 26, 27, 28, 29	
46	NetsERVER LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ¹⁶ , v2.4.9-e.25 ¹⁶ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ¹⁶ , v2.4.9-e.27	QLogic QLA2342-E-SP ^{5, 13, 15, 19, 20, 51}	FC-AL, FC-SW	N	
47	NetsERVER LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ¹⁶ , v2.4.9-e.25 ¹⁶ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ¹⁶ , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 13, 14, 51} , QLA2342-E-SP ^{5, 13, 15, 19, 20, 51}	FC-AL, FC-SW	N	
48	NetsERVER LC: 2000 U3, 2000r; NetsERVER LH: 3, 4, 6000, II, PRO, III; NetsERVER LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.32, 10, 16, 18, v2.4.9-E.9 ^{1, 2, 16}	QLogic QLA2200F-EMC ^{3, 11, 13, 14, 15}	FC-AL, FC-SW	N	
49	NetsERVER LH 3000; Proliant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7, 8} , 6000 ^{7, 8} , 6400R ⁷ , 6500 ^{7, 8} , 7000 ^{7, 8} , 800, 8000 ^{7, 8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.32, 10, 18, v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 11}	FC-AL, FC-SW	N	
50	NetsERVER LH (LH Pro)	PCI	Red Hat Linux 2.1 ES v2.4.9-e.24 ^{2, 48}	QLogic QLA2200F-EMC ^{3, 13, 14, 51}	FC-AL, FC-SW	N	
51	NetsERVER LC: 2000 U3, 2000r; NetsERVER LH: 3, 4, 6000, II, PRO, III; NetsERVER LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2, 16} , ES v2.4.9-e.12 ^{1, 2, 16} , ES v2.4.9-e.16 ^{1, 2, 16}	QLogic QLA2310F-E-SP ^{3, 13, 15, 17, 20}	FC-AL, FC-SW	γ22, 23, 24, 25, 26, 27, 28, 29	
52	NetsERVER LH 3000; Proliant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7, 8} , 6000 ^{7, 8} , 6400R ⁷ , 6500 ^{7, 8} , 7000 ^{7, 8} , 800, 8000 ^{7, 8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 17}	FC-AL, FC-SW	γ22, 23, 24, 25, 26, 27, 28, 29	
53	Proliant ML750 ⁷	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ³	FC-AL, FC-SW	γ12, 22, 23, 24, 25, 26, 27, 28, 29	
54	Proliant DL380(G3)	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic: QLA2310F-E-SP ^{3, 17} , QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	γ22, 23, 24, 25, 26, 27, 28, 29	
55	NetsERVER LC: 2000 U3, 2000r; NetsERVER LH: (LH Pro), 3, 3000, 4, 6000, II, III; NetsERVER LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7, 8} , 6000 ^{7, 8} , 6400R ⁷ , 6500 ^{7, 8} , 7000 ^{7, 8} , 800, 8000 ^{7, 8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F ^{3, 4, 5, 6, 10, 11}	FC-AL, FC-SW	γ23, 24, 25, 26, 27, 28, 29, 31, 32	
56	NetsERVER LC: 2000 U3, 2000r; NetsERVER LP 2000r, LT 6000R; Proliant: 2500 ⁷ , 800, 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex: LP10000-E ^{19, 43, 46, 47, 50, 55, 56} , LP10000DC-E ^{3, 19, 43, 46, 47, 50, 55, 56} LP1050-E ^{13, 19, 43, 44, 45, 46, 47, 67} , LP1050DC-E ^{13, 19, 43, 44, 45, 46, 47, 67}	FC-AL, FC-SW	γ24, 25, 26, 27, 28, 29, 57	
57	NetsERVER LC: 2000 U3, 2000r; NetsERVER LP 2000r, LT 6000R; Proliant: 2500 ⁷ , 800, DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{19, 43, 46, 47, 50, 55, 56} , LP10000DC-E ^{3, 19, 43, 46, 47, 50, 55, 56} LP1050-E ^{13, 19, 43, 44, 45, 46, 47, 67} , LP1050DC-E ^{13, 19, 43, 44, 45, 46, 47, 67}	FC-AL, FC-SW	N	See ⁵⁴
58	NetsERVER LC: 2000 U3, 2000r; NetsERVER LH: (LH Pro), 3, 3000, 4, 6000, II, III; NetsERVER LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7, 8} , 6000 ^{7, 8} , 6400R ⁷ , 6500 ^{7, 8} , 7000 ^{7, 8} , 800, 8000 ^{7, 8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{3, 13, 14, 15, 19, 51}	FC-AL, FC-SW	γ23, 24, 25, 26, 27, 28, 29, 31, 32	
59	NetsERVER LH PRO; Proliant ML750 ¹²	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{3, 13, 14, 15, 19, 51}	FC-AL, FC-SW	N	
60	NetsERVER LC: 2000 U3, 2000r; NetsERVER LP 2000r, LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7, 8} , 6000 ^{7, 8} , 6400R ⁷ , 6500 ^{7, 8} , 7000 ^{7, 8} , 800, 8000 ^{7, 8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{63, 64}	FC-AL, FC-SW	γ23, 24, 25, 26, 27, 28, 29, 31, 32	
61	Proliant ML750 ⁷	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{63, 64} , QLogic QLA2200F	FC-AL, FC-SW	N	
62	NetsERVER LP 2000r	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{63, 64} , QLogic QLA2200F-EMC	FC-AL, FC-SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
63	Netserver LC: 2000 U3, 2000r; Netserver: LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{7,9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6400R ⁷ , 6500 ^{7,8} , 7000 ^{7,8} , 800, 8000 ^{7,8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{63, 64} , QLogic: QLA2200F–EMC ³ , QLA2310F–E–SP ³ , QLA2342–E–SP ^{3, 6, 19}	FC–AL, FC–SW	N	
64	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{7,9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6400R ⁷ , 6500 ^{7,8} , 7000 ^{7,8} , 800, 8000 ^{7,8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC–AL, FC–SW	Y	
65	Netserver LH (LH Pro)	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2200F–EMC	FC–AL, FC–SW	N	
66	Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LX PRO, LXR PRO, LXR PRO8	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic: QLA2200F–EMC ³ , QLA2310F–E–SP ³ , QLA2342–E–SP ^{3, 6, 19}	FC–AL, FC–SW	N	
67	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁷ , 800, 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{13, 19, 43} , 44, 45, 46, 47	FC–AL, FC–SW	Y	
68	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁷ , 800, 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{19, 43, 46} , 47, 50, 55, 56, LP10000DC–E ³ , 19, 43, 46, 47, 50, 55, 56 LP1050–E ^{13, 19, 43, 44, 45, 46} , 47, 67, LP1050DC–E ^{13, 19, 43} , 44, 45, 46, 47, 67	FC–AL, FC–SW	Y ^{24, 25} , 26, 27, 28, 29	
69	Netserver LH 3000; Proliant: 1600 ^{7,9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6400R ⁷ , 6500 ^{7,8} , 7000 ^{7,8} , 800, 8000 ^{7,8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 6, 10} , 11	FC–AL, FC–SW	N	
70	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{3, 10} , 11, QLA2200F ^{3, 4, 5, 6, 10, 11} , QLA2342–E–SP	FC–AL, FC–SW	N	
71	Netserver LH PRO	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{3, 10} , 11, QLA2342–E–SP	FC–AL, FC–SW	N	
72	Netserver: LH (LH Pro), LP 2000r	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ¹⁰ , 11, QLA2200F ^{3, 4, 5, 6, 10, 11}	FC–AL, FC–SW	N	
73	Proliant: 3000 ⁷ , 6500 ^{7,8} , 7000 ^{7,8} , 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380 ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷	PCI	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.3 ^{2, 10, 18} , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
74	Proliant: DL360(G3), DL560, ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ^{1, 2, 11, 30}	QLogic QLA2200F–EMC ^{3, 10}	FC–AL, FC–SW	N	
75	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 10, 18}	IBM 19K1246(QLA2310) ^{4, 5, 6} , 38, 39	FC–AL, FC–SW	N	
76	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 10, 18}	QLogic QLA2200F ^{3, 4, 5, 6, 10} , 11	FC–AL, FC–SW	Y ^{21, 23} , 24, 25, 26, 27, 28, 29, 31, 32	
77	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 10, 18}	QLogic QLA2310F–E–SP ^{3, 17}	FC–AL, FC–SW	Y ^{21, 22} , 23, 24, 25, 26, 27, 28, 29	
78	Proliant: DL760 (G2), DL760 ⁷	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 10, 18}	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
79	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 10, 18, 33}	QLogic: QLA2200F–EMC ^{3, 4} , 5, 6, 11, QLA2310F–E–SP ^{3, 4, 5} , 6, 17, QLA2342–E–SP	FC–AL, FC–SW	N	
80	Proliant: DL760 (G2), DL760 ⁷	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F–EMC ¹¹	FC–AL, FC–SW	N	
81	Proliant: DL360(G3), DL560	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2, 18}	QLogic QLA2340–E–SP ^{3, 17}	FC–AL, FC–SW	N	
82	Proliant: DL360(G3), DL560, ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 11, 30} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.9 ^{1, 2, 18} , Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic QLA2342–E–SP ³	FC–AL, FC–SW	N	
83	Proliant: DL360(G3), DL560, ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 11, 30} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2} , Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2310F–E–SP ^{3, 17}	FC–AL, FC–SW	N	
84	Proliant: DL760 (G2), DL760 ⁷	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 11} , v2.4.9–E.12 ^{1, 2}	QLogic QLA2200F–EMC ^{10, 11}	FC–AL, FC–SW	N	
85	Proliant DL740	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 11} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic QLA2200F–EMC ^{10, 11}	FC–AL, FC–SW	N	
86	Proliant DL740	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2} , v2.4.9–E.12 ^{1, 2}	QLogic: QLA2200F ^{3, 4, 5, 6} , QLA2340–E–SP ³	FC–AL, FC–SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
87	Proliant DL740	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2342-E-SP ³	FC-AL, FC-SW	N	
88	Proliant: DL760 (G2), DL760 ⁷	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.9 ^{1, 2, 18} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2342-E-SP ³	FC-AL, FC-SW	N	
89	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F ^{3, 4, 5, 6}	FC-AL, FC-SW	N	
90	Proliant: DL760 (G2), DL760 ⁷	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2, 18}	QLogic QLA2340-E-SP ³	FC-AL, FC-SW	N	
91	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	QLogic QLA2200F-EMC ^{3, 10, 11}	FC-AL, FC-SW	N	
92	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-e.24 ² , v2.4.9-e.25 ^{2, 48} ; Red Hat Linux 2.1 ES v2.4.9-e.25 ^{2, 48}	QLogic QLA2200F ^{3, 4, 5, 6, 35, 36}	FC-AL, FC-SW	N	
93	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-e.24 ² , v2.4.9-e.25 ² ; Red Hat Linux: 2.1 ES v2.4.9-e.25 ² , 8.0 updated to v2.4.20-20.8²	IBM 19K1246(QLA2310) ^{3, 4, 5, 6, 38, 39}	FC-AL, FC-SW	N	
94	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.3 ^{2, 10, 18} , v2.4.9-e.24 ² , v2.4.9-e.25 ² ; Red Hat Linux: 2.1 ES v2.4.9-e.25 ² , 8.0 updated to v2.4.20-20.8²	IBM 00N6881 (QLA2200) ^{4, 5, 6, 39, 40, 41}	FC-AL, FC-SW	N	
95	Proliant ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2, 18}	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	N	
96	Proliant: DL760 (G2), DL760 ⁷	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 10, 18} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 10, 11}	FC-AL, FC-SW	N	
97	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48}	QLogic QLA2200F ^{3, 13, 14, 15, 19}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
98	Proliant: DL360(G3), DL560, DL760 (G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 13, 15, 20, 51}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
99	Proliant DL740	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{13, 14, 51} , QLA2200F-EMC ^{3, 13, 14, 51} , QLA2342-E-SP ^{3, 5, 13, 15, 19, 20, 51}	FC-AL, FC-SW	N	
100	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 13, 14, 51} , QLA2342-E-SP ^{3, 5, 13, 15, 19, 20, 51}	FC-AL, FC-SW	N	
101	Proliant: DL740, DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27	QLogic: QLA2310F-E-SP ^{3, 13, 15, 20, 51} , QLA2340-E-SP ^{3, 15, 20, 51}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
102	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{13, 43, 44, 45, 46, 47}	FC-AL, FC-SW	Y	
103	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8²	Emulex LP982-E ^{13, 19, 44, 45, 46, 47, 62, 66}	FC-AL, FC-SW	Y ^{24, 25, 26, 27, 28, 29}	
104	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 4, 5, 6, 10, 11, 15, 51} , QLA2310F-E-SP ^{3, 4, 5, 6, 15, 17, 37, 51} , QLA2340-E-SP ^{3, 4, 5, 6, 17, 51} , QLA2342-E-SP ^{3, 5, 51}	FC-AL, FC-SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
105	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{13, 19, 44, 45, 46, 47, 62, 66}	FC-AL, FC-SW	N	
106	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{43, 44, 46, 47}	FC-AL, FC-SW	Y	
107	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.32 ^{10, 18} , v2.4.9-E.91 ²	QLogic QLA2200F-EMC ^{3, 11}	FC-AL, FC-SW	N	
108	Proliant DL740	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 10, 11}	FC-AL, FC-SW	N	
109	Proliant DL740	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F ^{3, 4, 5, 6}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
110	Proliant DL360(G3)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F ^{3, 4, 5, 6, 10, 11}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
111	Proliant: DL360(G3), DL560, DL760 (G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 17}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
112	Proliant: DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic: QLA2310F-E-SP ^{3, 17} , QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
113	Proliant DL740	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic: QLA2310F-E-SP ^{3, 17} , QLA2340-E-SP ^{3, 17} , QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
114	Proliant: DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F ^{3, 4, 5, 6, 10, 11}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
115	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.24 ² , ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{13, 19, 44, 45, 46, 47, 62, 66}	FC-AL, FC-SW	Y ^{12, 24, 25, 26, 27, 28, 29}	
116	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex: LP10000-E ^{19, 43, 46, 47, 50, 55, 56} , LP10000DC-E ^{3, 19, 43, 46, 47, 50, 55, 56} , LP1050-E ^{13, 19, 43, 44, 45, 46, 47, 67} , LP1050DC-E ^{13, 19, 43, 44, 45, 46, 47, 67}	FC-AL, FC-SW	Y ^{24, 25, 26, 27, 28, 29, 57}	
117	Proliant: BL40p, DL740, DL760 (G2), DL760 ⁷	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{19, 43, 46, 47, 50, 55, 56} , LP10000DC-E ^{3, 19, 43, 46, 47, 50, 55, 56} , LP1050-E ^{13, 19, 43, 44, 45, 46, 47, 67} , LP1050DC-E ^{13, 19, 43, 44, 45, 46, 47, 67}	FC-AL, FC-SW	N	
118	Proliant: DL560, ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{19, 43, 46, 47, 50, 55, 56} , LP10000DC-E ^{3, 19, 43, 46, 47, 50, 55, 56} , LP1050-E ^{13, 19, 43, 44, 45, 46, 47, 67} , LP1050DC-E ^{13, 19, 43, 44, 45, 46, 47, 67}	FC-AL, FC-SW	N	See ⁵⁴
119	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Emulex LP982-E ^{13, 19, 45, 62}	FC-AL, FC-SW	Y ^{12, 22, 23, 24, 25, 26, 27, 28, 29, 31, 32, 59, 60, 61}	
120	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	IBM: 00N6881 (QLA2200) ^{4, 5, 6, 40, 41, 51} , 19K1246(QLA2310) ^{3, 4, 5, 6, 38, 51} ; QLogic QLA2200F ^{3, 4, 5, 6, 35, 36, 51}	FC-AL, FC-SW	N	
121	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{3, 13, 14, 15, 19, 51}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
122	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{13, 19, 45, 62}	FC-AL, FC-SW	N	
123	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ² , ES v2.4.9-e.24 ² , ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{13, 19, 43, 45, 46, 47, 58}	FC-AL, FC-SW	Y	
124	Proliant: DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{63, 64}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
125	Proliant DL360(G3)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{63, 64} , QLogic QLA2200F	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
126	Proliant: DL740, DL760 (G2), DL760 ⁷	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{63, 64} , QLogic QLA2200F–EMC ^{4, 5, 6}	FC–AL, FC–SW	N	
127	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{63, 64} , QLogic: QLA2200F–EMC ³ , QLA2310F–E–SP ³ , QLA2342–E–SP ^{3, 6, 19}	FC–AL, FC–SW	N	
128	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC–AL, FC–SW	Y	
129	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{13, 19, 43, 44, 45, 46, 47}	FC–AL, FC–SW	Y	
130	Proliant BL40p	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{13, 19, 45, 62}	FC–AL, FC–SW	Y ^{12, 24, 25, 26, 27, 28, 29, 60}	
131	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{19, 43, 46, 47, 50, 55, 56} , LP10000DC–E ^{3, 19, 43, 46, 47, 50, 55, 56} , LP1050–E ^{13, 19, 43, 44, 45, 46, 47, 67} , LP1050DC–E ^{13, 19, 43, 44, 45, 46, 47, 67}	FC–AL, FC–SW	Y ^{24, 25, 26, 27, 28, 29}	
132	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 6, 10, 11}	FC–AL, FC–SW	N	
133	Proliant: DL760 (G2), DL760 ⁷	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{4, 5, 6, 10, 11} , QLA2200F ^{3, 4, 5, 6, 10, 11}	FC–AL, FC–SW	N	
134	Proliant BL40p	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.12 ^{1, 2} , 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{3, 4, 5, 6, 10, 11, 15} , QLA2310F–E–SP ^{3, 4, 5, 6, 15, 17, 37} , QLA2340–E–SP ^{3, 4, 5, 6, 17} , QLA2342–E–SP ³	FC–AL, FC–SW	N	
135	Proliant BL40p	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.3 ^{2, 10, 18, 33, 34} , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 6, 10, 11, 35, 36}	FC–AL, FC–SW	N	
136	Proliant BL40p	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.3 ^{2, 10, 18, 34} , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2310F–E–SP ^{3, 15, 17, 37}	FC–AL, FC–SW	N	
137	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.3 ^{2, 10, 18} , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
138	Proliant BL20p (G2)	PCI-X ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 16} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 16} , v2.4.9–E.3 ² , v2.4.9–E.9 ^{1, 16} , v2.4.9–e.24 ¹⁶ , v2.4.9–e.25 ¹⁶ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 16} , v2.4.9–e.16 ^{1, 16} , v2.4.9–e.24 ¹⁶ , v2.4.9–e.25 ¹⁶ , v2.4.9–e.27; Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	HPQ Dual–port mezzanine controller card	FC–AL, FC–SW	N	
139	Proliant BL20p (G2)	PCI-X ⁴	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{63, 64}	FC–AL, FC–SW	N	
140	Proliant BL20p (G2)	PCI-X ⁴	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC–AL, FC–SW	Y	
141	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ^{1, 2, 11, 30}	QLogic QLA2200F–EMC ^{3, 10}	FC–AL, FC–SW	N	
142	Proliant: DL580(G2) ⁷ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 10}	QLogic QLA2200F ^{3, 4, 5, 6, 10, 11}	FC–AL, FC–SW	Y ^{18, 21, 23, 24, 25, 26, 27, 28, 29, 31, 32}	
143	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 10, 18}	QLogic QLA2310F–E–SP ^{3, 17}	FC–AL, FC–SW	Y ^{21, 22, 23, 24, 25, 26, 27, 28, 29}	
144	Proliant DL580(G2) ⁷	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F–EMC ¹¹	FC–AL, FC–SW	N	
145	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2, 18}	QLogic QLA2340–E–SP ^{3, 17}	FC–AL, FC–SW	N	
146	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 11, 30} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.9 ^{1, 2, 18} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic QLA2342–E–SP ³	FC–AL, FC–SW	N	
147	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 11, 30} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2310F–E–SP ^{3, 17}	FC–AL, FC–SW	N	
148	Proliant DL580(G2) ⁷	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 11} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 10} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F–EMC ^{10, 11}	FC–AL, FC–SW	N	
149	Proliant DL580(G2) ⁷	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.9 ^{1, 2, 18} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic QLA2342–E–SP ³	FC–AL, FC–SW	N	
150	Proliant: DL580(G2) ⁷ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F ^{3, 4, 5, 6}	FC–AL, FC–SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
151	Proliant DL580(G2) ⁷	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2,18}	QLogic QLA2340-E-SP ³	FC-AL, FC-SW	N	
152	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3,10} , 11	FC-AL, FC-SW	N	
153	Proliant: DL580(G2) ⁷ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 48, v2.4.9-e.25 ^{2,48}	QLogic QLA2200F ^{3,13,14,15} , 19	FC-AL, FC-SW	Y ^{23,24} , 25, 26, 27, 28, 29, 31, 32	
154	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 48, v2.4.9-e.25 ^{2,48} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3,13} , 15, 20, 51	FC-AL, FC-SW	Y ^{22,23} , 25, 26, 27, 28, 29	
155	Proliant DL580(G2) ⁷	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 48, v2.4.9-e.25 ^{2,48} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3,15} , 20, 51	FC-AL, FC-SW	Y ^{22,23} , 24, 25, 26, 27, 28, 29	
156	Proliant DL580(G2) ⁷	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 48, v2.4.9-e.25 ^{2,48} , v2.4.9-e.27	QLogic: QLA2200F-EMC ¹³ , 14, 51, QLA2342-E-SP ^{3,5,13} , 15, 19, 20, 51	FC-AL, FC-SW	N	
157	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 48, v2.4.9-e.25 ^{2,48} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3,13} , 14, 51, QLA2342-E-SP ^{3,5,13} , 15, 19, 20, 51	FC-AL, FC-SW	N	
158	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , 48, v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{13,19,44,45} , 46, 47, 62, 66	FC-AL, FC-SW	Y ^{24,25} , 26, 27, 28, 29	
159	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{13,43,44} , 45, 46, 47	FC-AL, FC-SW	Y	
160	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{2,10,18} , v2.4.9-E.9 ^{1,2}	QLogic QLA2200F-EMC ^{3,11}	FC-AL, FC-SW	N	
161	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2}	QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW	Y ^{22,23} , 24, 25, 26, 27, 28, 29	
162	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1,2} , ES v2.4.9-e.12 ^{1,2} , ES v2.4.9-e.16 ^{1,2}	QLogic QLA2310F-E-SP ^{3,17}	FC-AL, FC-SW	Y ^{22,23} , 24, 25, 26, 27, 28, 29	
163	Proliant DL580(G2) ⁷	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1,2} , ES v2.4.9-e.12 ^{1,2} , ES v2.4.9-e.16 ^{1,2}	QLogic QLA2340-E-SP ³	FC-AL, FC-SW	Y ^{22,23} , 24, 25, 26, 27, 28, 29	
164	Proliant: DL580(G2) ⁷ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1,2} , ES v2.4.9-e.12 ^{1,2} , ES v2.4.9-e.16 ^{1,2} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F ^{3,4,5,6,10} , 11	FC-AL, FC-SW	Y ^{23,24} , 25, 26, 27, 28, 29, 31, 32	
165	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex: LP10000-E ^{19,43,46} , 47, 50, 55, 56, LP10000DC-E ³ , 19, 43, 46, 47, 50, 55, 56 LP1050-E ^{13,19,43,44,45,46} , 47, 67, LP1050DC-E ^{13,19,43} , 44, 45, 46, 47, 67	FC-AL, FC-SW	Y ^{24,25} , 26, 27, 28, 29, 57	
166	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{19,43,46} , 47, 50, 55, 56, LP10000DC-E ³ , 19, 43, 46, 47, 50, 55, 56 LP1050-E ^{13,19,43,44,45,46} , 47, 67, LP1050DC-E ^{13,19,43} , 44, 45, 46, 47, 67	FC-AL, FC-SW	N	See ⁵⁴
167	Proliant: DL580(G2) ⁷ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{3,13,14,15} , 19, 51	FC-AL, FC-SW	Y ^{23,24} , 25, 26, 27, 28, 29, 31, 32	
168	Proliant: DL580(G2) ⁷ , DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{63,64}	FC-AL, FC-SW	Y ^{23,24} , 25, 26, 27, 28, 29, 31, 32	
169	Proliant DL580(G2) ⁷	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{63,64} , QLogic QLA2200F-EMC	FC-AL, FC-SW	N	
170	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{63,64} , QLogic: QLA2200F-EMC ³ , QLA2310F-E-SP ³ , QLA2342-E-SP ^{3,6,19}	FC-AL, FC-SW	N	
171	Proliant: DL580(G2) ⁷ , DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	FC-AL, FC-SW	Y	
172	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{13,19,43} , 44, 45, 46, 47	FC-AL, FC-SW	Y	

HPQ - Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
173	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{19, 43, 46, 47, 50, 55, 56} , LP10000DC-E ^{3, 19, 43, 46, 47, 50, 55, 56} LP1050-E ^{13, 19, 43, 44, 45, 46, 47, 67} , LP1050DC-E ^{13, 19, 43, 44, 45, 46, 47, 67}	FC-AL, FC-SW	Y24, 25, 26, 27, 28, 29	
174	Proliant: DL580(G2) ⁷ , DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 6, 10, 11}	FC-AL, FC-SW	N	
175	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.3 ^{2, 10, 18} , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
176	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 10, 16, 18}	HPQ: FCA2214 (QLA2340) ^{3, 5, 6, 17, 39, 65} , FCA2214DC (QLA2342) ^{3, 5, 6, 17, 39, 51} ; QLogic QLA2340-E-SP ^{3, 15, 17, 20}	FC-AL, FC-SW	Y21, 22, 23, 24, 25, 26, 27, 28, 29	
177	Netserver LH 3000; Proliant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7, 8} , 6000 ^{7, 8} , 6400R ⁷ , 6500 ^{7, 8} , 7000 ^{7, 8} , 8000 ^{7, 8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 10, 18}	HPQ: FCA2214 (QLA2340) ^{3, 5, 6, 17, 39, 65} , FCA2214DC (QLA2342) ^{3, 5, 6, 17, 39, 51} ; QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	Y21, 22, 23, 24, 25, 26, 27, 28, 29	
178	Proliant 800	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 10, 18}	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	Y21, 22, 23, 24, 25, 26, 27, 28, 29	
179	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 16, 30} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.3 ^{2, 10, 16, 18} , v2.4.9-E.9 ^{1, 2, 16} , v2.4.9-e.24 ^{2, 16, 48} , v2.4.9-e.25 ^{2, 16, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16} , v2.4.9-e.24 ^{2, 16, 48} , v2.4.9-e.25 ^{2, 16, 48} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ^{3, 5, 6, 17, 39, 65} , FCA2214DC (QLA2342) ^{3, 5, 6, 17, 39, 51}	FC-AL, FC-SW	N	
180	Proliant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7, 8} , 6000 ^{7, 8} , 6400R ⁷ , 6500 ^{7, 8} , 7000 ^{7, 8} , 800, 8000 ^{7, 8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380 ⁷ , DL580 ⁷ , ML350 ⁷	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2, 16} Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	N	
181	Proliant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7, 8} , 6000 ^{7, 8} , 6400R ⁷ , 6500 ^{7, 8} , 7000 ^{7, 8} , 8000 ^{7, 8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380 ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.3 ^{2, 10, 18} , v2.4.9-E.9 ^{1, 2, 16} , v2.4.9-e.24 ^{2, 16, 48} , v2.4.9-e.25 ^{2, 16, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16} , v2.4.9-e.24 ^{2, 16, 48} , v2.4.9-e.25 ^{2, 16, 48} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ^{3, 5, 6, 17, 39, 65} , FCA2214DC (QLA2342) ^{3, 5, 6, 17, 39, 51}	FC-AL, FC-SW	N	
182	Netserver LH 3000; Proliant: DL580(G2) ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.3 ^{2, 10, 18} , v2.4.9-E.9 ^{1, 2, 16} , v2.4.9-e.24 ^{2, 16, 48} , v2.4.9-e.25 ^{2, 16, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16} , v2.4.9-e.24 ^{2, 16, 48} , v2.4.9-e.25 ^{2, 16, 48} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ^{3, 5, 6, 17, 39, 65} , FCA2214DC (QLA2342) ^{3, 5, 6, 17, 39, 51}	FC-AL, FC-SW	N	
183	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: DL580(G2) ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.9 ^{1, 2, 16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	N	
184	Netserver LP 2000r	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 16} , v2.4.9-E.12 ^{1, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.3 ^{2, 10, 16, 18} , v2.4.9-E.9 ^{1, 16} , v2.4.9-e.24 ^{2, 16, 48} , v2.4.9-e.25 ^{2, 16, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16} , v2.4.9-e.24 ^{2, 16, 48} , v2.4.9-e.25 ^{2, 16, 48} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3, 5, 6, 17, 39, 65} , FCA2214DC (QLA2342) ^{3, 5, 6, 17, 39, 51}	FC-AL, FC-SW	N	
185	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 16} , v2.4.9-E.12 ^{1, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.9 ^{1, 16} , v2.4.9-e.24 ^{2, 16, 48} , v2.4.9-e.25 ^{2, 16, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16} , v2.4.9-e.24 ^{2, 16, 48} , v2.4.9-e.25 ^{2, 16, 48} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3, 5, 6, 17, 39, 65} , FCA2214DC (QLA2342) ^{3, 5, 6, 17, 39, 51}	FC-AL, FC-SW	Y22, 23, 24, 25, 26, 27, 28, 29	
186	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 16} , v2.4.9-E.12 ^{1, 16} , v2.4.9-E.16 ^{1, 16} , v2.4.9-E.3 ¹⁶ , v2.4.9-E.9 ^{1, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 16} , v2.4.9-e.16 ^{1, 16}	QLogic QLA2340-E-SP ^{3, 15, 20}	FC-AL, FC-SW	Y22, 23, 24, 25, 26, 27, 28, 29	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
187	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,16} , v2.4.9-E.12 ^{1,16} , v2.4.9-E.16 ^{1,16} , v2.4.9-E.3 ¹⁶ , v2.4.9-E.9 ^{1,16} , v2.4.9-e.24 ¹⁶ , v2.4.9-e.25 ¹⁶ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,16} , v2.4.9-e.16 ^{1,16} , v2.4.9-e.25 ¹⁶ , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3,5} , 6, 17, 39, 65 FCA2214DC (QLA2342) ^{3,5,6,17,39,51}	FC-AL, FC-SW ¹	N, Y22, 23, 24, 25, 26, 27, 28, 29	
188	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,16} , v2.4.9-E.12 ^{1,16} , v2.4.9-E.9 ^{1,16}	QLogic QLA2340-E-SP ^{3,15,20}	FC-AL, FC-SW ¹	Y22, 23, 24, 25, 26, 27, 28, 29	
189	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.10 ^{1,2,11,30} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,10,18} , v2.4.9-E.9 ^{1,2} , v2.4.9-E.9 ^{1,2,18} , v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ^{3,5} , 6, 17, 39, 65 FCA2214DC (QLA2342) ^{3,5,6,17,39,51}	FC-AL, FC-SW ¹	N	
190	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.10 ^{1,2,11,30} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW ¹	N	
191	Proliant ML750 ⁷	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.9 ^{1,2,18} , v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3,5} , 6, 17, 39, 65 FCA2214DC (QLA2342) ^{3,5,6,17,39,51}	FC-AL, FC-SW ¹	N	
192	Netserver LH 3000; Proliant: 1600 ^{7,9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6400R ⁷ , 6500 ^{7,8} , 7000 ^{7,8} , 8000 ^{7,8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3,5} , 6, 17, 39, 65 FCA2214DC (QLA2342) ^{3,5,6,17,39,51}	FC-AL, FC-SW ¹	Y22, 23, 24, 25, 26, 27, 28, 29	
193	Proliant ML750 ⁷	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3,5} , 6, 17, 39, 65 FCA2214DC (QLA2342) ^{3,5,6,17,39,51}	FC-AL, FC-SW ¹	Y12, 22, 23, 24, 25, 26, 27, 28, 29	
194	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,16} , v2.4.9-e.25 ^{2,16} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,16,48} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3,15,20,51}	FC-AL, FC-SW ¹	Y22, 23, 24, 25, 26, 27, 28, 29	
195	Netserver LH 3000; Proliant: 1600 ^{7,9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6400R ⁷ , 6500 ^{7,8} , 7000 ^{7,8} , 800, 8000 ^{7,8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3,15,20,51}	FC-AL, FC-SW ¹	Y22, 23, 24, 25, 26, 27, 28, 29	
196	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ¹⁶ , v2.4.9-e.25 ¹⁶ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ¹⁶ , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3,15,20,51}	FC-AL, FC-SW ¹	Y22, 23, 24, 25, 26, 27, 28, 29	
197	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1,2,16} , ES v2.4.9-e.12 ^{1,2,16} , ES v2.4.9-e.16 ^{1,2,16}	QLogic QLA2340-E-SP ^{3,15,17,20}	FC-AL, FC-SW ¹	Y22, 23, 24, 25, 26, 27, 28, 29	
198	Netserver LH 3000; Proliant: 1600 ^{7,9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6400R ⁷ , 6500 ^{7,8} , 7000 ^{7,8} , 800, 8000 ^{7,8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1,2} , ES v2.4.9-e.12 ^{1,2} , ES v2.4.9-e.16 ^{1,2}	QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW ¹	Y22, 23, 24, 25, 26, 27, 28, 29	
199	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{7,9} , 1850 ⁷ , 2500 ⁷ , 3000 ⁷ , 5000 ⁷ , 5500 ^{7,8} , 6000 ^{7,8} , 6400R ⁷ , 6500 ^{7,8} , 7000 ^{7,8} , 800, 8000 ^{7,8} , 8500, 850 ⁷ , DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2340-E-SP ³	FC-AL, FC-SW ¹	N	
200	Proliant: ML350(G2) ⁷ , ML350(G3), ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷	PCI	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.10 ^{1,2,11,30} , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW ¹	N	
201	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2,10,18}	HPQ: FCA2214 (QLA2340) ^{3,5} , 6, 17, 39, 65 FCA2214DC (QLA2342) ^{3,5,6,17,39,51} QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW ¹	Y21, 22, 23, 24, 25, 26, 27, 28, 29	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
202	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.32, 10, 18, 33	QLogic QLA2340-E-SP ^{3, 4, 5, 6, 17}	FC-AL, FC-SW ^{1, 2, 3}	N	
203	Proliant: DL360(G3), DL560	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2} , Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW ^{1, 2, 3}	N	
204	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 10, 18} , v2.4.9-E.9 ^{1, 2, 18} , v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} , v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ^{3, 5, 6, 17, 39, 65} , FCA2214DC (QLA2342) ^{3, 5, 6, 17, 39, 51}	FC-AL, FC-SW ^{1, 2, 3}	N	
205	Proliant DL740	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} , v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3, 5, 6, 17, 39, 65} , FCA2214DC (QLA2342) ^{3, 5, 6, 17, 39, 51}	FC-AL, FC-SW ^{1, 2, 3}	N	
206	Proliant: DL760 (G2), DL760 ⁷	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 10, 18} , v2.4.9-E.9 ^{1, 2, 18} , v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} , v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3, 5, 6, 17, 39, 65} , FCA2214DC (QLA2342) ^{3, 5, 6, 17, 39, 51}	FC-AL, FC-SW ^{1, 2, 3}	N	
207	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.3 ^{2, 10, 18, 33} , v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ^{3, 5, 6, 17, 39, 65} , FCA2214DC (QLA2342) ^{3, 5, 6, 17, 39, 51}	FC-AL, FC-SW ^{1, 2, 3}	N	
208	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} , v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3, 5, 6, 17, 39, 65} , FCA2214DC (QLA2342) ^{3, 5, 6, 17, 39, 51}	FC-AL, FC-SW ^{1, 2, 3}	Y ^{22, 23} , 24, 25, 26, 27, 28, 29	
209	Proliant: DL360(G3), DL560, DL760 (G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 15, 20, 51}	FC-AL, FC-SW ^{1, 2, 3}	Y ^{22, 23} , 24, 25, 26, 27, 28, 29	
210	Proliant: DL360(G3), DL560, DL760 (G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW ^{1, 2, 3}	Y ^{22, 23} , 24, 25, 26, 27, 28, 29	
211	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2340-E-SP ³	FC-AL, FC-SW ^{1, 2, 3}	N	
212	Proliant ML570(G2)	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.10 ^{1, 2, 11, 30} , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW ^{1, 2, 3}	N	
213	Proliant BL40p	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.3 ^{2, 10, 18} , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW ^{1, 2, 3}	N	
214	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW ^{1, 2, 3}	Y ^{22, 23} , 24, 25, 26, 27, 28, 29	
215	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 10, 18}	HPQ: FCA2214 (QLA2340) ^{3, 5, 6, 17, 39, 65} , FCA2214DC (QLA2342) ^{3, 5, 6, 17, 39, 51} , QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW ^{1, 2, 3}	Y ^{21, 22} , 23, 24, 25, 26, 27, 28, 29	
216	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2} , Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW ^{1, 2, 3}	N	
217	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 10, 18} , v2.4.9-E.9 ^{1, 2, 18} , v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} , v2.4.9-e.24 ^{2, 48} , v2.4.9-e.25 ^{2, 48} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ^{3, 5, 6, 17, 39, 65} , FCA2214DC (QLA2342) ^{3, 5, 6, 17, 39, 51}	FC-AL, FC-SW ^{1, 2, 3}	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
218	Proliant DL580(G2) ⁷	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.9 ^{1,2,18} , v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3,5} , 6, 17, 39, 65 FCA2214DC (QLA2342) ^{3,5,6,17,39,51}	FC-AL, FC-SW ¹⁹	N	
219	Proliant: DL580(G2) ⁷ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1,2} , v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3,5} , 6, 17, 39, 65 FCA2214DC (QLA2342) ^{3,5,6,17,39,51}	FC-AL, FC-SW ¹⁹	Y ^{22,23} , 24, 25, 26, 27, 28, 29	
220	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,48} , v2.4.9-e.25 ^{2,48} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3,15} , 20, 51	FC-AL, FC-SW ¹⁹	Y ^{22,23} , 24, 25, 26, 27, 28, 29	
221	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2340-E-SP ³	FC-AL, FC-SW ¹⁹	N	
222	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ⁷ , 800, 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{13,43,44,45} , 46, 47	FC-AL, FC-SW ¹⁹	Y	
223	Proliant: DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{13,43,44,45} , 46, 47	FC-AL, FC-SW ¹⁹	Y	
224	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{13,43,44,45} , 46, 47	FC-AL, FC-SW ¹⁹	Y	
225	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ⁷ , 800, 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002DC-E ^{13,19,43} , 44, 45, 46, 52, 53	FC-AL, FC-SW ¹⁹	Y ^{24,25} , 26, 27, 28, 29	
226	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ⁷ , 800, 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{13,19,43} , 44, 45, 46, 52, 53	FC-AL, FC-SW ¹⁹	Y ^{23,24} , 25, 26, 27, 28, 29, 59	
227	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ⁷ , 800, 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{13,19,43,44} , 45, 46, 47	FC-AL, FC-SW ¹⁹	Y	
228	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002DC-E ^{13,19,43} , 44, 45, 46, 52, 53	FC-AL, FC-SW ¹⁹	Y ^{24,25} , 26, 27, 28, 29	
229	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{13,19,43} , 44, 45, 46, 52, 53	FC-AL, FC-SW ¹⁹	N	
230	Proliant DL360(G3)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{13,43,44,45} , 46, 47	FC-AL, FC-SW ¹⁹	Y	
231	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{43,44,45,46} , 47	FC-AL, FC-SW ¹⁹	Y	
232	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{13,19,43} , 44, 45, 46, 52, 53	FC-AL, FC-SW ¹⁹	Y ^{23,24} , 25, 26, 27, 28, 29, 59	
233	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{13,19,43,44} , 45, 46, 47	FC-AL, FC-SW ¹⁹	Y	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
234	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ^{13, 19, 43, 44, 45, 46, 52, 53}	FC–AL, FC–SW ^{19, 50}	Y ^{24, 25, 26, 27, 28, 29}	
235	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{13, 19, 43, 44, 45, 46, 52, 53}	FC–AL, FC–SW ^{19, 50}	Y ^{23, 24, 25, 26, 27, 28, 29, 59}	
236	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{13, 19, 43, 44, 45, 46, 47}	FC–AL, FC–SW ^{19, 50}	Y	
237	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ⁷ , 800, 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{13, 43, 44, 45, 46, 47, 49}	FC–AL, FC–SW ⁵⁰	Y ^{24, 25, 26, 27, 28, 29}	
238	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ⁷ , 800, 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL580(G2) ⁷ , DL580 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML570 ⁷ , ML750 ¹²	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{13, 43, 44, 45, 46, 47, 49}	FC–AL, FC–SW ⁵⁰	Y ^{23, 24, 25, 26, 27, 28, 29, 59}	
239	Proliant DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{13, 43, 44, 45, 46, 47, 49}	FC–AL, FC–SW ⁵⁰	Y ^{24, 25, 26, 27, 28, 29}	
240	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{43, 44, 46, 47, 49}	FC–AL, FC–SW ⁵⁰	N	
241	Proliant DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁷ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{13, 43, 44, 45, 46, 47, 49}	FC–AL, FC–SW ⁵⁰	Y ^{23, 24, 25, 26, 27, 28, 29, 59}	
242	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 48} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{13, 43, 44, 45, 46, 47, 49}	FC–AL, FC–SW ⁵⁰	Y ^{24, 25, 26, 27, 28, 29}	
243	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{13, 43, 44, 45, 46, 47, 49}	FC–AL, FC–SW ⁵⁰	Y ^{23, 24, 25, 26, 27, 28, 29, 59}	

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Host must be offline for CLARiiON–licensed (Flare) upgrade and Storage Processor replacement.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- Driver Version v6.05.00.
- Driver Version v6.x series. Supports persistent binding and only supports Class 3.
- Compaq servers that are rack–mountable (designated by Compaq with an "R") are supported.
- Includes both Pentium PRO and XEON models
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32–bit, this shielding prohibits 64–bit HBAs from properly seating in the PCI slots. To accommodate 64–bit HBAs, this shielding must be removed, or modified to allow the 64–bit HBA to fully seat in the 32–bit slots.
- Supported with QLogic driver v6.05.00.
- Requires v6.0.5 or higher Navisphere host Agent/CLI.
- HPQ Proliant servers that are rack–mountable (designated with an "R") are supported.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Requires QLogic driver v6.04.01 (included in 2.4.9–e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
- Requires v6.2.1 or higher Navisphere host agent/CLI.
- Single HBA zoning is required regardless of the switch being utilized.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- This kernel is limited to 110 devices, not 128.
- Requires QLogic driver 4.47.18 driver disk, dd.img–i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Only one HBA is qualified for use in the Linux host when booting from the CLARiiON via fabric.
- Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- This system is supported with Red Hat 2.1 Advanced Server v2.4.9–E.3 and updated with v2.4.9–E.9, E.10, and E.12 RPMs.
- Requires QLogic driver 4.47.18 and BIOS 1.83.
- Install with driver provided by RedHat Installer and upgrade to the EMC–approved driver after installation.
- The kernel version listed is included in the corresponding standard distributed release.
- Requires v6.05 or higher Navisphere host agent/CLI.
- For fabric boot support, install with driver provided by RedHat Installer and upgrade to the EMC–approved driver after installation.
- Requires QLogic driver v6.05.00 and BIOS v1.83 for QLA2200F and BIOS v1.34 for QLA2310F, QLA2340–E–SP, and QLA2342–E–SP available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Requires BIOS v1.83 for QLA2200F and BIOS v1.34 for QLA2310F, QLA2340–E–SP, and QLA2342–E–SP available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- This HBA is equivalent to the QLogic QLA2310.
- Driver Version v6.04.02.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Dual port PCI–X fibre channel mezzanine card option is embedded. No PCI/PCI–X slots available.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**

44. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
45. Emulex driver and BIOS available from <http://www.emulex.com>.
46. Driver Version 1.23a.
47. FCode value 1.63a2.
48. This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
49. The LP9002-E now ships with the LP9002L-E low profile adapter.
50. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
51. Driver Version v6.04.01.
52. Firmware Version 3.90a7.
53. FCode value 1.63a.
54. Linux v2.4.x Kernels support a maximum of 128 devices per system.
55. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
56. Firmware Version 1.80a2.
57. Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
58. Firmware Version 1.01a2.
59. Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.
60. This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
61. PowerPath v3.02 not supported on this system.
62. Firmware Version 1.02a0.
63. Firmware Version v3.90a7.
64. Driver Version v1.22e.
65. Driver Version v6.04.01. Supports persistent binding and only supports Class 3.
66. **QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
67. Firmware Version 1.80a3.

IBM

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ¹ , 2, 4, 5, 12	QLogic QLA2200F-EMC ^{3, 6, 7, 8, 9}	FC-AL, FC-SW	N	
2	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ¹ , 2, 5, 12	QLogic QLA2200F-EMC ^{3, 4}	FC-AL, FC-SW	N	
3	Netfinity 6000R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ²	QLogic QLA2200F ^{3, 6, 8, 9}	FC-AL, FC-SW	Y ^{4, 17, 18, 20, 21, 22, 23, 24, 25, 26, 34, 35}	
4	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ² , 4, 17	IBM: 00N6881 (QLA2200) ^{6, 8, 9, 16, 28, 30} , 19K1246(QLA2310) ^{6, 8, 9, 15, 16} , 24P0960(QLA2340) ^{6, 8, 9, 16, 29}	FC-AL, FC-SW	Y ^{18, 21, 22, 23, 24, 25, 26}	
5	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ² , 4, 17	IBM: 00N6881 (QLA2200) ^{6, 8, 9, 16, 28} , 19K1246(QLA2310) ^{6, 8, 9, 15, 16} , 24P0960(QLA2340) ^{6, 8, 9, 16, 29}	FC-AL, FC-SW	Y ^{18, 21, 22, 23, 24, 25, 26, 33}	
6	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ² , 4, 17	IBM: 00N6881 (QLA2200) ^{6, 8, 9, 16, 28} , 19K1246(QLA2310) ^{6, 8, 9, 15, 16} , 24P0960(QLA2340) ^{6, 8, 9, 16, 29}	FC-AL, FC-SW	Y ^{18, 21, 22, 23, 24, 25, 26}	
7	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ² , 4, 17	IBM: 19K1246(QLA2310) ^{6, 8, 9, 15, 16} , 24P0960(QLA2340) ^{6, 8, 9, 16, 29} ; QLogic QLA2200F	FC-AL, FC-SW	Y ^{18, 21, 22, 23, 24, 25, 26}	
8	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ² , 4, 17	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	
9	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 33, 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ² , 4, 17	QLogic QLA2200F ^{3, 4, 5, 6, 8, 9}	FC-AL, FC-SW	Y ^{18, 20, 21, 22, 23, 24, 25, 26, 34, 35}	
10	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ² , 4, 17	QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 26, 33}	
11	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ² , 4, 17	QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 26}	
12	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ² , 4, 17	QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	Y ^{18, 20, 21, 22, 23, 24, 25, 26}	
13	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 5}	FC-AL, FC-SW	N	
14	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{1, 2, 17}	QLogic QLA2310F-E-SP ^{3, 6, 8}	FC-AL, FC-SW	N	
15	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{1, 2, 17}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW	N	
16	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 5, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 6, 8, 14}	FC-AL, FC-SW	N	
17	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 5, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
18	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,5,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,4,17} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
19	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,5,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,4,17} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
20	Netfinity 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,5,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,4,17} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	QLogic: QLA2310F-E-SP ^{3,14} , QLA2342-E-SP	FC-AL, FC-SW	N	
21	Netfinity 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,5,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,4,17} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	IBM: 00N6881 (QLA2200) ^{6,8,9,16,28} , 19K1246(QLA2310) ^{6,8,9,15,16} , 24P0960(QLA2340) ^{6,8,9,16,29}	FC-AL, FC-SW	N	
22	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,5,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,4} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ³	FC-AL, FC-SW	N	
23	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,5,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.9 ^{1,2,17} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2}	QLogic QLA2342-E-SP ³	FC-AL, FC-SW	N	
24	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,5,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2}	IBM: 19K1246(QLA2310) ^{6,8,9,15,16} , 24P0960(QLA2340) ^{6,8,9,16,29} ; QLogic: QLA2200F, QLA2310F-E-SP ^{3,14}	FC-AL, FC-SW	N	
25	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,5,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	IBM 00N6881 (QLA2200) ^{6,8,9,16,28,30} ; QLogic QLA2310F-E-SP ^{3,14}	FC-AL, FC-SW	N	
26	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ^{10,33} , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,5,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	IBM 00N6881 (QLA2200) ^{6,8,9,16,28} ; QLogic QLA2310F-E-SP ^{3,14}	FC-AL, FC-SW	N	
27	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,5,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	IBM: 19K1246(QLA2310) ^{6,8,9,15,16} , 24P0960(QLA2340) ^{6,8,9,16,29}	FC-AL, FC-SW	N	
28	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.9 ^{1,2,17} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2}	IBM 19K1246(QLA2310) ^{3,6,8,15,16}	FC-AL, FC-SW	N	
29	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ^{10,33} , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,5,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2}	QLogic QLA2200F ^{3,6,8,9}	FC-AL, FC-SW	N	
30	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2}	QLogic QLA2200F-EMC ^{3,4,5,6,7,8,9}	FC-AL, FC-SW	N	
31	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	QLogic QLA2200F-EMC ^{3,4,5}	FC-AL, FC-SW	N	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
32	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.32 ⁴ ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 6, 8, 9}	FC-AL, FC-SW	N	
33	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ^{10, 33} , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37}	QLogic QLA2200F ^{3, 7, 27, 38, 39}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35}	
34	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37}	QLogic QLA2200F ^{3, 7, 27, 38, 39}	FC-AL, FC-SW	N	
35	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37}	QLogic QLA2200F ^{7, 27, 38, 39}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
36	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 7, 27, 40, 41}	FC-AL, FC-SW	Y ^{19, 20, 21, 22, 23, 24, 25, 26, 33}	
37	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 7, 27, 40, 41}	FC-AL, FC-SW	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
38	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 7, 27, 40, 41}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26}	
39	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{6, 7, 27, 38, 40, 41}	FC-AL, FC-SW	N	
40	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 27, 39, 41} , QLA2310F-E-SP ^{3, 7, 27, 40, 41} , QLA2342-E-SP ^{6, 7, 27, 38, 40, 41}	FC-AL, FC-SW	N	
41	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 27, 39, 41} , QLA2342-E-SP ^{3, 6, 7, 27, 38, 40, 41}	FC-AL, FC-SW	N	
42	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 27, 39, 41} , QLA2342-E-SP ^{6, 7, 27, 38, 40, 41}	FC-AL, FC-SW	N	
43	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic: QLA2310F-E-SP ^{3, 7, 27, 40, 41} , QLA2340-E-SP ^{3, 7, 40, 41}	FC-AL, FC-SW	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
44	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ²	IBM 19K1246(QLA2310) ^{7, 15, 27, 38, 40}	FC-AL, FC-SW	N	
45	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ²	IBM: 00N6881 (QLA2200) ^{3, 7, 27, 28, 38, 39, 47} , 19K1246(QLA2310) ^{7, 15, 27, 38, 40} , 24P0960(QLA2340) ^{3, 7, 27, 29, 38, 40}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 33}	
46	Netfinity 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ²	IBM: 00N6881 (QLA2200) ^{3, 7, 27, 28, 38, 39, 47} , 19K1246(QLA2310) ^{7, 15, 27, 38, 40} , 24P0960(QLA2340) ^{3, 7, 27, 29, 38, 40}	FC-AL, FC-SW	N	
47	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ²	IBM: 00N6881 (QLA2200) ^{3, 7, 27, 28, 38, 39, 47} , 19K1246(QLA2310) ^{7, 15, 27, 38, 40} , 24P0960(QLA2340) ^{3, 7, 27, 29, 38, 40}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
48	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ²	IBM: 19K1246(QLA2310) ^{7, 15, 27, 38, 40} , 24P0960(QLA2340) ^{3, 7, 27, 29, 38, 40}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
49	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802DC–E ^{27, 42, 43, 44, 45, 46}	FC–AL, FC–SW	Y	
50	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802DC–E ^{27, 42, 43, 45, 46}	FC–AL, FC–SW	Y	
51	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{27, 38, 43, 44, 45, 46, 68, 69}	FC–AL, FC–SW	N	
52	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{27, 38, 43, 44, 45, 46, 68, 69}	FC–AL, FC–SW	Y ^{21, 22,} 23, 24, 25, 26	
53	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.3 ^{2, 4, 17} , v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F–EMC ^{3, 5}	FC–AL, FC–SW	N	
54	Netfinity 8500R	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	IBM: 00N6881 (QLA2200) ^{6, 8, 9, 16, 28, 30,} 19K1246(QLA2310) ^{6, 8, 9, 15, 16,} 24P0960(QLA2340) ^{6, 8, 9, 16, 29}	FC–AL, FC–SW	Y ^{21, 22,} 23, 24, 25, 26	
55	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	IBM: 00N6881 (QLA2200) ^{6, 8, 9, 16, 28,} 19K1246(QLA2310) ^{6, 8, 9, 15, 16,} 24P0960(QLA2340) ^{6, 8, 9, 16, 29}	FC–AL, FC–SW	Y ^{21, 22,} 23, 24, 25, 26, 33	
56	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	IBM: 00N6881 (QLA2200) ^{6, 8, 9, 16, 28,} 19K1246(QLA2310) ^{6, 8, 9, 15, 16,} 24P0960(QLA2340) ^{6, 8, 9, 16, 29}	FC–AL, FC–SW	Y ^{21, 22,} 23, 24, 25, 26	
57	xSeries X335	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	IBM: 19K1246(QLA2310) ^{6, 8, 9, 15, 16,} 24P0960(QLA2340) ^{6, 8, 9, 16, 29} ; QLogic QLA2200F	FC–AL, FC–SW	Y ^{21, 22,} 23, 24, 25, 26	
58	Netfinity 6000R	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	QLogic QLA2200F ^{3, 6, 8, 9}	FC–AL, FC–SW	Y ^{20, 21,} 22, 23, 24, 25, 26, 34, 35	
59	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	QLogic QLA2310F–E–SP ^{3, 14}	FC–AL, FC–SW	Y ^{19, 20,} 21, 22, 23, 24, 25, 26, 33	
60	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	QLogic QLA2310F–E–SP ^{3, 14}	FC–AL, FC–SW	Y ^{19, 20,} 21, 22, 23, 24, 25, 26	
61	xSeries X335	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	QLogic QLA2310F–E–SP ^{3, 14}	FC–AL, FC–SW	Y ^{20, 21,} 22, 23, 24, 25, 26	
62	Netfinity 8500R	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	QLogic: QLA2310F–E–SP ^{3, 14} , QLA2340–E–SP ^{3,} 14	FC–AL, FC–SW	Y ^{19, 20,} 21, 22, 23, 24, 25, 26	
63	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 33, 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2200F ^{3, 4, 5, 6, 8, 9}	FC–AL, FC–SW	Y ^{20, 21,} 22, 23, 24, 25, 26, 34, 35	
64	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27	Emulex: LP10000–E ^{38, 42, 45, 46, 48, 53, 54,} LP10000DC–E ^{3, 38, 42, 45, 46, 48, 53, 54,} LP1050–E ^{27,} 38, 42, 43, 44, 45, 46, 70, LP1050DC–E ^{27, 38, 42, 43, 44,} 45, 46, 70	FC–AL, FC–SW	Y ^{21, 22,} 23, 24, 25, 26, 55	
65	Netfinity 8500	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{38, 42, 45, 46, 48, 53, 54,} LP10000DC–E ^{3, 38, 42, 45, 46, 48, 53, 54,} LP1050–E ^{27,} 38, 42, 43, 44, 45, 46, 70, LP1050DC–E ^{27, 38, 42, 43, 44,} 45, 46, 70	FC–AL, FC–SW	N	
66	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{38, 42, 45, 46, 48, 53, 54,} LP10000DC–E ^{3, 38, 42, 45, 46, 48, 53, 54,} LP1050–E ^{27,} 38, 42, 43, 44, 45, 46, 70, LP1050DC–E ^{27, 38, 42, 43, 44,} 45, 46, 70	FC–AL, FC–SW	N	See ⁵²
67	xSeries x345	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM 19K1246(QLA2310) ^{3, 7, 15, 27, 38, 40, 41,} QLogic QLA2200F ^{3, 7, 27, 38, 39, 41}	FC–AL, FC–SW	N	
68	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM: 00N6881 (QLA2200) ^{3, 7, 27, 28, 38, 39, 41, 47,} 19K1246(QLA2310) ^{7, 15, 27, 38, 40, 41} 24P0960(QLA2340) ^{3, 6, 7, 27, 29, 38, 40, 41}	FC–AL, FC–SW	Y ^{21, 22,} 23, 24, 25, 26, 33	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
69	Netfinity 8500	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM: 00N6881 (QLA2200) ^{3, 7, 27, 28, 38, 39, 41, 47, 19K1246(QLA2310)^{7, 15, 27, 38, 40, 41, 24P0960(QLA2340)^{3, 6, 7, 27, 29, 38, 40, 41}}}	FC-AL, FC-SW	N	
70	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM: 00N6881 (QLA2200) ^{3, 7, 27, 28, 38, 39, 41, 47, 19K1246(QLA2310)^{7, 15, 27, 38, 40, 41, 24P0960(QLA2340)^{3, 6, 7, 27, 29, 38, 40, 41}}}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
71	xSeries X335	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM: 19K1246(QLA2310) ^{7, 15, 27, 38, 40, 41, 24P0960(QLA2340)^{3, 6, 7, 27, 29, 38, 40, 41}} ; QLogic QLA2200F ^{7, 27, 38, 39, 41}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
72	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ^{10, 33} , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F ^{3, 7, 27, 38, 39, 41}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35}	
73	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{64, 65}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 33, 34, 35, 63}	
74	Netfinity 8500	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{64, 65}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35}	
75	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{64, 65}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35, 63}	
76	Netfinity 6000R	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{64, 65} ; QLogic QLA2200F	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35}	
77	Netfinity 8500R	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{64, 65} ; QLogic: QLA2200F–EMC ^{3, 6, 8} , QLA2310F–E–SP ³ , QLA2342–E–SP ^{3, 9, 38}	FC-AL, FC-SW	N	
78	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{64, 65} ; QLogic: QLA2200F–EMC ³ , QLA2310F–E–SP ³ , QLA2342–E–SP ^{3, 9, 38}	FC-AL, FC-SW	N	
79	xSeries x345	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{64, 65} ; QLogic: QLA2310F–E–SP ³ , QLA2342–E–SP ^{3, 9, 38}	FC-AL, FC-SW	N	
80	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x345, x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC-AL, FC-SW	Y	
81	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	IBM 00N6881 (QLA2200) ^{6, 8, 9, 16, 28}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 33, 34, 63}	
82	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	IBM 00N6881 (QLA2200) ^{6, 8, 9, 16, 28}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 34, 63}	
83	Netfinity 8500R	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	IBM 00N6881 (QLA2200) ^{6, 8, 9, 16, 28, 30}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 34, 63}	
84	Netfinity: 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x345, x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{27, 38, 42, 43, 44, 45, 46}	FC-AL, FC-SW	Y	
85	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{38, 42, 45, 46, 48, 53, 54, LP10000DC–E^{3, 38, 42, 45, 46, 48, 53, 54, LP1050–E^{27, 38, 42, 43, 44, 45, 46, 70, LP1050DC–E^{27, 38, 42, 43, 44, 45, 46, 70}}}}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
86	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 6, 8, 9}	FC-AL, FC-SW	N	
87	xSeries x345	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2310F–E–SP ^{3, 14}	FC-AL, FC-SW	N	
88	Netfinity 8500R	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{3, 4, 5, 6, 7, 8} , QLA2200F ^{3, 4, 5, 6, 8, 9}	FC-AL, FC-SW	N	
89	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 4, 17} , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC-AL, FC-SW	N	
90	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ^{1, 2, 5, 12}	QLogic QLA2200F–EMC ^{3, 4}	FC-AL, FC-SW	N	
91	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ²	QLogic QLA2200F ^{3, 9, 31, 32}	FC-AL, FC-SW	Y ^{4, 17, 18, 20, 21, 22, 23, 24, 25, 26}	
92	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 4, 17}	IBM: 00N6881 (QLA2200) ^{6, 8, 9, 16, 28, 19K1246(QLA2310)^{6, 8, 9, 15, 16, 24P0960(QLA2340)^{6, 8, 9, 16, 29}}}	FC-AL, FC-SW	Y ^{18, 21, 22, 23, 24, 25, 26}	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
93	xSeries: x255 ¹¹ , x360 ¹¹	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ² , 4, 17	QLogic QLA2200F ^{3, 4, 5, 6, 8, 9}	FC-AL, FC-SW	Y ^{18, 20, 21, 22, 23, 24, 25, 26, 34, 35}	
94	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ² , 4, 17	QLogic QLA2200F ^{3, 4, 5, 9, 31, 32}	FC-AL, FC-SW	Y ^{18, 20, 21, 22, 23, 24, 25, 26}	
95	xSeries x255	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ² , 4, 17	QLogic QLA2310F–E–SP ^{3, 14}	FC-AL, FC-SW	Y ^{11, 18, 19, 20, 21, 22, 23, 24, 25, 26}	
96	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ² , 4, 17	QLogic QLA2310F–E–SP ^{3, 14}	FC-AL, FC-SW	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 26}	
97	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ² , 4, 17, 36	QLogic QLA2200F ^{3, 4, 5, 6, 8, 9}	FC-AL, FC-SW	Y ^{18, 20, 21, 22, 23, 24, 25, 26, 34, 35}	
98	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 12} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ² , 4, 17, 36, v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC-AL, FC-SW	N	
99	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 12} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ² , 4, 17, v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic QLA2342–E–SP	FC-AL, FC-SW	N	
100	xSeries x360 ¹¹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 12} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ² , 4, 17, v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC-AL, FC-SW	N	
101	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 12} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2}	IBM: 00N6881 (QLA2200) ^{6, 8, 9, 16, 28} , 19K1246(QLA2310) ^{6, 8, 9, 15, 16} , 24P0960(QLA2340) ^{6, 8, 9, 16, 29} ; QLogic QLA2310F–E–SP ^{3, 14}	FC-AL, FC-SW	N	
102	xSeries x360 ¹¹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 12} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	IBM 00N6881 (QLA2200) ^{6, 8, 9, 16, 28} ; QLogic QLA2310F–E–SP ^{3, 14}	FC-AL, FC-SW	N	
103	xSeries x360 ¹¹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 12} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	IBM: 19K1246(QLA2310) ^{6, 8, 9, 15, 16} , 24P0960(QLA2340) ^{6, 8, 9, 16, 29}	FC-AL, FC-SW	N	
104	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 12} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{6, 8, 9} , QLA2310F–E–SP ^{6, 8, 9} , QLA2340–E–SP ^{6, 8, 9}	FC-AL, FC-SW	N	
105	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	IBM 19K1246(QLA2310) ¹⁵	FC-AL, FC-SW	N	
106	xSeries: x235, x255 ¹¹ , x360 ¹¹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F ^{3, 6, 8, 9}	FC-AL, FC-SW	N	
107	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F ^{3, 9, 31, 32}	FC-AL, FC-SW	N	
108	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic QLA2200F–EMC ^{3, 4, 5}	FC-AL, FC-SW	N	
109	xSeries x360 ¹¹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F–EMC ^{3, 4, 5}	FC-AL, FC-SW	N	
110	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ² , 4, 17, 36; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic: QLA2200F–EMC ^{3, 5, 6, 8, 9} , QLA2310F–E–SP ^{3, 6, 8, 9, 14} , QLA2340–E–SP ^{3, 6, 8, 9, 14}	FC-AL, FC-SW	N	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
111	xSeries x255	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 4, 17} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic: QLA2200F-EMC ^{3, 5} , QLA2342-E-SP	FC-AL, FC-SW	N	
112	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37}	QLogic QLA2200F ^{3, 7, 27, 38, 39}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26}	
113	xSeries: x235, x255 ¹¹ , x360 ¹¹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37}	QLogic QLA2200F ^{3, 7, 27, 38, 39}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35}	
114	xSeries x255	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 7, 27, 40, 41}	FC-AL, FC-SW	Y ^{11, 19, 20, 21, 22, 23, 24, 25, 26}	
115	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 7, 27, 40, 41}	FC-AL, FC-SW	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
116	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 27, 39, 41} , QLA2310F-E-SP ^{3, 7, 27, 40, 41} , QLA2340-E-SP ^{3, 7, 40, 41} , QLA2342-E-SP ^{6, 7, 27, 38, 40, 41}	FC-AL, FC-SW	N	
117	xSeries: x255, x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 27, 39, 41} , QLA2342-E-SP ^{6, 7, 27, 38, 40, 41}	FC-AL, FC-SW	N	
118	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ²	IBM 19K1246(QLA2310) ^{7, 15, 27, 38, 40}	FC-AL, FC-SW	N	
119	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ²	IBM: 00N6881 (QLA2200) ^{3, 7, 27, 28, 38, 39, 47} , 19K1246(QLA2310) ^{7, 15, 27, 38, 40} , 24P0960(QLA2340) ^{3, 7, 27, 29, 38, 40}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
120	xSeries: x255, x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{27, 42, 43, 44, 45, 46}	FC-AL, FC-SW	Y	
121	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{27, 42, 43, 45, 46}	FC-AL, FC-SW	Y	
122	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{27, 38, 43, 44, 45, 46, 68, 69}	FC-AL, FC-SW	N	
123	xSeries: x255, x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{27, 38, 43, 44, 45, 46, 68, 69}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
124	eServer BladeCenter HS20 (Model 8678) ⁵⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{66, 67}	FC-AL, FC-SW	Y	
125	eServer BladeCenter HS20 (Model 8832) ⁵⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁶² , v2.4.9-e.25 ⁶² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁶² , v2.4.9-e.25 ⁶² , v2.4.9-e.27	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{66, 67}	FC-AL, FC-SW	Y	
126	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{2, 4, 17} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 5}	FC-AL, FC-SW	N	
127	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	IBM: 00N6881 (QLA2200) ^{6, 8, 9, 16, 28} , 19K1246(QLA2310) ^{6, 8, 9, 15, 16} , 24P0960(QLA2340) ^{6, 8, 9, 16, 29}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
128	xSeries x255 ¹¹	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F ^{3, 4, 5, 6, 8, 9}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35}	
129	xSeries x255	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	Y ^{11, 19, 20, 21, 22, 23, 24, 25, 26}	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
130	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
131	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic: QLA2200F ^{3, 4, 5, 9, 31, 32} , QLA2200F ^{3, 9, 31, 32}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26}	
132	xSeries: x235, x360 ¹¹	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F ^{3, 4, 5, 6, 8, 9}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35}	
133	xSeries: x255, x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex: LP10000-E ^{38, 42, 45, 46, 48, 53, 54} , LP10000DC-E ^{3, 38, 42, 45, 46, 48, 53, 54} , LP1050-E ^{27, 38, 42, 43, 44, 45, 46, 70} , LP1050DC-E ^{27, 38, 42, 43, 44, 45, 46, 70}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 55}	
134	xSeries x235	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{38, 42, 45, 46, 48, 53, 54} , LP10000DC-E ^{3, 38, 42, 45, 46, 48, 53, 54} , LP1050-E ^{27, 38, 42, 43, 44, 45, 46, 70} , LP1050DC-E ^{27, 38, 42, 43, 44, 45, 46, 70}	FC-AL, FC-SW	N	
135	xSeries: x360, x440	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{38, 42, 45, 46, 48, 53, 54} , LP10000DC-E ^{3, 38, 42, 45, 46, 48, 53, 54} , LP1050-E ^{27, 38, 42, 43, 44, 45, 46, 70} , LP1050DC-E ^{27, 38, 42, 43, 44, 45, 46, 70}	FC-AL, FC-SW	N	See ⁵²
136	xSeries x235	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	IBM 19K1246(QLA2310) ^{7, 15, 27, 38, 40, 41}	FC-AL, FC-SW	N	
137	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	IBM: 00N6881 (QLA2200) ^{3, 7, 27, 28, 38, 39, 41, 47} , 19K1246(QLA2310) ^{7, 15, 27, 38, 40, 41} , 24P0960(QLA2340) ^{3, 6, 7, 27, 29, 38, 40, 41}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
138	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{3, 7, 27, 38, 39, 41}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26}	
139	xSeries: x235, x255 ¹¹ , x360 ¹¹	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{3, 7, 27, 38, 39, 41}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35}	
140	xSeries x235	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{64, 65}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35}	
141	xSeries x360 ¹¹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{64, 65}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35, 63}	
142	xSeries x255	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{64, 65} , QLogic QLA2200F	FC-AL, FC-SW	Y ^{11, 20, 21, 22, 23, 24, 25, 26, 34, 35}	
143	xSeries x235	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{64, 65} , QLogic QLA2342-E-SP ^{3, 9, 38}	FC-AL, FC-SW	N	
144	xSeries x360 ¹¹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{64, 65} , QLogic: QLA2200F-EMC ³ , QLA2310F-E-SP ³ , QLA2342-E-SP ^{3, 9, 38}	FC-AL, FC-SW	N	
145	xSeries: x235, x255, x360 ¹¹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	FC-AL, FC-SW	Y	
146	xSeries x360 ¹¹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	IBM 00N6881 (QLA2200) ^{6, 8, 9, 16, 28}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 34, 63}	
147	xSeries: x235, x255, x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{27, 38, 42, 43, 44, 45, 46}	FC-AL, FC-SW	Y	
148	xSeries: x255, x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{38, 42, 45, 46, 48, 53, 54} , LP10000DC-E ^{3, 38, 42, 45, 46, 48, 53, 54} , LP1050-E ^{27, 38, 42, 43, 44, 45, 46, 70} , LP1050DC-E ^{27, 38, 42, 43, 44, 45, 46, 70}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
149	xSeries: x235, x360 ¹¹	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 6, 8, 9}	FC-AL, FC-SW	N	
150	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{1, 2, 5, 12}	QLogic QLA2200F-EMC ^{3, 4}	FC-AL, FC-SW	N	
151	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 4, 17}	IBM: 00N6881 (QLA2200) ^{6, 8, 9, 16, 28} , 19K1246(QLA2310) ^{6, 8, 9, 15, 16} , 24P0960(QLA2340) ^{6, 8, 9, 16, 29}	FC-AL, FC-SW	Y ^{18, 21, 22, 23, 24, 25, 26}	
152	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 4, 17}	QLogic QLA2200F ^{3, 4, 5, 9, 31, 32}	FC-AL, FC-SW	Y ^{18, 20, 21, 22, 23, 24, 25, 26}	
153	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 4, 17}	QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 26}	
154	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 5, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	N	
155	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 5, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 4, 17} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
156	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 5, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	IBM: 00N6881 (QLA2200) ^{6, 8, 9, 16, 28} , 19K1246(QLA2310) ^{6, 8, 9, 15, 16} , 24P0960(QLA2340) ^{6, 8, 9, 16, 29} , QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	N	
157	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F ^{3, 9, 31, 32}	FC-AL, FC-SW	N	
158	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	
159	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37}	QLogic QLA2200F ^{3, 7, 27, 38, 39}	FC-AL, FC-SW	Y ^{20, 21} , 22, 23, 24, 25, 26	
160	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 7, 27, 40, 41}	FC-AL, FC-SW	N	
161	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 7, 27, 40, 41}	FC-AL, FC-SW	Y ^{19, 20} , 21, 22, 23, 24, 25, 26	
162	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 27, 39, 41} , QLA2342-E-SP ^{6, 7, 27, 38, 40, 41}	FC-AL, FC-SW	N	
163	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ²	IBM: 00N6881 (QLA2200) ^{3, 7, 27, 28, 38, 39, 47} , 19K1246(QLA2310) ^{7, 15, 27, 38, 40} , 24P0960(QLA2340) ^{3, 7, 27, 29, 38, 40}	FC-AL, FC-SW	Y ^{21, 22} , 23, 24, 25, 26	
164	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{27, 42, 43, 44, 45, 46}	FC-AL, FC-SW	Y	
165	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{27, 42, 43, 45, 46}	FC-AL, FC-SW	Y	
166	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{27, 38, 43, 44, 45, 46, 68, 69}	FC-AL, FC-SW	N	
167	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{27, 38, 43, 44, 45, 46, 68, 69}	FC-AL, FC-SW	Y ^{21, 22} , 23, 24, 25, 26	
168	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{2, 4, 17} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 5}	FC-AL, FC-SW	N	
169	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	IBM: 00N6881 (QLA2200) ^{6, 8, 9, 16, 28} , 19K1246(QLA2310) ^{6, 8, 9, 15, 16} , 24P0960(QLA2340) ^{6, 8, 9, 16, 29}	FC-AL, FC-SW	Y ^{21, 22} , 23, 24, 25, 26	
170	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F ^{3, 4, 5, 9, 31, 32}	FC-AL, FC-SW	Y ^{20, 21} , 22, 23, 24, 25, 26	
171	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	Y ^{19, 20} , 21, 22, 23, 24, 25, 26	
172	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex: LP10000-E ^{38, 42, 45, 46, 48, 53, 54} , LP10000DC-E ^{3, 38, 42, 45, 46, 48, 53, 54} , LP1050-E ²⁷ , 38, 42, 43, 44, 45, 46, 70, LP1050DC-E ²⁷ ; 38, 42, 43, 44, 45, 46, 70	FC-AL, FC-SW	Y ^{21, 22} , 23, 24, 25, 26, 55	
173	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{38, 42, 45, 46, 48, 53, 54} , LP10000DC-E ^{3, 38, 42, 45, 46, 48, 53, 54} , LP1050-E ²⁷ , 38, 42, 43, 44, 45, 46, 70, LP1050DC-E ²⁷ ; 38, 42, 43, 44, 45, 46, 70	FC-AL, FC-SW	N	
174	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{38, 42, 45, 46, 48, 53, 54} , LP10000DC-E ^{3, 38, 42, 45, 46, 48, 53, 54} , LP1050-E ²⁷ , 38, 42, 43, 44, 45, 46, 70, LP1050DC-E ²⁷ ; 38, 42, 43, 44, 45, 46, 70	FC-AL, FC-SW	N	See ⁵²
175	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	IBM: 00N6881 (QLA2200) ^{3, 7, 27, 28, 38, 39, 41, 47} , 19K1246(QLA2310) ^{7, 15, 27, 38, 40, 41} , 24P0960(QLA2340) ^{3, 6, 7, 27, 29, 38, 40, 41}	FC-AL, FC-SW	Y ^{21, 22} , 23, 24, 25, 26	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
176	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{3, 7, 27, 38, 39, 41}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26}	
177	xSeries x345	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{64, 65} ; QLogic QLA2310F-E-SP ³	FC-AL, FC-SW	N	
178	xSeries x345	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	FC-AL, FC-SW	Y	
179	xSeries: x345, x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{27, 38, 42, 43, 44, 45, 46}	FC-AL, FC-SW	Y	
180	xSeries x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{38, 42, 45, 46, 48, 53, 54} LP10000DC-E ^{3, 38, 42, 45, 46, 48, 53, 54} , LP1050-E ^{27, 38, 42, 43, 44, 45, 46, 70} , LP1050DC-E ^{27, 38, 42, 43, 44, 45, 46, 70}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
181	xSeries x345	PCI, PCI-X	Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 6, 8, 9}	FC-AL, FC-SW	N	
182	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 4, 17}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 26, 33}	
183	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 4, 17}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 26}	
184	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 4, 17}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	Y ^{18, 20, 21, 22, 23, 24, 25, 26}	
185	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 5, 12} , v2.4.9-E.12 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	N	
186	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 5, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	N	
187	Netfinity 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 5, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 4, 17} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	N	
188	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 5, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	N	
189	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 5, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	N	
190	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 7, 40, 41}	FC-AL, FC-SW ²	Y ^{19, 20, 21, 22, 23, 24, 25, 26, 33}	
191	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 7, 40, 41}	FC-AL, FC-SW ²	N	
192	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 7, 40, 41}	FC-AL, FC-SW ²	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
193	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 7, 40, 41}	FC-AL, FC-SW ²	Y ^{20, 21, 22, 23, 24, 25, 26}	
194	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	Y ^{19, 20, 21, 22, 23, 24, 25, 26, 33}	
195	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
196	xSeries X335	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	Y ^{20, 21, 22, 23, 24, 25, 26}	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
197	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x345, x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2340–E–SP ³	FC–AL, FC–SW ²⁷	N	
198	xSeries x255	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ² , 4, 17	QLogic QLA2340–E–SP ^{3, 14}	FC–AL, FC–SW ²⁷	Y ^{11, 18, 19, 20, 21, 22, 23, 24, 25, 26}	
199	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ² , 4, 17	QLogic QLA2340–E–SP ^{3, 14}	FC–AL, FC–SW ²⁷	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 26}	
200	xSeries x440 ^{12, 13}	PCI–X	Red Hat Linux 2.1 Advanced Server; v2.4.9–E.10 ^{1, 2, 5, 12} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2}	QLogic QLA2340–E–SP ^{3, 14}	FC–AL, FC–SW ²⁷	N	
201	xSeries x360 ¹¹	PCI–X	Red Hat Linux 2.1 Advanced Server; v2.4.9–E.10 ^{1, 2, 5, 12} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2340–E–SP ^{3, 14}	FC–AL, FC–SW ²⁷	N	
202	xSeries x255	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ^{2, 37} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ^{2, 37} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{3, 7, 40, 41}	FC–AL, FC–SW ²⁷	Y ^{11, 19, 20, 21, 22, 23, 24, 25, 26}	
203	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ^{2, 37} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ^{2, 37} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{3, 7, 40, 41}	FC–AL, FC–SW ²⁷	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
204	xSeries x255	PCI–X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	QLogic QLA2340–E–SP ^{3, 14}	FC–AL, FC–SW ²⁷	Y ^{11, 19, 20, 21, 22, 23, 24, 25, 26}	
205	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI–X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	QLogic QLA2340–E–SP ^{3, 14}	FC–AL, FC–SW ²⁷	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
206	xSeries x360 ¹¹	PCI–X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2340–E–SP ³	FC–AL, FC–SW ²⁷	N	
207	xSeries x445	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ² , 4, 17	QLogic QLA2340–E–SP ^{3, 14}	FC–AL, FC–SW ²⁷	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 26}	
208	xSeries x445	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server; v2.4.9–E.10 ^{1, 2, 5, 12} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2}	QLogic QLA2340–E–SP ^{3, 14}	FC–AL, FC–SW ²⁷	N	
209	xSeries x445	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ^{2, 37} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ^{2, 37} , v2.4.9–e.27	QLogic QLA2340–E–SP ^{3, 7, 40, 41}	FC–AL, FC–SW ²⁷	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
210	xSeries x445	PCI, PCI–X	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	QLogic QLA2340–E–SP ^{3, 14}	FC–AL, FC–SW ²⁷	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
211	Netfinity 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{27, 42, 43, 44, 45, 46}	FC–AL, FC–SW ³⁴	Y	
212	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{27, 42, 43, 44, 45, 46}	FC–AL, FC–SW ³⁴	Y	
213	xSeries: x235, x255, x360 ¹¹ , x440 ^{12, 13}	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{27, 42, 43, 44, 45, 46}	FC–AL, FC–SW ³⁴	Y	
214	xSeries x445	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{27, 42, 43, 44, 45, 46}	FC–AL, FC–SW ³⁴	Y	
215	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ^{27, 38, 42, 43, 44, 45, 50, 51}	FC–AL, FC–SW ^{34, 48}	Y ^{21, 22, 23, 24, 25, 26}	
216	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{27, 38, 42, 43, 44, 45, 50, 51}	FC–AL, FC–SW ^{34, 48}	N	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
217	Netfinity 8500R; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{27, 42, 43, 44, 45, 46}	FC–AL, FC–SW ^{39, 48}	Y	
218	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{27, 38, 42, 43, 44, 45, 50, 51}	FC–AL, FC–SW ^{39, 48}	Y ^{20, 21,} 22, 23, 24, 25, 26, 71	
219	Netfinity: 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x345, x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{27, 38, 42, 43, 44, 45, 46}	FC–AL, FC–SW ^{39, 48}	Y	
220	xSeries: x255, x360 ¹¹ , x440 ^{12, 13}	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ^{27, 38, 42, 43, 44, 45, 50, 51}	FC–AL, FC–SW ^{39, 48}	Y ^{21, 22,} 23, 24, 25, 26	
221	xSeries x235	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{27, 38, 42, 43, 44, 45, 50, 51}	FC–AL, FC–SW ^{39, 48}	N	
222	xSeries x255	PCI–X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{27, 38, 42, 43, 44, 45, 50, 51}	FC–AL, FC–SW ^{39, 48}	Y ^{11, 20,} 21, 22, 23, 24, 25, 26, 71	
223	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI–X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{27, 38, 42, 43, 44, 45, 50, 51}	FC–AL, FC–SW ^{39, 48}	Y ^{20, 21,} 22, 23, 24, 25, 26, 71	
224	xSeries: x235, x255, x360 ¹¹ , x440 ^{12, 13}	PCI–X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{27, 38, 42, 43, 44, 45, 46}	FC–AL, FC–SW ^{39, 48}	Y	
225	xSeries x445	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ^{27, 38, 42, 43, 44, 45, 50, 51}	FC–AL, FC–SW ^{39, 48}	Y ^{21, 22,} 23, 24, 25, 26	
226	xSeries x345	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{27, 38, 42, 43, 44, 45, 50, 51}	FC–AL, FC–SW ^{39, 48}	N	
227	xSeries x345	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{27, 42, 43, 44, 45, 46}	FC–AL, FC–SW ^{39, 48}	Y	
228	xSeries x445	PCI, PCI–X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{27, 38, 42, 43, 44, 45, 50, 51}	FC–AL, FC–SW ^{39, 48}	Y ^{20, 21,} 22, 23, 24, 25, 26, 71	
229	xSeries: x345, x445	PCI, PCI–X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{27, 38, 42, 43, 44, 45, 46}	FC–AL, FC–SW ^{39, 48}	Y	
230	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{27, 42, 43, 44, 45, 46, 49}	FC–AL, FC–SW ⁴⁹	Y ^{21, 22,} 23, 24, 25, 26	
231	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{27, 42, 43, 45, 46, 49}	FC–AL, FC–SW ⁴⁹	N	
232	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{27, 42, 43, 44, 45, 46, 49}	FC–AL, FC–SW ⁴⁹	Y ^{20, 21,} 22, 23, 24, 25, 26, 71	
233	xSeries: x255, x360 ¹¹ , x440 ^{12, 13}	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{27, 42, 43, 44, 45, 46, 49}	FC–AL, FC–SW ⁴⁹	Y ^{21, 22,} 23, 24, 25, 26	
234	xSeries x235	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{27, 42, 43, 45, 46, 49}	FC–AL, FC–SW ⁴⁹	N	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
235	xSeries x255	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002-E (LP9002L-E) ^{27, 42, 43, 44, 45, 46, 49}	FC-AL, FC-SW ⁴⁴	Y ^{11, 20, 21, 22, 23, 24, 25, 26, 71}	
236	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002-E (LP9002L-E) ^{27, 42, 43, 44, 45, 46, 49}	FC-AL, FC-SW ⁴⁴	Y ^{20, 21, 22, 23, 24, 25, 26, 71}	
237	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002-E (LP9002L-E) ^{27, 42, 43, 44, 45, 46, 49}	FC-AL, FC-SW ⁴⁴	Y ^{21, 22, 23, 24, 25, 26}	
238	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002-E (LP9002L-E) ^{27, 42, 43, 45, 46, 49}	FC-AL, FC-SW ⁴⁴	N	
239	xSeries x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002-E (LP9002L-E) ^{27, 42, 43, 44, 45, 46, 49}	FC-AL, FC-SW ⁴⁴	Y ^{20, 21, 22, 23, 24, 25, 26, 71}	
240	eServer BladeCenter HS20 (Model 8678) ⁵⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{57, 58, 59, 60, 61} , 02R9080 ^{59, 60}	FC-SW	Y	
241	eServer BladeCenter HS20 (Model 8832) ⁵⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ⁶² , v2.4.9–e.25 ⁶² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ⁶² , v2.4.9–e.25 ⁶² , v2.4.9–e.27	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{57, 58, 59, 60, 61} , 02R9080 ^{59, 60}	FC-SW	Y	

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
- Supported with QLogic driver v6.05.00.
- Requires v6.0.5 or higher Navisphere host Agent/CLI.
- Driver Version v6.05.00.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- Driver Version v6.x series. Supports persistent binding and only supports Class 3.
- This server only supports 5 Volt HBAs: qLogic 22XX family, qLogic 23XX family, Emulex LP8000, and Emulex LP850
- PowerPath v3.02 not supported on this system.
- This system is supported with Red Hat 2.1 Advanced Server v2.4.9–E.3 and updated with v2.4.9–E.9, E.10, and E.12 RPMs.
- PowerPath v3.0.2 b069 is not supported on this system.
- Requires BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
- This HBA is equivalent to the qLogic QLA2310.
- Driver Version v6.04.02.
- Requires v6.2.1 or higher Navisphere host agent/CLI.
- This kernel is limited to 110 devices, not 128.
- Requires QLogic driver 4.47.18 driver disk, dd.img-i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Only one HBA is qualified for use in the Linux host when booting from the CLARiiON via fabric.
- Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- This HBA is equivalent to the qLogic QLA2340.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- For fabric boot support, install with driver provided by RedHat Installer and upgrade to the EMC-approved driver after installation.
- Requires QLogic driver v6.05.00 and BIOS v1.83 for QLA2200F and BIOS v1.34 for QLA2310F, QLA2340–E–SP, and QLA2342–E–SP available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- Requires QLogic driver 4.47.18 and BIOS 1.83.
- Install with driver provided by RedHat Installer and upgrade to the EMC-approved driver after installation.
- The kernel version listed is included in the corresponding standard distributed release.
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- Single HBA zoning is required regardless of the switch being utilized.
- Requires QLogic driver v6.04.01 (included in 2.4.9–e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Driver Version v6.04.01.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- Driver Version 1.23a.
- FCode value 1.63a2.
- This HBA is equivalent to the QLogic QLA2200.
- FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
- The LP9002–E now ships with the LP9002L–E low profile adapter.
- Firmware Version 3.90a7.
- FCode value 1.63a.
- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
- Firmware Version 1.80a2.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
- Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.
- Due to the HS20's embedded FC-SW design, EMC Access Logix is required to assign LUNS to each individual blade server.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**

61. Driver Version 6.04.01.
62. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
63. Install with driver provided by Red Hat 7.2 Installer and upgrade to the EMC-approved driver after installation.
64. Driver Version v1.22e.
65. Firmware Version v3.90a7.
66. Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM).
67. Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
68. Firmware Version 1.02a0.
69. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
70. Firmware Version 1.80a3.
71. Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.

NEC

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.31 ^{2, 3}	QLogic QLA2200F ^{3, 13, 16, 18, 19, 20}	FC-AL, FC-SW	Y ^{4, 6, 7, 8, 9, 10, 11, 12, 21, 22}	
2	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.31 ^{2, 3}	QLogic QLA2310F-E-SP ^{13, 14}	FC-AL, FC-SW	Y ^{4, 5, 6, 7, 8, 9, 10, 11, 12}	
3	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 17} ; v2.4.9-E.16 ^{2, 17} ; v2.4.9-E.9 ^{2, 17}	QLogic QLA2200F ^{13, 18, 19, 20}	FC-AL, FC-SW	N	
4	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 17} ; v2.4.9-E.31 ^{2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 17} ; v2.4.9-e.16 ^{2, 17}	QLogic: QLA2200F-EMC ^{13, 16} , QLA2342-E-SP	FC-AL, FC-SW	N	
5	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23}	QLogic QLA2200F ^{13, 15, 24, 25, 26}	FC-AL, FC-SW	Y ^{6, 7, 8, 9, 10, 11, 12, 21, 22}	
6	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23} ; v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23} ; v2.4.9-e.27	QLogic QLA2310F-E-SP ^{13, 15, 25, 32, 33}	FC-AL, FC-SW	Y ^{5, 6, 7, 8, 9, 10, 11, 12}	
7	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23} ; v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23} ; v2.4.9-e.27	QLogic: QLA2200F-EMC ^{13, 15, 26, 33} , QLA2342-E-SP ^{15, 20, 24, 25, 32, 33}	FC-AL, FC-SW	N	
8	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23} ; v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23} ; v2.4.9-e.27	Emulex LP9802DC-E ^{15, 27, 28, 29, 30, 31}	FC-AL, FC-SW	Y	
9	Express 5800: 120Md, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Hb, 140Hd, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23} ; v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23} ; v2.4.9-e.27	Emulex LP982-E ^{15, 24, 27, 28, 29, 30, 44, 45}	FC-AL, FC-SW	Y ^{7, 8, 9, 10, 11, 12}	
10	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23} ; v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23} ; v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{15, 24, 27, 28, 29, 30, 44, 45}	FC-AL, FC-SW	Y ^{7, 8, 9, 10, 11, 12}	
11	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 17} ES; v2.4.9-e.12 ^{2, 17} ES; v2.4.9-e.16 ^{2, 17}	QLogic QLA2200F ^{3, 13, 16, 18, 19, 20}	FC-AL, FC-SW	Y ^{6, 7, 8, 9, 10, 11, 12, 21, 22}	

NEC - Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
12	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 17} ES v2.4.9-e.12 ^{2, 17} ES v2.4.9-e.16 ^{2, 17}	QLogic QLA2310F-E-SP ^{13, 14}	FC-AL, FC-SW	Y ^{5, 6, 7, 8, 9, 10, 11, 12}	
13	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.25 ² ES v2.4.9-e.27	Emulex: LP10000-E ^{24, 27, 28, 31, 35, 39, 40} , LP10000DC-E ^{13, 24, 27, 28, 31, 35, 39, 40} , LP1050-E ^{15, 24, 27, 28, 29, 30, 31, 46} LP1050DC-E ^{15, 24, 27, 28, 29, 30, 31, 46}	FC-AL, FC-SW	Y ^{7, 8, 9, 10, 11, 12, 41}	
14	Express 5800: 120Md, 120Ra-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Hb, 140Hd, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.25 ² ES v2.4.9-e.27	Emulex: LP10000-E ^{24, 27, 28, 31, 35, 39, 40} , LP10000DC-E ^{13, 24, 27, 28, 31, 35, 39, 40} , LP1050-E ^{15, 24, 27, 28, 29, 30, 31, 46} LP1050DC-E ^{15, 24, 27, 28, 29, 30, 31, 46}	FC-AL, FC-SW	N	See ³⁸
15	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.25 ² ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{24, 27, 28, 31, 35, 39, 40} , LP10000DC-E ^{13, 24, 27, 28, 31, 35, 39, 40} , LP1050-E ^{15, 24, 27, 28, 29, 30, 31, 46} LP1050DC-E ^{15, 24, 27, 28, 29, 30, 31, 46}	FC-AL, FC-SW	N	See ³⁸
16	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.27	QLogic QLA2200F ^{13, 15, 24, 25, 26, 33}	FC-AL, FC-SW	Y ^{6, 7, 8, 9, 10, 11, 12, 21, 22}	
17	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4, 180Rc-4	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{42, 43}	FC-AL, FC-SW	Y ^{6, 7, 8, 9, 10, 11, 12, 21, 22}	
18	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{42, 43} ; QLogic QLA2200F	FC-AL, FC-SW	Y ^{6, 7, 8, 9, 10, 11, 12, 21, 22}	
19	Express 5800: 120Ra-2, 120Rd-1, 120Rf-2, 140Ha, 140Hd, 140Ma, 140Rc-4, 180Ha, 180Rc-4	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	FC-AL, FC-SW	Y	
20	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{15, 24, 27, 28, 29, 30, 31}	FC-AL, FC-SW	Y	
21	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{24, 27, 28, 31, 35, 39, 40} , LP10000DC-E ^{13, 24, 27, 28, 31, 35, 39, 40} , LP1050-E ^{15, 24, 27, 28, 29, 30, 31, 46} LP1050DC-E ^{15, 24, 27, 28, 29, 30, 31, 46}	FC-AL, FC-SW	Y ^{7, 8, 9, 10, 11, 12}	
22	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic QLA2200F ^{3, 13, 16, 18, 19, 20}	FC-AL, FC-SW	Y ^{4, 6, 7, 8, 9, 10, 11, 12, 21, 22}	
23	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 4, 3}	QLogic QLA2310F-E-SP ^{13, 14}	FC-AL, FC-SW	Y ^{4, 5, 6, 7, 8, 9, 10, 11, 12}	
24	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 17} ; v2.4.9-E.12 ^{2, 17} ; v2.4.9-E.9 ^{2, 17}	QLogic QLA2200F ^{13, 18, 19, 20}	FC-AL, FC-SW	N	
25	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{2, 17} ; v2.4.9-E.3 ^{1, 2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{2, 17} ; v2.4.9-e.16 ^{2, 17}	QLogic: QLA2200F-EMC ^{13, 16} , QLA2342-E-SP	FC-AL, FC-SW	N	
26	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23}	QLogic QLA2200F ^{13, 15, 24, 25, 26}	FC-AL, FC-SW	Y ^{6, 7, 8, 9, 10, 11, 12, 21, 22}	
27	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23} ; v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23} ; v2.4.9-e.27	QLogic QLA2310F-E-SP ^{13, 15, 25, 32, 33}	FC-AL, FC-SW	Y ^{5, 6, 7, 8, 9, 10, 11, 12}	
28	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23} ; v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ^{2, 23} ; v2.4.9-e.27	QLogic: QLA2200F-EMC ^{13, 15, 26, 33} , QLA2342-E-SP ^{15, 20, 24, 25, 32, 33}	FC-AL, FC-SW	N	
29	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ² ; v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 23} ; v2.4.9-e.25 ² ; v2.4.9-e.27	Emulex LP9802DC-E ^{15, 27, 28, 29, 30, 31}	FC-AL, FC-SW	Y	

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
30	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 23} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 23} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP982-E ^{15, 24, 27, 28, 29, 30, 44, 45}	FC-AL, FC-SW	Y7, 8, 9, 10, 11, 12	
31	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 17} ES v2.4.9-e.12 ^{2, 17} ES v2.4.9-e.16 ^{2, 17}	QLogic QLA2200F ^{3, 13, 16, 18, 19, 20}	FC-AL, FC-SW	Y6, 7, 8, 9, 10, 11, 12, 21, 22	
32	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 17} ES v2.4.9-e.12 ^{2, 17} ES v2.4.9-e.16 ^{2, 17}	QLogic QLA2310F-E-SP ^{13, 14}	FC-AL, FC-SW	Y5, 6, 7, 8, 9, 10, 11, 12	
33	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.25 ² ES v2.4.9-e.27	Emulex: LP10000-E ^{24, 27, 28, 31, 35, 39, 40} , LP10000DC-E ^{13, 24, 27, 28, 31, 35, 39, 40} , LP1050-E ^{15, 24, 27, 28, 29, 30, 31, 46} , LP1050DC-E ^{15, 24, 27, 28, 29, 30, 31, 46}	FC-AL, FC-SW	N	See ³⁸
34	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.25 ² ES v2.4.9-e.27	Emulex: LP10000-E ^{24, 27, 28, 31, 35, 39, 40} , LP10000DC-E ^{13, 24, 27, 28, 31, 35, 39, 40} , LP1050-E ^{15, 24, 27, 28, 29, 30, 31, 46} , LP1050DC-E ^{15, 24, 27, 28, 29, 30, 31, 46}	FC-AL, FC-SW	Y7, 8, 9, 10, 11, 12, 41	
35	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.27	QLogic QLA2200F ^{13, 15, 24, 25, 26, 33}	FC-AL, FC-SW	Y6, 7, 8, 9, 10, 11, 12, 21, 22	
36	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic QLA2340-E-SP ^{13, 14}	FC-AL, FC-SW ¹⁵	Y4, 5, 6, 7, 8, 9, 10, 11, 12	
37	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 23} , v2.4.9-e.25 ^{2, 23} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 23} , v2.4.9-e.25 ^{2, 23} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{13, 25, 32, 33}	FC-AL, FC-SW ¹⁵	Y5, 6, 7, 8, 9, 10, 11, 12	
38	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 17} ES v2.4.9-e.12 ^{2, 17} ES v2.4.9-e.16 ^{2, 17}	QLogic QLA2340-E-SP ^{13, 14}	FC-AL, FC-SW ¹⁵	Y5, 6, 7, 8, 9, 10, 11, 12	
39	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic QLA2340-E-SP ^{13, 14}	FC-AL, FC-SW ¹⁵	Y4, 5, 6, 7, 8, 9, 10, 11, 12	
40	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 23} , v2.4.9-e.25 ^{2, 23} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 23} , v2.4.9-e.25 ^{2, 23} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{13, 25, 32, 33}	FC-AL, FC-SW ¹⁵	Y5, 6, 7, 8, 9, 10, 11, 12	
41	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{2, 17} ES v2.4.9-e.12 ^{2, 17} ES v2.4.9-e.16 ^{2, 17}	QLogic QLA2340-E-SP ^{13, 14}	FC-AL, FC-SW ¹⁵	Y5, 6, 7, 8, 9, 10, 11, 12	
42	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{15, 27, 28, 29, 30, 31}	FC-AL, FC-SW ²⁴	Y	
43	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{15, 27, 28, 29, 30, 31}	FC-AL, FC-SW ²⁴	Y	
44	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 23} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 23} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002DC-E ^{15, 24, 28, 29, 30, 31, 36, 37}	FC-AL, FC-SW ^{24, 35}	Y7, 8, 9, 10, 11, 12	
45	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{15, 24, 28, 29, 30, 31, 36, 37}	FC-AL, FC-SW ^{24, 35}	Y6, 7, 8, 9, 10, 11, 12, 47	

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
46	Express 5800: 120Ra–2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{15, 24, 27, 28, 29, 30, 31}	FC–AL, FC–SW ^{24, 35}	Y	
47	Express 5800 1320Xd	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 23} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 23} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ^{15, 24, 28, 29, 30, 31, 36, 37}	FC–AL, FC–SW ^{24, 35}	Y ^{7, 8, 9, 10, 11, 12}	
48	Express 5800: 120Md, 120Ra–2, 120Rc–2, 120Rd–1, 120Rd–2, 120Rf–2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra–4, 140Ra–7, 140Rb–4, 140Rc–4, 180Ha, 180Rb–7, 180Rc–4, 320La, 320La–R, 320Lb–R ⁴⁸ , 320Lb ⁴⁸ , 320Mc–R, 330Ma–R, 330Mb–R ^{49, 50} , 340Ha–R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 23} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 23} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{15, 27, 28, 29, 30, 31, 34}	FC–AL, FC–SW ³⁵	Y ^{7, 8, 9, 10, 11, 12}	
49	Express 5800: 120Ra–2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{15, 27, 28, 29, 30, 31, 34}	FC–AL, FC–SW ³⁵	Y ^{6, 7, 8, 9, 10, 11, 12, 47}	
50	Express 5800 1320Xd	PCI, PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 23} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 23} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{15, 27, 28, 29, 30, 31, 34}	FC–AL, FC–SW ³⁵	Y ^{7, 8, 9, 10, 11, 12}	

- Requires v6.2.1 or higher Navisphere host agent/CLI.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supported with QLogic driver v6.05.00.
- This kernel is limited to 110 devices, not 128.
- Requires QLogic driver 4.47.18 driver disk, dd.img–i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Only one HBA is qualified for use in the Linux host when booting from the CLARiiON via fabric.
- Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- Host must be offline for CLARiiON–licensed (Flare) upgrade and Storage Processor replacement.
- Requires BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Requires v6.0.5 or higher Navisphere host Agent/CLI.
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Driver Version v6.x series. Supports persistent binding and only supports Class 3.
- Driver Version v6.05.00.
- Requires QLogic driver 4.47.18 and BIOS 1.83.
- Install with driver provided by RedHat Installer and upgrade to the EMC–approved driver after installation.
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires QLogic driver v6.04.01 (included in 2.4.9–e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- FCode value 1.63a2.
- Driver Version 1.23a.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Driver Version v6.04.01.
- The LP9002–E now ships with the LP9002L–E low profile adapter.
- FC–AL and FC–SW can run concurrently on separate HBAs on the same Host.
- Firmware Version 3.90a7.
- FCode value 1.63a.
- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- Firmware Version 1.80a2.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Firmware Version v3.90a7.
- Driver Version v1.22e.
- Firmware Version 1.02a0.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- Firmware Version 1.80a3.
- Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.
- Supports Stratus OS 2.0.X through 2.1.X.
- Supports Stratus OS 1.3.X through 2.1.X.
- Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.

SUPERMICRO

SUPERMICRO – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Super: P3TDL3 ⁷ , S2DL3 ⁷	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{3, 4, 5, 6, 8, 9, 10} , LP10000DC–E ^{3, 4, 5, 6, 8, 9, 10, 11} , LP1050–E ^{3, 4, 8, 10, 12, 13, 14, 15} , LP1050DC–E ^{3, 4, 8, 10, 12, 13, 14, 15}	FC–AL, FC–SW	N	See ¹

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
- FC–AL and FC–SW can run concurrently on separate HBAs on the same Host.
- 64-bit slots for 3.3v HBAs only.
- Driver Version 1.23a.
- Firmware Version 1.80a2.
- FCode value 1.63a2.
- Host must be offline for CLARiiON–licensed (Flare) upgrade and Storage Processor replacement.
- Firmware Version 1.80a3.
- FC–AL and FC–SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.**
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.**
- Emulex driver and BIOS available from <http://www.emulex.com>.

Red Hat Linux IA64 Bull

Bull – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	NovaScale: 4020 (Itanium2), 4040 (Itanium2), 5080 (Itanium2), 5160 (Itanium2)	PCI–X	Red Hat Linux IA64 2.1 AS updated to v2.4.18–e.37	Emulex LP9802–E ^{5, 6, 7, 8}	FC–AL, FC–SW	N
2	NovaScale: 4020 (Itanium2), 4040 (Itanium2), 5080 (Itanium2), 5160 (Itanium2)	PCI–X	Red Hat Linux IA64 2.1 AS updated to v2.4.18–e.37	QLogic QLA2340–E–SP ^{1, 2, 3, 4}	FC–AL, FC–SW	Y

- Driver Version v6.05.00.
- Firmware Version 1.34.
- Host must be offline for CLARiiON–licensed (Flare) upgrade and Storage Processor replacement.
- BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- FC–AL and FC–SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- Driver Version Emulex Open Source driver v1.22e.

Dell

Dell – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	PowerEdge 3250 (Itanium 2)	PCI–X	Red Hat Linux IA64 2.1 AS updated to v2.4.18–e.37	Emulex: LP9002–E (LP9002L–E) ^{5, 6, 7, 8} , LP9002DC–E ^{5, 6, 7, 8, 9} , LP9802–E ^{5, 6, 7, 8} , LP9802DC–E ^{5, 6, 7, 10}	FC–AL, FC–SW	N
2	PowerEdge 3250 (Itanium 2)	PCI–X	Red Hat Linux IA64 2.1 AS updated to v2.4.18–e.37	QLogic: QLA2310F–E–SP ^{1, 2, 3, 4} , QLA2340–E–SP ^{1, 2, 3, 4} , QLA2342–E–SP ^{1, 2, 3}	FC–AL, FC–SW	Y
3	PowerEdge 3250 (Itanium 2)	PCI–X	Red Hat Linux IA64 2.1 AS updated to v2.4.18–e.37 ¹²	Emulex: LP10000–E ^{4, 5, 6, 7, 10, 11, 13} , LP10000DC–E ^{4, 5, 6, 7, 10, 11, 13, 14}	FC–AL, FC–SW	N

- BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Driver Version v6.05.00.
- Firmware Version 1.34.
- Host must be offline for CLARiiON–licensed (Flare) upgrade and Storage Processor replacement.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- FC–AL and FC–SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- Driver Version Emulex Open Source driver v1.22e.
- Firmware Version 3.82a1.
- Driver Version 1.22e.
- Firmware Version 1.80a2.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Single HBA zoning is required regardless of the switch being utilized.
- FC–AL and FC–SW can run concurrently on separate HBAs on the same Host.

HPQ

HPQ – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Integrity: RX2600 (Itanium2), RX5670 (Itanium2)	PCI, PCI–X	Red Hat Linux IA64 2.1 AS updated to v2.4.18–e.37	QLogic: QLA2340–E–SP ^{1, 2, 3, 4} , QLA2342–E–SP ^{1, 2, 3}	FC–AL, FC–SW	Y

- BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Driver Version v6.05.00.
- Firmware Version 1.34.
- Host must be offline for CLARiiON–licensed (Flare) upgrade and Storage Processor replacement.

IBM

IBM – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	xSeries x450	PCI, PCI–X	Red Hat Linux IA64 2.1 AS updated to v2.4.18–e.37	Emulex: LP9002–E (LP9002L–E) ^{5, 6, 7, 8} , LP9002DC–E ^{5, 6, 7, 8, 9} , LP9802–E ^{5, 6, 7, 8} , LP9802DC–E ^{5, 6, 7, 10}	FC–AL, FC–SW	N
2	xSeries x450	PCI, PCI–X	Red Hat Linux IA64 2.1 AS updated to v2.4.18–e.37	QLogic: QLA2310F–E–SP ^{1, 2, 3, 4} , QLA2340–E–SP ^{1, 2, 3, 4} , QLA2342–E–SP ^{1, 2, 3}	FC–AL, FC–SW	Y
3	xSeries x450	PCI, PCI–X	Red Hat Linux IA64 2.1 AS updated to v2.4.18–e.37 ¹²	Emulex: LP10000–E ^{4, 5, 6, 7, 10, 11, 13} , LP10000DC–E ^{4, 5, 6, 7, 10, 11, 13, 14}	FC–AL, FC–SW	N

1. Driver Version v6.05.00.
2. Firmware Version 1.34.
3. BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
4. Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
5. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
6. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
7. Emulex driver and BIOS available from <http://www.emulex.com>.
8. Driver Version Emulex Open Source driver v1.22e.
9. Firmware Version 3.82a1.
10. Driver Version 1.22e.
11. Firmware Version 1.80a2.
12. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
13. Single HBA zoning is required regardless of the switch being utilized.
14. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.

SuSE Linux Dell

Dell - SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge 1650	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex LP982-E ^{5, 11, 12, 13, 14, 15, 16, 17} . QLogic: QLA2310F-E-SP ^{4, 5, 6, 10} , QLA2340-E-SP ^{4, 5, 6, 7} , QLA2342-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	N	See ¹
2	PowerEdge 1650 ²⁷	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP10000DC-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP1050-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP1050DC-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP9002-E (LP9002L-E) ^{5, 11, 13, 14, 15, 16, 18, 28} , LP9002DC-E ^{5, 11, 13, 14, 15, 16, 18, 28} , LP9802-E ^{5, 11, 12, 13, 14, 15, 16, 18} , LP9802DC-E ^{5, 11, 12, 13, 14, 15, 16, 18}	FC-AL, FC-SW	N	See ¹
3	PowerEdge: 1550 ²⁷ , 2300 ²⁷ , 2400, 2450 ²⁷ , 2500 ²⁷ , 2550 ^{9, 27} , 4400 ²⁷ , 6100 ²⁷ , 6300 ²⁷ , 6350 ²⁷ , 6400 ²⁷ , 6450 ²⁷ , 8450 ²⁷	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP10000DC-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP1050-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP1050DC-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP9002-E (LP9002L-E) ^{5, 11, 13, 14, 15, 16, 18, 28} , LP9002DC-E ^{5, 11, 13, 14, 15, 16, 18, 28} , LP9802-E ^{5, 11, 12, 13, 14, 15, 16, 18} , LP9802DC-E ^{5, 11, 12, 13, 14, 15, 16, 18}	FC-AL, FC-SW	Y ^{20, 21} , 22, 23, 24, 25, 26	
4	PowerEdge: 2400, 4300	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP10000DC-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP1050-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP1050DC-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP9002-E (LP9002L-E) ^{5, 11, 13, 14, 15, 16, 18, 28} , LP9002DC-E ^{5, 11, 13, 14, 15, 16, 18, 28} , LP9802-E ^{5, 11, 12, 13, 14, 15, 16, 18} , LP9802DC-E ^{5, 11, 12, 13, 14, 15, 16, 18} , LP982-E ^{5, 11, 12, 13, 14, 15, 16, 17} . QLogic: QLA2200F-EMC ^{4, 6, 8} , QLA2310F-E-SP ^{4, 5, 6, 10} , QLA2340-E-SP ^{4, 5, 6, 10}	FC-AL, FC-SW	N	
5	PowerVault: 750N, 755N, 775N	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP10000DC-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP1050-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP1050DC-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP9002-E (LP9002L-E) ^{5, 11, 13, 14, 15, 16, 18, 28} , LP9002DC-E ^{5, 11, 13, 14, 15, 16, 18, 28} , LP9802-E ^{5, 11, 12, 13, 14, 15, 16, 18} , LP9802DC-E ^{5, 11, 12, 13, 14, 15, 16, 18} , LP982-E ^{5, 11, 12, 13, 14, 15, 16, 17} . QLogic: QLA2310F-E-SP ^{4, 5, 6, 10} , QLA2340-E-SP ^{4, 5, 6, 10}	FC-AL, FC-SW	N	See ¹
6	PowerEdge: 1550, 2300, 2450, 2500, 2550 ⁹ , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP10000DC-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP1050-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP1050DC-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP9002-E (LP9002L-E) ^{5, 11, 13, 14, 15, 16, 18, 28} , LP9002DC-E ^{5, 11, 13, 14, 15, 16, 18, 28} , LP9802-E ^{5, 11, 12, 13, 14, 15, 16, 18} , LP9802DC-E ^{5, 11, 12, 13, 14, 15, 16, 18} , LP982-E ^{5, 11, 12, 13, 14, 15, 16, 17} . QLogic: QLA2310F-E-SP ^{4, 5, 6, 10} , QLA2340-E-SP ^{4, 5, 6, 10} , QLA2342-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	N	See ¹
7	PowerEdge: 2300, 2450, 2500, 2550 ⁹ , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	QLogic QLA2200F-EMC ^{4, 6, 8}	FC-AL, FC-SW	N	
8	PowerEdge 4600	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex LP982-E ^{5, 11, 12, 13, 14, 15, 16, 17} . QLogic: QLA2310F-E-SP ^{4, 5, 6, 10} , QLA2340-E-SP ^{4, 5, 6, 7} , QLA2342-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	N	See ¹
9	PowerEdge 4600 ²⁷	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP10000DC-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP1050-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP1050DC-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP9002-E (LP9002L-E) ^{5, 11, 13, 14, 15, 16, 18, 28} , LP9002DC-E ^{5, 11, 13, 14, 15, 16, 18, 28} , LP9802-E ^{5, 11, 12, 13, 14, 15, 16, 18} , LP9802DC-E ^{5, 11, 12, 13, 14, 15, 16, 18}	FC-AL, FC-SW	N	See ¹
10	PowerEdge: 2600 ²⁷ , 2650, 6600 ²⁷ , 6650	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP10000DC-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP1050-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP1050DC-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP9002-E (LP9002L-E) ^{5, 11, 13, 14, 15, 16, 18, 28} , LP9002DC-E ^{5, 11, 13, 14, 15, 16, 18, 28} , LP9802-E ^{5, 11, 12, 13, 14, 15, 16, 18} , LP9802DC-E ^{5, 11, 12, 13, 14, 15, 16, 18}	FC-AL, FC-SW	Y ^{20, 21} , 22, 23, 24, 25, 26	
11	PowerEdge: 1750, 2600, 2650, 6600, 6650	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP10000DC-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP1050-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP1050DC-E ^{5, 11, 13, 14, 15, 16, 18, 19} , LP9002-E (LP9002L-E) ^{5, 11, 13, 14, 15, 16, 18, 28} , LP9002DC-E ^{5, 11, 13, 14, 15, 16, 18, 28} , LP9802-E ^{5, 11, 12, 13, 14, 15, 16, 18} , LP9802DC-E ^{5, 11, 12, 13, 14, 15, 16, 18} , LP982-E ^{5, 11, 12, 13, 14, 15, 16, 17} . QLogic: QLA2310F-E-SP ^{4, 5, 6, 10} , QLA2340-E-SP ^{4, 5, 6, 10} , QLA2342-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	N	See ¹
12	PowerEdge: 2600, 2650, 4600, 6600, 6650	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	QLogic QLA2200F-EMC ^{4, 6, 8}	FC-AL, FC-SW	N	

1. Linux v2.4.x Kernels support a maximum of 128 devices per system.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
3. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
4. Driver Version 6.05.00.
5. Single HBA zoning is required regardless of the switch being utilized.
6. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
7. Requires BIOS 1.34 available from <http://www.qlogic.com>.
8. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
9. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
10. Requires BIOS 1.34 available from QLogic at <http://www.qlogic.com>.
11. FCode value 1.63a2.
12. Firmware Version 1.01a2.
13. Driver Version 1.23a.
14. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
15. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
16. Emulex driver and BIOS available from <http://www.emulex.com>.
17. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
18. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
19. Firmware Version 1.80a3.

20. Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
21. Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
22. No MirrorView or SnapView used on boot LUNs.
23. EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
24. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
25. Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
26. For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
27. An RPM from Dell may be used to install the QLogic v6.05.00 driver and may be obtained from the QLogic website at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
28. Firmware Version 3.90a7.

Fujitsu Siemens

Fujitsu Siemens – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450, RX100, T850	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{8,9,10,11,12,13,15,17} LP10000DC–E ^{8,9,10,11,12,13,15,17} LP9002–E (LP9002L–E) ^{8,9,10,11,12,13,15,16} LP9002DC–E ^{8,9,10,11,12,13,15,16} LP9802–E ^{8,9,10,11,12,13,14,15} LP9802DC–E ^{8,9,10,11,12,13,14,15}	FC–AL, FC–SW	N	See ¹
2	Primergy: F250 ⁶ , H250 ⁶ , H450, N800, RX200, RX300, TX200, TX300	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{8,9,10,11,12,13,15,17} LP10000DC–E ^{8,9,10,11,12,13,15,17} LP9002–E (LP9002L–E) ^{8,9,10,11,12,13,15,16} LP9002DC–E ^{8,9,10,11,12,13,15,16} LP9802–E ^{8,9,10,11,12,13,14,15} LP9802DC–E ^{8,9,10,11,12,13,14,15} QLogic QLA2200F–EMC ^{4,5,7}	FC–AL, FC–SW	N	See ¹
3	Primergy: RX600, RX800, TX600	PCI, PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{8,9,10,11,12,13,15,17} LP10000DC–E ^{8,9,10,11,12,13,15,17} LP9002–E (LP9002L–E) ^{8,9,10,11,12,13,15,16} LP9002DC–E ^{8,9,10,11,12,13,15,16} LP9802–E ^{8,9,10,11,12,13,14,15} LP9802DC–E ^{8,9,10,11,12,13,14,15} QLogic QLA2200F–EMC ^{4,5,7}	FC–AL, FC–SW	N	See ¹

1. Linux v2.4.x Kernels support a maximum of 128 devices per system.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
3. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
4. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
5. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
6. Must use standard PCI 32bit/33MHz slot for SCSI
7. Driver Version 6.05.00.
8. Single HBA zoning is required regardless of the switch being utilized.
9. FC–AL and FC–SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
10. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
11. Emulex driver and BIOS available from <http://www.emulex.com>.
12. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
13. Driver Version 1.23a.
14. Firmware Version 1.01a2.
15. FCode value 1.63a2.
16. Firmware Version 3.90a7.
17. Firmware Version 1.80a3.

HPQ

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netscaler LC: 2000 U3, 2000R; Netscaler: LP 2000R, LT 6000R; Proliant: 2500 ⁵ , 800, 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹¹	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{6,16,18,19,20,21,30,31} LP10000DC–E ^{6,16,18,19,20,21,30,31} LP1050–E ^{6,16,18,19,20,21,30,31} LP1050DC–E ^{6,16,18,19,20,21,30,31} LP9002–E (LP9002L–E) ^{6,16,18,19,20,21,30,32} LP9002DC–E ^{6,16,18,19,20,21,30,32} LP9802–E ^{6,16,17,18,19,20,21,30} LP9802DC–E ^{6,16,17,18,19,20,21,30}	FC–AL, FC–SW	Y ^{23,24,25} , 26, 27, 28, 29	
2	Proliant: ML350(G2) ⁵ , ML350(G3)	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{6,16,18,19,20,21,30,31} LP10000DC–E ^{6,16,18,19,20,21,30,31} LP1050–E ^{6,16,18,19,20,21,30,31} LP1050DC–E ^{6,16,18,19,20,21,30,31} LP9002–E (LP9002L–E) ^{6,16,18,19,20,21,30,32} LP9002DC–E ^{6,16,18,19,20,21,30,32} LP9802–E ^{6,16,17,18,19,20,21,30} LP9802DC–E ^{6,16,17,18,19,20,21,30} LP982–E ^{6,16,17,18,19,20,21,22} QLogic: QLA2310F–E–SP ^{4,6,7,13} QLA2340–E–SP ^{4,6,7,13}	FC–AL, FC–SW	N	See ¹

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
3	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁵ , 800, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹¹	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 30, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 30, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP982–E ^{6, 16, 17, 18, 19, 20, 21, 22} QLogic: QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13} QLA2342–E–SP ^{4, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
4	Netserver LXR: 8000, 8500; Proliant: 1600 ^{5, 12, 1850⁵, 3000⁵, 5000⁵, 5500^{5, 10}, 6000^{5, 10}, 6400R⁵, 6500^{5, 10}, 7000^{5, 10}, 8000^{5, 10}, 850⁵}	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 30, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 30, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 30} QLogic: QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13} QLA2342–E–SP ^{4, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
5	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5, 12, 1850⁵, 2500⁵, 3000⁵, 5000⁵, 5500^{5, 10}, 6000^{5, 10}, 6400R⁵, 6500^{5, 10}, 800, 8000^{5, 10}, 850⁵, DL320⁵, DL360(G2)⁵, DL360⁵, DL380(G2)⁵, DL380(G3), DL380⁵, DL580(G2)⁵, DL580⁵, ML350⁵, ML370(G2), ML370(G3), ML370⁵, ML530⁵, ML570⁵, ML750¹¹}	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic: QLA2200F–EMC ^{4, 7, 9}	FC–AL, FC–SW	N	
6	Netserver LH III	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic: QLA2200F–EMC ^{4, 7, 9} , QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13}	FC–AL, FC–SW	N	
7	Netserver LH: (LH Pro), 3, 3000, 4, 6000, II; Netserver: LX PRO, LXR PRO, LXR PRO8	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic: QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13} QLA2342–E–SP ^{4, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
8	Proliant BL40p	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 30, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 30, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 30}	FC–AL, FC–SW	N	
9	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 30, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 30, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 30}	FC–AL, FC–SW	y ^{23, 24, 25, 26, 27, 28, 29}	

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
10	Proliant: DL740, DL760 (G2), DL760 ⁵	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 30, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 30, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP982–E ^{6, 16, 17, 18, 19, 20, 21, 22} QLogic: QLA2200F–EMC ^{4, 7, 9} QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13}	FC–AL, FC–SW	N	
11	Proliant: DL560, ML570(G2)	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 30, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 30, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP982–E ^{6, 16, 17, 18, 19, 20, 21, 22} QLogic: QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13} QLA2342–E–SP ^{4, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
12	Proliant: DL560, ML570(G2)	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic QLA2200F–EMC ^{4, 7, 9}	FC–AL, FC–SW	N	
13	Proliant BL20p (G2)	PCI-X ¹⁵	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{3, 14}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 30, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 30, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 30} HPQ Dual–port mezzanine controller card ^{4, 13}	FC–AL, FC–SW	N	
14	Proliant DL580(G3)	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 30, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 30, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 30}	FC–AL, FC–SW	γ ^{23, 24, 25, 26, 27, 28, 29}	

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
15	Proliant DL580(G3)	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 30, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 30, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 30} LP982–E ^{6, 16, 17, 18, 19, 20, 21, 22} QLogic: QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13} QLA2342–E–SP ^{4, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
16	Proliant DL580(G3)	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic QLA2200F–EMC ^{4, 7, 9}	FC–AL, FC–SW	N	

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPK.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
- Driver Version 6.05.00.
- Compaq servers that are rack–mountable (designated by Compaq with an "R") are supported.
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS 1.34 available from http://www.qlogic.com.
- Supports BIOS 1.83. Available at http://www.qlogic.com. Supports SNIA HBA API.
- Includes both Pentium PRO and XEON models
- HPQ Proliant servers that are rack–mountable (designated with an "R") are supported.
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32–bit, this shielding prohibits 64–bit HBAs from properly seating in the PCI slots. To accommodate 64–bit HBAs, this shielding must be removed, or modified to allow the 64–bit HBA to fully seat in the 32–bit slots.
- Requires BIOS 1.34 available from Qlogic at http://www.qlogic.com.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPK.
- Dual port PCI–X fibre channel mezzanine card option is embedded. No PCI/PCI–X slots available.
- FCode value 1.63a2.
- Firmware Version 1.01a2.
- Driver Version 1.23a.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from http://www.emulex.com.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- Firmware Version 1.80a3.
- Firmware Version 3.90a7.

IBM

IBM – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netfinity 8500	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP10000DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP9002–E (LP9002L–E) ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9002DC–E ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9802–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP9802DC–E ^{4, 19, 20, 21, 23, 24, 25, 26}	FC–AL, FC–SW	N	
2	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ³⁷ , x350 (6000R), x370	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP10000DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP9002–E (LP9002L–E) ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9002DC–E ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9802–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP9802DC–E ^{4, 19, 20, 21, 23, 24, 25, 26}	FC–AL, FC–SW	Y ^{28, 29, 30, 31, 32, 33, 34}	
3	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP10000DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP9002–E (LP9002L–E) ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9002DC–E ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9802–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP9802DC–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP982–E ^{4, 19, 20, 21, 22, 23, 24, 25} QLogic: QLA2310F–E–SP ^{4, 5, 7, 10} , QLA2340–E–SP ^{4, 5, 7, 10} , QLA2342–E–SP ^{4, 5, 6, 7}	FC–AL, FC–SW	N	See ¹
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP10000DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP9002–E (LP9002L–E) ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9002DC–E ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9802–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP9802DC–E ^{4, 19, 20, 21, 23, 24, 25, 26} QLogic: QLA2310F–E–SP ^{4, 5, 7, 10} , QLA2340–E–SP ^{4, 5, 7, 10} , QLA2342–E–SP ^{4, 5, 6, 7}	FC–AL, FC–SW	N	See ¹

IBM – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
5	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic QLA2200F–EMC ^{5, 7, 8}	FC–AL, FC–SW	N	
6	xSeries x235	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP10000DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP9002–E (LP9002L–E) ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9002DC–E ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9802–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP9802DC–E ^{4, 19, 20, 21, 23, 24, 25, 26}	FC–AL, FC–SW	N	
7	xSeries: x255, x360 ³⁷ , x440 ^{35, 36}	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP10000DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP9002–E (LP9002L–E) ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9002DC–E ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9802–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP9802DC–E ^{4, 19, 20, 21, 23, 24, 25, 26}	FC–AL, FC–SW	Y ^{28, 29, 30, 31, 32, 33, 34}	
8	xSeries x440	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP10000DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP9002–E (LP9002L–E) ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9002DC–E ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9802–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP9802DC–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP982–E ^{4, 19, 20, 21, 22, 23, 24, 25} QLogic QLA2340–E–SP ^{4, 5, 7, 10}	FC–AL, FC–SW	N	See ¹
9	xSeries x360	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP10000DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP9002–E (LP9002L–E) ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9002DC–E ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9802–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP9802DC–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP982–E ^{4, 19, 20, 21, 22, 23, 24, 25} QLogic: QLA2310F–E–SP ^{4, 5, 7, 10} , QLA2340–E–SP ^{4, 5, 7, 10} , QLA2342–E–SP ^{4, 5, 6, 7}	FC–AL, FC–SW	N	See ¹
10	xSeries x360	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic QLA2200F–EMC ^{5, 7, 8}	FC–AL, FC–SW	N	
11	xSeries x440	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic: QLA2200F–EMC ^{5, 7, 8} , QLA2310F–E–SP ^{4, 5, 7, 10}	FC–AL, FC–SW	N	
12	eServer BladeCenter HS20 (Model: 8678) ¹⁶ , 8832) ¹⁶	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{3,11}	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{17, 18}	FC–AL, FC–SW	Y	
13	xSeries x345	PCI, PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP10000DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP9002–E (LP9002L–E) ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9002DC–E ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9802–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP9802DC–E ^{4, 19, 20, 21, 23, 24, 25, 26}	FC–AL, FC–SW	N	
14	xSeries x445	PCI, PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP10000DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP9002–E (LP9002L–E) ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9002DC–E ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9802–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP9802DC–E ^{4, 19, 20, 21, 23, 24, 25, 26}	FC–AL, FC–SW	Y ^{28, 29, 30, 31, 32, 33, 34}	
15	xSeries x445	PCI, PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP10000DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP1050DC–E ^{4, 19, 20, 21, 23, 25, 26, 27} , LP9002–E (LP9002L–E) ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9002DC–E ^{4, 19, 20, 21, 23, 25, 26, 38} , LP9802–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP9802DC–E ^{4, 19, 20, 21, 23, 24, 25, 26} , LP982–E ^{4, 19, 20, 21, 22, 23, 24, 25} QLogic QLA2340–E–SP ^{4, 5, 7, 10}	FC–AL, FC–SW	N	See ¹
16	xSeries x445	PCI, PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic: QLA2200F–EMC ^{5, 7, 8} , QLA2310F–E–SP ^{4, 5, 7, 10}	FC–AL, FC–SW	N	
17	eServer BladeCenter HS20 (Model: 8678) ¹⁶ , 8832) ¹⁶	PCI–X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{3,11}	IBM HS20 FC Exp Card(48P7061) with Optical Pass–thru Module: 02R9080 ^{4, 15} , 02R9080 ^{7, 12, 13, 14, 15}	FC–SW	Y	

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS 1.34 available from <http://www.qlogic.com>.
- Driver Version 6.05.00.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- This server only supports 5 Volt HBAs: QLogic 22XX family (if applicable), QLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- Requires BIOS 1.34 available from Qlogic at <http://www.qlogic.com>.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.
- Due to the HS20's embedded FC–SW design, EMC Access Logix is required to assign LUNS to each individual blade server.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
 - EMC VolumeLogix Software required for multiple BladeServers when direct–attached to EMC Symmetrix storage.
 - Dual–port FC switch module. Can be used in place of Optical PassThru Module (OPM.)
 - Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
 - FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
 - The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
 - Emulex driver and BIOS available from <http://www.emulex.com>.
 - QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
 - Driver Version 1.23a.
 - Firmware Version 1.01a2.
 - FCode value 1.63a2.
 - QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
 - Firmware Version 1.80a3.
 - Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
 - Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)
 - No MirrorView or SnapView used on boot LUNS.
 - EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.

32. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
33. Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
34. For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
35. This system is supported with Red Hat 2.1 Advanced Server v2.4.9-E.3 and updated with v2.4.9-E.9, E.10, and E.12 RPMs.
36. PowerPath v3.0.2 b069 is not supported on this system.
37. PowerPath v3.02 not supported on this system.
38. Firmware Version 3.90a7.

NEC

NEC – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{4, 10, 11, 12, 13, 14, 23, 24} , LP10000DC-E ^{4, 10, 11, 12, 13, 14, 23, 24} , LP1050-E ^{4, 10, 11, 12, 13, 14, 23, 24} , LP1050DC-E ^{4, 10, 11, 12, 13, 14, 23, 24} , LP9002-E (LP9002L-E) ^{4, 10, 11, 12, 13, 14, 23, 25} , LP9002DC-E ^{4, 10, 11, 12, 13, 14, 23, 25} , LP9802-E ^{4, 9, 10, 11, 12, 13, 14, 23} , LP9802DC-E ^{4, 9, 10, 11, 12, 13, 14, 23}	FC-AL, FC-SW	Y ^{16, 17, 18, 19, 20, 21, 22}	
2	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{4, 10, 11, 12, 13, 14, 23, 24} , LP10000DC-E ^{4, 10, 11, 12, 13, 14, 23, 24} , LP1050-E ^{4, 10, 11, 12, 13, 14, 23, 24} , LP1050DC-E ^{4, 10, 11, 12, 13, 14, 23, 24} , LP9002-E (LP9002L-E) ^{4, 10, 11, 12, 13, 14, 23, 25} , LP9002DC-E ^{4, 10, 11, 12, 13, 14, 23, 25} , LP9802-E ^{4, 9, 10, 11, 12, 13, 14, 15} , LP9802DC-E ^{4, 9, 10, 11, 12, 13, 14, 23} , LP982-E ^{4, 9, 10, 11, 12, 13, 14, 15} , QLogic: QLA2310F-E-SP ^{4, 5, 7, 8} , QLA2340-E-SP ^{4, 5, 7, 8} , QLA2342-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	N	See ¹

1. Linux v2.4.x Kernels support a maximum of 128 devices per system.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
3. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
4. Single HBA zoning is required regardless of the switch being utilized.
5. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
6. Requires BIOS 1.34 available from http://www.qlogic.com.
7. Driver Version 6.05.00.
8. Requires BIOS 1.34 available from Qlogic at http://www.qlogic.com.
9. Firmware Version 1.01a2.
10. Driver Version 1.23a.
11. FCode value 1.63a2.
12. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
13. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
14. Emulex driver and BIOS available from http://www.emulex.com.
15. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
16. Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
17. Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
18. No MirrorView or SnapView used on boot LUNs.
19. EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
20. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
21. Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
22. For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
23. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
24. Firmware Version 1.80a3.
25. Firmware Version 3.90a7.

SUPERMICRO

SUPERMICRO – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Super: P3TDL3 ⁷ , S2DL3 ⁷	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{4, 9, 10, 11, 13, 15, 16, 17} , LP10000DC-E ^{4, 9, 10, 11, 13, 15, 16, 17} , LP1050-E ^{4, 9, 10, 11, 13, 15, 16, 17} , LP1050DC-E ^{4, 9, 10, 11, 13, 15, 16, 17} , LP9002-E (LP9002L-E) ^{4, 9, 10, 11, 13, 15, 17, 18} , LP9002DC-E ^{4, 9, 10, 11, 13, 15, 17, 18} , LP9802-E ^{4, 9, 10, 11, 13, 14, 15, 17} , LP9802DC-E ^{4, 9, 10, 11, 13, 14, 15, 17} , LP982-E ^{4, 9, 10, 11, 12, 13, 14, 15} , QLogic: QLA2310F-E-SP ^{4, 5, 6, 8} , QLA2340-E-SP ^{4, 5, 6, 8}	FC-AL, FC-SW	N	See ¹

1. Linux v2.4.x Kernels support a maximum of 128 devices per system.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
3. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
4. Single HBA zoning is required regardless of the switch being utilized.
5. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
6. Requires BIOS 1.34 available from Qlogic at http://www.qlogic.com.
7. 64-bit slots for 3.3v HBAs only.
8. Driver Version 6.05.00.
9. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
10. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
11. Emulex driver and BIOS available from http://www.emulex.com.
12. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
13. Driver Version 1.23a.
14. Firmware Version 1.01a2.
15. FCode value 1.63a2.
16. Firmware Version 1.80a3.
17. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
18. Firmware Version 3.90a7.

**Clustered Host
Egenera BladeFrame
Egenera**

Egenera – Egenera BladeFrame				
No.	Host System	Operating System	Cluster Software	Host Bus Adapter
1	BladeFrame cBlade-EP	Egenera BladeFrame 3.0	Oracle 9i RAC 9.2.0.3.0	QLogic QLA2342-E-SP

Microsoft Windows 2000 Bull

Bull – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Express 5800 180Rb7	Microsoft Windows 2000: Advanced Server SP3^{2, 3} , Server SP4 ²	Microsoft MSCS ⁴	HA: 4	Emulex LP8000-EMC ⁵	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

DG

DG – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	AViiON: AV1400, AV2300, AV2800, AV3700, AV3704, AV3704R, AV3800, AV8950	Microsoft Windows 2000 Advanced Server: SP2^{1, 2} , SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server SP4 ¹	Microsoft MSCS ⁸	HA: 2	QLogic QLA2310F-E-SP	See ^{7, 10}
2	AViiON: AV1400, AV2300, AV2800, AV3700, AV3704, AV3704R, AV3800, AV8950	Microsoft Windows 2000 Advanced Server: SP2^{1, 2} , SP4 ¹	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁶	HA: 4	QLogic QLA2310F-E-SP ^{3, 5, 9}	See ¹⁰
3	AViiON: AV1400, AV2800, AV3700, AV3704, AV3800	Microsoft Windows 2000 Advanced Server: SP2^{1, 2} , SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server SP4 ¹	Microsoft MSCS ⁸	HA: 2	Emulex LP8000-EMC ¹¹ ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁷
4	AViiON: AV1400, AV2800, AV3700, AV3704, AV3800	Microsoft Windows 2000 Advanced Server: SP2^{1, 2} , SP4 ¹	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁶	HA: 4	Emulex: LP8000-EMC ^{3, 5, 11} , LP9002-E (LP9002L-E); QLogic: QLA2340-E-SP ^{3, 4, 5} , QLA2342-E-SP ^{4, 5}	
5	AViiON: AV2300, AV3704R, AV8950	Microsoft Windows 2000 Advanced Server: SP2^{1, 2} , SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server SP4 ¹	Microsoft MSCS ⁸	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁷
6	AViiON: AV2300, AV3704R, AV8950	Microsoft Windows 2000 Advanced Server: SP2^{1, 2} , SP4 ¹	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁶	HA: 4	Emulex: LP8000-EMC ^{3, 5, 11} , LP9002-E (LP9002L-E) ³ , LP9802-E ^{3, 4, 5} , LP9802DC-E ^{3, 4, 5} , LP982-E ^{3, 4, 5} ; QLogic: QLA2340-E-SP ^{3, 4, 5} , QLA2342-E-SP ^{4, 5}	

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- PowerPath supported. ATF/CDE not supported.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- GAB disks (membership and service group heartbeat disks) are not supported.
- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- If using ATF/CDE, requires 2.1.6 or greater..
- Supported by direct attach only
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Dell

Dell – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 2650; PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
2	PowerEdge 2650; PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹³	HA: 4	Emulex: LP9002-E (LP9002L-E) ⁸ , LP9802-E ^{8, 9, 12} , LP9802DC-E ^{8, 9, 12} , LP982-E ^{8, 9, 12} ; QLogic: QLA2340-E-SP ^{8, 9,} ¹² QLA2342-E-SP ^{9, 12}	
3	PowerEdge 8450	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic QLA2310F-E-SP	See ⁶
4	PowerEdge 8450	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic QLA2342-E-SP	
5	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Datacenter: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁶ , LP9802-E, LP9802DC-E, LP982-E; QLogic QLA2342-E-SP	See ¹
6	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ⁵		Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁶ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
7	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ⁵		QLogic QLA2310F-E-SP	See ^{1, 6}
8	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Oracle 9i RAC 9.2.0.1.0 ⁷	RAC: 8	Emulex LP982-E	
9	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4}	Microsoft MSCS	HA: 4	Emulex LP9002-E (LP9002L-E); QLogic QLA2340-E-SP	See ¹
10	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4}	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 6}
11	PowerEdge 8450	Microsoft Windows 2000: Advanced Server SP3 ^{2, 4} , Datacenter SP2 ^{2, 3, 4} , Datacenter SP3 ^{2, 4} , Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ⁵	HA: 4	Emulex LP9002-E (LP9002L-E); QLogic QLA2340-E-SP	See ¹
12	PowerEdge 8450	Microsoft Windows 2000: Advanced Server SP3 ^{2, 4} , Datacenter SP2 ^{2, 3, 4} , Datacenter SP3 ^{2, 4} , Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ⁵	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 6}
13	PowerEdge 8450 ¹⁷	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic QLA2340-E-SP ^{10,} ¹¹	
14	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ¹⁴ , 2600, 2650, 4400, 4600, 6100, 6300, 6350, 6400, 6450, 6600, 6650, 8450; PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹³	HA: 4	QLogic QLA2310F-E-SP ^{8,} ^{9, 15}	See ⁶
15	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ¹⁴ , 2600, 2650, 4400, 4600, 6100, 6300, 6350, 6400, 6450, 6600, 6650; PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 6}

Dell – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
16	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ¹⁴ , 2600, 4400, 4600, 6300, 6350, 6400, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁶ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
17	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ¹⁴ , 2600, 4400, 4600, 6300, 6350, 6400, 6450, 6600, 6650, 8450	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹³	HA: 4	Emulex: LP8000-EMC ^{8, 9, 16} , LP9002-E (LP9002L-E) ⁸ , LP9802-E ^{8, 9, 12} , LP9802DC-E ^{8, 9, 12} , LP982-E ^{8, 9, 12} ; QLogic: QLA2340-E-SP ^{8, 9, 12} , QLA2342-E-SP ^{9, 12}	
18	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server SP2 ^{2, 4}	Oracle 9i RAC 9.2.0.1.0 ⁷	RAC: 8	QLogic QLA2310F-E-SP ^{8, 9}	See ⁶
19	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server SP2 ^{2, 4, 18}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2310F-E-SP ^{8, 9}	See ⁶
20	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0 ⁷	RAC: 8	QLogic QLA2310F-E-SP ^{8, 9, 10, 11}	See ⁶
21	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server SP4 ^{2, 18}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2310F-E-SP ^{8, 9, 10, 11}	See ⁶
22	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4, 18} , SP4 ^{2, 18}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9002-E (LP9002L-E) ⁸ , LP9802-E, LP9802DC-E ^{8, 9, 12} , LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	
23	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Oracle 9i RAC 9.2.0.1.0 ⁷	RAC: 8	Emulex: LP9002-E (LP9002L-E) ⁸ , LP9802-E, LP9802DC-E ^{8, 9, 12} , LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	
24	PowerEdge: 2300, 6100	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵	HA: 2	Emulex LP8000-EMC ¹⁶ ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
25	PowerEdge: 2300, 6100	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹³	HA: 4	Emulex LP8000-EMC ^{8, 9, 16} ; QLogic: QLA2340-E-SP ^{8, 9, 12} , QLA2342-E-SP ^{9, 12}	
26	PowerEdge: 2600, 2650, 4600, 6400, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁶ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
27	PowerEdge: 2600, 2650, 4600, 6400, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ²	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 6}

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.

2. EMC recommends that HBAs of different vendors not be used in the same host server.

3. PowerPath not supported. ATF is supported.

4. Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.

5. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.

6. Supported by direct attach only

7. Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0.

VxVM not supported.

PowerPath 3.0 supported.

8. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.

9. If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.

10. Host must be offline for CLARiON-licensed (Flare) upgrade and Storage Processor replacement.

11. Driver v6.04.00 or above must be used with QLogic HBAs for direct attach configurations.

12. PowerPath supported. ATF/CDE not supported.

13. GAB disks (membership and service group heartbeat disks) are not supported.

14. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.

15. If using ATF/CDE, requires 2.1.6 or greater..

16. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
 17. An RPM from Dell may be used to install the QLogic v6.05.00 driver and may be obtained from the QLogic website at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
 18. Oracle Cluster File System 1.x supported for 9i RAC 9.2.0.3, PowerPath 3.02

HPQ

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserver LC: 2000 U3, 2000r ²¹ ; Netserver LH: 3000, 4, 6000; Netserver: LP 2000r, LT 6000R, LXR 8000, LXR 8500	Microsoft Windows 2000 Advanced Server: SP2², 4, SP3², 4, SP4² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 11}
2	Netserver LC: 2000 U3, 2000r ²¹ ; Netserver LH: 3000, 4, 6000; Netserver: LP 2000r, LT 6000R, LXR 8000, LXR 8500; Proliant: 3000 ⁶ , 6400R ⁶ , 6500 ⁶ , 22 , 7000 ⁶ , 22 , 8000 ⁶ , 22 , 8500, BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶ , ML350(G2) ⁶ , ML350(G3) , ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2) ¹⁸ , ML570 ⁶ , ML750 ²⁰	Microsoft Windows 2000 Advanced Server: SP2², 4, SP4²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹⁶	HA: 4	QLogic QLA2310F-E-SP ^{9, 10, 19}	See ¹¹
3	Netserver LC: 2000 U3, 2000r ²¹ ; Netserver: LP 2000r, LT 6000R	Microsoft Windows 2000 Advanced Server: SP2², 4, SP3², 4, SP4² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
4	Netserver LC: 2000 U3, 2000r ²¹ ; Netserver: LP 2000r, LT 6000R; Proliant: 6400R ⁶ , 8500, BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶ , ML350(G2) ⁶ , ML350(G3) , ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2) ¹⁸ , ML570 ⁶ , ML750 ²⁰	Microsoft Windows 2000 Advanced Server: SP2², 4, SP4²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹⁶	HA: 4	Emulex: LP8000-EMC ^{9, 10, 14} , LP9002-E (LP9002L-E) ⁹ , LP9802-E ^{9, 10, 17} , LP9802DC-E ^{9, 10, 17} , LP982-E ^{9, 10, 17} ; QLogic: QLA2340-E-SP ^{9, 10, 17} , QLA2342-E-SP ^{10, 17}	
5	Netserver LH: 3000, 4, 6000; Netserver LXR: 8000, 8500	Microsoft Windows 2000 Advanced Server: SP2², 4, SP3², 4, SP4² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵	HA: 2	Emulex LP8000-EMC ¹⁴ , HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
6	Netserver LH: 3000, 4, 6000; Netserver LXR: 8000, 8500; Proliant: 3000 ⁶ , 6500 ⁶ , 22 , 7000 ⁶ , 22 , 8000 ⁶ , 22	Microsoft Windows 2000 Advanced Server: SP2², 4, SP4²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹⁶	HA: 4	Emulex LP8000-EMC ^{9, 10, 14} , QLogic: QLA2340-E-SP ^{9, 10, 17} , QLA2342-E-SP ^{10, 17}	
7	Proliant 5500 ^{6, 22}	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	Emulex LP9002-E (LP9002L-E)	
8	Proliant 5500 ^{6, 22}	Microsoft Windows 2000 Advanced Server SP4 ^{2, 27}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002-E (LP9002L-E)	

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
9	Proliant 5500 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{5, 15}	HA: 2	Emulex: LP8000-EMC ^{13, 14} , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
10	Proliant 5500 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹⁶	HA: 4	Emulex: LP8000-EMC ^{9, 10, 14} , LP9002-E (LP9002L-E) ⁹	
11	Proliant 5500 ^{6, 22}	Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4}	Microsoft MSCS ¹⁵	HA: 2	Emulex: LP8000-EMC ^{13, 14} , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
12	Proliant 5500 ^{6, 22}	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	
13	Proliant 8500	Microsoft Windows 2000 Advanced Server SP2 ^{2, 4}	Oracle 9i RAC 9.2.0.1.0 ⁸	RAC: 8	QLogic QLA2310F-E-SP ^{9, 10}	See ¹¹
14	Proliant 8500	Microsoft Windows 2000 Advanced Server SP2 ^{2, 4} , 27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2310F-E-SP ^{9, 10}	See ¹¹
15	Proliant 8500	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0 ⁸	RAC: 8	QLogic QLA2310F-E-SP ^{9, 10, 12}	See ¹¹
16	Proliant 8500	Microsoft Windows 2000 Advanced Server SP4 ^{2, 27}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2310F-E-SP ^{9, 10, 12}	See ¹¹
17	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , 27, SP4 ^{2, 27}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9002-E (LP9002L-E) ⁹ , LP9802-E, LP9802DC-E ^{9, 10, 17} , LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	
18	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Datacenter: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
19	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Oracle 9i RAC 9.2.0.1.0 ⁸	RAC: 8	Emulex: LP9002-E (LP9002L-E) ⁹ , LP9802-E, LP9802DC-E ^{9, 10, 17} , LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	
20	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4}	Microsoft MSCS	HA: 4	HPQ Dual-port mezzanine controller card	See ¹
21	Proliant BL20p (G2) ²⁶	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	HPQ Dual-port mezzanine controller card ^{24, 25}	
22	Proliant BL20p (G2) ²⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵	HA: 2	HPQ Dual-port mezzanine controller card	See ¹
23	Proliant BL20p (G2) ²⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹⁶	HA: 4	HPQ Dual-port mezzanine controller card ^{24, 25}	
24	Proliant BL20p (G2) ²⁶	Microsoft Windows 2000: Advanced Server SP3 ^{2, 4} , Server SP4 ²	Microsoft MSCS ⁵	HA: 4	HPQ Dual-port mezzanine controller card	See ¹
25	Proliant DL740	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁴ , LP9802-E, LP9802DC-E, LP982-E; HPQ: FCA2354 (LP9002), FCA2355 (LP9002DC); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
26	Proliant DL740	Microsoft Windows 2000: Advanced Server SP3 ^{2, 4} , Server SP4 ²	Microsoft MSCS ⁵	HA: 4	Emulex LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
27	Proliant DL760 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ⁵	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
28	Proliant DL760 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ⁵	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 11}

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
29	Proliant: 2500 ⁶ , 3000 ⁶ , 5000 ⁶ , 5500 ^{6, 22} , 6000 ^{6, 22} , 6500 ^{6, 22} , 7000 ^{6, 22} , 8000 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵		Emulex LP8000-EMC ¹⁴ ; HPQ: A7298A (LP982) DS-KGPSA-CA (LP8000) DS-KGPSA-CB (LP8000) DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
30	Proliant: 2500 ⁶ , 3000 ⁶ , 5000 ⁶ , 5500 ^{6, 22} , 6000 ^{6, 22} , 6500 ^{6, 22} , 7000 ^{6, 22} , 8000 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Oracle 9i RAC 9.2.0.1.0 ²³	RAC: 8	Emulex LP8000-EMC ^{9, 10, 14}	
31	Proliant: 2500 ⁶ , 3000 ⁶ , 5000 ⁶ , 5500 ^{6, 22} , 6000 ^{6, 22} , 6500 ^{6, 22} , 7000 ^{6, 22} , 8000 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4}	Microsoft MSCS	HA: 4	Emulex LP8000-EMC ¹⁴ ; HPQ: A7298A (LP982) DS-KGPSA-CA (LP8000) DS-KGPSA-CB (LP8000) DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
32	Proliant: 2500 ⁶ , 3000 ⁶ , 5000 ⁶ , 5500 ^{6, 22} , 6000 ^{6, 22} , 6500 ^{6, 22} , 7000 ^{6, 22} , 8000 ^{6, 22}	Microsoft Windows 2000 Advanced Server SP3 ^{2, 4} , Server SP4 ²	Microsoft MSCS ⁹	HA: 4	Emulex LP8000-EMC ¹⁴ ; HPQ: A7298A (LP982) DS-KGPSA-CA (LP8000) DS-KGPSA-CB (LP8000) DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
33	Proliant: 2500 ⁶ , 5000 ⁶ , 5500 ^{6, 22} , 6000 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ²	Microsoft MSCS ¹⁵	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 11}
34	Proliant: 2500 ⁶ , 5000 ⁶ , 5500 ^{6, 22} , 6000 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ²	Microsoft MSCS ¹⁵	HA: 2	QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
35	Proliant: 2500 ⁶ , 5000 ⁶ , 6000 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{5, 15}	HA: 2	Emulex LP8000-EMC ^{13, 14} ; HPQ: A7298A (LP982) DS-KGPSA-CA (LP8000) DS-KGPSA-CB (LP8000) DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
36	Proliant: 2500 ⁶ , 5000 ⁶ , 6000 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹⁶	HA: 4	Emulex LP8000-EMC ^{9, 10, 14}	
37	Proliant: 2500 ⁶ , 5000 ⁶ , 6000 ^{6, 22}	Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4}	Microsoft MSCS ¹⁵	HA: 2	Emulex LP8000-EMC ^{13, 14} ; HPQ: A7298A (LP982) DS-KGPSA-CA (LP8000) DS-KGPSA-CB (LP8000) DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
38	Proliant: 3000 ⁶ , 5500 ^{6, 22} , 7000 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ²	Microsoft MSCS	HA: 4	Emulex LP9002-E (LP9002L-E)	See ¹
39	Proliant: 3000 ⁶ , 6400R ⁶ , 6500 ^{6, 22} , 7000 ^{6, 22} , 8000 ^{6, 22} , 8500, BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, DL760 (G2), ML350(G2) ⁶ , ML350(G3), ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2), ML570 ⁶ , ML750 ⁶	Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4}	Microsoft MSCS ¹⁵	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 11}
40	Proliant: 3000 ⁶ , 6400R ⁶ , 6500 ^{6, 22} , 7000 ^{6, 22} , 8000 ^{6, 22} , BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, ML350(G2) ⁶ , ML350(G3), ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2) ¹⁸ , ML570 ⁶ , ML750 ^{6, 20}	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{5, 15}	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 11}
41	Proliant: 3000 ⁶ , 7000 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{5, 15}	HA: 2	Emulex: LP8000-EMC ^{13, 14} , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
42	Proliant: 3000 ⁶ , 7000 ^{6, 22}	Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4}	Microsoft MSCS ¹⁵	HA: 2	Emulex: LP8000-EMC ^{13, 14} , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
43	Proliant: 6400R ⁶ , BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, ML350(G2) ⁶ , ML350(G3), ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2), ML570 ⁶ , ML750 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ²	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 11}
44	Proliant: 6400R ⁶ , BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, ML350(G2) ⁶ , ML350(G3), ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2), ML570 ⁶ , ML750 ⁶	Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4}	Microsoft MSCS ¹⁵	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ^{13, 14} , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
45	Proliant: 6400R ⁶ , BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , ML740, ML350(G2) ⁶ , ML350(G3) , ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2) ¹⁸ , ML570 ⁶ , ML750 ⁶ , ²⁰	Microsoft Windows 2000 Advanced Server: SP2², 4 , SP3², 4 , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{5, 15}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ^{13, 14} , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
46	Proliant: 6400R ⁶ , BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , ML350(G2) ⁶ , ML350(G3) , ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2), ML570 ⁶ , ML750 ⁶	Microsoft Windows 2000 Advanced Server: SP2², 4 , SP3², 4 , SP4 ² ; Microsoft Windows 2000 Server: SP2², 4 , SP3², 4 , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
47	Proliant: 6400R ⁶ , BL40p, DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	
48	Proliant: 6400R ⁶ , BL40p, DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic QLA2310F-E-SP ¹⁰	See ¹¹
49	Proliant: 6400R ⁶ , BL40p, DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server SP4 ² , ²⁷	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	
50	Proliant: 6400R ⁶ , BL40p, DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server SP4 ² , ²⁷	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2310F-E-SP ¹⁰	See ¹¹
51	Proliant: 6500 ⁶ , ²² , 8000 ⁶ , ²²	Microsoft Windows 2000 Advanced Server: SP2², 4 , SP3², 4 , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{5, 15}	HA: 2	Emulex LP8000-EMC ^{13, 14} , HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
52	Proliant: 6500 ^{6, 22} , 8000 ^{6, 22}	Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4}	Microsoft MSCS ¹⁵	HA: 2	Emulex LP8000-EMC ^{13, 14} , HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
53	Proliant: 8500, DL760 (G2)	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ^{5, 15}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ^{13, 14} , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
54	Proliant: 8500, DL760 (G2)	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ^{5, 15}	HA: 2	QLLogic QLA2310F-E-SP	See ^{1, 11}
55	Proliant: 8500, DL760 (G2)	Microsoft Windows 2000 Datacenter: SP2 ^{2, 4} , SP3 ^{2, 4}	Microsoft MSCS ¹⁵	HA: 2	QLLogic QLA2310F-E-SP	See ¹
56	Proliant: 8500, DL760 (G2)	Microsoft Windows 2000 Datacenter: SP2 ^{2, 4} , SP3 ^{2, 4} ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4}	Microsoft MSCS ¹⁵	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ^{13, 14} , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
57	Proliant: 8500, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP2 ^{2, 4} , Server SP3 ^{2, 4} , Server SP4 ²	Microsoft MSCS	HA: 4	QLLogic QLA2310F-E-SP	See ^{1, 11}
58	Proliant: 8500, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Datacenter: SP2 ^{2, 4} , SP3 ^{2, 4}	Microsoft MSCS	HA: 4	QLLogic QLA2310F-E-SP	See ¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
59	Proliant: DL740, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4}	Microsoft MSCS	HA: 4	Emulex LP9002-E (LP9002L-E); HPQ: A7298A (LP982); DS-KGPISA-CA (LP8000); DS-KGPISA-CB (LP8000); DS-KGPISA-CY (LP8000); FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802); FCA2404DC (LP9802DC); FCA2408 (LP982)	See ¹
60	Proliant: DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Datacenter: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁴ , LP9802-E, LP9802DC-E, LP982-E; HPQ: FCA2354 (LP9002), FCA2355 (LP9002DC); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
61	Proliant: DL760 (G2), DL760 ^{6, 7}	Microsoft Windows 2000: Advanced Server SP3 ^{2, 4} , Datacenter SP2 ^{2, 3, 4} , Datacenter SP3 ^{2, 4} , Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ⁵	HA: 4	Emulex LP9002-E (LP9002L-E); HPQ: A7298A (LP982); DS-KGPISA-CA (LP8000); DS-KGPISA-CB (LP8000); DS-KGPISA-CY (LP8000); FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802); FCA2404DC (LP9802DC); FCA2408 (LP982)	See ¹
62	Proliant: ML530(G2) ⁶ , ML530 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Oracle 9i RAC 9.2.0.1.0 ²³	RAC: 8	Emulex: LP8000-EMC ^{9, 10, 14} , LP9002-E (LP9002L-E) ⁹ , LP9802-E ^{9, 10, 17} , LP9802DC-E ^{9, 10, 17} , LP982-E ^{9, 10, 17} ; QLLogic: QLA2340-E-SP ^{9, 10, 17} , QLA2342-E-SP ^{10, 17}	
63	Proliant: ML530(G2) ⁶ , ML530 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Oracle 9i RAC 9.2.0.1.0 ²³	RAC: 8	QLLogic QLA2310F-E-SP ^{9, 10, 19}	See ¹¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- PowerPath not supported. ATF is supported.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- CX600 only.
- Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0. VxVM not supported. PowerPath 3.0 supported.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- Supported by direct attach only
- Host must be offline for CLARiON-licensed (Flare) upgrade and Storage Processor replacement.
- LP8000 no longer has removable GBICs for copper cable support.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
- GAB disks (membership and service group heartbeat disks) are not supported.
- PowerPath supported. ATF/CDE not supported.
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
- If using ATF/CDE, requires 2.1.6 or greater..
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- HP NetServer LC2000 is only supported with two processors.Uni-Processor configurations are not supported
- Includes both Pentium PRO and XEON models
- Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0 . VxVm not supported. PowerPath 3.0 supported.
- Supports BIOS 1.34. Supports SNIA HBA API. Driver and BIOS available at <http://www.qlogic.com>.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- BL20p (G2) is not supported in a direct attach cluster configuration w/ CLARiON CX200.
- Oracle Cluster File System 1.x supported for 9i RAC 9.2.0.3. PowerPath 3.02

IBM

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	eServer BladeCenter HS20 (Model 8678) ^{20, 21}	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	Microsoft MSCS ^{7, 19}	HA: 4	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{22, 23}	See ⁶
2	Netfinity 6000R	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	Microsoft MSCS ⁷	HA: 2	QLogic QLA2310F-E-SP	See ^{6, 8}
3	Netfinity 6000R	Microsoft Windows 2000 Server SP4 ⁵	Microsoft MSCS ⁷	HA: 2	QLogic QLA2310F-E-SP	See ⁶
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁷ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP4 ⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹	HA: 4	QLogic QLA2310F-E-SP ^{2, 4, 13}	See ⁸
5	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁷ , 7100, 7600; xSeries: X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x445	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000 Server SP4 ⁵	Microsoft MSCS ⁷	HA: 2	QLogic QLA2310F-E-SP	See ^{6, 8}
6	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ¹⁷ , 7100	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000 Server SP4 ⁵	Microsoft MSCS ⁷	HA: 2	Emulex LP8000-EMC ³ ; IBM: 19K1246(QLA2310) ^{9, 10} , 24P0960(QLA2340) ^{15, 16} ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁶
7	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ¹⁷ , 7100	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP4 ⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 4	Emulex LP8000-EMC ^{2, 3, 4} ; IBM: 19K1246(QLA2310) ^{2, 4, 9, 10} , 24P0960(QLA2340) ^{2, 4, 12, 15, 16} ; QLogic: QLA2340-E-SP ^{2, 4, 12} , QLA2342-E-SP ^{4, 12}	
8	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ¹⁷ , 7100	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP4 ⁵	Veritas Cluster Server (VCS) 2.0 ¹	HA: 4	Emulex LP8000-EMC ^{2, 3, 4} ; IBM: 19K1246(QLA2310) ^{2, 4, 9, 10} , 24P0960(QLA2340) ¹⁵ ; QLogic: QLA2340-E-SP ^{2, 4, 12} , QLA2342-E-SP ^{4, 12}	
9	Netfinity: 5600, 6000R, 7600; xSeries: X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x445	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000 Server SP4 ⁵	Microsoft MSCS ⁷	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ^{9, 10} , 24P0960(QLA2340) ^{15, 16} ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁶
10	Netfinity: 5600, 7600, 8500R; xSeries: X330, X335	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP4 ⁵	Veritas Cluster Server (VCS) 2.0 ¹	HA: 4	Emulex: LP8000-EMC ^{2, 3, 4} , LP9002-E (LP9002L-E) ² , LP9802-E ^{2, 4, 12} , LP9802DC-E ^{2, 4, 12} , LP982-E ^{2, 4, 12} ; IBM: 19K1246(QLA2310) ^{2, 4, 9, 10} , 24P0960(QLA2340) ¹⁵ ; QLogic: QLA2340-E-SP ^{2, 4, 12} , QLA2342-E-SP ^{4, 12}	
11	Netfinity: 5600, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP4 ⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 4	Emulex: LP8000-EMC ^{2, 3, 4} , LP9002-E (LP9002L-E) ² , LP9802-E ^{2, 4, 12} , LP9802DC-E ^{2, 4, 12} , LP982-E ^{2, 4, 12} ; IBM: 19K1246(QLA2310) ^{2, 4, 9, 10} , 24P0960(QLA2340) ^{2, 4, 12, 15, 16} ; QLogic: QLA2340-E-SP ^{2, 4, 12} , QLA2342-E-SP ^{4, 12}	

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
12	Netfinity: 8500, 8500R; xSeries: x370, x440	Microsoft Windows 2000 Advanced Server: SP2^{5, 11}, SP3^{5, 11}, SP4⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP4 ⁵	Microsoft MSCS ⁷	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ^{9, 10} , 24P0960(QLA2340) ^{15, 16} ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁶
13	Netfinity: 8500, 8500R; xSeries: x370, x440	Microsoft Windows 2000 Advanced Server: SP2^{5, 11}, SP3^{5, 11}, SP4⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP4 ⁵	Microsoft MSCS ⁷	HA: 2	QLogic QLA2310F-E-SP	See ^{6, 8}
14	xSeries x360	Microsoft Windows 2000 Advanced Server: SP2^{5, 11}, SP4⁵	Oracle 9j RAC 9.2.0.1.0 ¹⁴	RAC: 8	Emulex: LP9002-E (LP9002L-E) ² , LP9802-E, LP9802DC-E ^{2, 4, 12} , LP982-E; IBM: 19K1246(QLA2310) ^{2, 4, 10} , 24P0960(QLA2340) ¹⁵	
15	xSeries x360	Microsoft Windows 2000 Advanced Server: SP2^{5, 11}, SP4⁵	Oracle 9j RAC 9.2.0.1.0 ¹⁴	RAC: 8	QLogic QLA2310F-E-SP ^{2, 4}	See ⁸
16	xSeries x370	Microsoft Windows 2000 Advanced Server: SP2^{5, 11}, SP3^{5, 11}, SP4⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP2^{5, 11}, Server SP3^{5, 11}, Server SP4⁵	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{6, 8}
17	xSeries x370	Microsoft Windows 2000 Datacenter: SP2^{5, 11}, SP3^{5, 11}	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ⁶
18	xSeries x440	Microsoft Windows 2000 Advanced Server: SP2^{5, 11}, SP3^{5, 11}, SP4⁵ ; Microsoft Windows 2000 Datacenter: SP2^{5, 11}, SP3^{5, 11}, SP4⁵ ; Microsoft Windows 2000 Server: SP2^{5, 11}, SP3^{5, 11}, SP4⁵	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{6, 8}
19	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x235, x240, x250, x255, x345, x350 (6000R), x360, x445	Microsoft Windows 2000 Advanced Server: SP2^{5, 11}, SP3^{5, 11}, SP4⁵ ; Microsoft Windows 2000 Server: SP2^{5, 11}, SP3^{5, 11}, SP4⁵	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ¹⁰ , 24P0960(QLA2340) ¹⁵ ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁶
20	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x235, x240, x250, x255, x345, x350 (6000R), x360, x445	Microsoft Windows 2000 Advanced Server: SP2^{5, 11}, SP3^{5, 11}, SP4⁵ ; Microsoft Windows 2000 Server: SP2^{5, 11}, SP3^{5, 11}, SP4⁵	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{6, 8}
21	xSeries: X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x370	Microsoft Windows 2000 Advanced Server: SP2^{5, 11}, SP4⁵	Veritas Cluster Server (VCS) 2.0 ¹	HA: 4	Emulex: LP8000-EMC ^{2, 3, 4} , LP9002-E (LP9002L-E) ² , LP9802-E ^{2, 4, 12} , LP9802DC-E ^{2, 4, 12} , LP982-E ^{2, 4, 12} ; IBM: 19K1246(QLA2310) ^{2, 4, 9, 10} , 24P0960(QLA2340) ^{2, 4, 12, 15, 16} ; QLogic: QLA2340-E-SP ^{2, 4, 12} , QLA2342-E-SP ^{4, 12}	

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
22	xSeries: x370, x440	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000 Datacenter: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ¹⁰ , 24P0960(QLA2340) ¹⁵ ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁶
23	xSeries: x440, x445	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP4 ⁵	Veritas Cluster Server (VCS) 2.0 ¹	HA: 4	Emulex: LP8000-EMC ^{2, 3, 4} , LP9002-E (LP9002L-E) ² , LP9802-E ^{2, 4, 12} , LP9802DC-E ^{2, 4, 12} , LP982-E ^{2, 4, 12} ; IBM: 19K1246(QLA2310) ^{2, 4, 9, 10} , 24P0960(QLA2340) ^{2, 4, 12, 15, 16, 18} ; QLogic: QLA2340-E-SP ^{2, 4, 12} , QLA2342-E-SP ^{4, 12}	

- GAB disks (membership and service group heartbeat disks) are not supported.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- Supported by direct attach only
- IBM xSeries Servers only:
- This HBA is equivalent to the qLogic QLA2310.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- PowerPath supported. ATF/CDE not supported.
- If using ATF/CDE, requires 2.1.6 or greater..
- Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0. VxVM not supported.
- PowerPath 3.0 supported.
- This HBA is equivalent to the qLogic QLA2340.
- For CX200 direct-connect only, boot from array for clusters not supported.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- If using ATF/CDE, requires 2.1.6 or greater.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
- EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**

NCR

NCR – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Worldmark 4850	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
2	Worldmark: 4500, 45xx, 4700, 47XX, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	Microsoft Windows 2000 Advanced Server SP2 ^{2, 3}	Microsoft MSCS	HA: 4	QLogic: QLA2310F-E-SP	See ¹
3	Worldmark: 4500, 45xx, 4700, 47XX, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹

NCR – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
4	Worldmark: 4500, 45xx, 4700, 47XX, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	Microsoft Windows 2000 Advanced Server: SP3^{2,3}, SP4² ; Microsoft Windows 2000 Server: SP2^{2,3}, SP3^{2,3}, SP4²	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1,4}

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- Supported by direct attach only
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

NEC

NEC – Microsoft Windows 2000				
No.	Host System	Operating System	Cluster Software	Host Bus Adapter
1	Express 5800 180Rb-7	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Microsoft MSCS	NEC: N8103-200, N8190-105
2	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rc-4	Microsoft Windows 2000 Advanced Server: SP2¹, SP4¹	Microsoft MSCS	NEC: N8103-200, N8190-105

- EMC recommends that HBAs of different vendors not be used in the same host server.

Unisys

Unisys – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	ES7000/100; ES7000/200	Microsoft Windows 2000 Advanced Server: SP2^{2,4}, SP3^{2,4}, SP4² ; Microsoft Windows 2000 Datacenter: SP2^{2,4}, SP3^{2,4}, SP4²	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1,11}
2	ES7000/100; ES7000/200	Microsoft Windows 2000 Server: SP2^{2,4}, SP3^{2,4}, SP4²	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ¹
3	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2^{2,4}, SP3^{2,4}, SP4² ; Microsoft Windows 2000 Datacenter SP4²	Microsoft MSCS ⁵	HA: 2	QLogic QLA2310F-E-SP	See ^{1,11}
4	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2^{2,4}, SP3^{2,4}, SP4² ; Microsoft Windows 2000 Datacenter: SP2^{2,4}, SP3^{2,4}, SP4² ; Microsoft Windows 2000 Server: SP2^{2,4}, SP3^{2,4}, SP4²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁶ , LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP;	See ¹
5	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2^{2,4}, SP3^{2,4}, SP4² ; Microsoft Windows 2000: Datacenter SP4² , Server SP4²	Microsoft MSCS ⁵	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁶ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP; Unisys FCH732213-P64 (LP9002L-F2) ²	See ¹
6	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2^{2,4}, SP4²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹²	HA: 4	Emulex: LP8000-EMC ^{6,8,9} , LP9002-E (LP9002L-E) ⁹ , LP9802-E ^{7,8,9} , LP9802DC-E ^{7,8,9} , LP982-E ^{7,8,9} ; QLogic: QLA2340-E-SP ^{7,8,9} , QLA2342-E-SP ^{7,8} ; Unisys FCH732213-P64 (LP9002L-F2) ²	
7	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2^{2,4}, SP4²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹²	HA: 4	QLogic QLA2310F-E-SP ^{8,9,10}	See ¹¹
8	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2^{2,4}, SP4² ; Microsoft Windows 2000 Server: SP2^{2,4}, SP3^{2,4}	Microsoft MSCS	HA: 4	Emulex LP9002-E (LP9002L-E)	See ¹
9	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Server SP4²	Microsoft MSCS ⁵	HA: 2	QLogic QLA2310F-E-SP	See ¹

Unisys – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
10	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000: Advanced Server SP3^{2, 4}, Datacenter SP2^{2, 3, 4, 5}, Datacenter SP3^{2, 4}, Datacenter SP4², Server SP4²	Microsoft MSCS		Emulex LP8000-EMC ⁶ ; Unisys FCH732213-P64 (LP9002L-F2) ²	See ¹
11	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000: Advanced Server SP3^{2, 4}, Datacenter SP2^{2, 3, 4}, Datacenter SP3^{2, 4}, Datacenter SP4², Server SP4²	Microsoft MSCS ⁵	HA: 4	Emulex LP9002-E (LP9002L-E); Unisys FCH732213-P64 (LP9002L-F2) ²	See ¹
12	ES7000/230	Microsoft Windows 2000 Advanced Server: SP2^{2, 4}, SP3^{2, 4}, SP4² ; Microsoft Windows 2000 Datacenter SP4 ²	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 11}
13	ES7000/230	Microsoft Windows 2000 Datacenter: SP2^{2, 4}, SP3^{2, 4} ; Microsoft Windows 2000 Server: SP2^{2, 4}, SP3^{2, 4}, SP4²	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ¹
14	ES7000/520; ES7000/530; ES7000/540	Microsoft Windows 2000 Advanced Server: SP2^{2, 4}, SP3^{2, 4}, SP4² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP2^{2, 4}, Server SP3^{2, 4}, Server SP4²	Microsoft MSCS	HA: 2	Unisys FCH732213-P64 (LP9002L-F2)	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- PowerPath not supported. ATF is supported.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- PowerPath supported. ATF/CDE not supported.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- If using ATF/CDE, requires 2.1.6 or greater..
- Supported by direct attach only
- GAB disks (membership and service group heartbeat disks) are not supported.

Microsoft Windows 2003 Dell

Dell – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 3250 (Itanium 2)	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{7, 8, 9}	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁶
2	PowerEdge: 1550, 1650, 1750, 2450, 2500, 2550 ⁵ , 2600, 2650, 4600, 6400, 6450, 6600, 6650, 8450; PowerVault: 770N, 775N	Microsoft Windows 2003: Enterprise Edition (Advanced Server)², Standard Edition (Server)²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- No EMC Layered Applications supported on IA64 server platforms**
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.

HPQ

HPQ – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Proliant 6500 ^{4, 8}	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP8000-EMC ⁷ , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
2	Proliant BL20p (G2)	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	HPQ Dual-port mezzanine controller card ^{5, 6}	See ¹

HPQ – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
3	Proliant: 3000 ⁴ , 7000 ^{4, 8}	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex LP9002-E (LP9002L-E); HPQ: A7298A (LP982) DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
4	Proliant: 8500, BL40p, DL320 ⁴ , DL360(G2) ⁴ , DL360(G3), DL360 ⁴ , DL380(G2) ⁴ , DL380(G3), DL380 ⁴ , DL560, DL580(G2) ⁴ , DL580(G3), DL580 ⁴ , DL740, DL760 (G2), DL760 ⁴ , ML350(G2) ⁴ , ML350(G3), ML350 ⁴ , ML370(G2), ML370(G3), ML370 ⁴ , ML530(G2) ⁴ , ML530 ⁴ , ML570(G2), ML570 ⁴ , ML750 ⁴	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁷ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Supports BIOS 1.34. Supports SNIA HBA API. Driver and BIOS available at <http://www.qlogic.com>.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Includes both Pentium PRO and XEON models

IBM

IBM – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	eServer BladeCenter HS20 (Model 8678) ¹¹	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ^{3, 7, 8}	HA: 4	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{9, 10}	See ¹
2	xSeries x450	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{7, 8, 13}	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹²
3	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x235, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁶ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ⁴ , 24P0960(QLA2340) ⁵ ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- This HBA is equivalent to the qLogic QLA2310.
- This HBA is equivalent to the qLogic QLA2340.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"
- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
- No EMC Layered Applications supported on IA64 server platforms
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.

NCR

NCR – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Worldmark: 4500, 45xx, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

NEC

NEC – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Express 5800: 1080Xd, 1160Xd, 1320Xd	Microsoft Windows 2003 64-Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{2, 3, 4}	HA: 4	NEC: NT2007A-A001 ⁶ , NT2010A-A001 ⁵	See ¹

- No EMC Layered Applications supported on IA64 server platforms**
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- This HBA is equivalent to the qLogic QLA2340.
- This HBA is equivalent to the Emulex LP982.

Unisys

Unisys – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
2	ES7000/130; ES7000/410; ES7000/420; ES7000/430	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{6, 7, 8}	HA: 4	Emulex: LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP; Unisys FCH742313-P64 (LP9802)	See ⁵
3	ES7000/520; ES7000/530; ES7000/540	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS	HA: 2	Unisys FCH742313-P64 (LP9802)	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- No EMC Layered Applications supported on IA64 server platforms**
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.

Microsoft Windows NT DG

DG – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	AViiON: AV1400, AV2800, AV3700, AV3800	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex LP8000-EMC ^{4, 5, 7, 8} , QLogic: QLA2310F-E-SP ^{4, 5, 6} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹
2	AViiON: AV2300, AV3704R, AV8950	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{4, 5, 7, 8} , LP9002-E (LP9002L-E) ^{4, 5} , LP9802-E ^{4, 5} , LP9802DC-E ^{4, 5} , LP982-E ^{4, 5} , QLogic: QLA2310F-E-SP ^{4, 5, 6} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- If using ATF/CDE, requires 2.0.9 or greater.
- LP8000 no longer has removable GBICs for copper cable support.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Dell

Dell – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 2650	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP9002-E (LP9002L-E) ^{4, 5} , LP9802-E ^{4, 5} , LP9802DC-E ^{4, 5} , LP982-E ^{4, 5} ; QLogic: QLA2310F-E-SP ^{4, 5, 7} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹
2	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ⁶ , 2600, 4600, 6300, 6350, 6400, 6450, 6600, 6650, 8450	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{4, 5, 8, 9} , LP9002-E (LP9002L-E) ^{4, 5} , LP9802-E ^{4, 5} , LP9802DC-E ^{4, 5} , LP982-E ^{4, 5} ; QLogic: QLA2310F-E-SP ^{4, 5, 7} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹
3	PowerEdge: 2300, 6100	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex LP8000-EMC ^{4, 5, 8, 9} ; QLogic: QLA2310F-E-SP ^{4, 5, 7} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- If using ATF/CDE, requires 2.0.9 or greater.
- LP8000 no longer has removable GBICs for copper cable support.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

HPQ

HPQ – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserver LC: 2000 U3, 2000r; Netserver LT 6000R; Proliant: 6400R ⁷ , 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360(G3), DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL560, DL580(G2) ⁷ , DL580(G3), DL580 ⁷ , DL740, DL760 (G2), DL760 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML750 ⁴	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{5, 6, 10, 11} , LP9002-E (LP9002L-E) ^{5, 6} , LP9802-E ^{5, 6} , LP9802DC-E ^{5, 6} , LP982-E ^{5, 6} ; HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP ^{5, 6, 12} , QLA2340-E-SP ^{5, 6} , QLA2342-E-SP ^{5, 6}	See ¹
2	Netserver LH: 3000, 6000; Netserver LXR: 8000, 8500	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex LP8000-EMC ^{5, 6, 10, 11} ; HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP ^{5, 6, 12} , QLA2340-E-SP ^{5, 6} , QLA2342-E-SP ^{5, 6}	See ¹
3	Netserver LH: 3, 4, II, PRO; Netserver: LX PRO, LXR PRO, LXR PRO8; Proliant: 1600 ^{7, 8} , 1850 ⁷ , 2500 ⁷ , 5000 ⁷ , 6000 ^{7, 8} , 6500 ^{7, 8} , 8000 Pro, 8000 Xeon, 8000 ^{7, 8}	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex LP8000-EMC ^{5, 6, 10, 11} ; QLogic: QLA2310F-E-SP ^{5, 6, 12} , QLA2340-E-SP ^{5, 6} , QLA2342-E-SP ^{5, 6}	See ¹
4	Proliant 850 ⁷	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{5, 6, 10, 11} , LP9802-E ^{5, 6} , LP9802DC-E ^{5, 6} , LP982-E ^{5, 6} ; HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP ^{5, 6, 12} , QLA2340-E-SP ^{5, 6} , QLA2342-E-SP ^{5, 6}	See ¹
5	Proliant: 3000 ⁷ , 5500 ^{7, 8} , 7000 ^{7, 8}	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{5, 6, 10, 11} , LP9002-E (LP9002L-E) ^{5, 6} ; QLogic: QLA2310F-E-SP ^{5, 6, 12} , QLA2340-E-SP ^{5, 6} , QLA2342-E-SP ^{5, 6}	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Includes both Pentium PRO and XEON models
-

This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.

10. LP8000 no longer has removable GBICs for copper cable support.
11. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
12. If using ATF/CDE, requires 2.0.9 or greater.

IBM

IBM – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ⁶ , 7100	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex LP8000-EMC ^{4, 5, 11, 12} , IBM: 19K1246(QLA2310) ^{4, 5, 9, 10} , 24P0960(QLA2340) ^{4, 5, 7, 8} , QLogic: QLA2310F-E-SP ^{4, 5, 10} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹
2	Netfinity: 5600, 7600, 8500R; xSeries: X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{4, 5, 11, 12} , LP9002-E (LP9002L-E) ⁴ , LP9802-E ^{4, 5} , LP9802DC-E ^{4, 5} , LP982-E ^{4, 5} ; IBM: 19K1246(QLA2310) ^{4, 5, 9, 10} , 24P0960(QLA2340) ^{4, 5, 7, 8} , QLogic: QLA2310F-E-SP ^{4, 5, 10} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
4. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
5. If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
6. This server only supports 5 Volt HBAs: qLogic 22XX family, qLogic 23XX family, Emulex LP8000, and Emulex LP850
7. This HBA is equivalent to the qLogic QLA2340.
8. For CX200 direct-connect only, boot from array for clusters not supported.
9. This HBA is equivalent to the qLogic QLA2310.
10. If using ATF/CDE, requires 2.0.9 or greater.
11. LP8000 no longer has removable GBICs for copper cable support.
12. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Unisys

Unisys – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	ES7000/100; ES7000/200	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{4, 6, 7, 8} , LP9002-E (LP9002L-E) ^{4, 6}	See ¹
2	ES7000/230	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{4, 6, 7, 8} , LP9002-E (LP9002L-E) ^{4, 6} , LP9802-E ^{4, 6} , LP9802DC-E ^{4, 6} , LP982-E ^{4, 5, 6}	See ¹

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
4. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
5. For CX200 direct-connect only, boot from array for clusters not supported.
6. If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
7. LP8000 no longer has removable GBICs for copper cable support.
8. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Novell Network Dell

Dell – Novell Network						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁶ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Network 5.10 SP5 ^{2, 3, 4, 7}	Novell Network Cluster Services Server (NCS) v1.01	HA: 16	QLogic QLA2340-E-SP ⁵	
2	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁶ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Network 5.10 SP6	Novell Network Cluster Services Server (NCS) v1.01	HA: 16	QLogic QLA2340-E-SP ⁸	
3	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁶ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Network 5.10: SP5 ^{2, 3, 4, 7} , SP6	Novell Network Cluster Services Server (NCS) v1.01	HA: 16	QLogic: QLA2200F-EMC, QLA2310F-E-SP	
4	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁶ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Network 6.0: SP1 ^{1, 2, 3, 4} , SP2 ^{1, 2, 3, 4} , SP3 ¹	Novell Network Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340-E-SP ⁵	
5	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁶ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Network 6.0: SP1 ^{1, 2, 3, 4} , SP2 ^{1, 2, 3, 4} , SP3 ¹ ; Novell Network 6.5 ^{1, 9}	Novell Network Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2310F-E-SP	
6	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁶ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Network 6.5 ^{1, 9}	Novell Network Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340-E-SP ¹⁰	
7	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁶ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Network 6.5 ^{1, 9}	Novell Network Cluster Services Server (NCS) v1.7		QLogic: QLA2310F-E-SP, QLA2340-E-SP ¹⁰	

1. NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
2. Maximum number of NWFS volumes that can be mounted is 64.
3. Novell Storage Services supported.
4. Powerpath & ATF supported.
5. FC-AL for CX200 requires the following:
 - 1) QLA2340 driver version 6.50v available at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
 - 2) If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
6. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
7. Requires NetWare patches: NWPAPT2A and NSS5J.
8. FC-AL for CX200 requires the following:
 - If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
 - Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.
9. Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.
10. FC-AL for CX200, If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.

HPQ

HPQ – Novell Netware					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9,11} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9,12} , 6000 ^{9,12} , 6400R ⁹ , 6500 ^{9,12} , 7000 ^{9,12} , 8000 ^{9,12} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360(G3), DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL560, DL580(G2) ⁹ , DL580(G3), DL580 ⁹ , DL740, DL760 (G2), DL760 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570(G2) ⁶ , ML570 ⁹ , ML750 ¹⁰	Novell Netware 5.10 SP5 ^{1,2,3,4}	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	QLogic QLA2340-E-SP ⁵
2	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9,11} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9,12} , 6000 ^{9,12} , 6400R ⁹ , 6500 ^{9,12} , 7000 ^{9,12} , 8000 ^{9,12} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360(G3), DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL560, DL580(G2) ⁹ , DL580(G3), DL580 ⁹ , DL740, DL760 (G2), DL760 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570(G2) ⁶ , ML570 ⁹ , ML750 ¹⁰	Novell Netware 5.10 SP6	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	QLogic QLA2340-E-SP ¹³
3	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9,11} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9,12} , 6000 ^{9,12} , 6400R ⁹ , 6500 ^{9,12} , 7000 ^{9,12} , 8000 ^{9,12} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360(G3), DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL560, DL580(G2) ⁹ , DL580(G3), DL580 ⁹ , DL740, DL760 (G2), DL760 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570(G2) ⁶ , ML570 ⁹ , ML750 ¹⁰	Novell Netware 5.10: SP5 ^{1,2,3,4} , SP6	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	QLogic: QLA2200F-EMC, QLA2310F-E-SP
4	Netserver: LC 2000 U3, LH 3, LH 3000, LH 4, LH 6000, LH II, LH PRO, LH III, LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	Novell Netware 6.0: SP1 ^{1,3,4,7} , SP2 ^{1,3,4,7} , SP3 ⁷	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340-E-SP ⁵
5	Netserver: LC 2000 U3, LH 3, LH 3000, LH 4, LH 6000, LH II, LH PRO, LH III, LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	Novell Netware 6.0: SP1 ^{1,3,4,7} , SP2 ^{1,3,4,7} , SP3 ⁷ ; Novell Netware 6.5 ^{7,14}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2310F-E-SP
6	Netserver: LC 2000 U3, LH 3, LH 3000, LH 4, LH 6000, LH II, LH PRO, LH III, LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9,11} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9,12} , 6000 ^{9,12} , 6400R ⁹ , 6500 ^{9,12} , 7000 ^{9,12} , 8000 ^{9,12} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360(G3), DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL560, DL580(G2) ⁹ , DL580(G3), DL580 ⁹ , DL740, DL760 (G2), DL760 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570(G2) ⁶ , ML570 ⁹ , ML750 ¹⁰	Novell Netware 6.5 ^{7,14}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340-E-SP ¹⁵
7	Netserver: LC 2000 U3, LH 3, LH 3000, LH 4, LH 6000, LH II, LH PRO, LH III, LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9,11} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9,12} , 6000 ^{9,12} , 6400R ⁹ , 6500 ^{9,12} , 7000 ^{9,12} , 8000 ^{9,12} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360(G3), DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL560, DL580(G2) ⁹ , DL580(G3), DL580 ⁹ , DL740, DL760 (G2), DL760 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570(G2) ⁶ , ML570 ⁹ , ML750 ¹⁰	Novell Netware 6.5 ^{7,14}	Novell Netware Cluster Services Server (NCS) v1.7		QLogic: QLA2310F-E-SP, QLA2340-E-SP ¹⁵
8	Proliant: 1600 ^{9,11} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9,12} , 6000 ^{9,12} , 6400R ⁹ , 6500 ^{9,12} , 7000 ^{9,12} , 8000 ^{9,12} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360(G3), DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL560, DL580(G2) ⁹ , DL580(G3), DL580 ⁹ , DL740, DL760 (G2), DL760 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570(G2) ⁶ , ML570 ⁹ , ML750 ¹⁰	Novell Netware 6.0: SP1 ^{1,3,4,7} , SP2 ^{1,3,4,7,8} , SP3 ⁷	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340-E-SP ⁵
9	Proliant: 1600 ^{9,11} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9,12} , 6000 ^{9,12} , 6400R ⁹ , 6500 ^{9,12} , 7000 ^{9,12} , 8000 ^{9,12} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360(G3), DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL560, DL580(G2) ⁹ , DL580(G3), DL580 ⁹ , DL740, DL760 (G2), DL760 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570(G2) ⁶ , ML570 ⁹ , ML750 ¹⁰	Novell Netware 6.0: SP1 ^{1,3,4,7,8} , SP2 ^{1,3,4,7,8} , SP3 ⁷ ; Novell Netware 6.5 ^{7,14}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2310F-E-SP

- Maximum number of NWFS volumes that can be mounted is 64.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- Novell Storage Services supported.
- Powerpath & ATF supported.
- FC-AL for CX200 requires the following:
 - QLA2340 driver version 6.50v available at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
 - If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNS is supported.
- HPQ Proliant servers with ATF and Powerpath requires use of SCSIHD in place of CPQSHD.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- Includes both Pentium PRO and XEON models
- FC-AL for CX200 requires the following:
 - If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
 - QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.
- FC-AL for CX200, If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.

IBM

IBM – Novell Netware					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370	Novell Netware 6.0: SP1 ^{1,2,3,4} , SP2 ^{1,2,3,4} , SP3 ¹ ; Novell Netware 6.5 ^{1,12}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2310F-E-SP
2	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370	Novell Netware 6.5 ^{1,12}	Novell Netware Cluster Services Server (NCS) v1.7		QLogic: QLA2310F-E-SP, QLA2340-E-SP ¹¹
3	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Novell Netware 5.10 SP5 ^{2,3,4,8}	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	QLogic QLA2340-E-SP ⁷

IBM – Novell Netware					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Novell Netware 5.10 SP6	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	QLogic QLA2340-E-SP ¹⁰
5	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Novell Netware 6.0: SP ^{11, 2, 3, 4, SP2^{1, 2, 3, 4, SP3¹}}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340-E-SP ⁷
6	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Novell Netware 6.5 ^{1, 12}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340-E-SP ¹¹
7	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370	Novell Netware 5.10: SP ^{2, 3, 4, 8, SP6}	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	QLogic: QLA2200F-EMC, QLA2310F-E-SP
8	xSeries X335	Novell Netware 5.10: SP ^{2, 3, 4, 8, SP6}	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	QLogic QLA2310F-E-SP
9	xSeries: x440, x445	Novell Netware 5.10: SP ^{2, 3, 4, 8, SP6}	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	IBM 24P0960(QLA2340) ^{4, 5, 6, 7} , QLogic: QLA2200F-EMC, QLA2310F-E-SP
10	xSeries: x440, x445	Novell Netware 6.0: SP ^{11, 2, 3, 4, SP2^{1, 2, 3, 4, SP3¹}, Novell Netware 6.5^{1, 12}}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	IBM 24P0960(QLA2340) ^{4, 5, 6, 7} , QLogic QLA2310F-E-SP
11	xSeries: x440, x445	Novell Netware 6.5 ^{1, 12}	Novell Netware Cluster Services Server (NCS) v1.7		IBM 24P0960(QLA2340) ^{4, 5, 6, 7} , QLogic: QLA2310F-E-SP QLA2340-E-SP ¹¹

1. NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
2. Maximum number of NWFS volumes that can be mounted is 64.
3. Novell Storage Services supported.
4. Powerpath & ATF supported.
5. If using ATF/CDE, requires 2.1.6 or greater.
6. This HBA is equivalent to the QLogic QLA2340.
7. FC-AL for CX200 requires the following:
1) QLA2340 driver version 6.50v available at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
2) If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
8. Requires NetWare patches: NWPA2A and NSS5J.
9. This server only supports 5 Volt HBAs: QLogic 22XX family (if applicable), QLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
10. FC-AL for CX200 requires the following:
If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
11. FC-AL for CX200, If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
12. QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.

Red Hat Linux Dell

Dell – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 2650	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 20, 27} , v2.4.9-e.25 ²⁷	NEC ClusterPro SE 2.1		QLogic QLA2340-E-SP	See ¹⁵
2	PowerEdge 2650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{2, 12, 13}	NEC ClusterPro SE 2.1		QLogic QLA2340-E-SP ¹⁴	
3	PowerEdge 2650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{2, 12, 13}	Oracle 9i RAC 9.2.0.1.0 ^{9, 10, 11}	RAC: 8	QLogic: QLA2340-E-SP ¹⁴ , QLA2342-E-SP ¹⁴	
4	PowerEdge 2650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-e.27	NEC ClusterPro SE 2.1		QLogic QLA2340-E-SP ¹⁴	See ¹⁵
5	PowerEdge 2650 ^{7, 8}	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{9, 10, 11}	RAC: 8	QLogic QLA2340-E-SP ¹⁴	See ¹⁵
6	PowerEdge 6600 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{2, 12, 13}	Oracle 9i RAC 9.2.0.1.0 ^{9, 10, 11}	RAC: 8	QLogic QLA2340-E-SP ¹⁴	See ¹⁵
7	PowerEdge 6600 ^{7, 8}	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{9, 10, 11}	RAC: 8	QLogic QLA2340-E-SP ¹⁴	
8	PowerEdge 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 20, 27} , v2.4.9-e.25 ²⁷	NEC ClusterPro SE 2.1		QLogic QLA2340-E-SP	
9	PowerEdge 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 12, 13} , v2.4.9-e.27	NEC ClusterPro SE 2.1		QLogic QLA2340-E-SP ¹⁴	
10	PowerEdge 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 12, 13} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{9, 10, 11}	RAC: 8	QLogic QLA2340-E-SP ¹⁴	
11	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{2, 12}	Oracle 9i RAC 9.2.0.1.0 ^{5, 9, 10, 11}	RAC: 8	QLogic: QLA2340-E-SP ⁶ , QLA2342-E-SP	
12	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{2, 12}	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2340-E-SP ⁶	
13	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3, 4, 16}	Oracle 9i RAC 9.2.0.1.0 ⁵	RAC: 8	QLogic QLA2340-E-SP ⁶	See ¹⁵
14	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{2, 12}	Oracle 9i RAC 9.2.0.1.0 ^{9, 10, 11}	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	
15	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 12, 13} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{9, 10, 11}	RAC: 8	QLogic QLA2340-E-SP ^{6, 14}	See ¹⁵
16	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 12, 13} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{9, 10, 11}	RAC: 8	QLogic QLA2310F-E-SP ¹⁴	

Dell – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
17	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 12} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2310F-E-SP, QLA2342-E-SP	
18	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 12} , v2.4.9-E.9 ^{2, 12}	Oracle 9i RAC 9.2.0.1.0 ^{9, 10, 11}	RAC: 8	QLogic QLA2310F-E-SP	
19	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2340-E-SP ⁶	See ¹⁵
20	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 21} , v2.4.9-e.25 ^{2, 21} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9802DC-E ²² , LP982-E ^{15, 23, 28, 29, 30} ; QLogic QLA2310F-E-SP ^{6, 14, 25, 26} , QLA2342-E-SP	
21	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 21} , v2.4.9-e.25 ^{2, 21} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2340-E-SP	See ¹⁵
22	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 21} , v2.4.9-e.25 ^{2, 21} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002-E (LP9002L-E) ²²	See ²⁴
23	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 21} , v2.4.9-e.25 ^{2, 21} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002DC-E ²²	See ^{23, 24}
24	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 21} , v2.4.9-e.25 ^{2, 21} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9802-E ²²	See ²³
25	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{2, 12}	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2340-E-SP	
26	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 12} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2310F-E-SP ⁶ , QLA2342-E-SP	
27	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8}	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2340-E-SP	See ¹⁵
28	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{2, 12}	Oracle 9i RAC 9.2.0.1.0 ^{9, 10, 11}	RAC: 8	QLogic QLA2310F-E-SP ⁶ , QLA2342-E-SP	
29	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3, 4}	Oracle 9i RAC 9.2.0.1.0 ⁵	RAC: 8	QLogic QLA2310F-E-SP ⁶	
30	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{2, 12}	Oracle 9i RAC 9.2.0.1.0 ^{9, 10, 11}	RAC: 8	QLogic QLA2310F-E-SP, QLA2342-E-SP	
31	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 12, 13} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{5, 9, 10, 11}	RAC: 8	QLogic QLA2310F-E-SP ^{6, 14}	
32	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 12} , v2.4.9-E.9 ^{2, 12}	Oracle 9i RAC 9.2.0.1.0 ^{9, 10, 11}	RAC: 8	QLogic QLA2340-E-SP	
33	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8} , 8450 ^{7, 8}	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{9, 10, 11}	RAC: 8	QLogic QLA2342-E-SP ¹⁴	
34	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{2, 12, 13} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{9, 10, 11}	RAC: 8	QLogic QLA2340-E-SP ¹⁴	See ¹⁵
35	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8} , 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{2, 12, 13}	Oracle 9i RAC 9.2.0.1.0 ^{9, 10, 11}	RAC: 8	QLogic QLA2342-E-SP ¹⁴	
36	PowerEdge: 1750, 2600, 2650, 4600, 6450, 8450	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 20} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 20} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP	See ¹⁵
37	PowerEdge: 1750, 2600, 2650, 4600, 6450, 8450	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 20} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 20} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2342-E-SP	
38	PowerEdge: 2650 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 12} , v2.4.9-E.9 ^{2, 12}	NEC ClusterPro SE 2.1		QLogic QLA2340-E-SP	
39	PowerEdge: 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 20} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 20} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP, QLA2342-E-SP	
40	PowerEdge: 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 21} , v2.4.9-e.25 ^{2, 21} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9802DC-E ²² , LP982-E ^{15, 23, 28, 29, 30} ; QLogic QLA2310F-E-SP ^{6, 14, 25, 26} , QLA2340-E-SP, QLA2342-E-SP	
41	PowerEdge: 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{2, 12} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2310F-E-SP ⁶ , QLA2340-E-SP, QLA2342-E-SP	

1. Watchdog Timer should be disabled in ocmargs.ora

2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPO.

3. OCFS (Oracle Cluster File System) is not supported.
4. Supported with QLogic driver v6.05.00.
5. Configuration information available on EMC PowerLink and Avatar: See the Case Study "Oracle 9i RAC on Linux Red Hat 7.1 and Red Hat 2.1 Advanced Server with CLARiiON Storage Arrays" in the EMC Networked Storage Topology Guide.
6. Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
7. QLogic driver is available with Dell/Oracle CC kit.
8. An RPM from Dell may be used to install the QLogic v6.X driver. RPM may be obtained from the QLogic website.
9. requires patch p2632931_9202_LINUX.zip (9.2.0.2 patch set).
10. Requires patch p2646914_9202_LINUX.zip (Private Network Fix).
11. Oracle Cluster File System v1.x supported with Linux v2.4.9-E9, E10, E12, E16, E24, E25.
12. This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath.
13. Booting from EMC storage arrays is NOT supported with PowerPath.
14. OCFS (Oracle Cluster File System) is supported. Requires patch mount-2.11g-6i386.rpm (ocfs mount support).
15. Driver v6.04.00 or above must be used with Qlogic HBAs for direct attach configurations.
16. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
17. PowerPath is not supported.
18. GAB disks (membership and service group heartbeat disks) are not supported.
19. Review single attach VxVM notes for PowerPath and DMP restrictions.
20. When VxVM is used, EMC recommends VxVM 3.2 update 2, VxFS 3.4 update 1 and above.
21. This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
22. Oracle Cluster File System 1.x supported for 9i RAC 9.2.0.3. PowerPath 3.03
23. **QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
24. Single HBA zoning is required regardless of the switch being utilized.
25. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
26. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
27. If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
28. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
29. **The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.**
30. **Emulex driver and BIOS available from <http://www.emulex.com>.**
31. **QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**

HPQ

HPQ – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{1, 2, 13}	Oracle 9i RAC 9.2.0.1.0 ^{3, 24, 25}	RAC: 8	QLogic QLA2342-E-SP ⁸	
2	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{1, 2}	Oracle 9i RAC 9.2.0.1.0 ^{3, 6, 24, 25}	RAC: 8	QLogic QLA2310F-E-SP ⁷	
3	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{1, 2}	Oracle 9i RAC 9.2.0.1.0 ^{3, 6, 24, 25}	RAC: 8	QLogic QLA2340-E-SP ⁷	See ⁵
4	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 9, 10, 11, 26}	Oracle 9i RAC 9.2.0.1.0 ⁶	RAC: 8	QLogic QLA2340-E-SP ⁷	See ⁵
5	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{1, 2}	Oracle 9i RAC 9.2.0.1.0 ^{3, 24, 25}	RAC: 8	QLogic QLA2340-E-SP	See ⁵
6	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{1, 2}	Oracle 9i RAC 9.2.0.1.0 ^{3, 24, 25}	RAC: 8	QLogic: QLA2310F-E-SP, QLA2342-E-SP	
7	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 13} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{3, 6, 24, 25}	RAC: 8	QLogic QLA2310F-E-SP ^{7, 8}	
8	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 13} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{3, 6, 24, 25}	RAC: 8	QLogic QLA2340-E-SP ^{7, 8}	See ⁵
9	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{3, 6, 24, 25}	RAC: 8	QLogic QLA2342-E-SP ^{7, 8}	
10	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 18} , v2.4.9-e.25 ^{2, 18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic: QLA2310F-E-SP ^{7, 8} , 22, 23, QLA2342-E-SP	
11	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 9, 10, 11}	Oracle 9i RAC 9.2.0.1.0 ⁶	RAC: 8	QLogic QLA2310F-E-SP ⁷	
12	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ¹⁴ , 15, 16	HA: 8	QLogic QLA2340-E-SP ⁷	See ⁵
13	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ¹⁴ , 15, 16	HA: 8	QLogic: QLA2310F-E-SP ⁷ , QLA2342-E-SP ^{7, 8}	
14	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant: DL360(G3), DL380(G3), DL580(G3), DL760 (G2), ML370(G3)	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 17} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 17} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2342-E-SP	

HPQ – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
15	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LT 6000R, LXR 8000, LXR 8500; Proliant: 8500, DL360 ⁴ , DL380(G2) ⁴ , DL380(G3), DL380 ⁴ , DL560, DL580 ⁴ , DL760 (G2)	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁷ , v2.4.9–e.25 ²⁷ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , ¹⁸ , v2.4.9–e.25 ² , ¹⁸ , v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2340–E–SP	See ⁵
16	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LT 6000R, LXR 8000, LXR 8500; Proliant: DL360(G3), DL380(G3), DL580(G3), DL760 (G2), ML370(G3)	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , ¹⁷ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , ¹⁷ , v2.4.9–e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340–E–SP	See ⁵
17	Netserver LPR	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , ¹⁷ , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340–E–SP	See ⁵
18	Netserver LPR	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁷ , v2.4.9–e.25 ²⁷ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ² , ¹⁸ , v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2340–E–SP	See ⁵
19	Netserver LPR	Red Hat Linux 2.1 ES v2.4.9–e.24 ² , ¹⁷	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340–E–SP	
20	Netserver LPR	Red Hat Linux 2.1 ES v2.4.9–e.24 ² , ¹⁸	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2340–E–SP	
21	Proliant 8500	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ² , ⁹ , ¹⁰ , ¹¹	Oracle 9i RAC 9.2.0.1.0 ⁶	RAC: 8	QLogic QLA2340–E–SP ⁷	See ⁵
22	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ¹ , ² , ¹³ , v2.4.9–E.12 ¹ , ² , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ³ , ⁶	RAC: 8	QLogic QLA2310F–E–SP ⁷	
23	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ¹ , ² , ¹³ , v2.4.9–E.12 ¹ , ² , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ³ , ⁶	RAC: 8	QLogic QLA2340–E–SP ⁷	See ⁵
24	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ¹ , ² , ¹³ , v2.4.9–E.9 ¹ , ²	Oracle 9i RAC 9.2.0.1.0 ³	RAC: 8	QLogic QLA2342–E–SP	
25	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ¹ , ² , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ³ , ⁶	RAC: 8	QLogic QLA2342–E–SP ⁷ , ⁸	
26	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁷ , v2.4.9–e.25 ²⁷ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , ¹⁸ , v2.4.9–e.25 ² , ¹⁸ , v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9802DC–E ¹⁹ , LP982–E ⁵ , ²¹ , ²⁸ , ²⁹ , ³⁰ , QLogic: QLA2310F–E–SP ⁷ , ²² , ²³ , QLA2342–E–SP	
27	Proliant BL40p	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁷ , v2.4.9–e.25 ²⁷ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ² , ¹⁸ , v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002–E (LP9002L–E) ¹⁹	See ²⁰
28	Proliant BL40p	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁷ , v2.4.9–e.25 ²⁷ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ² , ¹⁸ , v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002DC–E ¹⁹	See ²⁰ , ²¹
29	Proliant BL40p	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁷ , v2.4.9–e.25 ²⁷ , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.25 ² , ¹⁸ , v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9802–E ¹⁹	See ²⁰ , ²¹
30	Proliant BL40p	Red Hat Linux 2.1 ES v2.4.9–e.24 ² , ¹⁸	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9002–E (LP9002L–E) ¹⁹ , LP9002DC–E ¹⁹ , LP9802–E ¹⁹	
31	Proliant DL740	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ¹ , ² , ¹³ , v2.4.9–E.12 ¹ , ² , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ³	RAC: 8	QLogic: QLA2340–E–SP, QLA2342–E–SP	
32	Proliant DL760 (G2)	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ¹ , ²	Veritas Cluster Server (VCS) 2.0 ¹⁴ , ¹⁵ , ¹⁶	HA: 8	QLogic QLA2340–E–SP	
33	Proliant DL760 (G2)	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ¹ , ² , ¹³ , v2.4.9–E.12 ¹ , ² , v2.4.9–E.9 ¹ , ²	Oracle 9i RAC 9.2.0.1.0 ³	RAC: 8	QLogic QLA2340–E–SP	
34	Proliant DL760 (G2)	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ³	RAC: 8	QLogic QLA2340–E–SP	See ⁵
35	Proliant DL760 (G2)	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	Veritas Cluster Server (VCS) 2.0 ¹⁴ , ¹⁵ , ¹⁶	HA: 8	QLogic QLA2340–E–SP	See ⁵
36	Proliant DL760 ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ¹ , ² , ¹³ , v2.4.9–E.12 ¹ , ² , v2.4.9–E.9 ¹ , ² , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ³	RAC: 8	QLogic: QLA2340–E–SP, QLA2342–E–SP	
37	Proliant: 6500 ⁴ , ¹² , 8500, DL360 ⁴ , DL380 ⁴ , DL560, DL580 ⁴	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ¹ , ²	Oracle 9i RAC 9.2.0.1.0 ³	RAC: 8	QLogic QLA2340–E–SP	
38	Proliant: 6500 ⁴ , ¹² , DL360 ⁴ , DL380 ⁴ , DL560, DL580 ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ¹ , ² , ¹³ , v2.4.9–E.12 ¹ , ² , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ³	RAC: 8	QLogic QLA2340–E–SP	See ⁵

HPQ – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
39	Proliant: 6500 ^{4,12} , DL360 ⁴ , DL380 ⁴ , DL560, DL580 ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{14,15,16}	HA: 8	QLogic QLA2340-E-SP	See ⁵
40	Proliant: 6500 ^{4,12} , DL360 ⁴ , DL380 ⁴ , DL560, DL580 ⁴ , DL760 (G2)	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,13} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ³	RAC: 8	QLogic QLA2342-E-SP	
41	Proliant: 6500 ^{4,12} , DL360 ⁴ , DL380 ⁴ , DL560, DL580 ⁴ , DL760 (G2)	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{14,15,16}	HA: 8	QLogic QLA2342-E-SP	
42	Proliant: 8500, DL360 ⁴ , DL380(G2) ⁴ , DL380(G3), DL380 ⁴ , DL560, DL580 ⁴ , DL740, DL760 (G2), DL760 ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,18} , v2.4.9-e.25 ^{2,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002-E (LP9002L-E) ¹⁹	See ²⁰
43	Proliant: 8500, DL360 ⁴ , DL380(G2) ⁴ , DL380(G3), DL380 ⁴ , DL560, DL580 ⁴ , DL740, DL760 (G2), DL760 ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,18} , v2.4.9-e.25 ^{2,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002DC-E ¹⁹	See ^{20,21}
44	Proliant: 8500, DL360 ⁴ , DL380(G2) ⁴ , DL380(G3), DL380 ⁴ , DL560, DL580 ⁴ , DL740, DL760 (G2), DL760 ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,18} , v2.4.9-e.25 ^{2,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9802-E ¹⁹	See ²¹
45	Proliant: BL40p, DL740, DL760 ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,18} , v2.4.9-e.25 ^{2,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9802DC-E ¹⁹ , LP982-E ^{5,21,28,29,30} ; QLogic: QLA2310F-E-SP ²² , QLA2340-E-SP, QLA2342-E-SP	
46	Proliant: DL360 ⁴ , DL380(G2) ⁴ , DL380(G3), DL380 ⁴ , DL560, DL580 ⁴ , DL760 (G2)	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,18} , v2.4.9-e.25 ^{2,18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9802DC-E ¹⁹ , LP982-E ^{5,21,28,29,30} ; QLogic: QLA2310F-E-SP ²² , QLA2342-E-SP	
47	Proliant: DL740, DL760 ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{14,15,16}	HA: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RQP.
- Oracle Cluster File System v1.x supported with Linux v2.4.9-E9, E10, E12, E16, E24, E25.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Configuration information available on EMC PowerLink and Avatar: See the Case Study "Oracle 9i RAC on Linux Red Hat 7.1 and Red Hat 2.1 Advanced Server with CLARiON Storage Arrays" in the EMC Networked Storage Topology Guide.
- Host must be offline for CLARiON-licensed (Flare) upgrade and Storage Processor replacement.
- Driver v6.04.00 or above must be used with QLogic HBAs for direct attach configurations.
- Watchdog Timer should be disabled in ocmargs.ora
- Supported with QLogic driver v6.05.00.
- OCFS (Oracle Cluster File System) is not supported.
- Includes both Pentium PRO and XEON models
- OCFS (Oracle Cluster File System) is supported. Requires patch mount-2.11g-6i386.rpm (ocfs mount support).
- GAB disks (membership and service group heartbeat disks) are not supported.
- When VxVM is used, EMC recommends VxVM 3.2 update 2, VxFS 3.4 update 1 and above.
- Review single attach VxVM notes for PowerPath and DMP restrictions.
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- Oracle Cluster File System 1.x supported for 9i RAC 9.2.0.3. PowerPath 3.03
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
- Single HBA zoning is required regardless of the switch being utilized.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- requires patch p2632931_9202_LINUX.zip (9.2.0.2 patch set).
- Requires patch p2646914_9202_LINUX.zip (Private Network Fix).
- PowerPath is not supported.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RQP.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.**
- Emulex driver and BIOS available from <http://www.emulex.com>.**
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**

IBM

IBM – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	xSeries: X335, X342, x345, x360, x370, x440, x445	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{1,2} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{1,2} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP	See ³
2	xSeries: X335, X342, x345, x360, x370, x440, x445	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{1,2} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{1,2} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2342-E-SP	

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RQP.
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.

SuSE Linux
Dell

Dell – SuSE Linux					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	Emulex: LP9002–E (LP9002L–E) ^{4, 7} , LP9002DC–E ⁷ , LP9802–E ⁷ , LP9802DC–E ^{4, 5, 6, 7} , LP982–E ^{8, 9, 10, 11, 12} ; QLogic: QLA2310F–E–SP ^{4, 6, 13, 14} , QLA2340–E–SP, QLA2342–E–SP

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiON–attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- Supports PowerPath v3.0.4 b12 only.
- FC–AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- PowerPath supported. ATF/CDE not supported.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- Single HBA zoning is required regardless of the switch being utilized.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- Host must be offline for CLARiON–licensed (Flare) upgrade and Storage Processor replacement.
- Driver v6.04.00 or above must be used with QLogic HBAs for direct attach configurations.

HPQ

HPQ – SuSE Linux					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	Netserv LC: 2000 U3, 2000R; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000R, LPR, LT 6000R, LXR 8000, LXR 8500	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	QLogic: QLA2310F–E–SP ^{10, 11, 13, 15} , QLA2340–E–SP, QLA2342–E–SP
2	Proliant 5500 ^{14, 16}	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	Emulex LP9002–E (LP9002L–E)
3	Proliant 6400R ¹⁴	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	Emulex: LP9002–E (LP9002L–E), LP9802–E, LP9802DC–E, LP982–E; QLogic: QLA2310F–E–SP ¹⁰ , QLA2340–E–SP, QLA2342–E–SP
4	Proliant 8500	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	Emulex: LP9002–E (LP9002L–E) ^{4, 11} , LP9002DC–E ⁴ , LP9802–E ⁴ , LP9802DC–E ^{4, 10, 11, 12} , LP982–E ^{5, 6, 7, 8, 9} ; QLogic: QLA2310F–E–SP ^{10, 11, 13} , QLA2340–E–SP, QLA2342–E–SP
5	Proliant: BL40p, DL360 ¹⁴ , DL380(G2) ¹⁴ , DL380(G3), DL380 ¹⁴ , DL560, DL580 ¹⁴ , DL740, DL760 (G2), DL760 ¹⁴	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	Emulex: LP9002–E (LP9002L–E) ⁴ , LP9002DC–E ⁴ , LP9802–E ⁴ , LP9802DC–E ⁴ , LP982–E ^{5, 6, 7, 8, 9} ; QLogic: QLA2310F–E–SP ¹⁰ , QLA2340–E–SP, QLA2342–E–SP

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiON–attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- Supports PowerPath v3.0.4 b12 only.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- Single HBA zoning is required regardless of the switch being utilized.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- FC–AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- PowerPath supported. ATF/CDE not supported.
- Host must be offline for CLARiON–licensed (Flare) upgrade and Storage Processor replacement.
- Compaq servers that are rack–mountable (designated by Compaq with an "R") are supported.
- Driver v6.04.00 or above must be used with QLogic HBAs for direct attach configurations.
- Includes both Pentium PRO and XEON models

IBM

IBM – SuSE Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	eServer BladeCenter HS20 (Model 8678) ^{9, 10}	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Microsoft MSCS ^{4, 5, 6}	HA: 4	IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ^{11, 12} , Optical Pass–thru Module 02R9080 ^{7, 8}	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiON–attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
 - Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
 - EMC VolumeLogix Software required for multiple BladeServers when direct–attached to EMC Symmetrix storage.
 - Dual–port FC switch module. Can be used in place of Optical PassThru Module (OPM.)
 - Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.

Fibre Connectivity: Hub

Please refer to the Cables and Connectors section for more information. Please refer to the Base Connectivity Interoperability Application for details concerning kernel versions, minimum driver and BIOS / firmware revisions. Fanout represents the maximum initiators (host adapters) per array port. Fanin represents the number of array ports visible to a single initiator (host adapter). In arbitrated loop environments, these numbers represent the maximum initiators per loop. In switch environments, these numbers are achieved through Zoning. For further details on Fanin/Fanout, see the Connectrix Enterprise Storage Network Planning Guide, EMC Networked Storage Topology Guide, and CLARiON Open Systems Configuration Guide. For Switch Firmware levels and other fabric parameters, see Switched Fabric Topology parameters.

Microsoft Windows 2000

Microsoft Windows 2000								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2}	Emulex: LP1050-E, LP1050DC-E, LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Gadzoos FCL1063TW	4	15	256	223, 256	128
2	Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E, LP10000DC-E	Gadzoos FCL1063TW	4	15	256	223, 256	128
3	Microsoft Windows 2000: Advanced Server SP4 ¹ , Server SP4 ¹	Emulex: LP10000-E, LP10000DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	Gadzoos FCL1063TW	4	15	256	223, 256	128

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Microsoft Windows NT

Microsoft Windows NT								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ² , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Gadzoos FCL1063TW ³	4	15	256	223, 256	128

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- No support for Fibre Channel Hubs on AViiON servers.

Novell Netware

Novell Netware								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	Novell Netware 5.10 SP6	QLogic: QLA2310F-E-SP, QLA2340-E-SP ³	Gadzoos FCL1063TW	4	15	256	223, 256	128
2	Novell Netware 6.5 ^{2,4}	QLogic: QLA2310F-E-SP, QLA2340-E-SP ⁵	Gadzoos FCL1063TW	4	15	256	223, 256	128
3	Novell Netware: 5.10 SP5 ¹ , 6.0 SP1 ^{1,2} , 6.0 SP2 ^{1,2} , 6.0 SP3 ²	QLogic: QLA2310F-E-SP, QLA2340-E-SP	Gadzoos FCL1063TW	4	15	256	223, 256	128

- Maximum number of NWFS volumes that can be mounted is 64.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- FC-AL for CX200 requires the following:
If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
- Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.
- FC-AL for CX200, If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.

Red Hat Linux

Red Hat Linux								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	Red Hat Linux 2.1 Advanced Server v2.4.9-e.25 ¹	Emulex: LP9002-E (LP9002L-E) ^{6,10,11,12} , LP9002DC-E ³ , 6,11,12,13, LP9802-E ^{6,11,12,13} , LP9802DC-E ^{6,11,12} , LP982-E ^{3,6,12,13,14}	Gadzoos FCL1063TW	4	15	256	128	128
2	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,4} , v2.4.9-E.12 ^{1,4} , v2.4.9-E.16 ^{1,4} , v2.4.9-E.3 ^{1,2} , v2.4.9-E.9 ^{1,4} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,4} , v2.4.9-e.16 ^{1,4}	QLogic: QLA2200F-EMC ³ , QLA2310F-E-SP ³ , QLA2340-E-SP ³	Gadzoos FCL1063TW	4	15	256	128	128
3	Red Hat Linux 2.1 ES v2.4.9-e.25 ¹	Emulex LP1050DC-E ^{3,6,11,12,13}	Gadzoos FCL1063TW	4	15	256	1238	128
4	Red Hat Linux 2.1 ES v2.4.9-e.25 ¹	Emulex: LP10000-E ^{3,6,11,12,13} , LP10000DC-E ^{3,6,11,12,13} , LP1050-E ^{3,6,11,12,13} , LP9002-E (LP9002L-E) ^{6,10,11,12} , LP9002DC-E ^{3,6,11,12,13} , LP9802-E ^{6,11,12,13} , LP9802DC-E ^{9,11,12} , LP982-E ^{3,6,12,13,14}	Gadzoos FCL1063TW	4	15	256	128	128

Red Hat Linux								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
5	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ^{1,5} , ES v2.4.9-e.24 ^{1,5}	Emulex: LP9002-E (LP9002L-E) ^{6, 10, 11, 12} , LP9002DC-E ^{3, 6, 11, 12, 13} , LP9802DC-E ^{6, 11, 12, 13} , LP982-E ^{3, 6, 12, 13, 14} ; QLogic: QLA2200F-EMC ^{3, 6, 7, 8} , QLA2310F-E-SP ^{3, 6, 7, 9} , QLA2340-E-SP ^{3, 7, 9}	Gadzoos FCL1063TW	4	15	256	128	128
6	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ¹ , ES v2.4.9-e.24 ¹	Emulex LP9802-E ^{6, 11, 12, 13}	Gadzoos FCL1063TW	4	15	256	128	128
7	Red Hat Linux 2.1: Advanced Server v2.4.9-e.25 ^{1,5} , ES v2.4.9-e.25 ^{1,5}	QLogic: QLA2200F-EMC ^{3, 6, 7, 8} , QLA2310F-E-SP ^{3, 6, 7, 9} , QLA2340-E-SP ^{3, 7, 9}	Gadzoos FCL1063TW	4	15	256	128	128
8	Red Hat Linux 7.3 updated to v2.4.20-20.7 ¹	Emulex: LP10000DC-E, LP9002DC-E, LP9802-E; QLogic: QLA2200F-EMC ³ , QLA2310F-E-SP ³ , QLA2340-E-SP ³	Gadzoos FCL1063TW	4	15	256	128	128
9	Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹	Emulex: LP9002-E (LP9002L-E) ^{6, 10, 11, 12} , LP9002DC-E ^{3, 6, 11, 12, 13} , LP9802-E ^{3, 6, 11, 12, 13} , LP9802DC-E ^{3, 6, 11, 12, 13}	Gadzoos FCL1063TW	4	15	256	128	128

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supported with QLogic driver v6.05.00.
- Single HBA zoning is required regardless of the switch being utilized.
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**

SuSE Linux

SuSE Linux								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1, 2}	Emulex LP1050DC-E ^{3, 4, 8, 9, 14}	Gadzoos FCL1063TW	4	15	256	1238	128
2	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1, 2}	Emulex: LP10000-E ^{3, 4, 6, 8, 9} , LP10000DC-E ^{3, 4, 6, 8, 9} , LP1050-E ^{3, 4, 8, 9, 14} , LP9002-E (LP9002L-E) ^{3, 4, 6, 8, 9, 12} , LP9002DC-E ^{3, 4, 6, 8, 9, 10, 11} , LP9802-E ^{3, 4, 6, 8, 9, 10, 11} , LP982-E ^{3, 4, 8, 9, 13} ; QLogic: QLA2200F-EMC ^{3, 4, 5, 6} , QLA2310F-E-SP ^{3, 4, 6, 7} , QLA2340-E-SP ^{3, 6, 7}	Gadzoos FCL1063TW	4	15	256	128	128

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- Single HBA zoning is required regardless of the switch being utilized.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
- Use the boot option "acpi=oldboot" in SuSE SLES8 SMP configurations with the LP9802DC-E and LP9002DC-E adapters
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**

Fibre Connectivity: Switch

Fanout represents the maximum initiators (host adapters) per array port. Fanin represents the number of array ports visible to a single initiator (host adapter). In arbitrated loop environments, these numbers represent the maximum initiators per loop. In switch environments, these numbers are achieved through Zoning. For further details on Fanin/Fanout, see the Connectrix Enterprise Storage Network Planning Guide, EMC Networked Storage Topology Guide, and CLARiiON Open Systems Configuration Guide. For Switch Firmware levels and other fabric parameters, see Switched Fabric Topology parameters.

Microsoft Windows 2000

Microsoft Windows 2000								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Microsoft Windows 2000 Advanced Server SP3 ^{1, 2}	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ⁹ , Optical Pass-thru Module 02R9080 ^{10, 11} ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ³ , 2800 ³ , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{3, 6} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B ³ , ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹² , ES-4500	4	15	256	223, 256	Y
2	Microsoft Windows 2000 Advanced Server SP3 ^{1, 2}	Unisys FCH732213-P64 (LP9002L-F2)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹² , ES-4500	4	15	256	256	Y
3	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM 00N6881 (QLA2200) ⁸ ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹² , ES-4500	4	15	256	256	Y
4	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2300F-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹² , ES-4500	4	15	256	256	Y
5	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹² , ES-4500	4	15	256	223, 256	Y
6	Microsoft Windows 2000 Advanced Server SP2 ^{1, 2} , Server SP2 ^{1, 2} , Server SP3 ^{1, 2}	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ⁹ , Optical Pass-thru Module 02R9080 ^{10, 11}	Brocade Silkworm: 12000, 2400 ³ , 2800 ³ , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{3, 6} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B ³ , ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹² , ES-4500	4	15	256	223, 256	Y

Microsoft Windows 2000								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
7	Microsoft Windows 2000: Advanced Server SP2 ^{1, 2} , Server SP2 ^{1, 2} , Server SP3 ^{1, 2}	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ³ , 2800 ³ , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁷ , DS-16B ^{3, 6} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B2, DS-8B ³ , ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹² , ES-4500	4	15	256	223, 256	Y
8	Microsoft Windows 2000: Advanced Server SP4 ¹ , Server SP4 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ⁹ , Optical Pass-thru Module 02R9080 ^{10, 11}	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁷ , DS-16B ⁶ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹² , ES-4500	4	15	256	223, 256	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"
- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Microsoft Windows 2003

Microsoft Windows 2003								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Microsoft Windows 2003 64-Bit DataCenter	Emulex LP982-E; QLogic QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁴ , DS-16B ^{2, 5} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ³ , DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032, ED-12000B ³ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹² , ES-4500	4	15	256	223, 256	Y
2	Microsoft Windows 2003 64-Bit DataCenter	NEC: NT2007A-A001 ⁸ , NT2010A-A001 ⁷	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁴ , DS-16B ^{2, 5} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ³ , DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032, ED-12000B ³ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹² , ES-4500	4	15	256	256	Y

Microsoft Windows 2003								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
3	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁴ , DS-16B2 ⁵ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ³ , DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032, ED-12000B ³ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹² , ES-4500	4	15	256	223, 256	Y
4	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	NEC: NT2007A-A001 ⁸ , NT2010A-A001 ⁷ ; Unisys FCH742313-P64 (LP9802)	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁴ , DS-16B2 ⁵ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ³ , DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032, ED-12000B ³ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹² , ES-4500	4	15	256	256	Y
5	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁶ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ⁹ , Optical Pass-thru Module 02R9080 ¹⁰ , 11; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁴ , DS-16B2 ⁵ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ³ , DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032, ED-12000B ³ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹² , ES-4500	4	15	256	223, 256	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- This HBA is equivalent to the QLogic QLA2340.
- This HBA is equivalent to the Emulex LP982.
- Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Microsoft Windows NT

Microsoft Windows NT								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ⁶ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁴ , DS-16B2 ⁵ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ³ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ³ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ⁷ , ES-4500	4	15	256	223, 256	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Novell Netware

Novell Netware								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Novell Netware 5.10 SP5 ¹	QLogic: QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2,4} , DS-16B ^{2,3} , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁵ , ED-12000B ⁶ , ED-140M, ED-64M ⁵ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15	256	223, 256	Y
2	Novell Netware 5.10 SP6	Emulex LP9002-E (LP9002L-E); QLogic: QLA2200F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP ⁸	EMC Connectrix DS-32B ²⁶	4	15	256	256	Y
3	Novell Netware 5.10 SP6	QLogic: QLA2310F-E-SP, QLA2340-E-SP ⁸	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2,4} , DS-16B ^{2,3} , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁵ , ED-12000B ⁶ , ED-140M, ED-64M ⁵ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15	256	223, 256	Y
4	Novell Netware 5.10: SP2A ¹ , SP2 ¹	QLogic QLA2202F-EMC	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2,4} , DS-16B ^{2,3} , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁵ , ED-12000B ⁶ , ED-140M, ED-64M ⁵ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15	256	128	Y
5	Novell Netware 5.10: SP2A ¹ , SP2 ¹ , SP5 ¹ , SP6	QLogic QLA2200F-EMC	EMC Connectrix: DS-32M, ED-1032 ⁵	4	15	256	128	Y
6	Novell Netware 5.10: SP2A ¹ , SP2 ¹ , SP5 ¹ , SP6	QLogic QLA2200F-EMC ^{13, 14, 15, 16, 17}	Brocade Silkworm: 12000, 2400 ^{2, 18} , 2800 ^{2, 18} , 3200 ¹⁹ , 3800 ¹⁹ , 3900, 6400; EMC Connectrix: DS-16B ^{2,4, 19} , DS-16B ^{2,3, 18} , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁶ , DS-32M2, DS-8B2, DS-8B ^{2, 18} , ED-12000B ⁶ , ED-140M, ED-64M ⁵ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15	256	128	Y
7	Novell Netware 5.10: SP5 ¹ , SP6	Emulex LP9002-E (LP9002L-E); QLogic: QLA2202F-EMC, QLA2300F-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2,4} , DS-16B ^{2,3} , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁵ , ED-12000B ⁶ , ED-140M, ED-64M ⁵ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15	256	128	Y
8	Novell Netware 5.10: SP5 ¹ , SP6	IBM 00N6881 (QLA2200) ¹²	EMC Connectrix DS-32B ²⁶	4	15	256	128	Y
9	Novell Netware 5.10: SP5 ¹ , SP6; Novell Netware 6.0: SP1 ¹ , SP2 ^{1,7} , SP3 ⁷ ; Novell Netware 6.5 ^{7, 20}	IBM: 19K1246(QLA2310) ^{9, 11} , 24P0960(QLA2340) ^{9, 10} ; QLogic QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2,4} , DS-16B ^{2,3} , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁶ , DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁵ , ED-12000B ⁶ , ED-140M, ED-64M ⁵ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15	256	128	Y
10	Novell Netware 6.0: SP1 ¹ , SP2 ^{1,7} , SP3 ⁷	QLogic: QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2,4} , DS-16B ^{2,3} , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁶ , DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁵ , ED-12000B ⁶ , ED-140M, ED-64M ⁵ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15	256	223, 256	Y
11	Novell Netware 6.0: SP1 ¹ , SP2 ^{1,7} , SP3 ⁷ ; Novell Netware 6.5 ^{7, 20}	Emulex LP9002-E (LP9002L-E); IBM 00N6881 (QLA2200) ¹² ; QLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2,4} , DS-16B ^{2,3} , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁵ , ED-12000B ⁶ , ED-140M, ED-64M ⁵ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15	256	128	Y
12	Novell Netware 6.0: SP1 ¹ , SP2 ^{1,7} , SP3 ⁷ ; Novell Netware 6.5 ^{7, 20}	IBM 00N6881 (QLA2200) ^{9, 12}	EMC Connectrix DS-32B ²⁶	4	15	256	128	Y
13	Novell Netware 6.5 ^{7, 20}	Emulex LP9002-E (LP9002L-E); QLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP ²¹	EMC Connectrix DS-32B ²⁶	4	15	256	256	Y

Novell Netware								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
14	Novell Netware 6.57, ²⁰	QLogic: QLA2310F-E-SP, QLA2340-E-SP ²¹	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2,4} , DS-16B ^{2,3} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,6} , DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁵ , ED-12000B ⁹ , ED-140M, ED-64M ⁵ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	15	256	223, 256	Y
15	Novell Netware: 5.00 SP6A ^{1,22} , 5.10 SP2A ¹	IBM: 00N6881 (QLA2200) ¹² , 19K1246(QLA2310) ^{9,11} , 24P0960(QLA2340) ^{9,10} ; QLogic QLA2342-E-SP	EMC Connectrix DS-32B ^{2,6}	4	15	256	128	Y
16	Novell Netware: 5.00 SP6A ^{1,22} , 5.10 SP2A ¹ , 5.10 SP5 ¹ , 6.0 SP1 ^{1,7} , 6.0 SP2 ^{1,7} , 6.0 SP3 ⁷	Emulex LP9002-E (LP9002L-E), QLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP	EMC Connectrix DS-32B ^{2,6}	4	15	256	256	Y

- Maximum number of NWFS volumes that can be mounted is 64.
- Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- ED-64 and ED-1032 not supported for FC5300.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
- FC-AL for CX200 requires the following:
If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.**
- For IBM Netfinity and xSeries Intel servers only.
- This HBA is equivalent to the qLogic QLA2340.
- This HBA is equivalent to the qLogic QLA2310.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Requires QLogic driver v6.04.02 and BIOS 1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires QLogic driver v6.04.02 and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Firmware v2.5.1b or later required**
- Firmware 3.0.2a or later required.**
- Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
- FC-AL for CX200, If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
- Requires NWPALNM V.3.07A update from Novell website.**
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)**

Red Hat Linux

Red Hat Linux								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Red Hat Linux 2.1 Advanced Server v2.4.9-e.25 ²	Emulex: LP9002-E (LP9002L-E) ^{10,11,13,14,16} LP9002DC-E ^{10,11,12,13,14} , LP9802-E ^{10,11,12,13,14} , LP9802DC-E ^{10,11,13,14} , LP982-E ^{10,11,12,14,20}	Brocade Silkworm: 12000, 2400 ⁷ , 2800 ^{6,7} , 3200 ³ , 3800 ³ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,3,5} , DS-16B ^{6,7,8} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,4} , DS-32M2, DS-8B2, DS-8B ^{6,7} , ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	4	15	256	128	Y
2	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.32 ⁹ , v2.4.9-E.91 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2}	HPQ Dual-port mezzanine controller card ^{17,18} ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ⁷ , 2800 ^{6,7} , 3200 ³ , 3800 ³ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,3,5} , DS-16B ^{6,7,8} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,4} , DS-32M2, DS-8B2, DS-8B ^{6,7} , ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	4	15	256	128	Y
3	Red Hat Linux 2.1 ES v2.4.9-e.25 ²	Emulex LP1050DC-E ^{10,11,12,13,14}	Brocade Silkworm: 12000, 2400 ⁷ , 2800 ^{6,7} , 3200 ³ , 3800 ³ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,3,5} , DS-16B ^{6,7,8} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,4} , DS-32M2, DS-8B2, DS-8B ^{6,7} , ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	4	15	256	1238	Y

Red Hat Linux								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
4	Red Hat Linux 2.1 ES v2.4.9-e.25 ²	Emulex: LP1000-E ^{10, 11, 12, 13, 14} , LP1000DC-E ^{10, 11, 12, 13, 14} , LP1050-E ^{10, 11, 12, 13, 14} , LP9002-E (LP9002L-E) ^{10, 11, 13, 14, 16} , LP9002DC-E ^{10, 11, 12, 13, 14} , LP9802-E ^{10, 11, 12, 13, 14} , LP9802DC-E ^{10, 11, 13, 14} , LP982-E ^{10, 11, 12, 14, 20}	Brocade Silkworm: 12000, 2400 ⁷ , 2800 ^{6, 7} , 3200 ³ , 3800 ³ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{3, 5} , DS-16B ^{6, 7, 8} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M2, DS-8B2, DS-8B ^{6, 7} , ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	4	15	256	128	Y
5	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ^{2, 15} ES v2.4.9-e.24 ^{2, 15}	Emulex: LP9002-E (LP9002L-E) ^{10, 11, 13, 14, 16} , LP9002DC-E ^{10, 11, 12, 13, 14} , LP9802DC-E ^{10, 11, 13, 14} , LP982-E ^{10, 11, 12, 14, 20} ; HPQ Dual-port mezzanine controller card ^{17, 18} ; QLogic: QLA2200F-EMC ^{14, 17, 19} , QLA2310F-E-SP ^{14, 17, 18} , QLA2340-E-SP ^{17, 18}	Brocade Silkworm: 12000, 2400 ⁷ , 2800 ^{6, 7} , 3200 ³ , 3800 ³ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{3, 5} , DS-16B ^{6, 7, 8} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M2, DS-8B2, DS-8B ^{6, 7} , ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	4	15	256	128	Y
6	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ² ES v2.4.9-e.24 ²	Emulex LP9802-E ^{10, 11, 12, 13, 14}	Brocade Silkworm: 12000, 2400 ⁷ , 2800 ^{6, 7} , 3200 ³ , 3800 ³ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{3, 5} , DS-16B ^{6, 7, 8} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M2, DS-8B2, DS-8B ^{6, 7} , ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	4	15	256	128	Y
7	Red Hat Linux 2.1: Advanced Server v2.4.9-e.25 ^{2, 15} ES v2.4.9-e.25 ^{2, 15}	HPQ Dual-port mezzanine controller card ^{17, 18} ; QLogic: QLA2200F-EMC ^{14, 17, 19} , QLA2310F-E-SP ^{14, 17, 18} , QLA2340-E-SP ^{17, 18}	Brocade Silkworm: 12000, 2400 ⁷ , 2800 ^{6, 7} , 3200 ³ , 3800 ³ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{3, 5} , DS-16B ^{6, 7, 8} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M2, DS-8B2, DS-8B ^{6, 7} , ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	4	15	256	128	Y
8	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex: LP1000DC-E, LP9002DC-E, LP9802-E; HPQ Dual-port mezzanine controller card ^{17, 18} ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ⁷ , 2800 ^{6, 7} , 3200 ³ , 3800 ³ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{3, 5} , DS-16B ^{6, 7, 8} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M2, DS-8B ^{6, 7} , ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	4	15	256	128	Y
9	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP9002-E (LP9002L-E) ^{10, 11, 13, 14, 16} , LP9002DC-E ^{10, 11, 12, 13, 14} , LP9802-E ^{10, 11, 12, 13, 14} , LP9802DC-E ^{10, 11, 12, 13, 14}	Brocade Silkworm: 12000, 2400 ⁷ , 2800 ^{6, 7} , 3200 ³ , 3800 ³ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{3, 5} , DS-16B ^{6, 7, 8} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M2, DS-8B2, DS-8B ^{6, 7} , ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	4	15	256	128	Y
10	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC	EMC Connectrix: DS-32M, ED-1032 ²²	4	15	256	128	Y

Red Hat Linux								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
11	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{14, 17, 19}	Brocade Silkstorm: 12000, 2400 ^{6, 7} , 2800 ^{6, 7} , 3200 ⁵ , 3800 ³ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2, 5} , DS-16B ^{6, 7, 8} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2, 4} , DS-32M2, DS-8B2, DS-8B ^{6, 7} , ED-1200B ⁴ , ED-140M, ED-64M ²² ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	4	15	256	128	Y

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Firmware 3.0.2a or later required.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
- Firmware v2.5.1b or later required
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- Supported with QLogic driver v6.05.00.
- Single HBA zoning is required regardless of the switch being utilized.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)
- ED-64 and ED-1032 not supported for FC5300.

SuSE Linux

SuSE Linux								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1, 2}	Emulex LP1050DC-E ^{11, 13, 14, 15, 20}	Brocade Silkstorm: 12000, 2400 ⁷ , 2800 ^{6, 7} , 3200 ⁵ , 3800 ⁵ , 3900, 6400; EMC Connectrix: DS-16B ^{2, 9} , DS-16B ^{6, 7, 10} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2, 8} , DS-32M2, DS-8B2, DS-8B ^{6, 7} , ED-1200B ⁸ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	4	15	256	1238	Y
2	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1, 2}	Emulex: LP10000-E ^{3, 11, 13, 14, 15} LP10000DC-E ^{3, 11, 13, 14, 15} LP1050-E ^{11, 13, 14, 15, 20} LP9002-E (LP9002L-E) ^{3, 11, 13, 14, 15, 18} LP9002DC-E ^{3, 11, 13, 14, 15, 16, 17} LP9802-E ^{3, 11, 13, 14, 15} LP9802DC-E ^{3, 11, 13, 14, 15, 16, 17} LP982-E ^{11, 13, 14, 15, 19} ; HPQ Dual-port mezzanine controller card ^{3, 4} ; QLogic: QLA2200F-EMC ^{3, 11, 12} , QLA2310F-E-SP ^{3, 4, 11} , QLA2340-E-SP ^{3, 4}	Brocade Silkstorm: 12000, 2400 ⁷ , 2800 ^{6, 7} , 3200 ⁵ , 3800 ⁵ , 3900, 6400; EMC Connectrix: DS-16B ^{2, 9} , DS-16B ^{6, 7, 10} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2, 8} , DS-32M2, DS-8B2, DS-8B ^{6, 7} , ED-1200B ⁸ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²¹ , ES-4500	4	15	256	128	Y

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Firmware 3.0.2a or later required.
- Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
- Firmware v2.5.1b or later required
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- Single HBA zoning is required regardless of the switch being utilized.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- Use the boot option "acpi=oldboot" in SuSE SLES8 SMP configurations with the LP9802DC-E and LP9002DC-E adapters
- Host must be offline for CLARiON-licensed (Flare) upgrade and Storage Processor replacement.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**

21. Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

iSCSI to FC Routing

No.	Operating System	Network Interface Card	Driver	Network Configuration	Bridge	Firmware Revision	Comments
1	Microsoft Windows 2000: Advanced Server SP4 ⁵ , Server SP4 ⁹ ; Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁵ , Standard Edition (Server) ⁵	Generic NIC 10/100, Generic NIC GE	Microsoft 1.01 ¹ , 2, 3, 4	LAN Only ^{9, 10}	Nishan IPS 3300, Nishan IPS 4300	4.1	See ^{6, 7, 8}

1. Booting over iSCSI is not supported.
2. Clusters are not supported.
3. Microsoft Dynamic Disks are not supported.
4. The maximum number of iSCSI LUNs supported per host system is 128.
5. EMC recommends that HBAs of different vendors not be used in the same host server.
6. This configuration requires completion of a Pre-Sales Questionnaire (PSQ).
7. PowerPath 3.0.5 is supported with different subnets for each path.
8. A maximum of 12:1 fan-in is supported.
9. Layer 2 or single subnet TCP/IP LAN
10. Requires a dedicated network for iSCSI storage only. The network should be design to have no packet loss or packet duplication.

Application Software Microsoft Windows 2000

Microsoft Windows 2000				
No.	Operating System	Host Bus Adapter	Application Software	Comments
1	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ²	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM: 24P0960(QLA2340) ⁵ , HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ¹¹ , HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{9, 10} ; NEC: N8103-200, N8190-105 ¹² , N8503-200, N8803-031 (QLA2310F); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	AccessLogix 02.05; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁷ , Manager Base 6.5, Manager, Event Monitor 6.5 ⁸ ; PowerPath: 3.0.2 ³ , 3.0.5 ^{3, 6}	See ¹
2	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ²	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM: 24P0960(QLA2340) ⁵ , HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ¹¹ , HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{9, 10} ; NEC: N8103-200, N8190-105 ¹² , N8503-200, N8803-031 (QLA2310F); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	PowerPath Base: 3.0.2 ³ , 3.0.5 ^{3, 6}	See ¹
3	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ²	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM 24P0960(QLA2340) ⁵ ; NEC: N8103-200, N8190-105 ¹² , N8503-200, N8803-031 (QLA2310F); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	AccessLogix 02.05; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁷ , Manager Base 6.5, Manager, Event Monitor 6.5 ⁸ ; PowerPath: 3.0.2 ³ , 3.0.5 ^{3, 6} , Base 3.0.2 ³ , Base 3.0.5 ^{3, 6}	See ¹

1. Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. Powerpath supported on FC4500, FC4700, CX600, CX400, and CX200.
PowerPath Base supported on FC4500, CX200 only.
CLARiON and Symmetrix can co-exist in the SAN with the same server.
4. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
5. This HBA is equivalent to the qLogic QLA2340.
6. Stratus ftServer OS release 2.1 or greater required for Stratus ftServers.
7. Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
8. Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
9. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
10. Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
11. Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
12. EMC does not support the Emulex equivalent of N8190-105. Check with NEC on where to download the latest supported firmware and boot BIOS for this adapter.

Microsoft Windows 2003

Microsoft Windows 2003			
No.	Operating System	Host Bus Adapter	Application Software
1	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ^{1, 2} , Standard Edition (Server) ^{1, 2}	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ¹⁰ , Optical Pass-thru Module 02R9080 ^{8, 9} ; NEC: N8190-105 ¹¹ , N8803-031 (QLA2310F); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	AccessLogix 02.05; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁶ , Manager Base 6.5, Manager, Event Monitor 6.5 ⁷ ; PowerPath: 3.0.5 ^{3, 4} , Base 3.0.5 ^{3, 4}

- EMC recommends that HBAs of different vendors not be used in the same host server.
- For Windows 2003 STORPort drivers, support is limited to the following configurations: 1 HBA with 1 path to 1 SP; 2 HBAs, one with a single path to SPA and the other with a single path to SPB. Refer to HBA guides for expected device behavior. [NOTE: Powerpath not currently supported with STORPort driver.]
- Powerpath supported on FC4500, FC4700, CX600, CX400, and CX200.
PowerPath Base supported on FC4500, CX200 only.
CLARiON and Symmetrix can co-exist in the SAN with the same server.
- PowerPath is currently supported only with QLogic SCSIPort miniport drivers and the Emulex full port driver.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
- Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
- EMC does not support the Emulex equivalent of N8190-105. Check with NEC on where to download the latest supported firmware and boot BIOS for this adapter.

Microsoft Windows NT

Microsoft Windows NT				
No.	Operating System	Host Bus Adapter	Application Software	Comments
1	Microsoft Windows NT 4.0 SP6A ²	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP9802); IBM 24P0960(QLA2340) ⁵ ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	AccessLogix 02.05; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁶ , Manager Base 6.5, Manager, Event Monitor 6.5 ⁷	
2	Microsoft Windows NT 4.0 SP6A ²	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP9802); IBM 24P0960(QLA2340) ⁵ ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	PowerPath: 3.0.2 ³ , 3.0.5 ³	See ¹

- ATF/CDE is not supported on CX200, CX400 or CX600 arrays. ATF/CDE and PowerPath cannot co-exist on the same server.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath supported on FC4500, FC5300, FC4700, CX600, CX400, and CX200.

CLARiON and Symmetrix can co-exist in the SAN with the same server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- This HBA is equivalent to the qLogic QLA2340.
- Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
- Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.

Novell Network

Novell Network			
No.	Operating System	Host Bus Adapter	Application Software
1	Novell Network 5.10 SP6	QLogic QLA2340-E-SP ⁴	AccessLogix 02.05; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁵ , Manager Base 6.5, Manager, Event Monitor 6.5 ⁶ ; PowerPath: 3.0.1 ² , Base 3.0.2 ²
2	Novell Network 5.10: SP1 ¹ , SP6; Novell Network 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ³ ; Novell Network 6.5 ^{3, 7}	QLogic: QLA2200F-EMC, QLA2310F-E-SP	AccessLogix 02.05; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁵ , Manager Base 6.5, Manager, Event Monitor 6.5 ⁶ ; PowerPath: 3.0.1 ² , Base 3.0.2 ²
3	Novell Network 6.5 ^{3, 7}	QLogic QLA2340-E-SP ⁸	AccessLogix 02.05; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁵ , Manager Base 6.5, Manager, Event Monitor 6.5 ⁶ ; PowerPath: 3.0.1 ² , Base 3.0.2 ²
4	Novell Network: 5.10 SP1 ¹ , 6.0 SP1 ^{1, 3} , 6.0 SP2 ^{1, 3} , 6.0 SP3 ³	QLogic QLA2340-E-SP	AccessLogix 02.05; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁵ , Manager Base 6.5, Manager, Event Monitor 6.5 ⁶ ; PowerPath: 3.0.1 ² , Base 3.0.2 ²

- Maximum number of NWFS volumes that can be mounted is 64.
- Powerpath supported on FC4500, FC4700, CX600, CX400, and CX200.
PowerPath Base supported on FC4500, CX200 only.
CLARiON and Symmetrix can co-exist in the SAN with the same server.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- FC-AL for CX200 requires the following:
If the server is an HPQ ProLiant DLxxx or ProLiant MLxxx series, then ONLY (G2) and (G3) servers are supported.
- Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
- Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.
- FC-AL for CX200, If the server is an HPQ ProLiant DLxxx or ProLiant MLxxx series, then ONLY (G2) and (G3) servers are supported.

Red Hat Linux

Red Hat Linux			
No.	Operating System	Host Bus Adapter	Application Software
1	Red Hat Linux 2.1 Advanced Server v2.4.9-e.25 ²	Emulex: LP9002-E (LP9002L-E) ¹³ , LP9002DC-E ^{3, 9, 11, 12, 13} , LP9802-E ^{9, 11, 12, 13} , LP9802DC-E ^{9, 11, 13} , LP982-E ^{3, 9, 11, 12, 19}	PowerPath Base 3.0.3 ^{6, 7}
2	Red Hat Linux 2.1 Advanced Server v2.4.9-e.25 ²	Emulex: LP9002DC-E ^{3, 9, 11, 12, 13} , LP9802-E ^{9, 11, 12, 13} , LP9802DC-E ^{9, 11, 13} , LP982-E ^{3, 9, 11, 12, 19}	AccessLogix 02.05; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager Base 6.5, Manager, Event Monitor 6.5 ¹⁸ ; PowerPath 3.0.3 b065
3	Red Hat Linux 2.1 Advanced Server v2.4.9-e.27	Emulex: LP10000-E ^{3, 9, 11, 12, 13} , LP10000DC-E ^{3, 9, 11, 12, 13} , LP1050-E ^{3, 9, 11, 12, 13} , LP1050DC-E ^{3, 9, 11, 12, 13} , LP9002DC-E ^{3, 9, 11, 12, 13} , LP9802DC-E ^{9, 11, 13} , LP982-E ^{3, 9, 11, 12, 19}	PowerPath 3.0.3 b065
4	Red Hat Linux 2.1 Advanced Server v2.4.9-e.27 ²	Emulex LP9802-E ^{9, 11, 12, 13}	PowerPath 3.0.3 b065
5	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 16} , v2.4.9-E.9 ^{1, 2, 15} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP	AccessLogix 02.05; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager Base 6.5, Manager, Event Monitor 6.5 ¹⁸
6	Red Hat Linux 2.1 ES v2.4.9-e.25 ²	Emulex: LP10000-E ^{3, 9, 11, 12, 13} , LP10000DC-E ^{3, 9, 11, 12, 13} , LP1050-E ^{3, 9, 11, 12, 13} , LP1050DC-E ^{3, 9, 11, 12, 13} , LP9002-E (LP9002L-E) ¹³ , LP9002DC-E ^{3, 9, 11, 12, 13} , LP9802-E ^{9, 11, 12, 13} , LP9802DC-E ^{9, 11, 13} , LP982-E ^{3, 9, 11, 12, 19}	PowerPath Base 3.0.3 ^{6, 7}
7	Red Hat Linux 2.1 ES v2.4.9-e.25 ²	Emulex: LP10000-E ^{3, 9, 11, 12, 13} , LP10000DC-E ^{3, 9, 11, 12, 13} , LP1050-E ^{3, 9, 11, 12, 13} , LP1050DC-E ^{3, 9, 11, 12, 13} , LP9002DC-E ^{3, 9, 11, 12, 13} , LP9802-E ^{9, 11, 12, 13} , LP9802DC-E ^{9, 11, 13} , LP982-E ^{3, 9, 11, 12, 19}	AccessLogix 02.05; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager Base 6.5, Manager, Event Monitor 6.5 ¹⁸ ; PowerPath 3.0.3 b065
8	Red Hat Linux 2.1 ES v2.4.9-e.27	Emulex: LP10000-E ^{3, 9, 11, 12, 13} , LP10000DC-E ^{3, 9, 11, 12, 13} , LP1050-E ^{3, 9, 11, 12, 13} , LP1050DC-E ^{3, 9, 11, 12, 13} , LP9002DC-E ^{3, 9, 11, 12, 13} , LP9802-E ^{9, 11, 12, 13} , LP9802DC-E ^{9, 11, 13} , LP982-E ^{3, 9, 11, 12, 19}	PowerPath 3.0.3 b065
9	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	Emulex LP9002-E (LP9002L-E) ¹³ , QLogic: QLA2200F-EMC ^{3, 4, 5} , QLA2310F-E-SP ^{3, 4, 5} , QLA2340-E-SP ^{3, 4, 5} , QLA2342-E-SP ^{3, 4, 5}	PowerPath 3.0.3 b065 ^{6, 7}
10	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic: QLA2200F-EMC ^{3, 4, 5} , QLA2310F-E-SP ^{3, 4, 5} , QLA2340-E-SP ^{3, 4, 5} , QLA2342-E-SP ^{3, 4, 5}	PowerPath Base 3.0.3 ^{6, 7}
11	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ^{2, 14} , ES v2.4.9-e.24 ^{2, 14}	Emulex LP9002-E (LP9002L-E) ¹³	PowerPath 3.0.3 b065 ⁷
12	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ^{2, 14} , ES v2.4.9-e.24 ^{2, 14}	Emulex: LP9002DC-E ^{3, 9, 11, 12, 13} , LP9802DC-E ^{9, 11, 13} , LP982-E ^{3, 9, 11, 12, 19}	PowerPath: 3.0.3 b065, Base 3.0.3 ^{6, 7}
13	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ^{2, 14} , ES v2.4.9-e.24 ^{2, 14}	Emulex: LP9002DC-E ^{3, 9, 11, 12, 13} , LP9802DC-E ^{9, 11, 13} , LP982-E ^{3, 9, 11, 12, 19} , QLogic: QLA2200F-EMC ^{4, 9, 10} , QLA2310F-E-SP ^{4, 8, 9} , QLA2340-E-SP ^{4, 8}	AccessLogix 02.05; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager Base 6.5, Manager, Event Monitor 6.5 ¹⁸
14	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ² , ES v2.4.9-e.24 ²	Emulex LP9802-E ^{9, 11, 12, 13}	AccessLogix 02.05; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager Base 6.5, Manager, Event Monitor 6.5 ¹⁸ ; PowerPath 3.0.3 b065
15	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ² , ES v2.4.9-e.24 ²	Emulex: LP9002-E (LP9002L-E) ¹³ , LP9802-E ^{9, 11, 12, 13} , QLogic: QLA2200F-EMC ^{4, 9, 10} , QLA2310F-E-SP ^{4, 8, 9} , QLA2340-E-SP ^{4, 8} , QLA2342-E-SP ^{3, 4, 8, 9}	PowerPath Base 3.0.3 ^{6, 7}
16	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ² , ES v2.4.9-e.24 ²	QLogic: QLA2200F-EMC ^{4, 9, 10} , QLA2310F-E-SP ^{4, 8, 9} , QLA2340-E-SP ^{4, 8} , QLA2342-E-SP ^{3, 4, 8, 9}	PowerPath 3.0.3 b065 ⁷
17	Red Hat Linux 2.1: Advanced Server v2.4.9-e.25 ^{2, 14} , ES v2.4.9-e.25 ^{2, 14}	Emulex LP9002-E (LP9002L-E) ¹³ , QLogic: QLA2200F-EMC ^{4, 9, 10} , QLA2310F-E-SP ^{4, 8, 9} , QLA2340-E-SP ^{4, 8} , QLA2342-E-SP ^{3, 4, 8, 9}	PowerPath 3.0.3 b065 ⁷
18	Red Hat Linux 2.1: Advanced Server v2.4.9-e.25 ^{2, 14} , ES v2.4.9-e.25 ^{2, 14}	QLogic: QLA2200F-EMC ^{4, 9, 10} , QLA2310F-E-SP ^{4, 8, 9} , QLA2340-E-SP ^{4, 8} , QLA2342-E-SP ^{3, 4, 8, 9}	PowerPath Base 3.0.3 ^{6, 7}
19	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ¹³ , QLogic: QLA2200F-EMC ^{3, 5, 9, 10} , QLA2310F-E-SP ^{3, 4, 5, 8, 9} , QLA2340-E-SP ^{3, 4, 5, 8} , QLA2342-E-SP ^{3, 4, 8, 9}	PowerPath 3.0.3 b065 ^{6, 7}

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Host must be offline for CLARiON-licensed (Flare) upgrade and Storage Processor replacement.
- CLARiON and Symmetrix can co-exist in the SAN with the same server.
- PowerPath Base is supported on the FC4500 and CX200 only.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- This kernel is supported with PowerPath v3.0.2 via RPQ only.
- Supported with QLogic driver v6.05.00.
- Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
- Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**

SuSE Linux

SuSE Linux			
No.	Operating System	Host Bus Adapter	Application Software
1	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1,2}	Emulex: LP10000-E ^{7, 8, 9, 10} , LP10000DC-E ^{7, 8, 9, 10} , LP1050-E ^{7, 8, 9, 10, 16} , LP1050DC-E ^{7, 8, 9, 10, 16} , LP9002-E (LP9002L-E) ^{7, 8, 9, 10, 12} , LP9002DC-E ^{7, 8, 9, 10, 11} , LP9802-E ^{7, 8, 9, 10} , LP9802DC-E ^{7, 8, 9, 10, 11} , LP982-E ^{7, 8, 9, 10, 15} , QLogic QLA2200F-EMC ³	Navisphere Integrator 6.5 ¹³
2	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1,2}	Emulex: LP10000-E ^{7, 8, 9, 10} , LP10000DC-E ^{7, 8, 9, 10} , LP1050-E ^{7, 8, 9, 10, 16} , LP1050DC-E ^{7, 8, 9, 10, 16} , LP9002-E (LP9002L-E) ^{7, 8, 9, 10, 12} , LP9002DC-E ^{7, 8, 9, 10, 11} , LP9802-E ^{7, 8, 9, 10} , LP9802DC-E ^{7, 8, 9, 10, 11} , LP982-E ^{7, 8, 9, 10, 15} , QLogic: QLA2200F-EMC ³ , QLA2310F-E-SP ³ , QLA2340-E-SP ³	AccessLogix 02.05; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Manager Base 6.5, Manager, Event Monitor 6.5 ¹⁴ ; PowerPath: 3.0.4 b012 ^{4, 5, 6} , Base 3.0.4 ^{4, 5, 6}

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- CLARiiON and Symmetrix can co-exist in the SAN with the same server.
- PowerPath Base is supported on the FC4500 and CX200 only.
- PowerPath 3.0.3 b065 needs to be installed with the RPM "--noscripts" option prior to installing PowerPath 3.0.4 b012.
- Single HBA zoning is required regardless of the switch being utilized.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- Use the boot option "acpi=oldboot" in SuSE SLES8 SMP configurations with the LP9802DC-E and LP9002DC-E adapters
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
- Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**

CLARiiON CX600/400

Base Connectivity

Do not use a LUN in the CLARiiON DAE2-ATA as a host OS boot device.

DG DG/UX DG

DG – DG DG/UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	AViiON: AV25000, AV35000 ^{9, 10} , AV3750	PCI	DG DG/UX R4.20MU07 ^{2, 8}	Emulex LP8000-EMC ⁶	FC-AL, FC-SW	N	See ¹
2	AViiON: AV25000, AV35000, AV3750	PCI	DG DG/UX R4.20MU07 ²	Emulex LP8000-F1 ^{3, 4}	FC-AL, FC-SW ⁵	N	See ¹
3	AViiON: AV25000, AV35000, AV3750	PCI	DG DG/UX R4.20MU07	Emulex LP8000-EMC ^{6, 7}	FC-SW ⁵	N	

- For more information see <http://athena.europe.dg.com>
- The release notice for DG/UX (included with the software release at path: "/usr/release/dgux*.m) lists supported platforms.
- DG/UX automatically loads the firmware and BIOS onto the Emulex HBA during boot-up as needed.
- Only the Brocade FC switch connection is supported. Connectrix FC switch is not supported.
- DS-8B or DS-16B switches only; qualified with firmware v2.1.4a, v2.2, and v2.3.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Firmware Version 3.20x4.
- FC4700 is only supported on DG/UX 4.20 MU07.
Maximum of 2 fabrics, each with a maximum of 4 switches.
Maximum of 4 FC4700s per fabric.
Maximum of 16 HBAs per fabric.
Maximum of 32 HBAs per FC4700 SP.
Maximum of 6 DG/UX servers per FC4700.
Maximum of 4 HBAs per AV3750 server (2 per fabric).
Maximum of 4 HBAs per NUMA block (2 per fabric in non-clustered environments).
FA4500 may be mixed within the same fabric with FC4700 running Access Logix, but must be separately zoned.
- AViiON 25000/35000 servers are not supported for direct server connections to FC4700.
- ClarAlert is available to support FC4700 on AViiONS. ClarAlert is not compatible with other AViiON management software on the Navisphere management workstation.

EMC NAS EMC

EMC – EMC NAS							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Celerra File Server NS600 G Series	PCI	EMC NAS: 5.1.18, 5.1.19	EMC integrated	FC-AL, FC-SW	N	See ^{1, 6}
2	Celerra File Server Control Station CS-507 Series	PCI	EMC NAS: 4.1.12, 4.1.4, 4.1.8, 4.2.11, 4.2.18, 4.2.22, 4.2.5, 5.0.11, 5.0.9, 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC 201-712-900 ⁴	FC-SW	N	See ¹
3	Celerra File Server Data Mover DM7 Series	PCI	EMC NAS: 4.1.12, 4.1.4, 4.1.8, 4.2.11, 4.2.18, 4.2.22, 4.2.5, 5.0.11, 5.0.9, 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC 250-736-900 ²	FC-SW	N	See ¹
4	Celerra File Server Data Mover DM 510 Series	PCI	EMC NAS: 4.1.12, 4.1.4, 4.1.8, 4.2.11, 4.2.18, 4.2.22, 4.2.5, 5.0.11, 5.0.9, 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC: 250-734-902 ^{2, 5} , 250-735-900 ^{2, 3}	FC-SW	N	See ¹

- FC4700-2 and CX600 (CX600 requires EMC NAS release 5.0.9 or greater)
- Not field-replaceable.
- This HBA is for connecting to a disk array.
- Host Adapter Card is not field-replaceable.
- This HBA is for connecting to a Tape Library unit.
- CX600 (FC-AL or FC-SW) and CX400 (FC-SW)

Egnera BladeFrame Egnera

Egnera – Egnera BladeFrame							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	BladeFrame cBlade-EP ⁴	PCI-X	Egnera BladeFrame 3.0 ^{1, 2}	QLogic QLA2342-E-SP ^{3, 5, 6, 7}	FC-AL, FC-SW	Y	

- Maximum of 423 LUNs are supported per BladeFrame.
- pBlades are qualified with RedHat 2.1 Advanced Server v2.4.9-e.12, v2.4.9-e.16 and v2.4.9-e.25.
- Supported with v4.47.18e QLogic driver included cBlade OS, BladeFrame 3.0, and BIOS v1.34.
- PowerPath is not supported on Egnera. Egnera multi-pathing is supported on both Symmetrix and CLARiiON storage arrays.
- Driver Version 4.47.18e5.
- Firmware Version 3.01.13.
- FCCode value 1.34.

Fujitsu Solaris Fujitsu

Fujitsu – Fujitsu Solaris							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PRIMEPOWER 1500Z	PCI	Fujitsu Solaris 8 02/02 ²	Emulex LP9802-E ^{3, 4, 5}	FC-AL, FC-SW	N	See ¹
2	PRIMEPOWER: 1500, 250, 2500, 450, 900	PCI	Fujitsu Solaris: 8 02/02 ² , 9 04/03 ⁶	Emulex LP9802-E ^{3, 4, 5}	FC-AL, FC-SW	N	See ¹
3	PRIMEPOWER: 650, 850	PCI	Fujitsu Solaris: 8 850/650 ² , 9 12/02 ⁶	Emulex LP9802-E ^{3, 4, 5}	FC-AL, FC-SW	N	See ¹
4	PRIMEPOWER GP7000F: 1000, 200, 2000, 400, 600, 800	PCI	Fujitsu Solaris: 8 ² , 9 09/02 ⁶	Emulex LP9802-E ^{3, 4, 5}	FC-AL, FC-SW	N	See ¹

- For use in Asia Pacific/Japan only. Refer to Fujitsu Siemens Base Connectivity information for US/Europe.
- Fujitsu requires all patches for Solaris 8 be obtained through Fujitsu in the form of a Solaris 8 PTF patch CD. The current patch CD is Solaris 8 PTF R03111.
- Driver Version 5.02b.
- Firmware Version 1.01a2.

5. FCode value 1.40a0.
6. Fujitsu requires that all patches for Solaris 9 be obtained through Fujitsu in the form of a Solaris 9 PTF patch CD. The current patch CD is Solaris 9 PTF R03111.

Fujitsu Technology Solutions Solaris Fujitsu Technology Solutions

Fujitsu Technology Solutions – Fujitsu Technology Solutions Solaris							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PRIMEPOWER: 650, 850, GP7000F 1000, GP7000F 200, GP7000F 2000, GP7000F 400, GP7000F 600, GP7000F 800	PCI	Fujitsu Technology Solutions Solaris: 2.6 ² , 7 ⁶ , 8 ⁷ , 9 ⁸	Emulex: LP8000-EMC ^{3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4}	FC-AL, FC-SW	N	See ¹
2	PRIMEPOWER: 650, 850, GP7000F 1000, GP7000F 200, GP7000F 2000, GP7000F 400, GP7000F 600, GP7000F 800	PCI	Fujitsu Technology Solutions Solaris: 8 ⁷ , 9 ⁸	Emulex LP9802-E	FC-AL, FC-SW	N	See ¹
3	PRIMEPOWER: 1500, 250, 2500, 450, 650, 850, 900, GP7000F 1000, GP7000F 200, GP7000F 2000, GP7000F 400, GP7000F 600, GP7000F 800	PCI	Fujitsu Technology Solutions Solaris: 8 ⁷ , 9 ⁸	Emulex: LP10000-E ^{3, 9, 10} , LP10000DC-E ^{3, 9, 10}	FC-AL, FC-SW	Y	See ¹
4	PRIMEPOWER: 1500, 250, 2500, 450, 900	PCI	Fujitsu Technology Solutions Solaris: 8 ⁷ , 9 ⁸	Emulex: LP9002-E (LP9002L-E) ^{3, 4} , LP9802-E	FC-AL, FC-SW	N	See ¹

1. For sales in the USA and Canada only.
2. EMC required Solaris patches for Fujitsu PCI Bus servers running Solaris 2.6 (must be obtained from Fujitsu): 105181-33: SunOS 5.6:kernel update patch. 105356-19: SunOS 5.6: /kernel/drv/ssd and /kernel/drv/sd patch. 105580-19: SunOS 5.6: /kernel/drv/glm patch.
3. Driver Version 5.02b.
4. Firmware Version 3.91a3.
5. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
6. Fujitsu requires all patches for Solaris 7 be obtained through Fujitsu in the form of a Solaris 7 PTF patch CD. The current patch CD is Solaris 7 PTF R03111.
7. Fujitsu requires all patches for Solaris 8 be obtained through Fujitsu in the form of a Solaris 8 PTF patch CD. The current patch CD is Solaris 8 PTF R03111.
8. Fujitsu requires that all patches for Solaris 9 be obtained through Fujitsu in the form of a Solaris 9 PTF patch CD. The current patch CD is Solaris 9 PTF R03111.
9. Firmware Version 1.80a2.
10. FCode value 1.40a0.

HPQ HP-UX HPQ

HPQ – HPQ HP-UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	HP 9000 K460	HSC	HPQ HP-UX 11.0 ACE ^{2, 3, 37}	HPQ A3404A	FC-AL	Y	
2	HP 9000 K460	HSC	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ A3404A	FC-AL	N	See ^{18, 37, 42, 45}
3	HP 9000: K220, K250, K260, K360, K370, K380, K420, K450, K570, K580	HSC	HPQ HP-UX: 11.0 ACE ^{2, 3} , 11i v1.0 (HP-UX 11.11) Sept 2001 ²	HPQ A3404A	FC-AL	Y	
4	HP 9000: R380, R390 ^{16, 17}	HSC	HPQ HP-UX: 11.0 ACE ^{2, 3} , 11i v1.0 (HP-UX 11.11) Sept 2001 ²	HPQ A3591B	FC-AL	Y	
5	HP 9000 D290 ^{16, 17}	HSC	HPQ HP-UX: 11.0 ACE ^{2, 3} , 11i v1.0 (HP-UX 11.11) ²	HPQ A3591B	FC-AL	N	
6	HP 9000: D270, D280, D370, D380, D390 ¹⁶	HSC	HPQ HP-UX: 11.0 ^{2, 3} , 11i v1.0 (HP-UX 11.11) ²	HPQ: A3591A, A3591B	FC-AL	N	
7	HP 9000 rp5405 ⁸	PCI	HPQ HP-UX 11.0 ^{1, 2}	HPQ A3740A	FC-AL	N	
8	HP 9000 rp5470 (L3000) ^{7, 29, 30}	PCI	HPQ HP-UX 11.0 ^{1, 2} , 3	HPQ A3740A	FC-AL	Y ⁶²	
9	HP 9000 rp7400 ^{12, 13}	PCI	HPQ HP-UX 11.0 ^{1, 2} , 3	HPQ A3740A	FC-AL	Y ¹¹	
10	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP-UX 11.0 ^{1, 2} , 3	HPQ A3740A ³¹	FC-AL	N	
11	HP 9000 N-Class (N4000) ^{12, 36}	PCI	HPQ HP-UX 11.0 ^{2, 3}	HPQ A3740A	FC-AL	Y ¹¹	
12	HP 9000: V2500, V2600	PCI	HPQ HP-UX 11.0 ^{2, 3}	HPQ A3740A	FC-AL	Y ^{1, 11}	
13	HP 9000: rp5400 (L1000) ⁶³ , rp5450 (L2000) ⁶³	PCI	HPQ HP-UX 11.0 ^{2, 3} , 37	HPQ A3740A	FC-AL	Y ^{1, 11}	
14	HP 9000: N-Class (N4000) ^{12, 36} , V2500, V2600, rp5400 (L1000) ⁶³ , rp5450 (L2000) ⁶³	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ A3740A	FC-AL	N	
15	HP 9000: V2200, V2250	PCI	HPQ HP-UX: 11.0 ^{2, 3} , 11i v1.0 (HP-UX 11.11) ²	HPQ A3740A	FC-AL	N	
16	HP 9000 K460	HSC	HPQ HP-UX 11.0 Dec 2001 ^{2, 3}	HPQ A6685A ^{9, 34}	FC-AL, FC-SW	Y ^{34, 44}	
17	HP 9000: K370, K380, K570 ⁴¹ , K580 ⁴¹	HSC	HPQ HP-UX 11.0 Dec 2001 ^{2, 3, 37}	HPQ A6685A ^{5, 6, 9, 14, 40}	FC-AL, FC-SW	Y	
18	HP 9000: K260, K360	HSC	HPQ HP-UX 11.0 Dec 2001 ^{2, 3, 37}	HPQ A6685A ^{5, 9, 14, 34, 40}	FC-AL, FC-SW	Y	
19	HP 9000: D270, D280, D370, D380	HSC	HPQ HP-UX 11.0 ^{2, 3}	HPQ A6684A ⁹	FC-AL, FC-SW	N	
20	HP 9000 R380	HSC	HPQ HP-UX 11.0 ^{2, 3}	HPQ A6684A ^{9, 14, 34}	FC-AL, FC-SW	N	
21	HP 9000 R390 ^{16, 17}	HSC	HPQ HP-UX 11.0 ^{2, 3}	HPQ A6684A ^{9, 14, 34}	FC-AL, FC-SW	Y ³⁴	
22	HP 9000: K220, K250, K420, K450	HSC	HPQ HP-UX 11.0 ^{2, 3}	HPQ A6685A ^{9, 14, 15}	FC-AL, FC-SW	N	

HPQ – HPQ HP–UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
23	HP 9000 D390 ¹⁶	HSC	HPQ HP–UX 11.0 ^{2, 3, 16}	HPQ A6684A ⁹	FC–AL, FC–SW	Y ^{1, 35, 38}	
24	HP 9000: K220, K250, K420, K450	HSC	HPQ HP–UX 11i v1.0 (HP–UX 11.11) June 2001 ²	HPQ A6685A ^{5, 6, 14, 32, 33}	FC–AL, FC–SW	N	
25	HP 9000 K460 ³⁹	HSC	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ²	HPQ A6685A ³³	FC–AL, FC–SW	Y	
26	HP 9000: K260, K360, K370, K380, K570, K580	HSC	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ²	HPQ A6685A ^{5, 6, 14, 33, 40, 41, 42, 43}	FC–AL, FC–SW	Y ^{38, 39}	
27	HP 9000 R380	HSC	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ A6684A ^{14, 33}	FC–AL, FC–SW	N	
28	HP 9000 R390 ^{16, 17}	HSC	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ A6684A ^{14, 33}	FC–AL, FC–SW	Y ³⁵	
29	HP 9000 D390 ^{16, 35}	HSC	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ A6684A ³³	FC–AL, FC–SW	Y	
30	HP 9000: D270, D280, D370, D380	HSC	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ A6684A ³³	FC–AL, FC–SW	N	
31	HP 9000 rp5430 (L1500) ⁸	PCI	HPQ HP–UX 11.0 ACE ^{2, 3}	HPQ A6795A ^{9, 19, 21, 22, 23, 27, 28}	FC–AL, FC–SW	N	See ^{4, 5, 8, 18, 19, 20, 21, 22, 23, 24, 25, 26}
32	HP 9000 rp5430	PCI	HPQ HP–UX 11.0 ACE ^{2, 3}	HPQ: A5158A ⁹ , A6795A ^{9, 27}	FC–AL, FC–SW	Y	
33	HP 9000 rp2405	PCI	HPQ HP–UX 11.0 March 2002 ²	HPQ A5158A ⁹	FC–AL, FC–SW	N	
34	HP 9000 rp2470	PCI	HPQ HP–UX 11.0 March 2002 ²	HPQ A6795A ^{9, 27}	FC–AL, FC–SW	Y	
35	HP 9000 rp2405	PCI	HPQ HP–UX 11.0 March 2002 ²	HPQ A6795A ^{9, 27, 50}	FC–AL, FC–SW	Y	
36	HP 9000 rp2430	PCI	HPQ HP–UX 11.0 March 2002 ²	HPQ: A5158A ⁹ , A6795A ^{9, 27}	FC–AL, FC–SW	N	
37	HP 9000 rp7400 ^{12, 13}	PCI	HPQ HP–UX 11.0 ^{1, 2, 3}	HPQ A5158A ^{4, 5, 6, 9}	FC–AL, FC–SW	Y	
38	HP 9000 rp5430 (L1500)	PCI	HPQ HP–UX 11.0 ^{1, 2, 3}	HPQ A5158A ^{4, 5, 9, 47}	FC–AL, FC–SW	Y ^{38, 61, 64}	
39	HP 9000 rp5430 (L1500)	PCI	HPQ HP–UX 11.0 ^{1, 2, 3}	HPQ A6795A ^{9, 21, 22, 27}	FC–AL, FC–SW	Y ^{38, 48, 49, 50, 64}	
40	HP 9000 rp5430	PCI	HPQ HP–UX 11.0 ^{1, 2, 3}	HPQ: A5158A ^{4, 5, 9, 47} , A6795A ^{9, 21, 22, 27}	FC–AL, FC–SW	Y	
41	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP–UX 11.0 ^{2, 3}	HPQ A5158A ⁹	FC–AL, FC–SW	Y ^{1, 38, 47, 61}	See ^{5, 18, 20, 21, 22, 23, 24, 25, 37, 56, 59}
42	HP 9000 rp2470	PCI	HPQ HP–UX 11.0 ^{2, 3}	HPQ A6795A ^{9, 19, 21, 22, 27, 72}	FC–AL, FC–SW	Y	
43	HP 9000 rp2405	PCI	HPQ HP–UX 11.0 ^{2, 3}	HPQ A6795A ^{9, 21, 22, 27, 50}	FC–AL, FC–SW	Y	
44	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP–UX 11.0 ^{2, 3}	HPQ A6795A ^{9, 27}	FC–AL, FC–SW	Y ^{1, 38, 48, 49, 50, 60}	See ^{5, 18, 20, 21, 22, 23, 24, 25, 37, 56, 59}
45	HP 9000 N–Class (N4000) ^{12, 36}	PCI	HPQ HP–UX 11.0 ^{2, 3}	HPQ: A5158A ^{6, 9} , A6795A ^{9, 27, 48, 49, 50}	FC–AL, FC–SW	Y	
46	HP 9000: V2200, V2250	PCI	HPQ HP–UX 11.0 ^{2, 3, 37}	HPQ A5158A ^{4, 5, 6, 9}	FC–AL, FC–SW	N	
47	HP 9000: V2500, V2600	PCI	HPQ HP–UX 11.0 ^{2, 3, 37}	HPQ A5158A ^{4, 5, 6, 9}	FC–AL, FC–SW	Y	
48	HP 9000 SUPERDOME ^{55, 56}	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Dec 2001 ²	HPQ A5158A ^{33, 52}	FC–AL, FC–SW	Y	
49	HP 9000 SUPERDOME ^{55, 56}	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Dec 2001 ²	HPQ A6795A ^{19, 23, 27, 33, 46, 57, 58}	FC–AL, FC–SW	Y ⁵⁴	
50	HP 9000 rp2405	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ²	HPQ A6795A ^{19, 21, 22, 23, 27, 28, 33, 71}	FC–AL, FC–SW	Y	
51	HP 9000 rp7405	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ²	HPQ A6795A ^{27, 33, 46}	FC–AL, FC–SW	Y	See ^{18, 19, 21, 22, 23, 24, 25, 74}
52	HP 9000 rp7410	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ²	HPQ A6795A ^{27, 33, 46}	FC–AL, FC–SW	Y	
53	HP 9000 rp2470	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ²	HPQ: A5158A ^{4, 5, 6, 33} , A6795A ^{19, 21, 22, 27, 28, 33, 71}	FC–AL, FC–SW	Y	
54	HP 9000 rp5430 (L1500) ³⁰	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ A5158A ^{4, 5, 33}	FC–AL, FC–SW	Y ^{38, 47, 61, 64}	See ^{4, 5, 8, 18, 19, 20, 21, 22, 23, 24, 25, 26}
55	HP 9000: V2200, V2250	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ A5158A ^{4, 5, 6, 33}	FC–AL, FC–SW	N	
56	HP 9000: V2500, V2600	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ A5158A ^{4, 5, 6, 33}	FC–AL, FC–SW	Y ^{11, 38}	
57	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ A5158A ³³	FC–AL, FC–SW	Y ^{38, 47, 61}	See ^{5, 18, 20, 21, 22, 23, 24, 25, 37, 56, 59}
58	HP 9000: rp7405, rp7410	PCI	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ A6795A ^{19, 21, 23, 27, 33, 46, 58, 73}	FC–AL, FC–SW	Y	

HPQ – HPQ HP-UX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
59	HP 9000 rp5430 (L1500) ³⁰	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ A6795A ^{19, 23, 27, 33, 46}	FC-AL, FC-SW	Y ^{38, 48, 49, 50, 64}	See ^{4, 5, 8, 18, 19, 20, 21, 22, 23, 24, 25, 26}
60	HP 9000: rp2400 (A400/440MHz), rp2450 (A500/440MHz), rp2450 (A500/550MHz)	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ A6795A ^{27, 33}	FC-AL, FC-SW	Y ^{38, 48, 49, 50, 60}	See ^{5, 18, 20, 21, 22, 23, 24, 25, 37, 56, 59}
61	HP 9000 rp2430	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ: A5158A ³³ , A6795A ^{27, 33}	FC-AL, FC-SW	N	
62	HP 9000 rp5430	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ: A5158A ³³ , A6795A ^{27, 33}	FC-AL, FC-SW	N	See ^{4, 5, 8, 18, 19, 20, 21, 22, 23, 24, 25, 26}
63	HP 9000: rp2405, rp2470	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ: A5158A ³³ , A6795A ^{27, 33}	FC-AL, FC-SW	Y	
64	HP 9000 N-Class (N4000) ^{12, 36}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ: A5158A ^{6, 33} , A6795A ^{27, 33, 48, 49, 50}	FC-AL, FC-SW	Y	
65	HP 9000: rp7405, rp7410	PCI	HPQ HP-UX 11i v1.0 (HP-UX: 11.11) March 2002 ² , 11.11) ²	HPQ A5158A ^{4, 33}	FC-AL, FC-SW	Y	
66	HP 9000 rp2470	PCI	HPQ HP-UX: 11.0 March 2002 ² , 11.0 ² , 3	HPQ A5158A ⁹	FC-AL, FC-SW	Y	
67	Integrity RX4640	PCI-X	HPQ HP-UX 11i v2.0 (HP-UX 11.23) Sept 2003 ^{78, 83}	HPQ A6795A ^{27, 82}	FC-AL, FC-SW	Y	See ⁸¹
68	Integrity: Superdome, rx8620	PCI-X	HPQ HP-UX 11i v2.0 (HP-UX 11.23) Sept 2003 ⁸³	HPQ A6795A ²⁷	FC-AL, FC-SW	Y	
69	Integrity RX2600 (Itanium2)	PCI-X	HPQ HP-UX 11i v2.0 (HP-UX 11.23) ⁷⁸	HPQ: A6795A ²⁷ , AB232A (LP9802) ^{79, 80}	FC-AL, FC-SW	N	
70	Integrity RX7620	PCI-X	HPQ HP-UX 11i v2.0 (HP-UX: 11.23) Sept 2003 ^{78, 11.23} ⁷⁸	HPQ: A6795A ²⁷ , AB232A (LP9802) ^{79, 80}	FC-AL, FC-SW	N	
71	Integrity RX5670 (Itanium2)	PCI, PCI-X	HPQ HP-UX 11i v2.0 (HP-UX 11.23) ^{78, 83}	HPQ A6795A ^{27, 82}	FC-AL, FC-SW	Y	
72	HP 9000 rp5405 ⁸	PCI	HPQ HP-UX 11.0 ACE ^{1, 2}	HPQ A6795A ^{9, 19, 21, 22, 27, 46}	FC-AL, FC-SW ¹⁰	N	
73	HP 9000 rp5430 (L1500) ⁸	PCI	HPQ HP-UX 11.0 ACE ^{2, 3}	HPQ A5158A ^{4, 5, 6, 9}	FC-AL, FC-SW ¹⁰	N	See ^{4, 5, 8, 18, 19, 20, 21, 22, 23, 24, 25, 26}
74	HP 9000 rp7400 ⁸	PCI	HPQ HP-UX 11.0 Dec 2001 ^{1, 2, 47}	HPQ A6795A ^{9, 19, 21, 22, 27, 46}	FC-AL, FC-SW ¹⁰	Y	
75	HP 9000 rp5470 (L3000) ^{8, 30}	PCI	HPQ HP-UX 11.0 Dec 2001 ^{2, 3}	HPQ A6795A ^{9, 19, 21, 22, 27, 28, 29}	FC-AL, FC-SW ¹⁰	Y	
76	HP 9000: rp5400 (L1000) ⁶³ , rp5450 (L2000) ⁶³	PCI	HPQ HP-UX 11.0 Dec 2001 ^{2, 3, 37}	HPQ A6795A ^{9, 19, 21, 22, 23, 27, 46}	FC-AL, FC-SW ¹⁰	Y ^{1, 38, 48, 49, 50}	
77	HP 9000 rp5405 ^{7, 8}	PCI	HPQ HP-UX 11.0 ^{1, 2, 3}	HPQ A5158A ^{4, 5, 6, 9}	FC-AL, FC-SW ¹⁰	N	
78	HP 9000 rp5470 (L3000) ^{7, 29, 30}	PCI	HPQ HP-UX 11.0 ^{1, 2, 3}	HPQ A5158A ^{4, 5, 6, 9}	FC-AL, FC-SW ¹⁰	Y	
79	HP 9000: rp5400 (L1000) ⁶³ , rp5450 (L2000) ⁶³	PCI	HPQ HP-UX 11.0 ^{2, 3, 37}	HPQ A5158A ^{4, 5, 6, 9}	FC-AL, FC-SW ¹⁰	Y ^{1, 11, 38, 47}	
80	HP 9000 rp5400 (L1000) ⁶³	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 ²	HPQ A6795A ^{19, 21, 22, 23, 27, 33, 46}	FC-AL, FC-SW ¹⁰	Y ⁵⁰	
81	HP 9000 rp5450 (L2000) ⁶³	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 ²	HPQ A6795A ^{19, 21, 22, 23, 27, 33, 46}	FC-AL, FC-SW ¹⁰	Y ^{38, 48, 49, 50}	
82	HP 9000 rp5470 (L3000) ^{7, 29, 30}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 ²	HPQ A6795A ^{19, 21, 22, 23, 27, 33, 46}	FC-AL, FC-SW ¹⁰	Y ^{38, 48, 49, 50, 62}	
83	HP 9000 rp7400 ^{8, 51}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 ^{2, 52}	HPQ A6795A ^{19, 21, 22, 23, 27, 33, 46}	FC-AL, FC-SW ¹⁰	Y ^{38, 48, 49, 50}	
84	HP 9000 rp8400	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2002 ²	HPQ: A5158A ^{4, 33, 75, 77} , A6795A ^{19, 21, 22, 23, 27, 33, 46, 75, 76}	FC-AL, FC-SW ¹⁰	Y	
85	HP 9000 rp5400 (L1000) ⁶³	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ A5158A ^{4, 5, 6, 33}	FC-AL, FC-SW ¹⁰	Y	
86	HP 9000 rp5450 (L2000) ⁶³	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ A5158A ^{4, 5, 6, 33}	FC-AL, FC-SW ¹⁰	Y ^{11, 38, 47}	
87	HP 9000 rp5470 (L3000) ^{7, 29, 30}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ A5158A ^{5, 6, 33}	FC-AL, FC-SW ¹⁰	Y ^{38, 50, 62}	
88	HP 9000 rp5405 ^{7, 8}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ: A5158A ^{5, 6, 33} , A6795A ^{19, 21, 22, 23, 27, 33, 46}	FC-AL, FC-SW ¹⁰	N	
89	HP 9000 rp7400 ^{8, 51}	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{2, 52}	HPQ A5158A ^{4, 5, 33, 53}	FC-AL, FC-SW ¹⁰	Y ^{11, 38, 50}	
90	HP 9000: N-Class (N4000), SUPERDOME, rp2400 (A400/440MHz), rp2405, rp2430, rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp2470, rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ³⁰ , rp7400, rp7405, rp7410, rp8400	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ A6826A ^{66, 67, 68, 70}	FC-AL ⁵⁹ , FC-SW	N	See ⁶⁵
91	HP 9000: SUPERDOME, rp2400 (A400/440MHz), rp2405, rp2430, rp2450 (A500/550MHz), rp2470, rp5400 (L1000), rp5405, rp5430 (L1500), rp5450 (L2000), rp5470 (L3000) ³⁰ , rp7400, rp7410	PCI	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ²	HPQ A9782A ^{66, 67, 68, 70}	Fibre	Y	

1. See Technical Bulletin T010820 for supported patch levels.
 2. For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
 3. With HP-UX 11.0, a failed-over LUN is not automatically restored to its parent SP following LCC removal and replacement on an FC4702 array. After the LCC has powered back up, the LUN can be restored by deactivating and activating the associated volume group using the command 'vgchange -a'. During other types of failover (disabling/reenabling SP ports on switch,

- etc.), the LUN "is" automatically restored.
4. HP A5158A FC-SW software requirement: FC-AL and FC-SW requires the HP A5158A Tachlite PCI Fibre Channel Adapter. The A5158A FC-SW software fabric driver version "AP0301", for HP-UX 11i is now available for download from HP's software depot site, <http://www.software.hp.com> under "drivers". It is referred to as the "hp pci tachyon tl fibre channel adapter", and requires the installation of dependent patch PHKL_22874 prior to installing the fabric driver, patches may be superceded or have co-dependencies as defined by HP.
 5. FC-AL, FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
 6. HP-UX 11.00 minimum driver revision B.11.00.06.
HP-UX 11i minimum driver revision B.11.11.06.
HP-UX 10.20 minimum driver revision B.10.20.01.
 7. L-Class requires minimum PDC firmware 40.26 or higher.
 8. rp5405, rp5430, rp5470, rp7400: (PA-8700 processors): Initial support with HP-UX 11.0 Sept 2001, 11i Sept 2001.
 9. Driver Version 11.00.10.
 10. Switched fabric (FC-SW) first supported on FC4500, requires Core Software 6.32.05 or higher, Navisphere Agent 4.3 or higher, and Access Logix enabled (data access control enabled).
 11. QuickLoop only or direct attach only.
 12. Virtual Partitions (VPAR) is supported on the N-class/rp7400 server.
VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later.
Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 42.06 or later. Powerpath support on Virtual Partitions has to be RPQed at this time.
Requires PDC firmware rp7400 (PA-8700) requires PDC firmware 41.36.
 13. Required dependent FCMS patches are required (patches may be superceded or have co-dependencies as defined by HP): HP-UX 11.0, PHKL_21834 HP-UX 11i: PHKL_23626. NOTE: These patches must be installed before installing the driver, available at <http://us-support2.external.hp.com>, HSC Tachlite driver available at <http://www.software.hp.com>, under "drivers" and locate Fibre Channel HSC Tachlite adapter (A6684A or A6685A). For HP-UX 11i, the driver is under "hp tachyon tl fibre channel adapter" which enables support for A6684A/A6685A/A5158A.
 15. Qualified with only CX600, CX400, FC4500 and FC4700 with the switches listed in connectivity section, fabric or QuickLoop.
 16. Dx90, Rx90 servers support a maximum of 2 A6684A HBAs. The first must be installed in the turbo slot 10/12 and the second in any HSC slot.
 17. Dx90, Rx90 require minimum PDC firmware 41.35 or higher.
 18. For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC Symmetrix devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: `lvchange -r N /dev/vg01/lvol1` or `lvcreate -r N /dev/vg01`. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set. No additional patches are required for this option in HP-UX 11.0, HP-UX 11.11 and forward, however in HP-UX 10.x the "N" flag option was introduced with the following patches are required to be installed or patches which supercede or replace these in order to configure the logical volumes residing on Symmetrix devices in this manner: For all HP/UX 10.xx versions install the following Bad Block Reallocation Patch Pair: 10.01: PHKL_11294, PHKL_11890, PHCO_11288 (patches may be superceded or have co-dependencies as defined by HP). 10.10: PHKL_11816, PHCO_11817 (patches may be superceded or have co-dependencies as defined by HP). 10.20: PHKL_11086, PHKL_11903, PHCO_10964 (patches may be superceded or have co-dependencies as defined by HP).
 19. Minimum driver version for SNIA HBA API support with HP-UX 11.0 is B.11.00.10. Minimum driver version for SNIA HBA API support with HP-UX 11.11 is B.11.11.09.
 20. For HP/UX 11.00 minimum driver revision B.11.00.06.
For HP/UX 11i minimum driver revision B.11.11.06.
 21. HP-UX 11.0 ACE required patch: PHKL_23939
HP-UX 11i required patch: PHKL_23626
NOTE: These patches must be installed before installing the driver.
 22. Supported with CX600, CX400, FC4700. FC4700-2 supports 1 and 2 Gb modes. Restrictions apply in boot environments.
 23. Supported with HP-UX 11i (64-bit only). FC4700-2 minimum code level 8.44.x1.
 24. QuickLoop support: HP A5223A/AZ, HP A5224A/AZ using parameters outlined in Table 112 on page 293.
The A6795A HBA is capable of supporting both 1 and 2 Gb speeds.
QuickLoop is not supported with Brocade 3200/3800/12000, DS-16B2 or ED-12000B.
Auto-sensing capability on the HBA is permanently enabled. There is no option to disable auto-sensing on the HBA.
 25. FC-AL, FC-SW
 26. PDC 40.26 or later
 27. As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)
L2000 (product number A5191A)
N4000 Revision A (product number A3639A)
N4000 Revision B (product number A3639B)
 28. 1Gbit Quickloop supported beginning at firmware release v3.0.2h, all switch ports participating in the Quickloop must be set to 1 Gbit speed.
 29. Virtual Partitions (VPAR) is supported on the L-class/rp5470 server.
VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later.
Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 41.02 or later.
 30. PA-8700 processors: Initial support with HP-UX 11.0 Sept 2001, HP-UX 11i Sept 2001.
 31. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
 32. Qualified with only CX600, CX400, FC4500 and FC4700 with the switches listed connectivity table, fabric or QuickLoop.
 33. Driver Version 11.11.09.
 34. HP-UX 11.0 minimum driver revision B.11.00.06. HP-UX 11i minimum driver revision B.11.11.06.
 35. Requires minimum PDC firmware 42.10.
 36. N-Class: Arbitrated loop boot with PDC rev 40.04 or higher. Fabric boot with PDC rev 40.25 or higher.
 37. See Technical Bulletin T010820 for LVM supported patch levels.
 38. The Brocade (Brocade, EMC, or HP models) switch port the HBA involved in a FC-SW topology boot process or FC-SW topology dump process is attached to, is required to be locked as G port when the boot or dump volume resides on the Symmetrix. This can be accomplished by executing the "portCfgGport port_number,1" command from a telnet session on the Brocade switch. The boot device can not be located more than two hops from the initiator involved in the boot process.
 39. Requires minimum PDC firmware 41.33.
 40. Qualified with only CX600, CX400, FC4500 and FC4700 with the switches listed in connectivity table, fabric or QuickLoop.
 41. The A6685A is not supported in slots 10/0 and 10/8 of the K570 and K580. In the K570 and K580, there are restrictions for the number of A6685A HBA cards supported when graphics cards are installed.
 42. For HP/UX 10.20 Driver J3630BA is required for A3404A, A3591A/B, A3740A, A6684A and A6685A adapters.
 43. HP-UX 10.20 requires patches (patches may be superceded or have co-dependencies as defined by HP):
PHKL_16751, PHKL_17590, PHSS_23581
NOTE: These patches must be installed before installing the driver, available at <http://us-support2.external.hp.com>. HSC Tachlite driver available at <http://www.software.hp.com>, under "drivers" and locate Fibre Channel HSC Tachlite adapter (A6684A or A6685A).
Depending on the patch level of the system, the following patches may be required:
PHKL_16957PHKL_21595PHCO_16591PHSS_20999
PHKL_17858PHKL_21661PHCO_18563PHNE_19936
PHKL_20611PHKL_23419PHCO_21186
Installation instructions available at:
http://www.software.hp.com/cgi-bin/swdepot_parser.cgi/cgi/displayProductInfo.pl?productNumber=A6685A&oper=install
Symm 6 is qualified with: HP-UX 11.00 Support Plus Sept '02 bundle = QPK1100 Sept '02 & HWXE1100 Sept '02
 44. Symm 6 is qualified with: HP-UX 11.00 Support Plus Sept '02 bundle = QPK1100 Sept '02 & HWXE1100 Sept '02
 45. FC-AL
 46. QuickLoop support: HP A5223A/AZ, HP A5224A/AZ using parameters outlined in connectivity table.
The A6795A HBA is capable of supporting both 1 and 2 Gb speeds.
QuickLoop is not supported with Brocade 3900/12000, or ED-12000B.
Auto-sensing capability on the HBA is permanently enabled. There is no option to disable auto-sensing on the HBA.

All switch ports participating in the Quickloop must be set to 1 Gbit speed.
 47. For HP/UX 11.00, minimum driver revision B.11.00.06.
 48. FC-AL direct attach 2-Gbit boot using A6795A is not supported.
 49. FC-SW 2-Gbit boot and/or dump using A6795A requires Auto-Negotiation flag to be enabled on the switch port the HBA is attached to.
 50. FC-AL direct attach boot support only at 1 Gb. Requires the boot device port to be configured for 1 Gb operation.
 51. Boot initialization negotiation at 1 Gb mode for Brocade switches.
FC-SW - HBA port on the switch must be locked as a "G" port and locked in auto-negotiation mode.
 52. Virtual Partitions (VPAR) is supported on the N-class/rp7400 server.
VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later.
Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 42.06 or later.
 53. HP-UX 11.00 minimum driver revision B.11.00.06.
HP-UX 11i minimum driver revision B.11.11.06.
 54. Requires minimum PDC firmware 35.4 and PDHC 7.8 or higher
 55. Requires minimum PDC firmware 32.2 and PDHC 7.3 or higher
 56. Qualified on FC4500 and later. Requires Access Logix 6.32.11 (FC4500) or 8.42.5x (FC4700) or higher with data access control enabled and Navisphere Agent 5.2 or higher.
 57. HP-UX required patches: HP-UX 11.0 ACE: PHKL_23939, HP-UX 11i: PHKL_23626

- 58. Supported with CX600, CX400, FC4500 and FC4700. FC4700-2 supports both 1GB and 2GB modes. Restrictions apply in a boot environment.
- 59. HP A5158A FC-SW software requirements: FC-AL and FC-SW requires the HP A5158A Tachlite PCI Fibre Channel Adapter. The A5158A FCSW software fabric driver version "AP0301", for HP-UX 11i is now available for download from HP's software depot site, <http://www.software.hp.com> under "drivers". It is referred to as the "hp pci tachyon tl fibre channel adapter", and requires the installation of dependent patch PHKL_22874 prior to installing the fabric driver, patches may be superceded or have co-dependencies as defined by HP.
- 60. Requires minimum PDC firmware 42.09.
- 61. Fabric SAN boot supported.
- 62. Excludes the rp5470 (PA-8700).
- 63. PDC firmware 41.39 or higher; Arbitrated Loop (direct attach) or FC-SW
- 64. Requires minimum PDC firmware 42.06.
- 65. minimum firmware revisions –
CX600 – 02.05.1.60.5.xxx
CX400 – 02.05.1.40.5.xxx
- 66. Required Patch PHKL_28569, PHKL_26938 and 2port 2Gig driver version 11.11.01.
- 67. Host must be configured as a 64Bit operating system.
- 68. Firmware Version 3.02.162.
- 69. FC-AL supported with direct connect only
- 70. Driver Version 11.11.01.
- 71. QuickLoop support: HP A5223A/AZ, HP A5224A/AZ using parameters outlined in connectivity table.
The A6795A HBA is capable of supporting both 1 and 2 Gb speeds.
QuickLoop is not supported with Brocade 3900/12000, or ED-12000B.
Auto-sensing capability on the HBA is permanently enabled. There is no option to disable auto-sensing on the HBA.
- 72. QuickLoop support: HP A5223A/AZ, HP A5224A/AZ using parameters outlined in connectivity table.
The A6795A HBA is capable of supporting both 1 and 2 Gb speeds.
QuickLoop is not supported with Brocade 3200/3800/12000, DS-16B2 or ED-12000B.
Auto-sensing capability on the HBA is permanently enabled. There is no option to disable auto-sensing on the HBA.
- 73. HP-UX driver requirements: HP-UX 11.0 : A6684A/A6685A/A5158A/A6795A HP PCI Tachyon TL/XL2 Fibre Channel driver B.11.00.10 or later release which supports this HBA.
- 74. PDC firmware 15.5 or later
- 75. Virtual Partitions (VPAR) is supported on the rp8400 server with the Clariion CX600 and FC4700.
FC-AL only support, Requires PDC 16.009 or later. Fabric boot with PDC 16.12 or later

VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later.
Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later.
- 76. 1GBit Quickloop supported beginning at firmware release v3.0.3h, all switch ports participating in the Quickloop must be set to 1 GBit speed.
- 77. Virtual Partitions (VPAR) is supported on the rp8400 server with the Clariion CX600 and FC4700.
FC-AL only support, Requires PDC 16.009 or later. Fabric boot with PDC 16.12 or later

VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later.
Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later
- 78. HP-UX 11i v2.0 (HP-UX 11.23) is a IA-64 release and only runs on the HP Integrity rx family server.
- 79. Firmware Version 1.01a2.
- 80. Driver Version 1.01a9. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- 81. **The A6795A EFI driver must be upgraded to version 1.09 to support boot.**
- 82. **Driver Version 11.23.01**
- 83. **Minimum microcode revision level 5670.23.25. 5568 and 5669 are on a RPQ basis at this time.**

HPQ Tru64 UNIX
HPQ

HPQ – HPQ Tru64 UNIX						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	AlphaServer: 1200 ⁶ , 4000 ⁶ , 4100 ⁶ , 8200 ⁶ , 8400 ⁶ , DS10, DS10L, DS20, DS20E, ES40, GS140 ⁶ , GS60 ⁶	PCI	HPQ Tru64 UNIX: V5.0A, V5.1, V5.1A, V5.1B-1, V5.1B ¹	HPQ: KGPSA-BC (380574-001) ⁵ , KGPSA-CA (168794-B21) ⁴	FC-SW	Y
2	AlphaServer: GS160, GS320, GS80	PCI	HPQ Tru64 UNIX: V5.1, V5.1A, V5.1B-1, V5.1B ¹	HPQ: FCA2354 (LP9002) ^{2,4} , KGPSA-CA (168794-B21) ⁴ , KGPSA-DA (261329-B21) ⁴	FC-SW	Y
3	AlphaServer: DS10, DS10L, DS20, DS20E, ES40	PCI	HPQ Tru64 UNIX: V5.1, V5.1A, V5.1B-1, V5.1B ¹	HPQ: FCA2354 (LP9002) ^{2,4} , KGPSA-DA (261329-B21) ⁴	FC-SW	Y
4	AlphaServer: DS10, DS20E, ES40, GS160, GS320, GS80	PCI	HPQ Tru64 UNIX: V5.1A, V5.1B-1, V5.1B ¹	HPQ FCA2384 (LP9802) ⁹	FC-SW	Y
5	AlphaServer DS20L	PCI	HPQ Tru64 UNIX: V5.1A, V5.1B-1, V5.1B ¹	HPQ KGPSA-CA (168794-B21) ⁴	FC-SW	Y
6	AlphaServer: DS25 ⁸ , ES45 ⁷	PCI	HPQ Tru64 UNIX: V5.1A, V5.1B-1, V5.1B ¹	HPQ: FCA2354 (LP9002) ^{2,4} , FCA2384 (LP9802) ⁹ , KGPSA-CA (168794-B21) ⁴ , KGPSA-DA (261329-B21) ⁴	FC-SW	Y
7	AlphaServer: ES47 ³ , ES80 ³ , GS1280 ³	PCI	HPQ Tru64 UNIX: V5.1B-1, V5.1B ¹	HPQ: FCA2354 (LP9002) ^{2,4} , FCA2384 (LP9802) ⁹ , KGPSA-DA (261329-B21) ⁴	FC-SW	Y

- 1. **Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).**
- 2. Identical to KGPSA-DA.
- 3. AlphaServer GS1280,ES80,ES47: Minimum Tru64 V5.1B with Patch Kit 1 (T64V51BB1AS0001-20021229)
- 4. Firmware Version 3.91A1.
- 5. Firmware Version 3.20X7.
- 6. KGPSA-BC/KGPSA-CA supported ONLY.
- 7. Tru64 UNIX V5.1A minimum requirement for ES45.
- 8. Tru64 UNIX V5.1A minimum requirement for DS25.
- 9. Firmware Version 1.00X6.

IBM AIX
IBM

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	SP2 9076 +: 02 XX1 ²⁸ , 05 XX9 ²⁸	MCA	IBM AIX 5.2 ^{46, 48, 49, 50, 51}	IBM: 6227 ^{22, 52, 53} , 6228 ^{22, 46, 52, 53, 54}	FC-AL ⁶ , FC-SW ⁶	N	
2	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node	PCI	IBM AIX 4.3.3 ¹	IBM 6227 ^{3, 25, 26}	FC-AL ⁶ , FC-SW ⁶	N	
3	7015-S7A; 7017-S7A; 7025-F50	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{5, 22, 36}	FC-AL ⁶ , FC-SW ⁶	N	
4	7017-S80; p680 7017-S85	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{5, 22, 36}	FC-AL ⁶ , FC-SW ⁶	Y ^{7, 8, 9, 31, 32, 33}	

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
5	7025-F80; p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{5, 22, 36}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 13, 31, 32, 33}	
6	7025-H70; 7026-H70	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{5, 22, 36}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 14, 31, 32, 33}	
7	7026-H50	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{5, 22, 36}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 31, 32, 33, 37}	
8	7026-H80; p660: 7026-6H0, 7026-6H1	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{5, 22, 36}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 16, 31, 32, 33}	
9	7026-M80; p660 7026-6M1	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{5, 22, 36}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 15, 31, 32, 33}	
10	7044-170; 7044-270	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{5, 22, 36}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 17, 31, 32, 33}	
11	p610: 7028-6C1, 7028-6E1	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{5, 22, 36}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 19, 31, 32, 33}	
12	p640 7026-B80	PCI	IBM AIX 4.3.3 ¹	IBM 6228 ^{5, 22, 36}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 31, 32, 33, 34}	
13	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ²⁸ , 07 55X ²⁸ , 08 T70 ²⁸ ; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	PCI	IBM AIX 4.3.3 ¹	IBM: 6227 ^{3, 25, 26} , 6228 ^{5, 22, 36}	FC-AL ⁶ FC-SW ⁶	N	
14	7013-S7A	PCI	IBM AIX 4.3.3 ¹	IBM: 6227 ^{25, 26, 27} , 6228 ^{5, 22, 36}	FC-AL ⁶ FC-SW ⁶	N	
15	7013-S70; 7015-S70; 7015-S7A; 7017-S70; 7017-S7A; 7025-F50; 7043-270	PCI	IBM AIX 4.3.3 ^{1, 25}	IBM 6227 ^{3, 25, 26}	FC-AL ⁶ FC-SW ⁶	N	
16	7017-S80; p680 7017-S85	PCI	IBM AIX 4.3.3 ^{1, 25}	IBM 6227 ^{3, 25, 26}	FC-AL ⁶ FC-SW ⁶	Y ^{7, 8, 9, 31, 32, 33}	
17	7025-F80; p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 4.3.3 ^{1, 25}	IBM 6227 ^{3, 25, 26}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 13, 31, 32, 33}	
18	7025-H70; 7026-H70	PCI	IBM AIX 4.3.3 ^{1, 25}	IBM 6227 ^{3, 25, 26}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 14, 31, 32, 33}	
19	7026-H50	PCI	IBM AIX 4.3.3 ^{1, 25}	IBM 6227 ^{3, 25, 26}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 31, 32, 33, 37}	
20	7026-H80; p660: 7026-6H0, 7026-6H1	PCI	IBM AIX 4.3.3 ^{1, 25}	IBM 6227 ^{3, 25, 26}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 16, 31, 32, 33}	
21	7026-M80; p660 7026-6M1	PCI	IBM AIX 4.3.3 ^{1, 25}	IBM 6227 ^{3, 25, 26}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 15, 31, 32, 33}	
22	7044-170; 7044-270	PCI	IBM AIX 4.3.3 ^{1, 25}	IBM 6227 ^{3, 25, 26}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 17, 31, 32, 33}	
23	p640 7026-B80	PCI	IBM AIX 4.3.3 ^{1, 25}	IBM 6227 ^{3, 25, 26}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 31, 32, 33, 34}	
24	7013-S70; 7015-S70; 7017-S70; 7043-270	PCI	IBM AIX 5.1 ^{1, 2}	IBM 6227 ^{3, 26, 35}	FC-AL ⁶ FC-SW ⁶	N	
25	p610: 7028-6C1, 7028-6E1	PCI	IBM AIX 5.1 ^{1, 2}	IBM 6228 ^{3, 4, 5}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 10, 11, 12, 19}	
26	p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681, 7040-W42	PCI	IBM AIX 5.1 ^{1, 2}	IBM 6228 ^{3, 4, 5}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 10, 11, 12, 18}	
27	7013-S7A; 7015-S7A; 7017-S7A; 7025-F50	PCI	IBM AIX 5.1 ^{1, 2}	IBM: 6227 ^{3, 26, 35} , 6228 ^{3, 4, 5}	FC-AL ⁶ FC-SW ⁶	N	
28	7017-S80; p680 7017-S85	PCI	IBM AIX 5.1 ^{1, 2}	IBM: 6227 ^{3, 26, 35} , 6228 ^{3, 4, 5}	FC-AL ⁶ FC-SW ⁶	Y ^{7, 8, 9, 10, 11, 12}	
29	7025-F80; p620: 7025-6F0, 7025-6F1	PCI	IBM AIX 5.1 ^{1, 2}	IBM: 6227 ^{3, 26, 35} , 6228 ^{3, 4, 5}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 10, 11, 12, 13}	
30	7025-H70; 7026-H70	PCI	IBM AIX 5.1 ^{1, 2}	IBM: 6227 ^{3, 26, 35} , 6228 ^{3, 4, 5}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 10, 11, 12, 14}	
31	7026-H50	PCI	IBM AIX 5.1 ^{1, 2}	IBM: 6227 ^{3, 26, 35} , 6228 ^{3, 4, 5}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 10, 11, 12, 37}	
32	7026-H80; p660: 7026-6H0, 7026-6H1	PCI	IBM AIX 5.1 ^{1, 2}	IBM: 6227 ^{3, 26, 35} , 6228 ^{3, 4, 5}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 10, 11, 12, 16}	
33	7026-M80; p660 7026-6M1	PCI	IBM AIX 5.1 ^{1, 2}	IBM: 6227 ^{3, 26, 35} , 6228 ^{3, 4, 5}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 10, 11, 12, 15}	
34	7044-170; 7044-270	PCI	IBM AIX 5.1 ^{1, 2}	IBM: 6227 ^{3, 26, 35} , 6228 ^{3, 4, 5}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 10, 11, 12, 17}	
35	p640 7026-B80	PCI	IBM AIX 5.1 ^{1, 2}	IBM: 6227 ^{3, 26, 35} , 6228 ^{3, 4, 5}	FC-AL ⁶ FC-SW ⁶	Y ^{8, 9, 10, 11, 12, 34}	
36	p650 7038-6M2 ³⁴ ; p655 7039-651	PCI	IBM AIX 5.1 ^{1, 2, 12, 21, 44}	IBM 6239 ^{22, 45}	FC-AL ⁶ FC-SW ⁶	Y	See ⁸
37	p630: 7028-6C4 ¹⁸ , 7028-6E4 ¹⁸	PCI	IBM AIX 5.1 ^{1, 2, 12, 30, 44}	IBM 6239 ^{22, 45}	FC-AL ⁶ FC-SW ⁶	Y	See ⁸
38	7044-170 ¹⁷ ; 7044-270 ¹⁷ ; p610: 7028-6C1 ¹⁹ , 7028-6E1 ¹⁹ ; p620: 7025-6F0, 7025-6F1; p640 7026-B80 ³⁴ ; p660: 7026-6H0 ¹⁶ , 7026-6H1 ¹⁶ , 7026-6M1 ¹⁵ ; p670 7040-671 ¹⁸ ; p690: 7040-61D ¹⁸ , 7040-61R ¹⁸ , 7040-681 ⁴²	PCI	IBM AIX 5.1 ^{1, 2, 12, 44}	IBM 6239 ^{22, 45}	FC-AL ⁶ FC-SW ⁶	Y	See ⁸

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
39	p650 7038–6M2	PCI	IBM AIX 5.1 ^{1, 2, 21}	IBM 6228 ^{4, 5, 22}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 9, 11, 12, 20}	
40	p655 7039–651	PCI	IBM AIX 5.1 ^{1, 2, 21}	IBM 6228 ^{4, 5, 22}	FC–AL ⁶ FC–SW ⁶	N	
41	p630: 7028–6C4, 7028–6E4	PCI	IBM AIX 5.1 ^{1, 2, 30}	IBM 6228 ^{4, 5, 27}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 9, 10, 11, 12, 29}	
42	7013–S7A as SP2 node; 7015–S7A as SP2 node; 7017–S7A as SP2 node; 7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; SP2 9076 +: 06 50X ²⁸ , 07 55X ²⁸ , 08 T70 ²⁸ ; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node; p680 7017–S85 as SP2 node	PCI	IBM AIX 5.1 ^{1, 23, 24}	IBM 6228 ^{4, 5, 22}	FC–AL ⁶ FC–SW ⁶	N	
43	7013–S70 as SP2 node; 7013–S7A as SP2 node; 7015–S70 as SP2 node; 7015–S7A as SP2 node; 7017–S70 as SP2 node; 7017–S7A as SP2 node; 7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; SP2 9076 +: 06 50X ²⁸ , 07 55X ²⁸ , 08 T70 ²⁸ ; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node; p680 7017–S85 as SP2 node	PCI	IBM AIX 5.1 ^{1, 23, 35}	IBM 6227 ^{26, 27}	FC–AL ⁶ FC–SW ⁶	N	
44	7013–S70; 7015–S70; 7017–S70	PCI	IBM AIX 5.2	IBM 6227 ^{22, 26}	FC–AL ⁶ FC–SW ⁶	N	
45	7025–F80; p620: 7025–6F0, 7025–6F1	PCI	IBM AIX 5.2	IBM 6227 ^{22, 26}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 13, 40}	
46	7025–H70; 7026–H70	PCI	IBM AIX 5.2	IBM 6227 ^{22, 26}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 14, 40}	
47	7026–H50	PCI	IBM AIX 5.2	IBM 6227 ^{22, 26}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 37, 40}	
48	7026–H80; p660: 7026–6H0, 7026–6H1	PCI	IBM AIX 5.2	IBM 6227 ^{22, 26}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 16, 40}	
49	7026–M80; p660 7026–6M1	PCI	IBM AIX 5.2	IBM 6227 ^{22, 26}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 15, 40}	
50	7044–170; 7044–270	PCI	IBM AIX 5.2	IBM 6227 ^{22, 26}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 17, 40}	
51	p640 7026–B80	PCI	IBM AIX 5.2	IBM 6227 ^{22, 26}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 34, 40}	
52	p680 7017–S85	PCI	IBM AIX 5.2	IBM 6227 ^{22, 26}	FC–AL ⁶ FC–SW ⁶	γ ^{7, 8, 40}	
53	7025–F80; 7025–H70; 7026–H50; 7026–H70; 7026–H80; 7026–M80; 7044–170; 7044–270	PCI	IBM AIX 5.2	IBM 6228 ^{5, 22}	FC–AL ⁶ FC–SW ⁶	N	
54	p610: 7028–6C1, 7028–6E1	PCI	IBM AIX 5.2	IBM 6228 ^{5, 22, 38}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 19, 38, 39, 40}	
55	p620: 7025–6F0, 7025–6F1	PCI	IBM AIX 5.2	IBM 6228 ^{5, 22, 38}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 13, 38, 39, 40}	
56	p630: 7028–6C4, 7028–6E4; p690 7040–681	PCI	IBM AIX 5.2	IBM 6228 ^{5, 22, 38}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 18, 38, 39, 40}	
57	p640 7026–B80	PCI	IBM AIX 5.2	IBM 6228 ^{5, 22, 38}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 34, 38, 39, 40}	
58	p650 7038–6M2	PCI	IBM AIX 5.2	IBM 6228 ^{5, 22, 38}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 38, 39, 40, 41}	
59	p655 7039–651; p670 7040–671; p690 7040–W42	PCI	IBM AIX 5.2	IBM 6228 ^{5, 22, 38}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 38, 39, 40}	
60	p660 7026–6M1	PCI	IBM AIX 5.2	IBM 6228 ^{5, 22, 38}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 15, 38, 39, 40}	
61	p660: 7026–6H0, 7026–6H1	PCI	IBM AIX 5.2	IBM 6228 ^{5, 22, 38}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 16, 38, 39, 40}	
62	p680 7017–S85	PCI	IBM AIX 5.2	IBM 6228 ^{5, 22, 38}	FC–AL ⁶ FC–SW ⁶	γ ^{7, 8, 38, 39, 40}	
63	p690: 7040–61D, 7040–61R	PCI	IBM AIX 5.2	IBM 6228 ^{5, 22, 38}	FC–AL ⁶ FC–SW ⁶	γ ^{8, 38, 39, 40, 42}	
64	7013–S7A; 7015–S7A; 7017–S7A; 7025–F50	PCI	IBM AIX 5.2	IBM: 6227 ^{22, 26} , 6228 ^{5, 22}	FC–AL ⁶ FC–SW ⁶	N	
65	7017–S80	PCI	IBM AIX 5.2	IBM: 6227 ^{22, 26} , 6228 ^{5, 22, 38, 46, 48}	FC–AL ⁶ FC–SW ⁶	γ ^{7, 8, 40}	
66	7044–170 ¹⁷ ; 7044–270 ¹⁷ ; p610: 7028–6C1 ¹⁹ , 7028–6E1 ¹⁹ ; p620: 7025–6F0, 7025–6F1; p630: 7028–6C4 ¹⁸ , 7028–6E4 ¹⁸ ; p640 7026–B80 ³⁴ ; p650 7038–6M2 ³⁴ ; p655 7039–651; p660: 7026–6H0 ¹⁶ , 7026–6H1 ¹⁶ , 7026–6M1 ¹⁵ ; p670 7040–671 ¹⁸ ; p690: 7040–61D ¹⁸ , 7040–61R ¹⁸ , 7040–681 ⁴²	PCI	IBM AIX 5.2 ^{40, 46}	IBM 6239 ⁴⁵	FC–AL ⁶ FC–SW ⁶	Y	See ⁸

IBM – IBM AIX							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
67	7013–S70 as SP2 node; 7015–S70 as SP2 node; 7017–S70 as SP2 node; 7017–S7A as SP2 node; p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node; p680 7017–S85 as SP2 node; p690: 7040–61D as an SP node, 7040–61R as an SP node, 7040–681 as an SP node	PCI	IBM AIX 5.2 ^{46, 48, 49, 50, 51}	IBM 6227 ^{22, 52, 53}	FC–AL ⁶ FC–SW ⁶	N	
68	670 7040–671 as an SP node; 7013–S7A as SP2 node; 7015–S7A as SP2 node; 7017–S80 as SP2 node; 7026–H80 as SP2 node; 7026–M80 as SP2 node; SP2 9076 +: 06 50X ²⁸ , 07 55X ²⁸ , 08 T70 ²⁸	PCI	IBM AIX 5.2 ^{46, 48, 49, 50, 51}	IBM: 6227 ^{22, 52, 53} , 6228 ^{22, 46, 52, 53, 54}	FC–AL ⁶ FC–SW ⁶	N	
69	p615: 7029–6C3, 7029–6E3	PCI	IBM AIX: 5.1 ^{12, 43, 44, 5.2^{40, 46, 47}}	IBM 6239 ^{22, 45}	FC–AL ⁶ FC–SW ⁶	Y	See ⁸

- Includes support for FC4700, FC4700–2, CX600, CX400.
- AIX 5.1–32/64 bit kernel supported. Requires CLArrayS3.5.1 fileset support.
- IBM 6227 and IBM 6228 adapters are supported on the same server. Mixed FC–AL and FC–SW are supported on the same server. 6227 Filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1000f7.rte ; 6228 Filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1000f9.diag, devices.pci/df1000f9.rte
- Requires minimum HBA firmware 3.82A1, CLArrayS3.5.1 fileset support. Supports FC4700 with minimum Flare code 8.46.xx .
- Firmware Version 3.82A1. Minimum supported level.
- FC–SW and FC–AL are supported on the same server.
- System/Service processor combined microcode Version 20020920 dated 11/19/2002 or later.
- Booting from a PowerPath device is supported with FC–SW topology only.
- Minimum Powerpath version 3.0.2. For Powerpath patches 3.0.x, the bootfix.sh script is required for boot support. See the EMC Primus case ID emc58038 for more details and the PowerPath Release Notes for installation
- AIX 5.1 ML1, APAR IY21957 or higher.
- For Powerpath version 3.0.3, minimum CLArray S3.5.1.0.6 version is required.
- Fibre boot when used under AIX 5.1 requires APAR IY40885 which can be obtained from IBM at <https://techsupport.services.ibm.com/server/fixes?view=pSeries>.
- System microcode CL020407 or later.
- System/Service processor combined microcode Version SST01256/SS010614 dated 10/23/2001 or later.
- System microcode MM020407 or later.
- System microcode CM020407 or later.
- System/Service processor combined microcode Version SPH02254/sh020307 dated 11/20/2002 or later.
- System/Service processor combined microcode Version RH020413 dated 05/22/2002 or later.
- System/Service processor combined microcode Version CLT02066/ct020307 dated 04/04/2002 or later.
- System/Service processor microcode Version RK021120 dated 12/11/2002 or later.
- Requires AIX 5.1 with minimum maintenance level 03 APAR 1Y32749.
- IBM Native Fibre Channel drivers with feature code 6227 and with feature code 6228 are supported on the same server. Feature 6228 and 6239 are supported on the same server. Mixed FC–AL and FC–SW are supported on the same server. 6227 filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1000f7.rte; 6228 filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1000f9.diag, devices.pci/df1000f9.rte; 6239 filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1080f9.diag, devices.pci/df1080f9.rte
- AIX 5.1 supported only with 32–bit kernel.
- Requires adapter firmware 3.82A1, CLArrayS3.5.1 fileset support. Supports FC4700 with minimum Flare code 8.46.xx.
- Requires adapter firmware 3.22A1, CLArrayS3.4.3.0.x fileset support. Supports FC4700 with minimum Flare code 8.46.xx .
- Firmware Version 3.22A1. Minimum supported level.
- IBM 6227 and IBM 6228 adapters are supported on the same server. Mixed FC–AL and FC–SW are supported on the same server. 6227 Filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1000f7.rte ; 6228 Filesets: devices.pci/df1000f7.com, devices.pci/df1000f7.diag, devices.pci/df1000f9.diag, devices.pci/df1000f9.rte
- The following link provides detailed data for all 9076–SP2 models and feature codes: http://www1.ibm.com/cgi-bin/master?request=salesmanual&parms=SMS&xh=NTZH*daEMSRi4n1USenGnN9332&xh=usa.main%7Csalesmanual%5E&type=D&search=9076&title=T&product
- System/Service processor combined microcode Version RR020822 dated 09/19/2002 or later.
- Requires minimum AIX 5.1 maintenance level 02.
- Minimum AIX 4.3.3 ML9, APAR IY22024
- For Powerpath version 3.0.3, minimum CLArray S3.4.3.0.8 version is required.
- Fibre boot when used under AIX 4.3 requires APAR IY42989 which can be obtained from IBM at <https://techsupport.services.ibm.com/server/fixes?view=pSeries>.
- System/Service processor combined microcode Version NAN02066/SC020308 dated 03/29/2002 or later.
- Requires adapter firmware 3.22A1, CLArrayS3.5.1 fileset support. Supports FC4700 with minimum flare code 8.46.xx.
- Requires minimum HBA firmware 3.82A1, CLArrayS3.4.3.0.x fileset support. Supports FC4700 with minimum Flare code 8.46.xx .
- System/Service processor combined microcode Version L02113/ag010611 or later.
- For all PCI–based hosts only: see HBA placement guidelines in the IBM document PCI Adapter Placement Reference SA38–0538–6, available at http://www-1.ibm.com/servers/eserver/pseries/library/hardware_docs/sa38/380538.pdf
- Requires CLArrayS3.5.2.0.6
- Fibre boot when used under AIX 5.2 requires APAR IY41028 which can be obtained from IBM at <https://techsupport.services.ibm.com/server/fixes?view=pSeries>.
- System/Service processor combined microcode Version RK030206 dated 03/31/2003 or later.
- Minimum microcode levels RH0 20413 dated 05/22/2002 or later.
- Requires AIX 5.1 with minimum maintenance level 04 APAR IY44478.
- Requires CLArrayS3.5.1.0.6 or higher
- Firmware Version 1.00X5. Minimum supported level.
- Requires CLArrayS3.5.2.0.7
- Requires AIX 5.2 with minimum maintenance level 01 APAR IY44479.
- For all PCI–based hosts only: See http://www-1.ibm.com/servers/eserver/pseries/library/hardware_docs/sa38/380538.pdf for appropriate HBA placement guidelines.
- AIX 5.2 32/64 bit kernel supported. Requires Minimum EMC ODM fileset support 5.0.0.0.**
- AIX 5.2 requires Operating System APAR# IY36782, IY37744 and IY37746 for support with HACMP and HACMP/ES version 4.5 and PSSP 3.5.**
- Requires AIX APAR IY48995
- See http://www.rs6000.ibm.com/resource/hardware_docs/sa38-0538/380538.pdf for appropriate HBA placement guidelines
- Requires minimum ODM fileset support (5.0.0.0 EMC Symmetrix Fibre Channel support software).
- IBM 6227 and 6228 adapters are supported on the same server. Mixed FC–AL and FC–SW are supported on the same server.

Microsoft Windows 2000

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non–disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).

- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

Bull

Bull – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800: 320La, 320La-R, 320Lb, 320Lb-R, 330Ma-R, 330Mb-R, 340Ha-R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2, 6} , SP3 ^{1, 2, 6}	QLogic QLA2310F-E-SP ^{7, 8}	FC-AL, FC-SW	N
2	Express 5800 180Rb7	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex LP8000-EMC ^{3, 4, 5}	FC-AL, FC-SW	Y

- 1. EMC recommends that HBAs of different vendors not be used in the same host server.
- 2. Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- 3. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- 4. Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- 5. Driver Version 2.21a7.
- 6. Refer to the Stratus, Bull or NEC documentation for hardware, software and non-storage related setup and configuration.
- 7. Qlogic SANSurfer/SANBlade Manager is not supported.
- 8. Driver Version 8.2.3.21.

DG

DG – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	AViiON: AV8900, AV8950, AV8950R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{6, 14, 15} , LP10000DC-E ^{6, 14, 15} , LP1050-E ^{6, 15, 16} , LP1050DC-E ^{6, 15, 16} , LP8000-EMC ^{6, 7, 8} , LP9002-E (LP9002L-E) ^{3, 6, 7} , LP9802-E ^{3, 4, 5, 6} , LP9802DC-E ^{3, 4, 5, 6} , LP982-E ^{3, 4, 5, 6, 13} ; QLogic: QLA2340-E-SP ^{9, 10} , QLA2342-E-SP ^{9, 10}	FC-AL, FC-SW	Y
2	AViiON: AV1400, AV2300, AV2700, AV2800, AV3600, AV3700, AV3704, AV3704R, AV3800, AV8700	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{6, 14, 15} , LP10000DC-E ^{6, 14, 15} , LP1050-E ^{6, 15, 16} , LP1050DC-E ^{6, 15, 16} , LP8000-EMC ^{6, 7, 8} , LP9002-E (LP9002L-E) ^{6, 7} , LP9802-E ^{3, 4, 5, 6} , LP9802DC-E ^{3, 4, 5, 6} , LP982-E ^{3, 4, 5, 6, 13} ; QLogic: QLA2340-E-SP ^{9, 10} , QLA2342-E-SP ^{9, 10}	FC-AL, FC-SW	Y
3	AViiON: AV1400, AV2300, AV2700, AV2800, AV3600, AV3700, AV3704, AV3704R, AV3800, AV8700, AV8900, AV8950, AV8950R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ^{10, 11}	FC-AL ¹² , FC-SW	Y

- 1. EMC recommends that HBAs of different vendors not be used in the same host server.
- 2. Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- 3. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (P11, P111, etc.).
- 4. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- 5. Firmware Version 1.01a2.
- 6. Driver Version 2.21a7.
- 7. Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- 8. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- 9. PowerPath supported. ATF/CDE not supported.
- 10. Driver Version 8.2.3.21.
- 11. If using ATF/CDE, requires 2.1.6 or greater.
- 12. Supported by direct attach only
- 13. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- 14. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- 15. Firmware Version 1.80a3.
- 16. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.

Dell

Dell – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	PowerVault: 750N ¹⁴ , 755N ¹⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 9} , SP3 ^{3, 9} , SP4 ³	Emulex LP9002-E (LP9002L-E) ^{2, 4, 18} ; QLogic: QLA2340-E-SP ^{6, 8} , QLA2342-E-SP ^{6, 8}	FC-AL, FC-SW	Y
2	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 9} , SP3 ^{3, 9} , SP4 ³ ; Microsoft Windows 2000 Datacenter: SP2 ^{3, 9, 16} , SP3 ^{3, 9} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 9} , SP3 ^{3, 9} , SP4 ³	Emulex: LP8000-EMC ^{1, 2, 4} , LP9002-E (LP9002L-E) ^{2, 4}	FC-AL, FC-SW	Y

Dell – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
3	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³ , Microsoft Windows 2000 Datacenter: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³ , Microsoft Windows 2000 Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³	Emulex: LP9802-E ^{4,10,11,12} , LP9802DC-E ^{4,10,11,12} , LP982-E ^{4,10,11,12,15}	FC-AL, FC-SW	Y
4	PowerEdge 8450 ¹⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³ , Microsoft Windows 2000 Datacenter: SP3 ^{3,9} , SP4 ³ , Microsoft Windows 2000 Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³	QLogic QLA2342-E-SP ^{6,8}	FC-AL, FC-SW	Y
5	PowerEdge: 4300, 4350	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³ , Microsoft Windows 2000 Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³	Emulex LP8000-EMC ^{1,2,4} , QLogic: QLA2340-E-SP ^{6,8} , QLA2342-E-SP ^{6,8}	FC-AL, FC-SW	Y
6	PowerEdge 1550	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³ , Microsoft Windows 2000 Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³	Emulex: LP10000-E ^{4,21,22} , LP10000DC-E ^{4,21,22} , LP1050-E ^{4,22,23} , LP1050DC-E ^{4,22,23} , LP8000-EMC ^{1,2,4} , LP9002-E (LP9002L-E) ^{2,4,18} , LP9802-E ^{4,11,12} , LP9802DC-E ^{4,10,11,12} , LP982-E ^{4,11,12,15} , QLogic: QLA2340-E-SP ^{6,8} , QLA2342-E-SP ^{6,8}	FC-AL, FC-SW	Y
7	PowerEdge: 1650, 2300, 2400, 2450, 2500, 2550 ¹³ , 4400, 6100, 6300, 6350, 6400, 6450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³ , Microsoft Windows 2000 Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³	Emulex: LP10000-E ^{4,21,22} , LP10000DC-E ^{4,21,22} , LP1050-E ^{4,22,23} , LP1050DC-E ^{4,22,23} , LP8000-EMC ^{1,2,4} , LP9002-E (LP9002L-E) ^{2,4} , LP9802-E ^{4,11,12} , LP9802DC-E ^{4,10,11,12} , LP982-E ^{4,11,12,15} , QLogic: QLA2340-E-SP ^{6,8} , QLA2342-E-SP ^{6,8}	FC-AL, FC-SW	Y
8	PowerVault: 770N ¹⁴ , 775N ¹⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³ , Microsoft Windows 2000 Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³	Emulex: LP10000-E ^{4,21,22} , LP10000DC-E ^{4,21,22} , LP1050-E ^{4,22,23} , LP1050DC-E ^{4,22,23} , LP9002-E (LP9002L-E) ^{2,4} , LP9802-E ^{4,11,12} , LP9802DC-E ^{4,10,11,12} , LP982-E ^{4,11,12,15} , QLogic: QLA2340-E-SP ^{6,8} , QLA2342-E-SP ^{6,8}	FC-AL, FC-SW	Y
9	PowerVault: 750N ¹⁴ , 755N ¹⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³ , Microsoft Windows 2000 Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³	Emulex: LP10000-E ^{4,21,22} , LP10000DC-E ^{4,21,22} , LP1050-E ^{4,22,23} , LP1050DC-E ^{4,22,23} , LP9802-E ^{4,11,12} , LP9802DC-E ^{4,10,11,12} , LP982-E ^{4,11,12,15}	FC-AL, FC-SW	Y
10	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³ , Microsoft Windows 2000 Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³	Emulex: LP10000-E ^{4,21,22} , LP10000DC-E ^{4,21,22} , LP1050-E ^{4,22,23} , LP1050DC-E ^{4,22,23} , QLogic QLA2340-E-SP ^{6,8}	FC-AL, FC-SW	Y
11	PowerEdge 8450 ¹⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³ , Microsoft Windows 2000 Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³	QLogic QLA2300F-E-SP ^{10,19,20}	FC-AL, FC-SW	Y
12	PowerEdge 8450	PCI	Microsoft Windows 2000 Datacenter SP2 ^{3,9}	QLogic QLA2342-E-SP ^{6,8}	FC-AL, FC-SW	Y
13	PowerEdge 8450	PCI	Microsoft Windows 2000 Datacenter SP4 ³	QLogic QLA2340-E-SP ^{6,8,10}	FC-AL, FC-SW	Y
14	PowerEdge 8450 ¹⁷	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{3,9,16} , SP3 ^{3,9} , SP4 ³	Emulex: LP10000-E ^{4,21,22} , LP10000DC-E ^{4,21,22} , LP1050-E ^{4,22,23} , LP1050DC-E ^{4,22,23}	FC-AL, FC-SW	Y
15	PowerEdge 8450	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{3,9,16} , SP3 ^{3,9} , SP4 ³	QLogic QLA2300F-E-SP ¹⁹	FC-AL, FC-SW	Y
16	PowerEdge 8450	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{3,9} , SP3 ^{3,9}	QLogic QLA2340-E-SP ^{6,10}	FC-AL, FC-SW	Y
17	PowerVault: 750N, 755N	PCI	Microsoft Windows 2000 Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³	Emulex LP9002-E (LP9002L-E) ^{4,18} , QLogic: QLA2340-E-SP ⁶ , QLA2342-E-SP ⁶	FC-AL, FC-SW	Y
18	PowerEdge: 1750, 2600, 4600, 6600, 6650	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³ , Microsoft Windows 2000 Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³	Emulex: LP10000-E ^{4,21,22} , LP10000DC-E ^{4,21,22} , LP1050-E ^{4,22,23} , LP1050DC-E ^{4,22,23} , LP8000-EMC ^{1,2,4} , LP9002-E (LP9002L-E) ^{2,4} , LP9802-E ^{4,11,12} , LP9802DC-E ^{4,10,11,12} , LP982-E ^{4,11,12,15} , QLogic: QLA2340-E-SP ^{6,8} , QLA2342-E-SP ^{6,8}	FC-AL, FC-SW	Y
19	PowerEdge 2650	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³ , Microsoft Windows 2000 Server: SP2 ^{3,9} , SP3 ^{3,9} , SP4 ³	Emulex: LP10000-E ^{4,21,22} , LP10000DC-E ^{4,21,22} , LP1050-E ^{4,22,23} , LP1050DC-E ^{4,22,23} , LP8000-EMC ^{1,4,18} , LP9002-E (LP9002L-E) ^{2,4} , LP9802-E ^{4,11,12} , LP9802DC-E ^{4,10,11,12} , LP982-E ^{4,11,12,15} , QLogic: QLA2340-E-SP ^{6,8} , QLA2342-E-SP ^{6,8}	FC-AL, FC-SW	Y

Dell – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
20	PowerVault: 750N ¹⁴ , 755N ¹⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 9} , SP3 ^{3, 9} , SP4 ³	QLogic QLA2310F-E-SP ^{5, 6}	FC-AL ⁷ , FC-SW	Y
21	PowerEdge 8450	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 9} , SP3 ^{3, 9} , SP4 ³ ; Microsoft Windows 2000 Datacenter: SP2 ^{3, 9, 16} , SP3 ^{3, 9} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 9} , SP3 ^{3, 9} , SP4 ³	QLogic QLA2310F-E-SP ^{5, 6}	FC-AL ⁷ , FC-SW	Y
22	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2500, 2550 ¹³ , 4300, 4350, 4400, 6100, 6300, 6350, 6400, 6450; PowerVault: 770N ¹⁴ , 775N ¹⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 9} , SP3 ^{3, 9} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 9} , SP3 ^{3, 9} , SP4 ³	QLogic QLA2310F-E-SP ^{5, 6}	FC-AL ⁷ , FC-SW	Y
23	PowerVault: 750N, 755N	PCI	Microsoft Windows 2000 Server: SP2 ^{3, 9} , SP3 ^{3, 9} , SP4 ³	QLogic QLA2310F-E-SP ⁶	FC-AL ⁷ , FC-SW	Y
24	PowerEdge: 1750, 2600, 2650, 4600, 6600, 6650	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 9} , SP3 ^{3, 9} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 9} , SP3 ^{3, 9} , SP4 ³	QLogic QLA2310F-E-SP ^{5, 6}	FC-AL ⁷ , FC-SW	Y

- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Driver Version 2.21a7.
- If using ATF/CDE, requires 2.1.6 or greater.
- Driver Version 8.2.3.21.
- Supported by direct attach only
- PowerPath supported. ATF/CDE not supported.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- Not supported with Emulex LP8000-EMC HBA.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- PowerPath not supported. ATF is supported only using Emulex 5-2.11a2 driver.
- If using Dell PERC Controller, requires PERC 3 with OpenManager 3.0 and Array Manager 3.1. The afamgt.sys must be version 2.6.0.3486 (or above)..
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Driver Version 8.2.1.20.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 1.80a3.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.

Fuji Serv (ICL)

Fuji Serv (ICL) – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Trimetra Nova	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{6, 14, 15} , LP10000DC-E ^{6, 14, 15} , LP1050-E ^{6, 15, 16} , LP1050DC-E ^{6, 15, 16} , LP8000-EMC ^{6, 12, 13} , LP9002-E (LP9002L-E) ^{6, 12} , LP9802-E ^{4, 5, 6} , LP9802DC-E ^{3, 4, 5, 6} , LP982-E ^{4, 5, 6, 11} ; QLogic: QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y
2	Trimetra Nova	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ^{8, 10}	FC-AL ⁹ , FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- Driver Version 2.21a7.
- PowerPath supported. ATF/CDE not supported.
- Driver Version 8.2.3.21.
- Supported by direct attach only
- If using ATF/CDE, requires 2.1.6 or greater.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 1.80a3.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.

HPQ

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Proliant DL380(G3)	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	Emulex LP9002-E (LP9002L-E) ^{9, 10, 15} ; QLogic: QLA2340-E-SP1, 2, 13; QLA2342-E-SP1, 2, 13	FC-AL, FC-SW	Y
2	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Datacenter: SP2 ^{3, 12} , SP3 ^{3, 12} ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	Emulex: LP10000-E ^{9, 27, 28} , LP10000DC-E ^{9, 27, 28} , LP1050-E ^{9, 28, 29} , LP1050DC-E ^{9, 28, 29}	FC-AL, FC-SW	Y
3	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Datacenter: SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	HPQ: FCA2214 (QLA2340) ^{2, 25} , FCA2214DC (QLA2342) ^{2, 25}	FC-AL, FC-SW	Y
4	Netserver LH: II, PRO; Netserver: LX PRO, LXR PRO, LXR PRO8	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	Emulex LP8000-EMC ^{9, 10, 11} ; HPQ: DS-KGPSA-CA (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CB (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CY (LP8000) ^{7, 9, 24, 27}	FC-AL, FC-SW	Y
5	Netserver LH: 3000, 6000; Netserver LXR: 8000, 8500; Proliant: 1600 ^{14, 17} , 1850 ¹⁴ , 850 ¹⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	Emulex LP8000-EMC ^{9, 10, 11} ; HPQ: DS-KGPSA-CA (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CB (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CY (LP8000) ^{7, 9, 24, 27} ; FCA2214 (QLA2340) ^{2, 25} , FCA2214DC (QLA2342) ^{2, 25} , FCA2384 (LP9802) ^{8, 9, 30} , FCA2404 (LP9802) ^{8, 9, 27} ; QLogic: QLA2340-E-SP1, 2, QLA2342-E-SP1, 2	FC-AL, FC-SW	Y
6	Netserver LH: 3, 4, III; Proliant: 2500 ¹⁴ , 5000 ¹⁴ , 6000 ^{14, 18} , 6500 ^{14, 18} , 8000 ^{14, 18}	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	Emulex LP8000-EMC ^{9, 10, 11} ; HPQ: DS-KGPSA-CA (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CB (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CY (LP8000) ^{7, 9, 24, 27} ; FCA2214 (QLA2340) ^{2, 25} , FCA2214DC (QLA2342) ^{2, 25} ; QLogic: QLA2340-E-SP1, 2, QLA2342-E-SP1, 2	FC-AL, FC-SW	Y
7	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LPR, LT 6000R; Proliant: 6400R ¹⁴ , DL320 ¹⁴ , DL360(G2) ^{14, 16} , DL360 ¹⁴ , DL380(G2) ¹⁴ , DL380 ¹⁴ , DL580 ¹⁴ , ML350(G2) ¹⁴ , ML350(G3), ML350 ¹⁴ , ML370(G2), ML370(G3), ML370 ¹⁴ , ML530(G2) ¹⁴ , ML530 ¹⁴ , ML570 ¹⁴ , ML750 ¹⁹	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	Emulex: LP10000-E ^{9, 27, 28} , LP10000DC-E ^{9, 27, 28} , LP1050-E ^{9, 28, 29} , LP1050DC-E ^{9, 28, 29} , LP8000-EMC ^{9, 10, 11} , LP9002-E (LP9002L-E) ^{9, 10} , LP9802-E ^{7, 8, 9} , LP9802DC-E ^{7, 8, 9, 13} , LP982-E ^{6, 7, 8, 9} ; HPQ: A7298A (LP982) ^{8, 9, 27} , DS-KGPSA-CA (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CB (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CY (LP8000) ^{7, 9, 24, 27} , FCA2101 (LP952) ^{9, 31, 32} , FCA2214 (QLA2340) ^{2, 25} , FCA2214DC (QLA2342) ^{2, 25} , FCA2384 (LP9802) ^{8, 9, 30} , FCA2404 (LP9802) ^{8, 9, 27} , FCA2404DC (LP9802DC) ^{8, 9, 27} , FCA2408 (LP982) ^{8, 9, 27} ; QLogic: QLA2340-E-SP1, 2, QLA2342-E-SP1, 2	FC-AL, FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
8	Proliant DL380(G3)	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	Emulex: LP10000-E ^{9, 27, 28} , LP10000DC-E ^{9, 27, 28} , LP1050-E ^{9, 28, 29} , LP1050DC-E ^{9, 28, 29} , LP8000-EMC ^{9, 10, 11} , LP9802-E ^{7, 8, 9} , LP9802DC-E ^{7, 8, 9, 13} , LP982-E ^{6, 7, 8, 9} ; HPQ: A7298A (LP982) ^{8, 9, 27} , DS-KGPSA-CA (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CB (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CY (LP8000) ^{7, 9, 24, 27} , FCA2101 (LP952) ^{9, 31, 32} , FCA2214 (QLA2340) ^{2, 25} , FCA2214DC (QLA2342) ^{2, 25} , FCA2384 (LP9802) ^{8, 9, 30} , FCA2404 (LP9802) ^{8, 9, 27} , FCA2404DC (LP9802DC) ^{8, 9, 27} , FCA2408 (LP982) ^{8, 9, 27}	FC-AL, FC-SW	Y
9	Proliant 3000 ¹⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	Emulex: LP8000-EMC ^{9, 11, 24, 27} , LP8000-EMC ^{9, 10, 11} , LP9002-E (LP9002L-E) ^{9, 10} ; HPQ: DS-KGPSA-CA (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CB (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CY (LP8000) ^{7, 9, 24, 27} , FCA2101 (LP952) ^{9, 31, 32} , FCA2214 (QLA2340) ^{2, 25} , FCA2214DC (QLA2342) ^{2, 25} ; QLogic: QLA2340-E-SP1, 2, QLA2342-E-SP1, 2	FC-AL, FC-SW	Y
10	Proliant: 5500 ^{14, 18} , 7000 ^{14, 18}	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	Emulex: LP8000-EMC ^{9, 10, 11} , LP9002-E (LP9002L-E) ^{9, 10} ; HPQ: DS-KGPSA-CA (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CB (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CY (LP8000) ^{7, 9, 24, 27} , FCA2101 (LP952) ^{9, 31, 32} , FCA2214 (QLA2340) ^{2, 25} , FCA2214DC (QLA2342) ^{2, 25} ; QLogic: QLA2340-E-SP1, 2, QLA2342-E-SP1, 2	FC-AL, FC-SW	Y
11	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	QLogic QLA2300F-E-SP ^{13, 25, 26}	FC-AL, FC-SW	Y
12	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Datacenter SP4 ³ , Server SP2 ^{3, 12} , Server SP3 ^{3, 12} , Server SP4 ³	Emulex: LP8000-EMC ^{9, 10, 11} , LP9002-E (LP9002L-E) ^{9, 10} , LP9802-E ^{7, 8, 9} , LP9802DC-E ^{7, 8, 9, 13} , LP982-E ^{6, 7, 8, 9} ; HPQ: A7298A (LP982) ^{8, 9, 27} , DS-KGPSA-CA (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CB (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CY (LP8000) ^{7, 9, 24, 27} , FCA2101 (LP952) ^{9, 31, 32} , FCA2384 (LP9802) ^{8, 9, 30} , FCA2404 (LP9802) ^{8, 9, 27} , FCA2404DC (LP9802DC) ^{8, 9, 27} , FCA2408 (LP982) ^{8, 9, 27} ; QLogic: QLA2340-E-SP1, 2, QLA2342-E-SP1, 2	FC-AL, FC-SW	Y
13	Proliant 8500	PCI	Microsoft Windows 2000 Datacenter SP3 ^{3, 12}	QLogic QLA2342-E-SP ^{2, 25}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
14	Proliant 8500 ¹⁴	PCI	Microsoft Windows 2000 Datacenter SP4 ³	Emulex: LP10000-E ⁹ , 27, 28; LP10000DC-E ⁹ , 27, 28; LP1050-E ⁹ , 28, 29; LP1050DC-E ⁹ , 28, 29	FC-AL, FC-SW	Y
15	Proliant DL380(G3)	PCI	Microsoft Windows 2000 Server: SP2 ³ , 12, SP3 ³ , 12, SP4 ³	Emulex LP9002-E (LP9002L-E) ⁹ , 10; QLogic: QLA2340-E-SP1, 2, QLA2342-E-SP1, 2	FC-AL, FC-SW	Y
16	Proliant: BL40p, DL740, DL760 (G2), DL760 ¹⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ³ , 12, SP3 ³ , 12, SP4 ³	Emulex LP9002-E (LP9002L-E) ⁹ , 10, 15	FC-AL, FC-SW	Y
17	Proliant: DL760 (G2), DL760 ¹⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ³ , 12, SP3 ³ , 12, SP4 ³ ; Microsoft Windows 2000 Datacenter: SP2 ³ , 12, SP3 ³ , 12, SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , 12, SP3 ³ , 12, SP4 ³	Emulex: LP10000-E ⁹ , 27, 28; LP10000DC-E ⁹ , 27, 28; LP1050-E ⁹ , 28, 29; LP1050DC-E ⁹ , 28, 29; LP9802-E ⁷ , 8, 9; LP9802DC-E ⁷ , 8, 9, 13; LP982-E ⁶ , 7, 8, 9; HPQ: A7298A (LP982) ⁸ , 9, 27; DS-KGPSA-CA (LP8000) ⁷ , 9, 24, 27; DS-KGPSA-CB (LP8000) ⁷ , 9, 24, 27; DS-KGPSA-CY (LP8000) ⁷ , 9, 24, 27; FCA2101 (LP952) ⁹ , 31, 32; FCA2214 (QLA2340) ² , 25; FCA2214DC (QLA2342) ² , 25; FCA2384 (LP9802) ⁸ , 9, 30; FCA2404 (LP9802) ⁸ , 9, 27; FCA2404DC (LP9802DC) ⁸ , 9, 27; FCA2408 (LP982) ⁸ , 9, 27; QLogic: QLA2340-E-SP1, 2	FC-AL, FC-SW	Y
18	Proliant: DL760 (G2), DL760 ¹⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ³ , 12, SP3 ³ , 12, SP4 ³ ; Microsoft Windows 2000 Datacenter: SP2 ³ , 12, SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , 12, SP3 ³ , 12, SP4 ³	QLogic: QLA2342-E-SP1, 2	FC-AL, FC-SW	Y
19	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ³ , 12, SP3 ³ , 12, SP4 ³ ; Microsoft Windows 2000 Server: SP2 ³ , 12, SP3 ³ , 12, SP4 ³	Emulex: LP10000-E ⁹ , 27, 28; LP10000DC-E ⁹ , 27, 28; LP1050-E ⁹ , 28, 29; LP1050DC-E ⁹ , 28, 29; LP8000-EMIC ⁹ , 10, 11; LP9002-E (LP9002L-E) ⁹ , 10; LP9802-E ⁷ , 8, 9; LP9802DC-E ⁷ , 8, 9, 13; LP982-E ⁶ , 7, 8, 9; HPQ: A7298A (LP982) ⁸ , 9, 27; DS-KGPSA-CA (LP8000) ⁷ , 9, 24, 27; DS-KGPSA-CB (LP8000) ⁷ , 9, 24, 27; DS-KGPSA-CY (LP8000) ⁷ , 9, 24, 27; FCA2101 (LP952) ⁹ , 31, 32; FCA2214 (QLA2340) ² , 25; FCA2214DC (QLA2342) ² , 25; FCA2384 (LP9802) ⁸ , 9, 30; FCA2404 (LP9802) ⁸ , 9, 27; FCA2404DC (LP9802DC) ⁸ , 9, 27; FCA2408 (LP982) ⁸ , 9, 27; QLogic: QLA2340-E-SP1, 2, QLA2342-E-SP1, 2	FC-AL, FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
20	Proliant DL740	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	Emulex: LP10000-E ^{9, 27, 28} , LP10000DC-E ^{9, 27, 28} , LP1050-E ^{9, 28, 29} , LP1050DC-E ^{9, 28, 29} , LP8000-EMC ^{9, 10, 11} , LP9802-E ^{7, 8, 9} , LP9802DC-E ^{7, 8, 9, 13} , LP982-E ^{6, 7, 8, 9} ; HPQ: A7298A (LP982) ^{8, 9, 27} , DS-KGPSA-CA (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CB (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CY (LP8000) ^{7, 9, 24, 27} , FCA2101 (LP952) ^{8, 31, 32} , FCA2214 (QLA2340) ^{2, 25} , FCA2214DC (QLA2342) ^{2, 25} , FCA2384 (LP9802) ^{8, 9, 30} , FCA2404 (LP9802) ^{8, 9, 27} , FCA2404DC (LP9802DC) ^{8, 9, 27} , FCA2408 (LP982) ^{8, 9, 27} ; QLogic: QLA2300F-E-SP ^{13, 25, 26} , QLA2340-E-SP ^{1, 2} , QLA2342-E-SP ^{1, 2}	FC-AL, FC-SW	Y
21	Proliant BL40p	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	Emulex: LP10000-E ^{9, 27, 28} , LP10000DC-E ^{9, 27, 28} , LP1050-E ^{9, 28, 29} , LP1050DC-E ^{9, 28, 29} , LP8000-EMC ^{9, 10, 11} , LP9802-E ^{7, 8, 9} , LP9802DC-E ^{7, 8, 9, 13} , LP982-E ^{6, 7, 8, 9} ; HPQ: A7298A (LP982) ^{8, 9, 27} , DS-KGPSA-CA (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CB (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CY (LP8000) ^{7, 9, 24, 27} , FCA2101 (LP952) ^{8, 31, 32} , FCA2214 (QLA2340) ^{2, 25} , FCA2214DC (QLA2342) ^{2, 25} , FCA2384 (LP9802) ^{8, 9, 30} , FCA2404 (LP9802) ^{8, 9, 27} , FCA2404DC (LP9802DC) ^{8, 9, 27} , FCA2408 (LP982) ^{8, 9, 27} ; QLogic: QLA2340-E-SP ^{1, 2} , QLA2342-E-SP ^{1, 2}	FC-AL, FC-SW	Y
22	Proliant: DL760 (G2), DL760 ¹⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	QLogic: QLA2300F-E-SP ^{13, 25, 26}	FC-AL, FC-SW	Y
23	Proliant: DL760 (G2), DL760 ¹⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000: Datacenter SP4 ³ , Server SP2 ^{3, 12} , Server SP3 ^{3, 12} , Server SP4 ³	Emulex: LP8000-EMC ^{9, 10, 11}	FC-AL, FC-SW	Y
24	Proliant: DL760 (G2), DL760 ¹⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Datacenter: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	Emulex: LP8000-EMC ^{9, 10, 11, 24} , LP9002-E (LP9002L-E) ^{9, 10, 24}	FC-AL, FC-SW	Y
25	Proliant: DL760 (G2), DL760 ¹⁴	PCI-X	Microsoft Windows 2000 Datacenter SP3 ^{3, 12}	QLogic: QLA2342-E-SP ^{1, 2, 25}	FC-AL, FC-SW	Y
26	Proliant: DL760 (G2), DL760 ¹⁴	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	Emulex LP9002-E (LP9002L-E) ^{6, 9, 10, 15}	FC-AL, FC-SW	Y
27	Proliant: BL40p, DL740, DL760 (G2), DL760 ¹⁴	PCI-X	Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	Emulex LP9002-E (LP9002L-E) ^{9, 10}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
28	Proliant BL20p (G2)	PCI-X ²⁰	Microsoft Windows 2000 Advanced Server: SP2^{3, 12} , SP3^{3, 12} , SP4³ ; Microsoft Windows 2000 Server: SP2^{3, 12} , SP3^{3, 12} , SP4³	HPQ Dual-port mezzanine controller card ^{2, 21}	FC-AL, FC-SW	Y
29	Proliant: DL580(G2) ¹⁴ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2^{3, 12} , SP3^{3, 12} , SP4³ ; Microsoft Windows 2000 Server: SP2^{3, 12} , SP3^{3, 12} , SP4³	Emulex: LP10000-E ⁹ , 27, 28, LP10000DC-E ⁹ , 27, 28, LP1050-E ⁹ , 28, 29, LP1050DC-E ⁹ , 28, 29, LP8000-EMC ⁹ , 10, 11, LP9002-E (LP9002L-E) ^{9, 10} , LP9802-E ^{7, 8, 9} , LP9802DC-E ^{7, 8, 9, 13} , LP982-E ^{6, 7, 8, 9} ; HPQ: A7298A (LP982) ^{8, 9, 27} , DS-KGPSA-CA (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CB (LP8000) ^{7, 9, 24, 27} , DS-KGPSA-CY (LP8000) ^{7, 9, 24, 27} , FCA2101 (LP952) ^{8, 31, 32} , FCA2214 (QLA2340) ^{2, 25} , FCA2214DC (QLA2342) ^{2, 25} , FCA2384 (LP9802) ^{8, 9, 30} , FCA2404 (LP9802) ^{8, 9, 27} , FCA2404DC (LP9802DC) ^{8, 9, 27} , FCA2408 (LP982) ^{8, 9, 27} ; QLogic: QLA2340-E-SP ^{1, 2} , QLA2342-E-SP ^{1, 2}	FC-AL, FC-SW	Y
30	Proliant DL760 ¹⁴	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2^{3, 12} , SP3^{3, 12} , SP4³ ; Microsoft Windows 2000 Server: SP2^{3, 12} , SP3^{3, 12} , SP4³	QLogic QLA2300F-E-SP ^{13, 25, 26}	FC-AL, FC-SW	Y
31	Proliant DL380(G3)	PCI	Microsoft Windows 2000 Advanced Server: SP2^{3, 12} , SP3^{3, 12} , SP4³	QLogic QLA2310F-E-SP ^{2, 4, 13}	FC-AL ⁵ , FC-SW	Y
32	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver LP: 2000r, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{14, 17} , 1850 ¹⁴ , 2500 ¹⁴ , 3000 ¹⁴ , 5000 ¹⁴ , 5500 ^{14, 18} , 6000 ^{14, 18} , 6400R ¹⁴ , 6500 ^{14, 18} , 7000 ^{14, 18} , 8000 ^{14, 18} , 850 ¹⁴ , DL320 ¹⁴ , DL360(G2) ^{14, 16} , DL360 ¹⁴ , DL380(G2) ¹⁴ , DL380 ¹⁴ , DL580 ¹⁴ , ML350(G2) ¹⁴ , ML350(G3) , ML350 ¹⁴ , ML370(G2), ML370(G3), ML370 ¹⁴ , ML530(G2) ¹⁴ , ML530 ¹⁴ , ML570 ¹⁴ , ML750 ¹⁹	PCI	Microsoft Windows 2000 Advanced Server: SP2^{3, 12} , SP3^{3, 12} , SP4³ ; Microsoft Windows 2000 Server: SP2^{3, 12} , SP3^{3, 12} , SP4³	QLogic QLA2310F-E-SP ^{2, 4}	FC-AL ⁵ , FC-SW	Y
33	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2^{3, 12} , SP3^{3, 12} , SP4³ ; Microsoft Windows 2000: Datacenter SP ^{4, 3} , Server SP2^{3, 12} , SP3^{3, 12} , Server SP ^{4, 3}	QLogic QLA2310F-E-SP ^{2, 4}	FC-AL ⁵ , FC-SW	Y
34	Proliant DL380(G3)	PCI	Microsoft Windows 2000 Server: SP2^{3, 12} , SP3^{3, 12} , SP4³	QLogic QLA2310F-E-SP ^{2, 4}	FC-AL ⁵ , FC-SW	Y
35	Proliant: DL760 (G2), DL760 ¹⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP2^{3, 12} , SP3^{3, 12} , SP4³ ; Microsoft Windows 2000 Datacenter: SP2^{3, 12} , SP3^{3, 12} , SP4³ ; Microsoft Windows 2000 Server: SP2^{3, 12} , SP3^{3, 12} , SP4³	QLogic QLA2310F-E-SP ^{2, 4}	FC-AL ⁵ , FC-SW	Y
36	Proliant: BL40p, DL360(G3), DL560, DL740, ML570(G2)	PCI-X	Microsoft Windows 2000 Advanced Server: SP2^{3, 12} , SP3^{3, 12} , SP4³ ; Microsoft Windows 2000 Server: SP2^{3, 12} , SP3^{3, 12} , SP4³	QLogic QLA2310F-E-SP ^{2, 4}	FC-AL ⁵ , FC-SW	Y
37	Proliant: DL580(G2) ¹⁴ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2^{3, 12} , SP3^{3, 12} , SP4³ ; Microsoft Windows 2000 Server: SP2^{3, 12} , SP3^{3, 12} , SP4³	QLogic QLA2310F-E-SP ^{2, 4}	FC-AL ⁵ , FC-SW	Y

HPQ – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
38	Proliant 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Datacenter: SP2 ^{3, 12} , SP3 ^{3, 12} ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	HPQ: FCA2354 (LP9002) ^{6, 9, 13, 22, 23, 24} , FCA2355 (LP9002DC) ^{6, 9, 13, 22, 23, 24}	FC-SW	Y
39	Proliant: 6400R ¹⁴ , DL320 ¹⁴ , DL360(G2) ¹⁴ , DL360 ¹⁴ , DL380(G2) ¹⁴ , DL380(G3), DL380 ¹⁴ , DL580 ¹⁴ , ML350(G2) ¹⁴ , ML350(G3), ML350 ¹⁴ , ML370(G2), ML370(G3), ML370 ¹⁴ , ML530(G2) ¹⁴ , ML530 ¹⁴ , ML570 ¹⁴ , ML750 ¹⁴	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	HPQ: FCA2354 (LP9002) ^{9, 24} , FCA2355 (LP9002DC) ^{9, 24}	FC-SW	Y
40	Proliant DL760 ¹⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12}	HPQ: FCA2354 (LP9002) ^{9, 24} , FCA2355 (LP9002DC) ^{9, 24}	FC-SW	Y
41	Proliant: BL40p, DL360(G3), DL560, DL740, ML570(G2)	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	HPQ: FCA2354 (LP9002) ^{9, 24} , FCA2355 (LP9002DC) ^{9, 24}	FC-SW	Y
42	Proliant: DL760 (G2), DL760 ¹⁴	PCI-X	Microsoft Windows 2000 Advanced Server: SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Datacenter: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	HPQ: FCA2354 (LP9002) ^{6, 9, 13, 22, 23, 24} , FCA2355 (LP9002DC) ^{6, 9, 13, 22, 23, 24}	FC-SW	Y
43	Proliant: DL580(G2) ¹⁴ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{3, 12} , SP3 ^{3, 12} , SP4 ³	HPQ: FCA2354 (LP9002) ^{9, 24} , FCA2355 (LP9002DC) ^{9, 24}	FC-SW	Y

- PowerPath supported. ATF/CDE not supported.
- Driver Version 8.2.3.21.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- If using ATF/CDE, requires 2.1.6 or greater.
- Supported by direct attach only
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- Driver Version 2.21a7.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Requires minimum BIOS v4.01 rev A (5/17/2002) for use with Emulex HBAs.
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- Includes both Pentium PRO and XEON models
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- Dual port PCI-X fibre channel mezzanine card option is embedded. No PCI/PCI-X slots available.
- Supports BIOS 1.34. Supports SNIA HBA API. Driver and BIOS available at <http://www.qlogic.com>.**
- Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

- NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
 - Firmware Version 3.90a7.
 - Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
 - Driver Version 8.2.1.20.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
 - Firmware Version 1.80a3.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**
 - Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. Supports SNIA HBA API.**
 - EMC does not support the Emulex equivalent of the FCA2101 (LP952.) Use EMC supported driver for LP9002 from <http://www.emulex.com>.**
 - Firmware Version 3.90a7. Contact HPQ for supported firmware versions for this HBA.

IBM

IBM – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{12, 15, 16} ; QLogic: QLA2340-E-SP ^{5, 6} , QLA2342-E-SP ^{5, 6}	FC-AL, FC-SW	Y

IBM – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
2	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	Emulex: LP9002-E (LP9002L-E) ^{12, 15, 16} , LP9802-E ^{6, 10, 12, 13} , LP982-E ^{6, 10, 12, 13, 14} ; IBM 24P0960(QLA2340) ^{4, 5, 8, 9} ; QLogic: QLA2340-E-SP ^{5, 6, 8} , QLA2342-E-SP ^{5, 6, 8}	FC-AL, FC-SW	Y
3	Netfinity 8500; xSeries x370 ¹¹	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{12, 34, 35} , LP10000DC-E ^{12, 34, 35} , LP1050-E ^{12, 35, 38} , LP1050DC-E ^{12, 35, 38}	FC-AL, FC-SW	Y
4	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{12, 34, 35} , LP10000DC-E ^{12, 34, 35} , LP1050-E ^{12, 35, 38} , LP1050DC-E ^{12, 35, 38} , LP9802-E ^{6, 10, 12, 13} , LP982-E ^{6, 10, 12, 13, 14} ; IBM 24P0960(QLA2340) ^{4, 5, 8, 9}	FC-AL, FC-SW	Y
5	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex LP8000-EMC ^{12, 16, 18} ; IBM: 19K1246(QLA2310) ^{3, 4, 5} , 24P0960(QLA2340) ^{4, 5, 8, 9} ; QLogic: QLA2340-E-SP ^{5, 6} , QLA2342-E-SP ^{5, 6}	FC-AL, FC-SW	Y
6	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex LP8000-EMC ^{12, 16, 18} ; IBM: 19K1246(QLA2310) ^{3, 4, 5} , 24P0960(QLA2340) ^{4, 5, 9} ; QLogic: QLA2340-E-SP ^{5, 8} , QLA2342-E-SP ^{5, 8}	FC-AL, FC-SW	Y
7	Netfinity 7000 M10 ²¹	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex LP8000-EMC ^{12, 16, 18} ; QLogic: QLA2340-E-SP ^{5, 8} , QLA2342-E-SP ^{5, 8}	FC-AL, FC-SW	Y
8	xSeries x255 ¹¹	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{12, 34, 35} , LP10000DC-E ^{12, 34, 35} , LP1050-E ^{12, 35, 38} , LP1050DC-E ^{12, 35, 38} , LP8000-EMC ^{12, 16, 18} , LP9002-E (LP9002L-E) ^{12, 16} , LP9802-E ^{10, 12, 13} , LP982-E ^{10, 12, 13, 14} , LP9802DC-E ^{6, 10, 12, 13} , LP982-E ^{10, 12, 13, 14} ; IBM: 19K1246(QLA2310) ^{3, 4, 5} , 24P0960(QLA2340) ^{4, 5, 8, 9} ; QLogic: QLA2340-E-SP ^{5, 8} , QLA2342-E-SP ^{5, 8}	FC-AL, FC-SW	Y
9	xSeries: X330 ¹¹ , X335, X340 (4500R) ¹¹ , X342 ¹¹ , x230, x232 ¹¹ , x240 ¹¹ , x250 ¹¹ , x350 (6000R) ¹¹	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{12, 34, 35} , LP10000DC-E ^{12, 34, 35} , LP1050-E ^{12, 35, 38} , LP1050DC-E ^{12, 35, 38} , LP8000-EMC ^{12, 16, 18} , LP9002-E (LP9002L-E) ^{12, 16} , LP9802-E ^{10, 12, 13} , LP982-E ^{10, 12, 13, 14} , LP9802DC-E ^{6, 10, 12, 13} , LP982-E ^{10, 12, 13, 14} ; IBM: 19K1246(QLA2310) ^{3, 4, 5} , 24P0960(QLA2340) ^{4, 5, 9} ; QLogic: QLA2340-E-SP ^{5, 8} , QLA2342-E-SP ^{5, 8}	FC-AL, FC-SW	Y
10	xSeries x370 ¹¹	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	IBM 24P0960(QLA2340) ^{4, 5, 9} ; QLogic QLA2300F-E-SP ^{4, 6, 28}	FC-AL, FC-SW	Y
11	Netfinity 7000 M10 ²⁰	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	IBM: 19K1246(QLA2310) ^{3, 4, 5} , 24P0960(QLA2340) ^{4, 5, 9}	FC-AL, FC-SW	Y
12	Netfinity: 8500, 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	QLogic QLA2300F-E-SP ^{4, 6, 28}	FC-AL, FC-SW	Y
13	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ^{1,2} , Server SP3 ^{1,2} , Server SP4 ¹	Emulex LP8000-EMC ^{12, 16, 18} ; IBM 19K1246(QLA2310) ^{3, 4, 5}	FC-AL, FC-SW	Y
14	xSeries x370 ¹¹	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ^{1,2} , Server SP3 ^{1,2} , Server SP4 ¹	Emulex: LP8000-EMC ^{12, 16, 18} , LP9002-E (LP9002L-E) ^{12, 16} , LP9802-E ^{10, 12, 13} , LP982DC-E ^{6, 10, 12, 13} , LP982-E ^{10, 12, 13, 14} ; IBM 19K1246(QLA2310) ^{3, 4, 5} ; QLogic: QLA2340-E-SP ^{5, 8} , QLA2342-E-SP ^{5, 8}	FC-AL, FC-SW	Y

IBM – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
15	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹ , Server SP2 ^{1,2} , Server SP3 ^{1,2} , Server SP4 ¹	Emulex: LP8000-EMC ^{12, 16, 18} , LP9802DC-E ^{6, 10, 12, 13} ; IBM 19K1246(QLA2310) ^{3, 4, 5}	FC-AL, FC-SW	Y
16	Netfinity: 8500, 8500R; xSeries x370 ¹¹	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	IBM 00N6881 (QLA2200) ^{29, 30, 31, 32}	FC-AL, FC-SW	Y
17	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ²⁰ , 7100, 7600; xSeries: X330 ¹¹ , X335, X340 (4500R) ¹¹ , X342 ¹¹ , x230, x232 ¹¹ , x240 ¹¹ , x250 ¹¹ , x255 ¹¹ , x350 (6000R) ¹¹	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	IBM 00N6881 (QLA2200) ^{29, 30, 31, 32}	FC-AL, FC-SW	Y
18	xSeries x370	PCI	Microsoft Windows 2000 Advanced Server: SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP8000-EMC ^{12, 16, 18, 33} , LP9002-E (LP9002L-E) ^{12, 16, 33}	FC-AL, FC-SW	Y
19	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex LP8000-EMC ^{12, 16, 18, 33}	FC-AL, FC-SW	Y
20	xSeries x370	PCI	Microsoft Windows 2000 Datacenter SP2 ^{1,2}	IBM 24P0960(QLA2340) ^{4, 5, 9} ; QLogic QLA2342-E-SP ^{5, 8}	FC-AL, FC-SW	Y
21	xSeries x370	PCI	Microsoft Windows 2000 Datacenter SP3 ^{1,2}	IBM 24P0960(QLA2340) ^{4, 5, 8, 9} ; QLogic QLA2342-E-SP ^{4, 5, 8}	FC-AL, FC-SW	Y
22	xSeries x370 ¹¹	PCI	Microsoft Windows 2000 Datacenter SP4 ¹	IBM 24P0960(QLA2340) ^{4, 5, 8, 9}	FC-AL, FC-SW	Y
23	xSeries x370	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2}	Emulex: LP9802-E ^{10, 12, 13} , LP9802DC-E ^{6, 10, 12, 13} , LP982-E ^{10, 12, 13, 14} ; IBM 19K1246(QLA2310) ^{3, 4, 5} ; QLogic QLA2340-E-SP ^{5, 8}	FC-AL, FC-SW	Y
24	Netfinity 8500R	PCI	Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{12, 14, 15, 16} ; QLogic: QLA2340-E-SP ^{5, 6, 17} , QLA2342-E-SP ^{5, 6, 17}	FC-AL, FC-SW	Y
25	Netfinity 8500	PCI	Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP9002-E (LP9002L-E) ^{12, 16} , LP9802-E ^{10, 12, 13} , LP982-E ^{10, 12, 13, 14} ; IBM 24P0960(QLA2340) ^{4, 5, 9} ; QLogic: QLA2340-E-SP ^{5, 8} , QLA2342-E-SP ^{5, 8}	FC-AL, FC-SW	Y
26	xSeries x440 ¹¹	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{12, 34, 35} , LP10000DC-E ^{12, 34, 35} , LP1050-E ^{12, 35, 38} , LP1050DC-E ^{12, 35, 38} ; IBM 19K1246(QLA2310) ^{3, 4, 5}	FC-AL, FC-SW	Y
27	xSeries x440	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{12, 34, 35} , LP10000DC-E ^{12, 34, 35} , LP1050-E ^{12, 35, 38} , LP1050DC-E ^{12, 35, 38}	FC-AL, FC-SW	Y
28	xSeries: x235 ¹¹ , x360 ¹¹	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E ^{12, 34, 35} , LP10000DC-E ^{12, 34, 35} , LP1050-E ^{12, 35, 38} , LP1050DC-E ^{12, 35, 38} , LP8000-EMC ^{12, 16, 18} , LP9002-E (LP9002L-E) ^{12, 16} , LP9802-E ^{10, 12, 13} , LP9802DC-E ^{6, 10, 12, 13} , LP982-E ^{10, 12, 13, 14} ; IBM: 19K1246(QLA2310) ^{3, 4, 5} , 24P0960(QLA2340) ^{4, 5, 9} ; QLogic: QLA2340-E-SP ^{5, 8} , QLA2342-E-SP ^{5, 8}	FC-AL, FC-SW	Y
29	eServer BladeCenter HS20 (Model: 8678) ²² , 8832) ²²	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{26, 37}	FC-AL, FC-SW	Y
30	xSeries x440 ¹¹	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹ , Server SP2 ^{1,2} , Server SP3 ^{1,2} , Server SP4 ¹	Emulex: LP8000-EMC ^{12, 16, 18} , LP9002-E (LP9002L-E) ^{12, 16} , LP9802-E ^{10, 12, 13} , LP9802DC-E ^{6, 10, 12, 13} , LP982-E ^{10, 12, 13, 14} ; IBM 24P0960(QLA2340) ^{4, 5, 9} ; QLogic: QLA2340-E-SP ^{5, 8} , QLA2342-E-SP ^{5, 8}	FC-AL, FC-SW	Y

IBM – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
31	xSeries x440 ¹¹	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	IBM 00N6881 (QLA2200) ^{29, 31, 32}	FC-AL, FC-SW	Y
32	xSeries: x235 ¹¹ , x360 ¹¹	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	IBM 00N6881 (QLA2200) ^{29, 31, 32}	FC-AL, FC-SW	Y
33	xSeries x440	PCI-X	Microsoft Windows 2000 Datacenter: SP3 ^{1, 2} , SP4 ¹	QLogic QLA2342-E-SP ^{4, 5}	FC-AL, FC-SW	Y
34	xSeries x445	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{12, 34, 35} , LP10000DC-E ^{12, 34, 35} , LP1050-E ^{12, 35, 38} , LP1050DC-E ^{12, 35, 38} , LP8000-EMC ^{12, 16, 18, 27} , LP9002-E (LP9002L-E) ^{6, 12, 16} , LP9802-E ^{10, 12, 13, 14} , LP9802DC-E ^{6, 10, 12, 13} , LP982-E ^{10, 12, 13, 14} ; IBM: 19K1246(QLA2310) ^{3, 4, 5} , 24P0960(QLA2340) ^{4, 5, 9} ; QLogic: QLA2340-E-SP ^{5, 8} , QLA2342-E-SP ^{5, 8}	FC-AL, FC-SW	Y
35	xSeries x345 ¹¹	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{12, 34, 35} , LP10000DC-E ^{12, 34, 35} , LP1050-E ^{12, 35, 38} , LP1050DC-E ^{12, 35, 38} , LP8000-EMC ^{12, 16, 18} , LP9002-E (LP9002L-E) ^{12, 16} , LP9802-E ^{10, 12, 13} , LP9802DC-E ^{6, 10, 12, 13} , LP982-E ^{10, 12, 13, 14} ; IBM: 19K1246(QLA2310) ^{3, 4, 5} , 24P0960(QLA2340) ^{4, 5, 9} ; QLogic: QLA2340-E-SP ^{5, 8} , QLA2342-E-SP ^{5, 8}	FC-AL, FC-SW	Y
36	xSeries x440 ¹¹	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2300F-E-SP ^{4, 6, 28}	FC-AL, FC-SW	Y
37	xSeries: x345 ¹¹ , x445	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	IBM 00N6881 (QLA2200) ^{29, 31, 32}	FC-AL, FC-SW	Y
38	Netfinity 8500R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	QLogic QLA2310F-E-SP ^{5, 6}	FC-AL ⁷ , FC-SW	Y
39	Netfinity 8500	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	QLogic QLA2310F-E-SP ^{5, 6, 19}	FC-AL ⁷ , FC-SW	Y
40	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²¹ , 7100, 7600; xSeries: X330 ¹¹ , X335, X340 (4500R) ¹¹ , X342 ¹¹ , x230, x232 ¹¹ , x240 ¹¹ , x250 ¹¹ , x255 ¹¹ , x350 (6000R) ¹¹	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ^{5, 19}	FC-AL ⁷ , FC-SW	Y
41	Netfinity 6000R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ^{5, 6}	FC-AL ⁷ , FC-SW	Y
42	xSeries x370 ¹¹	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000: Datacenter SP4 ¹ , Server SP2 ^{1, 2} , Server SP3 ^{1, 2} , Server SP4 ¹	QLogic QLA2310F-E-SP ^{5, 19}	FC-AL ⁷ , FC-SW	Y
43	xSeries x370	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2}	QLogic QLA2310F-E-SP ^{5, 19}	FC-AL ⁷ , FC-SW	Y
44	Netfinity 8500R	PCI	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2} ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ⁵	FC-AL ⁷ , FC-SW	Y
45	Netfinity 8500	PCI	Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ^{5, 19}	FC-AL ⁷ , FC-SW	Y
46	xSeries: x235 ¹¹ , x360 ¹¹	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ^{5, 19}	FC-AL ⁷ , FC-SW	Y

IBM – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
47	xSeries x440 ¹¹	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹ , Server SP2 ^{1, 2} , Server SP3 ^{1, 2} , Server SP4 ¹	QLogic QLA2310F-E-SP ^{5, 19}	FC-AL ⁷ , FC-SW ⁷	Y
48	xSeries x440 ¹¹	PCI-X	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2}	QLogic QLA2310F-E-SP ⁵	FC-AL ⁷ , FC-SW ⁷	Y
49	xSeries: x345 ¹¹ , x445	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ^{5, 19}	FC-AL ⁷ , FC-SW ⁷	Y
50	eServer BladeCenter HS20 (Model: 8678) ²² , 8832 ²²	PCI-X	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{24, 25} , 02R9080 ^{5, 23, 24, 25, 26}	FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- This HBA is equivalent to the qLogic QLA2310.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 8.2.3.21.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supported by direct attach only
- PowerPath supported. ATF/CDE not supported.
- This HBA is equivalent to the qLogic QLA2340.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- For IBM xSeries Servers running Windows NT and Windows 2000 with IBM ServerRaid controller 4M, the ServerRaid Driver must be 6.00 or above for use with EMC PowerPath 3.0 and above. IBM driver can be downloaded at: <http://www-3.ibm.com/pc/support/site.wss/document.do?Indocid=MIGR-39723>
- Driver Version 2.21a7.
- Firmware Version 1.01a2.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- If using ATF/CDE, requires 2.0.9 or greater.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- If using ATF/CDE, requires 2.1.6 or greater.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- This server only supports 5 Volt HBAs: qLogic 22XX family, qLogic 23XX family, Emulex LP8000, and Emulex LP850
- EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
- Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Due to the HS20's embedded FC-SW design, EMC Access Logix is required to assign LUNS to each individual blade server.
 - Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
 - Driver Version 8.2.1.20.
 - Driver Version 8.1.5.20.
 - For IBM Netfinity and xSeries Intel servers only.
 - (QLA2200) For IBM xSeries and Netfinity servers only.
 - Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
 - Firmware Version 3.90a7.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
 - Firmware Version 1.80a3.
 - Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)
 - Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.

NCR

NCR – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Worldmark 45xx	MCA	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{5, 15, 16} , LP10000DC-E ^{5, 15, 16} , LP1050-E ^{5, 16, 17} , LP1050DC-E ^{5, 16, 17} , LP8000-EMC ^{5, 12, 13} , LP9002-E (LP9002L-E) ^{5, 12} , LP9802-E ^{4, 5, 6} , LP9802DC-E ^{3, 4, 5, 6} , LP982-E ^{4, 5, 6, 11} ; QLogic: QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y
2	Worldmark 45xx	MCA	Microsoft Windows 2000 Advanced Server: SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP8000-EMC ^{5, 12, 13, 14} , LP9002-E (LP9002L-E) ^{5, 12, 14}	FC-AL, FC-SW	Y
3	Worldmark: 4500, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{5, 15, 16} , LP10000DC-E ^{5, 15, 16} , LP1050-E ^{5, 16, 17} , LP1050DC-E ^{5, 16, 17} , LP8000-EMC ^{5, 12, 13} , LP9002-E (LP9002L-E) ^{5, 12} , LP9802-E ^{4, 5, 6} , LP9802DC-E ^{3, 4, 5, 6} , LP982-E ^{4, 5, 6, 11} ; QLogic: QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y

NCR – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
4	Worldmark: 4500, 4700, 47XX, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP8000-EMC ^{5, 12, 13, 14} , LP9002-E (LP9002L-E) ^{5, 12, 14}	FC-AL, FC-SW	Y
5	Worldmark 45xx	MCA	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ^{8, 10}	FC-AL ⁹ , FC-SW	Y
6	Worldmark: 4500, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ^{8, 10}	FC-AL ⁹ , FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Driver Version 2.21a7.
- Firmware Version 1.01a2.
- PowerPath supported. ATF/CDE not supported.
- Driver Version 8.2.3.21.
- Supported by direct attach only
- If using ATF/CDE, requires 2.1.6 or greater.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Firmware Version 3.90a7.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 1.80a3.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.

NE

NE – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	P7000	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex LP8000-EMC ^{7, 8, 9} , QLogic: QLA2340-E-SP ^{3, 4} , QLA2342-E-SP ^{3, 4}	FC-AL, FC-SW	Y
2	P7000	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ^{4, 5}	FC-AL ⁶ , FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- PowerPath supported. ATF/CDE not supported.
- Driver Version 8.2.3.21.
- If using ATF/CDE, requires 2.1.6 or greater.
- Supported by direct attach only
- Driver Version 2.21a7.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.

NEC

NEC – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800 320Mc-R	PCI	Microsoft Windows 2000 Advanced Server SP3 ^{1, 2, 3}	QLogic QLA2310F-E-SP ^{4, 6}	FC-AL, FC-SW	N
2	Express 5800: 320La-R ⁵ , 320La ⁵ , 320Lb-R ⁵ , 320Lb ⁵ , 330Ma-R ⁵ , 330Mb-R ⁵ , 340Ha-R ⁵	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2, 3} , SP3 ^{1, 2, 3}	QLogic QLA2310F-E-SP ^{4, 6}	FC-AL, FC-SW	N
3	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹	NEC: N8190-105 ^{8, 9, 12} , N8503-200 ^{8, 9}	FC-AL, FC-SW	Y
4	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹	Emulex: LP10000-E ^{9, 12, 22} , LP10000DC-E ^{9, 12, 22} , LP1050-E ^{9, 22, 23} , LP1050DC-E ^{9, 22, 23} , LP8000-EMC ^{9, 18, 21} , LP9002-E (LP9002L-E) ^{9, 10, 11, 17, 18} , LP9802-E ^{9, 10, 19, 20} , LP9802DC-E ^{9, 11, 19, 20} , LP982-E ^{9, 10, 19, 20} , NEC: N8103-200 ^{7, 8, 9, 12} , N8190-105 ^{8, 9, 10, 11, 12} , N8503-200 ^{7, 8, 9} , QLogic: QLA2300F-E-SP ^{11, 15} , QLA2340-E-SP ^{6, 11} , QLA2342-E-SP ^{6, 11}	FC-AL, FC-SW	Y
5	Express 5800 140Ra-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹	Emulex: LP10000-E ^{9, 12, 22} , LP10000DC-E ^{9, 12, 22} , LP1050-E ^{9, 22, 23} , LP1050DC-E ^{9, 22, 23} , LP8000-EMC ^{9, 18, 21} , LP9002-E (LP9002L-E) ^{9, 10, 11, 17, 18} , LP9802-E ^{9, 10, 19, 20} , LP9802DC-E ^{9, 11, 19, 20} , LP982-E ^{9, 10, 19, 20} , NEC: N8103-200 ^{8, 9, 12} , N8190-105 ^{8, 9, 10, 11, 12} , N8503-200 ^{7, 8, 9} , QLogic: QLA2300F-E-SP ^{11, 15} , QLA2340-E-SP ^{6, 11} , QLA2342-E-SP ^{6, 11}	FC-AL, FC-SW	Y
6	Express 5800: 120Md, 120Ra-2, 120Rc-2, 140Ha, 140Hb, 140Ma, 140Ra-7, 180Ha	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ¹	Emulex: LP10000-E ^{9, 12, 22} , LP10000DC-E ^{9, 12, 22} , LP1050-E ^{9, 22, 23} , LP1050DC-E ^{9, 22, 23} , LP8000-EMC ^{9, 18, 21} , LP9002-E (LP9002L-E) ^{9, 10, 11, 17, 18} , LP9802-E ^{9, 10, 19, 20} , LP9802DC-E ^{9, 11, 19, 20} , LP982-E ^{9, 10, 19, 20} , NEC: N8190-105 ^{8, 9, 10, 11, 12} , N8503-200 ^{7, 8, 9} , QLogic: QLA2300F-E-SP ^{11, 15} , QLA2340-E-SP ^{6, 11} , QLA2342-E-SP ^{6, 11}	FC-AL, FC-SW	Y

NEC – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
7	Express 5800: 120Rd-1, 120Rd-2, 120Rf-2, 140Hd, 140Rb-4, 140Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹	Emulex: LP8000-EMC ^{9,18,21} , LP9002-E (LP9002L-E) ^{9,10,11,17,18} , LP982-E ^{9,19,20} ; NEC: N8103-2007 ^{7,8,9,12} , N8190-1058 ^{9,10,11,12} , N8503-2007 ^{7,8,9}	FC-AL, FC-SW	Y
8	Express 5800 180Rb-7	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹	Emulex: LP8000-EMC ^{9,18,21} , LP9002-E (LP9002L-E) ^{9,10,11,17,18} , LP982-E ^{9,19,20} ; NEC: N8190-1058 ^{9,10,11,12} , N8503-2007 ^{7,8,9}	FC-AL, FC-SW	Y
9	Express 5800 320Mc-R	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ^{1,2,3} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8803-031 (QLA2310F) ^{4,14,24}	FC-AL, FC-SW	N
10	Express 5800: 320La-R ⁵ , 320La ⁵ , 320Lb-R ⁵ , 320Lb ⁵ , 330Ma-R ⁵ , 330Mb-R ⁵ , 340Ha-R ⁵	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ^{1,3} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8803-031 (QLA2310F) ^{4,6,11,13,14}	FC-AL, FC-SW	N
11	Express 5800: 120Rd-2, 140Rb-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8103-2007 ⁹	FC-AL, FC-SW	Y
12	Express 5800: 120Md, 120Ra-2, 120Rc-2, 140Ha, 140Hb, 140Ma, 140Ra-7, 180Ha, 180Rb-7	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8103-2008 ^{8,9,12}	FC-AL, FC-SW	Y
13	Express 5800 140Ra-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC N8103-2009	FC-AL, FC-SW	Y
14	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ¹ , SP3 ¹ , SP4 ¹	NEC: N8103-2007 ⁹ , N8103-2008 ^{8,9,12}	FC-AL, FC-SW	Y
15	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , SP4 ¹ ; Microsoft Windows 2000 Server: SP3 ¹ , SP4 ¹	NEC N8103-2007 ⁹	FC-AL, FC-SW	Y
16	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server SP2 ¹ , Server SP2 ¹	NEC N8103-2009	FC-AL, FC-SW	Y
17	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server SP2 ^{1,3}	QLogic QLA2310F-E-SP ^{4,6,13}	FC-AL ¹⁶	Y
18	Express 5800 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP3 ^{1,3} , SP4 ¹	QLogic QLA2310F-E-SP ^{4,6}	FC-AL ¹⁶	Y
19	Express 5800: 120Md, 120Ra-2, 120Rc-2, 140Ha, 140Hb, 140Ma, 140Ra-4, 140Ra-7, 180Ha, 180Rc-4	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ¹	QLogic QLA2310F-E-SP ^{6,11}	FC-AL ¹⁶ , FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Refer to the Stratus, Bull or NEC documentation for hardware, software and non-storage related setup and configuration.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- Qlogic SANSurfer/SANBlade Manager is not supported.
- Bus Enumeration Issue Causes Problems using SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.

By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.

The workaround is to perform "symcfg discover" after rebooting.

6. Driver Version 8.2.3.21.

7. Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.

NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.

8. Firmware Version 3.90a7.

9. Driver Version 2.21a7.

10. The Emulex LP9xxx HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.

11. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).

12. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.

13. Qlogic SanBlade Manager is not supported.

14. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.

15. Driver Version 8.2.1.20.

16. Supported by direct attach only
17. The LP9002-E now ships with the LP9002L-E low profile adapter.
18. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
19. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
20. Firmware Version 1.01a2.
21. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
22. Firmware Version 1.80a3.
23. **Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**
24. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.

SUPERMICRO

SUPERMICRO – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Super: P3TDL3 ⁷ , S2DL3 ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{6, 15, 16} , LP10000DC-E ^{6, 15, 16} , LP1050-E ^{6, 16, 17} , LP1050DC-E ^{6, 16, 17} , LP8000-EMC ^{6, 13, 14} , LP9002-E (LP9002L-E) ^{6, 12, 13} , LP9802-E ^{3, 4, 5, 6} , LP9802DC-E ^{3, 4, 5, 6} , LP982-E ^{3, 4, 5, 6, 12} ; QLogic: QLA2340-E-SP ^{8, 9} , QLA2342-E-SP ^{8, 9}	FC-AL, FC-SW	Y
2	Super: P3TDL3 ⁷ , S2DL3 ⁷	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ^{8, 10}	FC-AL ¹¹ , FC-SW	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. **Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
3. QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
4. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
5. Firmware Version 1.01a2.
6. Driver Version 2.21a7.
7. 64-bit slots for 3.3v HBAs only.
8. Driver Version 8.2.3.21.
9. PowerPath supported. ATF/CDE not supported.
10. If using ATF/CDE, requires 2.1.6 or greater.
11. Supported by direct attach only
12. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
13. Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
14. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
15. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
16. Firmware Version 1.80a3.
17. **Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

Stratus

Stratus – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	ftServer 6500 ^{6, 12, 17, 18, 19}	PCI	Microsoft Windows 2000 Advanced Server SP3 ^{1, 2} , 3	QLogic QLA2310F-E-SP ^{4, 9}	FC-AL, FC-SW	N
2	ftServer: 3210 ^{6, 10, 11, 12, 13} , 3220 ^{6, 10, 11, 12, 13} , 3300 ^{12, 14} , 15, 16, 5200 ^{5, 6, 7, 8}	PCI	Microsoft Windows 2000 Advanced Server: SP2 ¹ , 2, 3, SP3 ^{1, 2, 3} , SP4 ¹	QLogic QLA2310F-E-SP ^{4, 9}	FC-AL, FC-SW	N
3	ftServer: 5240 ^{6, 12, 17, 18, 19} , 5600 ^{12, 20} , 6600 ^{12, 20}	PCI	Microsoft Windows 2000 Advanced Server: SP3 ¹ , 2, 3, SP4 ¹	QLogic QLA2310F-E-SP ^{4, 9}	FC-AL, FC-SW	N

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. **Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
3. Refer to the Stratus, Bull or NEC documentation for hardware, software and non-storage related setup and configuration.
4. QLogic SANSurfer/SANBlade Manager is not supported.
5. Supports Stratus OS 1.2.2.X through 1.4.X.
6. Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
7. Requires PowerPath 3.0.2.
8. Requires Stratus ftServer OS 1.4.x.
9. Driver Version 8.2.3.21.
10. Supports Stratus OS 1.2.2.X through 2.1.X.
11. Requires Stratus ftServer OS 1.4.x or greater.
12. ftServer OS 2.1.x requires PowerPath 3.0.5 or greater.
13. ftServer OS 1.4.x requires PowerPath 3.0.2.
14. Supports Stratus OS 2.0.X through 2.1.X.
15. Requires Stratus ftServer OS 2.0.x or greater.
16. ftServer OS 2.0.x requires PowerPath 3.0.2.
17. Supports Stratus OS 1.3.X through 2.1.X.
18. ftServer OS 1.4 requires PowerPath 3.0.2.
19. Requires Stratus ftServer OS 1.4.x or 2.1.x.
20. Requires Stratus ftServer OS 2.1.x.

Unisys

Unisys – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Libra Model: 180 ^{18, 19} , 185	Mainframe Bus, PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Unisys: FCH720111-P64 (LP8000-D1) ^{5, 11} , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{5, 11}	FC-AL, FC-SW	Y
2	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server SP2 ^{1, 2}	Emulex: LP9802-E ^{5, 6} , LP9802DC-E ^{3, 5, 6} , LP982-E ^{5, 6}	FC-AL, FC-SW	Y
3	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server SP2 ^{1, 2}	Emulex: LP9802-E ^{5, 6} , LP9802DC-E ^{3, 5, 6} , LP982-E ^{5, 6, 8}	FC-AL, FC-SW	Y
4	ES7000/100	PCI	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP8000-EMC ^{5, 11, 12} , LP9002-E (LP9002L-E) ^{5, 10, 11}	FC-AL, FC-SW	Y

Unisys – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
5	ES7000/100	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter SP4 ¹	Emulex LP982-E ^{5, 6, 8} , QLLogic: QLA2340-E-SP ^{3, 7} , QLA2342-E-SP ^{3, 7}	FC-AL, FC-SW	Y
6	ES7000/100; ES7000/550	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2^{1, 2, 13}, SP3^{1, 2} , SP4 ¹	Unisys FCH732213-P64 (LP9002L-F2) ^{5, 11, 16}	FC-AL, FC-SW	Y
7	ES7000/100	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2^{1, 2, 13}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{5, 15, 20} , LP10000DC-E ^{5, 15, 20} , LP1050-E ^{5, 20, 22} , LP1050DC-E ^{5, 20, 22}	FC-AL, FC-SW	Y
8	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2^{1, 2, 13}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{5, 15, 20} , LP10000DC-E ^{5, 15, 20} , LP1050-E ^{5, 20, 22} , LP1050DC-E ^{5, 20, 22} , LP8000-EMC ^{5, 11, 12} ; Unisys FCH732213-P64 (LP9002L-F2) ^{5, 11, 16}	FC-AL, FC-SW	Y
9	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2^{1, 2, 13}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{5, 15, 20} , LP10000DC-E ^{5, 15, 20} , LP1050-E ^{5, 20, 22} , LP1050DC-E ^{5, 20, 22} ; Unisys FCH732213-P64 (LP9002L-F2) ^{5, 11, 16}	FC-AL, FC-SW	Y
10	ES7000/100	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹	Emulex: LP9802-E ^{5, 6} , LP9802DC-E ^{3, 5, 6}	FC-AL, FC-SW	Y
11	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server SP2^{1, 2}	QLLogic: QLA2340-E-SP ^{3, 7} , QLA2342-E-SP ^{3, 7}	FC-AL, FC-SW	Y
12	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹	Emulex: LP10000-E ^{5, 15, 20} , LP10000DC-E ^{5, 15, 20} , LP1050-E ^{5, 20, 22} , LP1050DC-E ^{5, 20, 22} ; Unisys FCH732213-P64 (LP9002L-F2) ^{5, 11, 16}	FC-AL, FC-SW	Y
13	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹	QLLogic QLA2340-E-SP ^{3, 7}	FC-AL, FC-SW	Y
14	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹	QLLogic QLA2342-E-SP ^{3, 7}	FC-AL, FC-SW	Y
15	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server SP2^{1, 2}	Emulex: LP8000-EMC ^{5, 11, 12} , LP9002-E (LP9002L-E) ^{5, 10, 11}	FC-AL, FC-SW	Y
16	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{5, 10, 11}	FC-AL, FC-SW	Y
17	ES2023; ES2024; ES2025; ES2043; ES2044; ES2045; ES2085; ES5024; ES5043; ES5044; ES5045; ES5085	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹	Unisys: FCH720111-P64 (LP8000-D1) ^{5, 11} , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{5, 11, 16}	FC-AL, FC-SW	Y
18	ES7000/200; ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2^{1, 2}, SP3^{1, 2} , SP4 ¹	Emulex: LP9802-E ^{4, 5, 6} , LP9802DC-E ^{3, 4, 5, 6} , LP982-E ^{4, 5, 6, 8}	FC-AL, FC-SW	Y

Unisys – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
19	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP3^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2^{1,2} , SP3^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2^{1,2} , SP3^{1,2} , SP4 ¹	Emulex: LP9802DC-E ^{3,4,5,6} , LP982-E ^{4,5,6,8}	FC-AL, FC-SW	Y
20	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP3^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server SP2^{1,2}	Emulex: LP8000-EMC ^{5,11,12} , LP9002-E (LP9002L-E) ^{5,10,11} ; QLogic: QLA2340-E-SP ^{3,7} , QLA2342-E-SP ^{3,7}	FC-AL, FC-SW	Y
21	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP3^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2^{1,2} , SP3^{1,2} , SP4 ¹	Emulex LP9802-E ^{4,5,6}	FC-AL, FC-SW	Y
22	ES7000/230	PCI	Microsoft Windows 2000 Datacenter SP3^{1,2}	QLogic QLA2342-E-SP ^{3,7,17}	FC-AL, FC-SW	Y
23	ES7000/100	PCI	Microsoft Windows 2000 Datacenter SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{5,8,10,11,15}	FC-AL, FC-SW	Y
24	ES7000/100	PCI	Microsoft Windows 2000 Datacenter: SP2^{1,2,13} , SP3^{1,2}	Emulex LP9002-E (LP9002L-E) ^{5,8,11,15}	FC-AL, FC-SW	Y
25	ES7000/230	PCI	Microsoft Windows 2000 Datacenter: SP2^{1,2,13} , SP3^{1,2} , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{5,8,10,11}	FC-AL, FC-SW	Y
26	ES7000/200	PCI	Microsoft Windows 2000 Datacenter: SP2^{1,2,13} , SP3^{1,2} , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{5,8,10,11,15}	FC-AL, FC-SW	Y
27	ES7000/100; ES7000/200	PCI	Microsoft Windows 2000 Datacenter: SP2^{1,2,13} , SP3^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP3^{1,2} , SP4 ¹	Emulex LP8000-EMC ^{5,11,12,15}	FC-AL, FC-SW	Y
28	ES7000/100	PCI	Microsoft Windows 2000 Datacenter: SP2^{1,2} , SP3^{1,2}	Emulex LP982-E ^{5,6}	FC-AL, FC-SW	Y
29	ES7000/100	PCI	Microsoft Windows 2000 Datacenter: SP2^{1,2} , SP3^{1,2} ; Microsoft Windows 2000 Server: SP3^{1,2} , SP4 ¹	QLogic: QLA2340-E-SP ^{7,17} , QLA2342-E-SP ^{7,17}	FC-AL, FC-SW	Y
30	ES7000/230	PCI	Microsoft Windows 2000 Datacenter: SP2^{1,2} , SP3^{1,2} , SP4 ¹	Emulex LP9802-E ^{4,5,6,8}	FC-AL, FC-SW	Y
31	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Datacenter: SP2^{1,2} , SP3^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP3^{1,2} , SP4 ¹	Emulex: LP8000-EMC ^{5,11,12,15} , LP9002-E (LP9002L-E) ^{5,10,11,15} ; QLogic: QLA2340-E-SP ^{3,7,17} , QLA2342-E-SP ^{3,7,17}	FC-AL, FC-SW	Y
32	ES7000/100	PCI	Microsoft Windows 2000 Server: SP3^{1,2} , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{5,11,15} ; QLogic QLA2310F-E-SP ^{7,17}	FC-AL, FC-SW	Y
33	ES7000/200	PCI	Microsoft Windows 2000 Server: SP3^{1,2} , SP4 ¹	Emulex LP9002-E (LP9002L-E) ^{5,10,11,15} ; QLogic: QLA2340-E-SP ^{3,7,17} , QLA2342-E-SP ^{3,7,17}	FC-AL, FC-SW	Y
34	ES3000	PCI, PCI-X	Microsoft Windows 2000 Advanced Server: SP2^{1,2} , SP3^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Professional: SP1 ¹ , SP2 ¹ ; Microsoft Windows 2000 Server: SP2^{1,2} , SP3^{1,2} , SP4 ¹	Unisys: FCH732213-P64 (LP9002L-F) ^{5,11} , FCH742313-P64 (LP9802) ^{6,21}	FC-AL, FC-SW	Y
35	ES7000/100	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1,2} , SP3^{1,2} , SP4 ¹	QLogic QLA2310F-E-SP ^{3,7}	FC-AL ⁹ , FC-SW	Y
36	ES7000/230	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1,2} , SP3^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2^{1,2} , SP3^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2^{1,2} , SP3^{1,2} , SP4 ¹	QLogic QLA2310F-E-SP ^{3,7}	FC-AL ⁹ , FC-SW	Y
37	ES7000/200	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1,2} , SP3^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server SP2^{1,2}	QLogic QLA2310F-E-SP ^{3,7}	FC-AL ⁹ , FC-SW	Y
38	ES7000/100; ES7000/200; ES7000/230; ES7000/550	PCI	Microsoft Windows 2000 Advanced Server: SP2^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2^{1,2} , SP3^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2^{1,2} , SP3^{1,2} , SP4 ¹	Unisys: FCH720111-P64 (LP8000-D1) ^{5,11} , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{5,11,16}	FC-AL ⁹ , FC-SW	Y
39	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Advanced Server: SP3^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server SP2^{1,2}	QLogic QLA2310F-E-SP ^{3,7}	FC-AL ⁹ , FC-SW	Y
40	ES7000/100	PCI	Microsoft Windows 2000 Datacenter SP4 ¹	QLogic QLA2310F-E-SP ^{3,7,14}	FC-AL ⁹ , FC-SW	Y
41	ES7000/100	PCI	Microsoft Windows 2000 Datacenter: SP2^{1,2,13} , SP3^{1,2}	QLogic QLA2310F-E-SP ^{7,14}	FC-AL ⁹ , FC-SW	Y
42	ES7000/200	PCI	Microsoft Windows 2000 Datacenter: SP2^{1,2,13} , SP3^{1,2} , SP4 ¹	QLogic QLA2310F-E-SP ^{3,7,14}	FC-AL ⁹ , FC-SW	Y
43	ES7000/510; ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2000 Datacenter: SP2^{1,2} , SP3^{1,2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP3^{1,2} , SP4 ¹	QLogic QLA2310F-E-SP ^{3,7,17}	FC-AL ⁹ , FC-SW	Y

Unisys – Microsoft Windows 2000						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
44	ES7000/200	PCI	Microsoft Windows 2000 Server: SP3 ^{1, 2} , SP4 ¹	QLogic QLA2310F-E-SP ^{3, 7, 17}	FC-AL ⁹ , FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
 - Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
 - QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
 - Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
 - Driver Version 2.21a7.
 - Firmware Version 1.01a2.
 - Driver Version 8.2.3.21.
 - The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
 - Supported by direct attach only
 - The LP9002-E now ships with the LP9002L-E low profile adapter.
 - Firmware Version 3.90a7.
 - The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
 - PowerPath not supported. ATF is supported only using Emulex 5-2.11a2 driver.
 - If using ATF/CDE, requires 2.1.6 or greater.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
 - Supports Boot BIOS 1.63a2. Emulex drivers are available at <http://www.emulex.com>. For Unisys servers, use driver available at <http://www.support.unisys.com>. Supports SNIA HBA API.
- NOTE: LP8000/850 HBAs without -EMC label must have minimum rev. dragonfly 2.0 of the Emulex ASIC.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
 - Hardware and adapters similar to Unisys ES7000-100, ES7000-200.
 - The Libra 18x includes native MCP, and Virtual Machine for MCP (Windows MCPvm) partitions
 - Firmware Version 1.80a3.
 - Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.**

Microsoft Windows 2003

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

Bull

Bull – Microsoft Windows 2003						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800: 320Lb, 320Lb-R, 330Mb-R ^{11, 12} , 340Ha-R	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁷ , Standard Edition (Server) ⁷	QLogic QLA2310F-E-SP ^{8, 9, 10}	FC-AL, FC-SW	N
2	NovaScale: 4020 (Itanium2), 4040 (Itanium2), 5080 (Itanium2), 5160 (Itanium2)	PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex LP9802-E ¹ , 2, 3, 4, 5, 6	FC-AL, FC-SW	N

- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- PowerPath requires driver 1.01x1 with Firmware 1.01A2 and StorPORT fix Q823728
- Driver Version Emulex StorPORT driver v1.01x1.
- Driver Version Emulex SCSI port driver v2.21a7.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- QLogic SANSurfer/SANBlade Manager is not supported.
- Supports Stratus OS 1.3.X through 2.1.X.
- Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.

Dell

Dell – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge: 1550, 2450, 2500, 2550 ¹² , 6400, 6450, 8450; PowerVault: 770N, 775N	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ , Standard Edition (Server) ⁶	Emulex: LP10000-E ^{5, 7, 8} , LP10000DC-E ^{5, 7, 8} , LP1050-E ^{5, 7, 8} , LP1050DC-E ^{5, 7, 8} , LP8000-EMC ^{7, 8, 10, 11} , LP9002-E (LP9002L-E) ^{7, 8, 11} , LP9802-E ^{2, 7, 8} , LP9802DC-E ^{2, 7, 8} , LP982-E ^{2, 7, 8} ; QLogic: QLA2310F-E-SP ^{4, 9} , QLA2340-E-SP ^{4, 9} , QLA2342-E-SP ^{4, 9}	FC-AL, FC-SW	Y	
2	PowerEdge 3250 (Itanium 2)	PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP10000-E ^{3, 5} , LP10000DC-E ^{3, 5} , LP1050-E ^{3, 5} , LP1050DC-E ^{3, 5} , LP9802-E ^{2, 3} , LP9802DC-E ^{2, 3} , LP982-E ^{2, 3} ; QLogic: QLA2340-E-SP ⁴ , QLA2342-E-SP ⁴	FC-AL, FC-SW	N	See ¹
3	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6600, 6650	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ , Standard Edition (Server) ⁶	Emulex: LP10000-E ^{5, 7, 8} , LP10000DC-E ^{5, 7, 8} , LP1050-E ^{5, 7, 8} , LP1050DC-E ^{5, 7, 8} , LP8000-EMC ^{7, 8, 10, 11} , LP9002-E (LP9002L-E) ^{7, 8, 11} , LP9802-E ^{2, 7, 8} , LP9802DC-E ^{2, 7, 8} , LP982-E ^{2, 7, 8} ; QLogic: QLA2310F-E-SP ^{4, 9} , QLA2340-E-SP ^{4, 9} , QLA2342-E-SP ^{4, 9}	FC-AL, FC-SW	Y	

- No EMC Layered Applications supported on IA64 server platforms
- Firmware Version 1.01a2.
- Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Firmware Version 1.80a3.

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Firmware Version 3.90a7.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.

HPQ

HPQ – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Proliant 7000 ^{9, 15}	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ , Standard Edition (Server) ⁸	Emulex LP9002-E (LP9002L-E) ^{5, 10, 11} ; HPQ FCA2101 (LP952) ^{11, 16, 17, 18}	FC-AL, FC-SW	Y	
2	Proliant: 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ⁹	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ , Standard Edition (Server) ⁸	Emulex: LP10000-E ^{10, 11, 14} , LP10000DC-E ^{10, 11, 14} , LP1050-E ^{10, 11, 14} , LP1050DC-E ^{10, 11, 14} , LP8000-EMC ^{4, 5, 10, 11} , LP9002-E (LP9002L-E) ^{5, 10, 11} , LP9802-E ^{3, 10, 11} , LP9802DC-E ^{3, 10, 11} , LP982-E ^{3, 10, 11} ; HPQ: A7298A (LP982) ^{3, 10, 11} , DS-KGPSA-CA (LP8000) ^{5, 10, 11} , DS-KGPSA-CB (LP8000) ^{5, 10, 11} , DS-KGPSA-CY (LP8000) ^{5, 10, 11} , FCA2101 (LP952) ^{11, 16, 17, 18} , FCA2214 (QLA2340) ^{7, 12} , FCA2214DC (QLA2342) ^{7, 12} , FCA2384 (LP9802) ^{3, 10, 11} , FCA2404 (LP9802) ^{3, 10, 11} , FCA2404DC (LP9802DC) ^{3, 10, 11} , FCA2408 (LP982) ^{3, 10, 11} ; QLogic: QLA2310F-E-SP ^{7, 12} , QLA2340-E-SP ^{7, 12} , QLA2342-E-SP ^{7, 12}	FC-AL, FC-SW	Y	
3	Proliant 3000 ⁹	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ , Standard Edition (Server) ⁸	Emulex: LP8000-EMC ^{4, 5, 10, 11} , LP9002-E (LP9002L-E) ^{5, 10, 11} ; HPQ: DS-KGPSA-CA (LP8000) ^{5, 10, 11} , DS-KGPSA-CB (LP8000) ^{5, 10, 11} , DS-KGPSA-CY (LP8000) ^{5, 10, 11} , FCA2101 (LP952) ^{11, 16, 17, 18}	FC-AL, FC-SW	Y	
4	Proliant 6500 ^{9, 15}	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ , Standard Edition (Server) ⁸	Emulex: LP8000-EMC ^{4, 5, 10, 11} , LP9002-E (LP9002L-E) ^{5, 10, 11} ; HPQ: DS-KGPSA-CA (LP8000) ^{5, 10, 11} , DS-KGPSA-CB (LP8000) ^{5, 10, 11} , DS-KGPSA-CY (LP8000) ^{5, 10, 11} , FCA2101 (LP952) ^{11, 16, 17, 18} , FCA2214 (QLA2340) ^{7, 12} , FCA2214DC (QLA2342) ^{7, 12} ; QLogic: QLA2310F-E-SP ^{7, 12} , QLA2340-E-SP ^{7, 12} , QLA2342-E-SP ^{7, 12}	FC-AL, FC-SW	Y	
5	Proliant: BL40p, DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ , Standard Edition (Server) ⁸	Emulex: LP10000-E ^{10, 11, 14} , LP10000DC-E ^{10, 11, 14} , LP1050-E ^{10, 11, 14} , LP1050DC-E ^{10, 11, 14} , LP8000-EMC ^{4, 5, 10, 11} , LP9002-E (LP9002L-E) ^{5, 10, 11} , LP9802-E ^{3, 10, 11} , LP9802DC-E ^{3, 10, 11} , LP982-E ^{3, 10, 11} ; HPQ: A7298A (LP982) ^{3, 10, 11} , DS-KGPSA-CA (LP8000) ^{5, 10, 11} , DS-KGPSA-CB (LP8000) ^{5, 10, 11} , DS-KGPSA-CY (LP8000) ^{5, 10, 11} , FCA2101 (LP952) ^{11, 16, 17, 18} , FCA2214 (QLA2340) ^{7, 12} , FCA2214DC (QLA2342) ^{7, 12} , FCA2384 (LP9802) ^{3, 10, 11} , FCA2404 (LP9802) ^{3, 10, 11} , FCA2404DC (LP9802DC) ^{3, 10, 11} , FCA2408 (LP982) ^{3, 10, 11} ; QLogic: QLA2310F-E-SP ^{7, 12} , QLA2340-E-SP ^{7, 12} , QLA2342-E-SP ^{7, 12}	FC-AL, FC-SW	Y	
6	Proliant BL20p (G2)	PCI-X ¹	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ , Standard Edition (Server) ⁸	HPQ Dual-port mezzanine controller card ^{7, 12}	FC-AL, FC-SW	Y	
7	Integrity: RX2600 (Itanium2), RX5670 (Itanium2)	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP10000-E ² , LP10000DC-E ² , LP1050-E ² , LP1050DC-E ² , LP8000-EMC ^{2, 4, 5} , LP9002-E (LP9002L-E) ^{5, 6} , LP9002DC-E ^{2, 5} , LP9802-E ² , LP9802DC-E ² , LP982-E ² ; HPQ AB232A (LP9802) ^{2, 3} ; QLogic: QLA2310F-E-SP ⁷ , QLA2340-E-SP ⁷ , QLA2342-E-SP ⁷	FC-AL, FC-SW	N	See ¹
8	Proliant: DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ , Standard Edition (Server) ⁸	Emulex: LP10000-E ^{10, 11, 14} , LP10000DC-E ^{10, 11, 14} , LP1050-E ^{10, 11, 14} , LP1050DC-E ^{10, 11, 14} , LP8000-EMC ^{4, 5, 10, 11} , LP9002-E (LP9002L-E) ^{5, 10, 11} , LP9802-E ^{3, 10, 11} , LP9802DC-E ^{3, 10, 11} , LP982-E ^{3, 10, 11} ; HPQ: A7298A (LP982) ^{3, 10, 11} , DS-KGPSA-CA (LP8000) ^{5, 10, 11} , DS-KGPSA-CB (LP8000) ^{5, 10, 11} , DS-KGPSA-CY (LP8000) ^{5, 10, 11} , FCA2101 (LP952) ^{11, 16, 17, 18} , FCA2214 (QLA2340) ^{7, 12} , FCA2214DC (QLA2342) ^{7, 12} , FCA2384 (LP9802) ^{3, 10, 11} , FCA2404 (LP9802) ^{3, 10, 11} , FCA2404DC (LP9802DC) ^{3, 10, 11} , FCA2408 (LP982) ^{3, 10, 11} ; QLogic: QLA2310F-E-SP ^{7, 12} , QLA2340-E-SP ^{7, 12} , QLA2342-E-SP ^{7, 12}	FC-AL, FC-SW	Y	
9	Proliant: 6500 ^{9, 15} , 8500, DL320 ⁹ , DL360(G2) ⁹ , DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ⁹	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ , Standard Edition (Server) ⁸	HPQ: FCA2354 (LP9002) ^{5, 10, 11} , FCA2355 (LP9002DC) ^{5, 10, 11}	FC-SW	Y	
10	Proliant: BL40p, DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ , Standard Edition (Server) ⁸	HPQ: FCA2354 (LP9002) ^{5, 10, 11} , FCA2355 (LP9002DC) ^{5, 10, 11}	FC-SW	Y	
11	Proliant: DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL580(G2) ⁹ , DL580(G3)	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ , Standard Edition (Server) ⁸	HPQ: FCA2354 (LP9002) ^{5, 10, 11} , FCA2355 (LP9002DC) ^{5, 10, 11}	FC-SW	Y	

- No EMC Layered Applications supported on IA64 server platforms
- Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Firmware Version 1.01a2.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Firmware Version 3.90a7.

6. Driver Version 1.01x. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
7. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
8. **EMC recommends that HBAs of different vendors not be used in the same host server.**
9. **Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.**
10. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
11. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
12. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
13. **Dual port PCI-X fibre channel mezzanine card option is embedded. No PCI/PCI-X slots available.**
14. Firmware Version 1.80a3.
15. **Includes both Pentium PRO and XEON models**
16. **Supports Boot BIOS 1.63a2. Supports SNIA HBA API.** Available at <http://www.emulex.com>.
17. Driver Version 2.21a7. EMC does not support the Emulex equivalent of the FCA2101 (LP952.) Use EMC supported driver for LP9002 from <http://www.emulex.com>.
18. Firmware Version 3.90a7. Contact HPQ for supported firmware versions for this HBA.

IBM

IBM – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x350 (6000R), x370	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ Standard Edition (Server) ⁶	Emulex: LP10000-E ^{5, 10, 12} , LP10000DC-E ^{5, 10, 12} , LP1050-E ^{5, 10, 12} , LP1050DC-E ^{5, 10, 12} , LP8000-EMC ^{10, 11, 12, 13} , LP9002-E (LP9002L-E) ^{10, 11, 12} , LP9802-E ^{3, 10, 12} , LP9802DC-E ^{3, 10, 12} , LP982-E ^{3, 10, 12} ; IBM: 19K1246(QLA2310) ^{4, 7, 9} , 24P0960(QLA2340) ^{4, 7, 8} ; QLogic: QLA2310F-E-SP ^{4, 7} , QLA2340-E-SP ^{4, 7} , QLA2342-E-SP ^{4, 7}	FC-AL, FC-SW	Y	
2	xSeries: x235, x255, x360, x440	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ Standard Edition (Server) ⁶	Emulex: LP10000-E ^{5, 10, 12} , LP10000DC-E ^{5, 10, 12} , LP1050-E ^{5, 10, 12} , LP1050DC-E ^{5, 10, 12} , LP8000-EMC ^{10, 11, 12, 13} , LP9002-E (LP9002L-E) ^{10, 11, 12} , LP9802-E ^{3, 10, 12} , LP9802DC-E ^{3, 10, 12} , LP982-E ^{3, 10, 12} ; IBM: 19K1246(QLA2310) ^{4, 7, 9} , 24P0960(QLA2340) ^{4, 7, 8} ; QLogic: QLA2310F-E-SP ^{4, 7} , QLA2340-E-SP ^{4, 7} , QLA2342-E-SP ^{4, 7}	FC-AL, FC-SW	Y	
3	eServer BladeCenter HS20 (Model: 8678) ¹⁸ , 8832) ¹⁸	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ Standard Edition (Server) ⁶	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{21, 22}	FC-AL, FC-SW	Y	
4	xSeries x450	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP10000-E ^{2, 5} , LP10000DC-E ^{2, 5} , LP1050-E ^{2, 5} , LP1050DC-E ^{2, 5} , LP9802-E ^{2, 3} , LP9802DC-E ^{2, 3} , LP982-E ^{2, 3} ; QLogic: QLA2340-E-SP ⁴ , QLA2342-E-SP ⁴	FC-AL, FC-SW	N	See ¹
5	xSeries: x345, x445	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ Standard Edition (Server) ⁶	Emulex: LP10000-E ^{5, 10, 12} , LP10000DC-E ^{5, 10, 12} , LP1050-E ^{5, 10, 12} , LP1050DC-E ^{5, 10, 12} , LP8000-EMC ^{10, 11, 12, 13} , LP9002-E (LP9002L-E) ^{10, 11, 12} , LP9802-E ^{3, 10, 12} , LP9802DC-E ^{3, 10, 12} , LP982-E ^{3, 10, 12} ; IBM: 19K1246(QLA2310) ^{4, 7, 9} , 24P0960(QLA2340) ^{4, 7, 8} ; QLogic: QLA2310F-E-SP ^{4, 7} , QLA2340-E-SP ^{4, 7} , QLA2342-E-SP ^{4, 7}	FC-AL, FC-SW	Y	
6	eServer BladeCenter HS20 (Model: 8678) ¹⁸ , 8832) ¹⁸	PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁶ Standard Edition (Server) ⁶	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{14, 15, 16, 17, 19, 20} , 02R9080 ^{16, 17}	FC-SW	Y	

1. **No EMC Layered Applications supported on IA64 server platforms**
2. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
3. Firmware Version 1.01a2.
4. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
5. Firmware Version 1.80a3.
6. **EMC recommends that HBAs of different vendors not be used in the same host server.**
7. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
8. **This HBA is equivalent to the QLogic QLA2340.**
9. **This HBA is equivalent to the QLogic QLA2310.**
10. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
11. Firmware Version 3.90a7.
12. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
13. **The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.**
14. **Supports IBM BIOS 1.35.** Available at <http://www.qlogic.com>.
15. **Due to the HS20's embedded FC-SW design, EMC Access Logix is required to assign LUNS to each individual blade server.**
16. **When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"**

17. **This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.**
18. **Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
19. **EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.**
20. Driver Version 8.2.3.21.
21. Driver Version 8.2.3.27. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
22. **Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)**
23. **Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.**

NCR

NCR – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Worldmark 45xx	MCA	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ Standard Edition (Server) ¹	Emulex: LP10000-E ^{2, 4, 9} , LP10000DC-E ^{2, 4, 9} , LP1050-E ^{2, 4, 9} , LP1050DC-E ^{2, 4, 9} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{2, 3, 4} , LP9802-E ^{2, 4, 6} , LP9802DC-E ^{2, 4, 6} , LP982-E ^{2, 4, 6} ; QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y	

NCR – Microsoft Windows 2003						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
2	Worldmark: 4500, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E ^{2, 4, 9} , LP10000DC-E ^{2, 4, 9} , LP1050-E ^{2, 4, 9} , LP1050DC-E ^{2, 4, 9} , LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{2, 3, 4} , LP9802-E ^{2, 4, 6} , LP9802DC-E ^{2, 4, 6} , LP982-E ^{2, 4, 6} , QLogic: QLA2310F-E-SP ^{7, 8} , QLA2340-E-SP ^{7, 8} , QLA2342-E-SP ^{7, 8}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 3.90a7.
- Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Firmware Version 1.01a2.
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 1.80a3.

NEC

NEC – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800 320Mc-R	PCI	Microsoft Windows 2003 Enterprise Edition (Advanced Server) ⁹	NEC N8803-031 (QLA2310F) ^{2, 11, 14, 23} , QLogic QLA2310F-E-SP ^{2, 11, 14}	FC-AL, FC-SW	N	
2	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4, 180Rc-4	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁹ , Standard Edition (Server) ⁹	Emulex: LP10000-E ^{16, 17, 19} , LP10000DC-E ^{16, 17, 19} , LP1050-E ^{16, 17, 19} , LP1050DC-E ^{16, 17, 19} , LP8000-EMC ^{15, 16, 17, 18} , LP9002-E (LP9002L-E) ^{15, 16, 17} , LP9802-E ^{7, 16, 17} , LP9802DC-E ^{7, 16, 17} , LP982-E ^{7, 16, 17} , QLogic: QLA2310F-E-SP ^{2, 14} , QLA2340-E-SP ^{2, 14} , QLA2342-E-SP ^{2, 14}	FC-AL, FC-SW	Y	
3	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-2, 140Ha, 140Hb, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 180Ha, 180Rb-7	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁹ , Standard Edition (Server) ⁹	NEC N8190-105 ^{15, 16, 17, 22}	FC-AL, FC-SW	Y	
4	Express 5800: 320La-R ¹³ , 320La ¹³ , 320Lb-R ¹³ , 320Lb ¹³	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁹ , Standard Edition (Server) ⁹	NEC N8803-031 (QLA2310F) ^{2, 14}	FC-AL, FC-SW	N	
5	Express 5800: 320La-R ¹³ , 320La ¹³ , 320Lb-R ¹³ , 320Lb ¹³ , 330Ma-R ¹³ , 330Mb-R ¹³ , 340Ha-R ¹³	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁹ , Standard Edition (Server) ⁹	NEC N8803-031 (QLA2310F) ^{2, 10, 11, 12, 14}	FC-AL, FC-SW	N	See ⁸
6	Express 5800: 320Lb, 320Lb-R, 330Mb-R ^{20, 21} , 340Ha-R	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁹ , Standard Edition (Server) ⁹	QLogic QLA2310F-E-SP ^{2, 11, 14}	FC-AL, FC-SW	N	
7	Express 5800: 1080Xd, 1160Xd, 1320Xd	PCI, PCI-X	Microsoft Windows 2003 64-Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	NEC: NT2007A-A001 ^{4, 5, 6, 7} , NT2010A-A001 ^{2, 3}	FC-AL, FC-SW	N	See ¹
8	Express 5800: 1020Xd, 1040Xd	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	NEC NTAB232A (LP9802) ^{6, 7}	FC-AL, FC-SW	N	See ¹

- No EMC Layered Applications supported on IA64 server platforms
- Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- This HBA is equivalent to the QLogic QLA2340.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- This HBA is equivalent to the Emulex LP982.
- Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Firmware Version 1.01a2.
- CX200 available through selected channels.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- QLogic SanBlade Manager is not supported.
- QLogic SANSurfer/SANBlade Manager is not supported.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- Bus Enumeration Issue Causes Problems with SYMCLI SCSI bus enumeration of disks will change depending on cold boot or warm boot. This causes symcli commands to fail because the path is changed and SYMCLI can no longer communicate with the Symmetrix.

By "shutdown" and booting system, internal disks are assigned first, followed by Symmetrix disks.

By "restart" the system, Symmetrix disks are assigned first, followed by internal disks. Drive letter are not changed in both cases.

The workaround is to perform "symcfg discover" after rebooting.

- Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
- Firmware Version 3.90a7.
- Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Firmware Version 1.80a3.
- Supports Stratus OS 1.3.X through 2.1.X.
- Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
- EMC does not support the Emulex equivalent of N8190-105. Check with NEC on where to download the latest supported firmware and boot BIOS for this adapter.
- Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.

Samsung

Samsung – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ES470; ES570	PCI, PCI-X	Microsoft Windows 2003 64-Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex LP982-E ^{2, 3, 4} ; QLogic QLA2340-E-SP ^{2, 5}	FC-AL, FC-SW	N	See ¹

1. No EMC Layered Applications supported on IA64 server platforms
2. For Windows 2003 STORPort drivers, support is limited to the following configurations: 1 HBA with 1 path to 1 SP; 2 HBAs, one with a single path to SPA and the other with a single path to SPB. Refer to HBA guides for expected device behavior. [NOTE: Powerpath not currently supported with STORPort driver.]
3. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
4. Firmware Version 1.01a2.
5. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]

Stratus

Stratus – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ftServer: 3300 ^{1, 2, 3, 4} , 5240 ^{2, 9, 10, 11, 12} , 5600 ^{2, 13} , 6500 ^{2, 9, 10, 11, 12}	PCI	Microsoft Windows 2003 Enterprise Edition (Advanced Server) ⁶	QLogic QLA2310F-E-SP ^{5, 7, 8}	FC-AL, FC-SW	N	

1. Supports Stratus OS 2.0.X through 2.1.X.
2. ftServer OS 2.1.x requires PowerPath 3.0.5 or greater.
3. Requires Stratus ftServer OS 2.0.x or greater.
4. ftServer OS 2.0.x requires PowerPath 3.0.2.
5. Qlogic SANSurfer/SANBlade Manager is not supported.
6. EMC recommends that HBAs of different vendors not be used in the same host server.
7. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
8. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
9. Supports Stratus OS 1.3.X through 2.1.X.
10. Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.
11. Requires Stratus ftServer OS 1.4.x or 2.1.x.
12. ftServer OS 1.4 requires PowerPath 3.0.2.
13. Requires Stratus ftServer OS 2.1.x.

Unisys

Unisys – Microsoft Windows 2003							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	ES7000/100; ES7000/200; ES7000/230	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁵ , Standard Edition (Server) ⁵	Emulex: LP1000-E ^{7, 8, 11} , LP1000DC-E ^{7, 8, 11} , LP1050-E ^{7, 8, 11} , LP1050DC-E ^{7, 8, 11} , LP8000-EMC ^{6, 7, 8, 9} , LP9002-E (LP9002L-E) ^{6, 7, 8} , LP9802-E ^{3, 7, 8} , LP9802DC-E ^{3, 7, 8} , LP982-E ^{3, 7, 8} ; QLogic: QLA2310F-E-SP ^{4, 10} , QLA2340-E-SP ^{4, 10} , QLA2342-E-SP ^{4, 10} ; Unisys: FCH720111-P64 (LP8000-D1) ^{6, 7, 8} , FCH720113-P64 (LP8000-EMC, LP8000-F1) ^{6, 7, 8} , FCH732213-P64 (LP9002L-F2) ^{6, 7, 8}	FC-AL, FC-SW	Y	
2	ES7000/550	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁵ , Standard Edition (Server) ⁵	Unisys FCH732213-P64 (LP9002L-F2) ^{6, 7, 8}	FC-AL, FC-SW	Y	
3	ES7000/520; ES7000/530; ES7000/540	PCI	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁵ , Standard Edition (Server) ⁵	Unisys FCH742313-P64 (LP9802) ^{3, 7, 8}	FC-AL, FC-SW	Y	
4	ES7000/130; ES7000/410; ES7000/420; ES7000/430	PCI, PCI-X	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP9802-E ^{2, 3} , LP9802DC-E ^{2, 3} , LP982-E ^{2, 3} ; QLogic: QLA2340-E-SP ⁴ , QLA2342-E-SP ⁴ ; Unisys FCH742313-P64 (LP9802) ^{2, 3}	FC-AL, FC-SW	N	See ¹
5	ES3000	PCI, PCI-X	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁵ , Standard Edition (Server) ⁵	Unisys: FCH732213-P64 (LP9002L-F2) ^{6, 7, 8} , FCH742313-P64 (LP9802) ^{3, 7, 8}	FC-AL, FC-SW	Y	

1. No EMC Layered Applications supported on IA64 server platforms
1. Driver Version 1.01x1. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
3. Firmware Version 1.01a2.
4. Driver Version 8.2.3.27. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
5. EMC recommends that HBAs of different vendors not be used in the same host server.
6. Firmware Version 3.90a7.
7. Driver Version 1.01x1. Supports Boot BIOS 1.63a2. Available at <http://www.emulex.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
8. Driver Version 2.21a7. Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
9. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
10. Driver Version 8.2.3.21. Supports BIOS 1.34. Available at <http://www.qlogic.com>. NOTE: Powerpath is supported with this driver.
11. Firmware Version 1.80a3.

Microsoft Windows NT

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

DG

DG – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	AViiON: AV8900, AV8950, AV8950R	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 6, 7, 13} , LP9002-E (LP9002L-E) ^{2, 4, 6, 7} , LP9802-E ^{2, 3, 4, 5, 8} , LP9802DC-E ^{2, 3, 4, 5} , LP982-E ^{2, 3, 4, 5, 8} ; QLogic: QLA2310F-E-SP ^{9, 10, 11, 12} , QLA2340-E-SP ^{9, 10, 11} , QLA2342-E-SP ^{9, 10, 11}	FC-AL, FC-SW	Y
2	AViiON: AV1400, AV2300, AV2700, AV2800, AV3600, AV3700, AV3704, AV3704R, AV3800, AV8700	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 6, 7, 13} , LP9002-E (LP9002L-E) ^{2, 4, 6, 7} , LP9802-E ^{2, 3, 4, 5} , LP9802DC-E ^{2, 3, 4, 5} , LP982-E ^{3, 4, 5} ; QLogic: QLA2310F-E-SP ^{9, 10, 11, 12} , QLA2340-E-SP ^{9, 10, 11} , QLA2342-E-SP ^{9, 10, 11}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Driver Version 2.20a12.
- Firmware Version 1.01a2.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Firmware Version 3.90a7.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- HBA BIOS is 1.34.
- Driver/BIOS are available at <http://www.qlogic.com>
- Driver Version 8.1.5.21.
- If using ATF/CDE, requires 2.0.9 or greater.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Dell

Dell – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	PowerEdge: 4300, 4350	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{2, 3, 4, 5} ; QLogic: QLA2310F-E-SP ^{6, 7, 8, 9} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
2	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2500, 2550 ^{13, 14} , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5, 11} , LP9802-E ^{4, 10, 11, 12} , LP9802DC-E ^{4, 10, 11, 12} , LP982-E ^{4, 10, 11, 12} ; QLogic: QLA2310F-E-SP ^{6, 7, 8, 9} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
3	PowerVault: 770N, 775N	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP9002-E (LP9002L-E) ^{3, 4, 5, 11} , LP9802-E ^{4, 10, 11, 12} , LP9802DC-E ^{4, 10, 11, 12} , LP982-E ^{4, 10, 11, 12} ; QLogic: QLA2310F-E-SP ^{6, 7, 8, 9} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
4	PowerEdge 6600	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5, 11} , LP9802-E ^{4, 10, 11, 12} , LP9802DC-E ^{4, 10, 11, 12} , LP982-E ^{4, 10, 11, 12} ; QLogic: QLA2310F-E-SP ^{6, 7, 8, 9} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
5	PowerEdge: 1750, 2600, 4600, 6650	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 4, 5} , LP9002-E (LP9002L-E) ^{3, 4, 5, 11} , LP9802-E ^{4, 10, 11, 12} , LP9802DC-E ^{4, 10, 11, 12} , LP982-E ^{4, 10, 11, 12} ; QLogic: QLA2310F-E-SP ^{6, 7, 8, 9} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
6	PowerEdge 2650	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 4, 5, 15} , LP9002-E (LP9002L-E) ^{3, 4, 5, 11} , LP9802-E ^{4, 10, 11, 12} , LP9802DC-E ^{4, 10, 11, 12} , LP982-E ^{4, 10, 11, 12} ; QLogic: QLA2310F-E-SP ^{6, 7, 8, 9} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Driver Version 2.20a12.
- Firmware Version 3.90a7.
- HBA BIOS is 1.34.
- Driver/BIOS are available at <http://www.qlogic.com>
- Driver Version 8.1.5.21.
- If using ATF/CDE, requires 2.0.9 or greater.
- Firmware Version 1.01a2.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- Dell PowerEdge supports a maximum of 2 Emulex HBAs at one time and the total power cannot exceed 20 Watts.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.

HPQ

HPQ – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Netservr LH: 3000, 6000; Netservr LXR: 8000, 8500; Proliant: 1600 ^{9, 17} , 1850 ⁹ , 6400R ⁹ , 850 ⁹	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{5, 12, 13, 14} ; HPQ FCA2404 (LP9802) ^{4, 5, 20} ; QLogic: QLA2310F-E-SP ^{6, 7, 8, 15} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
2	Netservr LH: 3, 4, II, PRO, III; Netservr: LX PRO, LXR PRO, LXR PRO8; Proliant: 2500 ⁹ , 5000 ⁹ , 6000 ^{9, 18} , 6500 ^{9, 18} , 8000 ^{9, 18}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{5, 12, 13, 14} ; QLogic: QLA2310F-E-SP ^{6, 7, 8, 15} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y
3	Proliant 8000: Pro, Xeon	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{5, 12, 13, 14} ; QLogic: QLA2310F-E-SP ^{6, 7, 8, 16} , QLA2340-E-SP ^{6, 7, 8, 16} , QLA2342-E-SP ^{6, 7, 8, 16}	FC-AL, FC-SW	Y
4	Proliant 3000 ⁹	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5, 12, 13, 14, 20, 21} , LP9002-E (LP9002L-E) ^{2, 3, 13, 14} ; QLogic: QLA2310F-E-SP ^{6, 7, 8, 15} , QLA2340-E-SP ^{6, 7, 8} , QLA2342-E-SP ^{6, 7, 8}	FC-AL, FC-SW	Y

HPQ – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
5	Netserver LC; 2000 U3, 2000R; Netserver: LPR, LT 6000R; Proliant: 8500, DL320 ⁹ , DL360(G2) ^{9,10} , DL360 ⁹ , DL380(G2) ⁹ , DL380 ⁹ , DL580 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570 ⁹ , ML750 ¹¹	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5,12,13,14} , LP9002-E (LP9002L-E) ^{2,5,13,14} , LP9802-E ^{2,3,4,5} , LP9802DC-E ^{2,3,4,5} , LP982-E ^{3,4,5} ; HPQ FCA2404 (LP9802) ^{4,5,20} ; QLogic: QLA2310F-E-SP ^{6,7,8,15} , QLA2340-E-SP ^{6,7,8} , QLA2342-E-SP ^{6,7,8}	FC-AL, FC-SW	Y
6	Proliant DL380(G3)	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5,12,13,14} , LP9002-E (LP9002L-E) ^{2,5,13,14} , LP9802-E ^{2,3,4,5} , LP9802DC-E ^{2,3,4,5} , LP982-E ^{3,4,5} ; HPQ: 176479-B21 ^{14,19} , DS-KGPSA-CB (LP8000) ^{5,13} , DS-KGPSA-CY (LP8000) ^{5,13} , FCA2404 (LP9802) ^{4,5,20} ; QLogic: QLA2310F-E-SP ^{6,7,8,15} , QLA2340-E-SP ^{6,7,8} , QLA2342-E-SP ^{6,7,8}	FC-AL, FC-SW	Y
7	Proliant: 5500 ^{9,18} , 7000 ^{9,18}	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5,12,13,14} , LP9002-E (LP9002L-E) ^{2,5,13,14} ; QLogic: QLA2310F-E-SP ^{6,7,8,15} , QLA2340-E-SP ^{6,7,8} , QLA2342-E-SP ^{6,7,8}	FC-AL, FC-SW	Y
8	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁹ , ML570(G2)	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5,12,13,14} , LP9002-E (LP9002L-E) ^{2,5,13,14} , LP9802-E ^{2,3,4,5} , LP9802DC-E ^{2,3,4,5} , LP982-E ^{3,4,5} ; HPQ FCA2404 (LP9802) ^{4,5,20} ; QLogic: QLA2310F-E-SP ^{6,7,8,15} , QLA2340-E-SP ^{6,7,8} , QLA2342-E-SP ^{6,7,8}	FC-AL, FC-SW	Y
9	Proliant: DL580(G2) ⁹ , DL580(G3)	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{5,12,13,14} , LP9002-E (LP9002L-E) ^{2,5,13,14} , LP9802-E ^{2,3,4,5} , LP9802DC-E ^{2,3,4,5} , LP982-E ^{3,4,5} ; HPQ FCA2404 (LP9802) ^{4,5,20} ; QLogic: QLA2310F-E-SP ^{6,7,8,15} , QLA2340-E-SP ^{6,7,8} , QLA2342-E-SP ^{6,7,8}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Firmware Version 1.01a2.
- Driver Version 2.20a12.
- HBA BIOS is 1.34.
- Driver/BIOS are available at <http://www.qlogic.com>
- Driver Version 8.1.5.21.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Requires BIOS v4.01 rev A (5/17/2002) for use with Emulex HBAs.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Firmware Version 3.90a7.
- If using ATF/CDE, requires 2.0.9 or greater.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- Includes both Pentium PRO and XEON models
- Driver Version 2.20a12. Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>. NOTE: Powerpath is supported with this driver.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.

IBM

IBM – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ⁶ , 7100, 7600	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex LP8000-EMC ^{12,15,16,17} ; IBM: 19K1246(QLA2310) ^{2,3,4,5} , 24P0960(QLA2340) ^{2,3,5,13} ; QLogic: QLA2310F-E-SP ^{2,3,5,14} , QLA2340-E-SP ^{2,3,5} , QLA2342-E-SP ^{2,3,5}	FC-AL, FC-SW	Y
2	Netfinity 8500R; xSeries: X340 (4500R) ⁹ , X342 ⁹ , x230, x240 ⁹ , x250 ⁹ , x350 (6000R) ⁹ , x370 ⁹	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{12,15,16,17} , LP9002-E (LP9002L-E) ^{10,12,16,17} , LP9802-E ^{7,10,11,12} , LP9802DC-E ^{7,10,11,12} , LP982-E ^{7,11,12} ; IBM: 19K1246(QLA2310) ^{2,3,4,5} , 24P0960(QLA2340) ^{2,3,5,13} ; QLogic: QLA2310F-E-SP ^{2,3,5,14} , QLA2340-E-SP ^{2,3,5} , QLA2342-E-SP ^{2,3,5}	FC-AL, FC-SW	Y
3	xSeries: X330 ⁹ , X335, x232 ⁹ , x255 ⁹	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{12,15,16,17} , LP9002-E (LP9002L-E) ^{10,12,16,17} , LP9802-E ^{7,10,11,12} , LP9802DC-E ^{7,10,11,12} , LP982-E ^{7,11,12} ; QLogic: QLA2310F-E-SP ^{2,3,5,14} , QLA2340-E-SP ^{2,3,5} , QLA2342-E-SP ^{2,3,5}	FC-AL, FC-SW	Y
4	xSeries x235 ⁹	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{12,15,16,17} , LP9002-E (LP9002L-E) ^{12,16,17,18} , LP9802-E ^{7,10,11,12} , LP9802DC-E ^{7,10,11,12} , LP982-E ^{7,11,12} ; IBM: 19K1246(QLA2310) ^{2,3,4,5} , 24P0960(QLA2340) ^{2,3,5,13} ; QLogic: QLA2310F-E-SP ^{2,3,5,14,18} , QLA2340-E-SP ^{2,3,5,18} , QLA2342-E-SP ^{2,3,5,18}	FC-AL, FC-SW	Y
5	xSeries: x360 ⁹ , x440 ⁹	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{12,15,16,17} , LP9002-E (LP9002L-E) ^{10,12,16,17} , LP9802-E ^{7,10,11,12} , LP9802DC-E ^{7,10,11,12} , LP982-E ^{7,11,12} ; IBM: 19K1246(QLA2310) ^{2,3,4,5} , 24P0960(QLA2340) ^{2,3,5,13} ; QLogic: QLA2310F-E-SP ^{2,3,5,14} , QLA2340-E-SP ^{2,3,5} , QLA2342-E-SP ^{2,3,5}	FC-AL, FC-SW	Y
6	xSeries x255 ⁹	PCI-X	Microsoft Windows NT 4.0 SP6A ¹	IBM: 19K1246(QLA2310) ^{2,3,4,5} , 24P0960(QLA2340) ^{2,3,5,13,20}	FC-AL, FC-SW	Y

IBM – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
7	xSeries x345 ⁹	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{12, 15, 16, 17} , LP9002-E (LP9002L-E) ^{12, 16, 17, 19} , IBM: 19K1246(QLA2310) ^{2, 3, 4, 5} , 24P0960(QLA2340) ^{2, 3, 5, 13}	FC-AL, FC-SW	Y
8	xSeries x445	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{12, 15, 16, 17} , LP9002-E (LP9002L-E) ^{10, 12, 16, 17} , LP9802-E ^{7, 10, 11, 12} , LP9802DC-E ^{7, 10, 11, 12} , LP982-E ^{7, 11, 12} , IBM: 19K1246(QLA2310) ^{2, 3, 4, 5} , 24P0960(QLA2340) ^{2, 3, 5, 13} , QLogic: QLA2310F-E-SP ^{2, 3, 5, 14} , QLA2340-E-SP ^{2, 3, 5} , QLA2342-E-SP ^{2, 3, 5}	FC-AL, FC-SW	Y
9	xSeries x345 ^{8, 9}	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP9802-E ^{7, 10, 11, 12} , LP9802DC-E ^{7, 10, 11, 12} , LP982-E ^{7, 10, 11, 12}	FC-AL, FC-SW	Y
10	xSeries x345	PCI, PCI-X	Microsoft Windows NT 4.0 SP6A ¹	QLogic: QLA2310F-E-SP ^{2, 3, 5, 18} , QLA2340-E-SP ^{2, 3, 5, 18} , QLA2342-E-SP ^{2, 3, 5, 18}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- HBA BIOS is 1.34.
- Driver/BIOS are available at <http://www.qlogic.com>
- This HBA is equivalent to the qLogic QLA2310.
- Driver Version 8.1.5.21.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- Firmware Version 1.01a2.
- It is recommended that the QLogic QLA2340 is not installed in Slot 1.
- For IBM xSeries Servers running Windows NT and Windows 2000 with IBM ServerRaid controller 4M, the ServerRaid Driver must be 6.00 or above for use with EMC PowerPath 3.0 and above. IBM driver can be downloaded at: <http://www-3.ibm.com/pc/support/site.wss/document.do?lnocid=MIGR-39723>
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.
- Driver Version 2.20a12.
- This HBA is equivalent to the qLogic QLA2340.
- If using ATF/CDE, requires 2.0.9 or greater.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Firmware Version 3.90a7.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- PowerPath supported. ATF/CDE not supported.

NEC

NEC – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Express 5800: 140Ha, 140Hb, 140Ma, 140Ra-4, 180Ha	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 7} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 11} , LP9802-E ^{2, 5, 12, 13} , LP9802DC-E ^{2, 5, 12, 13} , LP982-E ^{2, 5, 12, 13} , NEC: N8190-105 ^{2, 3, 5, 6} , N8503-200 ^{2, 3, 4} , QLogic: QLA2300F-E-SP ^{6, 8, 9, 10} , QLA2310F-E-SP ^{6, 8, 9, 10} , QLA2340-E-SP ^{6, 8, 9, 10} , QLA2342-E-SP ^{6, 8, 9, 10}	FC-AL, FC-SW	Y
2	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{2, 3, 7} , LP9002-E (LP9002L-E) ^{2, 3, 5, 6, 11} , LP9802-E ^{2, 5, 12, 13} , LP9802DC-E ^{2, 5, 12, 13} , LP982-E ^{2, 5, 12, 13} , NEC: N8190-105 ^{2, 3} , N8190-105 ^{2, 3, 5, 6} , N8503-200 ^{2, 3, 4} , QLogic: QLA2300F-E-SP ^{6, 8, 9, 10} , QLA2310F-E-SP ^{6, 8, 9, 10} , QLA2340-E-SP ^{6, 8, 9, 10} , QLA2342-E-SP ^{6, 8, 9, 10}	FC-AL, FC-SW	Y
3	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-2, 140Ra-7, 140Rb-4, 180Rb-7, 180Rc-4	PCI	Microsoft Windows NT 4.0 SP6A ¹	NEC: N8190-105 ^{2, 3} , N8503-200 ^{2, 3, 4}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Driver Version 2.20a12.
- Firmware Version 3.90a7.
- Supports Boot BIOS 1.63a2. ATF/CDE not supported with driver 2.21a0. For ATF/CDE, use driver 2.11a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- QLogic 23xx, and Emulex LP9xxx families for use in servers running Pentium II and faster CPUs only (PII, PIII, etc.).
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- HBA BIOS is 1.34.
- Driver/BIOS are available at <http://www.qlogic.com>
- Driver Version 8.1.5.21.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Firmware Version 1.01a2.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.

Unisys

Unisys – Microsoft Windows NT						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	ES7000/230	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 9, 10} , LP9002-E (LP9002L-E) ^{2, 4, 9} , LP9802-E ^{2, 3, 4} , LP9802DC-E ^{2, 3, 4} , LP982-E ^{2, 3, 4, 8}	FC-AL, FC-SW	Y
2	ES7000/100	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 9, 10} , LP9002-E (LP9002L-E) ^{2, 4, 9} , LP9802-E ^{3, 4} , LP9802DC-E ^{2, 3, 4} , LP982-E ^{3, 4, 8}	FC-AL, FC-SW	Y
3	ES7000/200	PCI	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ^{4, 9, 10} , LP9002-E (LP9002L-E) ^{2, 4, 9} , LP9802-E ^{3, 4} , LP9802DC-E ^{2, 3, 4} , LP982-E ^{3, 4, 8} , QLogic: QLA2340-E-SP ^{5, 6, 7} , QLA2342-E-SP ^{5, 6, 7}	FC-AL, FC-SW	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Firmware Version 1.01a2.
- Driver Version 2.20a12.
- Driver Version 8.1.5.21.
- HBA BIOS is 1.34.
- Driver/BIOS are available at <http://www.qlogic.com>
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Drivers available at <http://www.emulex.com>.

9. Firmware Version 3.90a7.
 10. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Novell Netware Dell

Dell – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2500, 2550 ⁴⁰ , 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.00 SP6A ^{18, 23, 42}	QLogic: QLA2300F-E-SP ^{19, 20} , QLA2310F-E-SP ^{19, 20, 22} , QLA2340-E-SP ^{19, 20, 22} , QLA2342-E-SP ^{19, 20, 22, 24}	FC-AL, FC-SW	N
2	PowerEdge: 1550, 2500, 2550 ⁴⁰	PCI	Novell Netware 5.00 SP6A ^{18, 23, 42}	QLogic: QLA2310F-E-SP ^{19, 20, 22} , QLA2340-E-SP ^{19, 20, 22} , QLA2342-E-SP ^{19, 20, 22, 24}	FC-AL, FC-SW	Y1, 2, 15, 26
3	PowerEdge: 1650, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.00 SP6A ^{18, 23, 42}	QLogic: QLA2310F-E-SP ^{19, 20, 22} , QLA2340-E-SP ^{19, 20, 22} , QLA2342-E-SP ^{19, 20, 22, 24}	FC-AL, FC-SW	Y1, 2, 15
4	PowerEdge 8450	PCI	Novell Netware 5.00 SP6A ^{18, 42}	QLogic QLA2200F-EMC ^{19, 27, 34, 37, 38, 39}	FC-AL, FC-SW	N
5	PowerEdge 1650	PCI	Novell Netware 5.00 SP6A ^{18, 42}	QLogic QLA2200F-EMC ^{27, 34}	FC-AL, FC-SW	Y5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17
6	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2500, 2550 ⁴⁰ , 4300, 4400, 6100, 6300, 6350, 6400, 6450	PCI	Novell Netware 5.00 SP6A ^{18, 42}	QLogic QLA2200F-EMC ^{27, 34}	FC-AL, FC-SW	N
7	PowerEdge: 1550, 2400, 2450, 2500, 2550 ⁴⁰ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.00 SP6A ^{18, 42}	QLogic QLA2200F-EMC ^{27, 34}	FC-AL, FC-SW	Y5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
8	PowerEdge: 2300, 6400	PCI	Novell Netware 5.10 SP2A ¹⁸	QLogic QLA2310F-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	N
9	PowerEdge: 1550, 2500	PCI	Novell Netware 5.10 SP2A ¹⁸	QLogic: QLA2310F-E-SP ^{19, 20, 21, 22} , QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 15, 17, 26
10	PowerEdge: 1650, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10 SP2A ¹⁸	QLogic: QLA2310F-E-SP ^{19, 20, 21, 22} , QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 15, 17
11	PowerEdge 2550 ⁴⁰	PCI	Novell Netware 5.10 SP5 ^{4, 18}	QLogic QLA2340-E-SP ^{20, 21, 22}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26, 28
12	PowerEdge 1650	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{19, 20, 21, 22, 41}	FC-AL, FC-SW	Y1, 2, 5, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
13	PowerEdge 2550 ⁴⁰	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{19, 20, 21, 22, 41}	FC-AL, FC-SW	Y1, 2, 15, 17, 26
14	PowerEdge: 1550, 2500	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{19, 20, 21, 22, 41}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26, 28
15	PowerEdge: 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{19, 20, 21, 22, 41}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
16	PowerEdge 2550 ⁴⁰	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{20, 21, 22, 41}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26, 28
17	PowerEdge 8450	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP2 ¹⁸	QLogic: QLA2200F-EMC ^{19, 21, 27} , QLA2310F-E-SP ^{19, 20, 21, 22} , QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	N
18	PowerEdge 8450	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP2 ¹⁸ , SP5 ^{4, 18} , SP6; Novell Netware 6.0: SP1 ^{18, 23} , SP2 ^{18, 23} , SP3 ²³ ; Novell Netware 6.5 ^{23, 47}	IBM 19K1246(QLA2310) ^{29, 30, 31, 32}	FC-AL, FC-SW	N
19	PowerEdge 2550 ⁴⁰	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 15, 17, 26
20	PowerEdge 2550 ⁴⁰	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ , SP5 ^{4, 18} , SP6; Novell Netware 6.0: SP1 ^{18, 23, 35} , SP2 ^{18, 23, 35} , SP3 ²³	QLogic QLA2342-E-SP ^{19, 20, 21, 22, 24}	FC-AL, FC-SW	Y1, 2, 15, 17, 26
21	PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ , SP6; Novell Netware 6.0: SP1 ^{18, 23, 25} , SP2 ^{18, 23} , SP3 ²³	QLogic: QLA2310F-E-SP ^{19, 20, 21, 22} , QLA2340-E-SP ^{19, 20, 21, 22} , QLA2342-E-SP ^{19, 20, 21, 22, 24}	FC-AL, FC-SW	N
22	PowerEdge: 1650, 2300, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450; PowerVault: 750N, 755N, 775N	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ , SP6; Novell Netware 6.0: SP1 ^{18, 23, 25} , SP2 ^{18, 23} , SP3 ²³ ; Novell Netware 6.5 ^{23, 47}	QLogic QLA2300F-E-SP ^{19, 20, 21}	FC-AL, FC-SW	N
23	PowerEdge 2550 ⁴⁰	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ^{4, 18} , SP6	QLogic QLA2310F-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 15, 17, 26
24	PowerEdge 8450	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ^{4, 18} , SP6; Novell Netware 6.0: SP1 ^{18, 23, 25, 35} , SP2 ^{18, 23, 35} , SP3 ²³	QLogic QLA2342-E-SP ^{19, 20, 21, 22, 24}	FC-AL, FC-SW	N

Dell – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
25	PowerEdge: 1650, 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ^{4, 18} , SP6; Novell Netware 6.0: SP1 ^{18, 23, 25, 35} , SP2 ^{18, 23, 35} , SP3 ²³	QLogic QLA2342-E-SP ^{19, 20, 21, 22, 24}	FC-AL, FC-SW	Y1, 2, 15, 17
26	PowerEdge: 2300, 6400	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ^{4, 18} , SP6; Novell Netware 6.0: SP1 ^{18, 23, 25, 35} , SP2 ^{18, 23, 35} , SP3 ²³	QLogic: QLA2340-E-SP ^{19, 20, 21, 22} , QLA2342-E-SP ^{19, 20, 21, 22, 24}	FC-AL, FC-SW	N
27	PowerEdge: 1550, 2500	PCI	Novell Netware 5.10: SP2A ¹⁸ , SP5 ^{4, 18} , SP6; Novell Netware 6.0: SP1 ^{18, 23, 35} , SP2 ^{18, 23, 35} , SP3 ²³	QLogic QLA2342-E-SP ^{19, 20, 21, 22, 24}	FC-AL, FC-SW	Y1, 2, 15, 17, 26
28	PowerEdge 8450	PCI	Novell Netware 5.10: SP5 ^{4, 18} , SP6	QLogic QLA2200F-EMC ^{19, 21, 27, 34, 37, 38, 39}	FC-AL, FC-SW	N
29	PowerEdge 2550 ⁴⁰	PCI	Novell Netware 5.10: SP5 ^{4, 18} , SP6	QLogic QLA2310F-E-SP ^{20, 21, 22, 24}	FC-AL, FC-SW	Y1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26
30	PowerEdge 1650	PCI	Novell Netware 5.10: SP5 ^{4, 18} , SP6; Novell Netware 6.0: SP1 ^{18, 23, 25, 35} , SP2 ^{18, 23, 35} , SP3 ²³	QLogic QLA2310F-E-SP ^{19, 20, 21, 22, 24}	FC-AL, FC-SW	Y1, 2, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17
31	PowerEdge: 2300, 6400	PCI	Novell Netware 5.10: SP5 ^{4, 18} , SP6; Novell Netware 6.0: SP1 ^{18, 23, 25, 35} , SP2 ^{18, 23, 35} , SP3 ²³	QLogic QLA2310F-E-SP ^{19, 20, 21, 22, 24}	FC-AL, FC-SW	N
32	PowerEdge: 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP5 ^{4, 18} , SP6; Novell Netware 6.0: SP1 ^{18, 23, 25, 35} , SP2 ^{18, 23, 35} , SP3 ²³	QLogic QLA2310F-E-SP ^{19, 20, 21, 22, 24}	FC-AL, FC-SW	Y1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
33	PowerEdge 8450	PCI	Novell Netware 5.10: SP5 ^{4, 18} , SP6; Novell Netware 6.0: SP1 ^{18, 23, 25, 35} , SP2 ^{18, 23, 35} , SP3 ²³	QLogic: QLA2310F-E-SP ^{19, 20, 21, 22, 24} , QLA2340-E-SP ^{19, 20, 21, 22, 24}	FC-AL, FC-SW	N
34	PowerEdge 1650	PCI	Novell Netware 5.10: SP5 ^{4, 18} , SP6; Novell Netware 6.0: SP1 ^{18, 23, 35} , SP2 ^{18, 23, 35} , SP3 ²³	QLogic QLA2200F-EMC ^{21, 27, 34}	FC-AL, FC-SW	Y5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17
35	PowerEdge: 1550, 2400, 2450, 2500, 2550 ⁴⁰ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 5.10: SP5 ^{4, 18} , SP6; Novell Netware 6.0: SP1 ^{18, 23, 35} , SP2 ^{18, 23, 35} , SP3 ²³	QLogic QLA2200F-EMC ^{21, 27, 34}	FC-AL, FC-SW	Y5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
36	PowerEdge: 1550, 2500	PCI	Novell Netware 5.10: SP5 ^{4, 18} , SP6; Novell Netware 6.0: SP1 ^{18, 23, 35} , SP2 ^{18, 23, 35} , SP3 ²³	QLogic QLA2310F-E-SP ^{19, 20, 21, 22, 24}	FC-AL, FC-SW	Y1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26
37	PowerEdge: 2300, 6400	PCI	Novell Netware 5.10: SP5 ^{4, 18} , SP6; Novell Netware 6.0: SP1 ^{18, 23, 35} , SP2 ^{18, 23, 35} , SP3 ²³ ; Novell Netware 6.5 ^{23, 47}	QLogic QLA2200F-EMC ^{21, 27, 34}	FC-AL, FC-SW	N
38	PowerEdge 2550 ⁴⁰	PCI	Novell Netware 6.0: SP1 ^{18, 23, 35} , SP2 ^{18, 23, 35} , SP3 ²³	QLogic QLA2310F-E-SP ^{19, 20, 21, 22, 24}	FC-AL, FC-SW	Y1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26
39	PowerEdge 2550 ⁴⁰	PCI	Novell Netware 6.0: SP1 ^{18, 23, 35} , SP2 ^{18, 23, 35} , SP3 ²³	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26, 28
40	PowerEdge 8450	PCI	Novell Netware 6.0: SP1 ^{18, 23, 35} , SP2 ^{18, 23, 35} , SP3 ²³ ; Novell Netware 6.5 ^{23, 47}	QLogic QLA2200F-EMC ^{19, 21, 27, 34, 37}	FC-AL, FC-SW	N
41	PowerEdge: 1550, 1650, 2400, 2450, 2500, 2550 ⁴⁰ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware 6.5 ^{23, 47}	QLogic: QLA2200F-EMC ^{21, 27, 34} , QLA2310F-E-SP ^{19, 20, 21, 22, 24, 48} , QLA2340-E-SP ^{21, 22, 48} , QLA2342-E-SP ^{21, 22, 48}	FC-AL, FC-SW	N
42	PowerEdge: 2300, 6400, 8450	PCI	Novell Netware 6.5 ^{23, 47}	QLogic: QLA2310F-E-SP ^{19, 20, 21, 22, 24, 48} , QLA2340-E-SP ^{21, 22, 48} , QLA2342-E-SP ^{21, 22, 48}	FC-AL, FC-SW	N
43	PowerVault: 750N, 755N, 775N	PCI	Novell Netware 6.5 ^{23, 47}	QLogic: QLA2310F-E-SP ^{19, 20, 21, 22, 48} , QLA2340-E-SP ^{21, 22, 48} , QLA2342-E-SP ^{21, 22, 48}	FC-AL, FC-SW	N
44	PowerEdge: 1550, 1650, 2300, 2400, 2450, 2550 ⁴⁰ , 4300, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Novell Netware: 5.00 SP6A ^{18, 23, 42} , 5.10 SP2A ¹⁸ , 5.10 SP5 ¹⁸ , 5.10 SP6, 6.0 SP1 ^{18, 23, 25} , 6.0 SP2 ^{18, 23} , 6.0 SP3 ²³ , 6.5 ^{23, 47}	Emulex LP9002-E (LP9002L-E) ^{43, 44, 45}	FC-AL, FC-SW	N
45	PowerEdge 2500	PCI	Novell Netware: 5.00 SP6A ^{18, 23, 42} , 5.10 SP2A ¹⁸ , 6.0 SP1 ^{18, 23} , 6.0 SP2 ^{18, 23} , 6.0 SP3 ²³ , 6.5 ^{23, 47}	Emulex LP9002-E (LP9002L-E) ^{44, 45}	FC-AL, FC-SW	N
46	PowerEdge 8450	PCI	Novell Netware: 5.00 SP6A ^{18, 42} , 5.10 SP2A ¹⁸ , 5.10 SP2 ¹⁸ , 5.10 SP5 ^{4, 18} , 5.10 SP6, 6.0 SP1 ^{18, 23, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³ , 6.5 ^{23, 47}	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 39, 46}	FC-AL, FC-SW	N
47	PowerEdge 8450	PCI	Novell Netware: 5.00 SP6A ^{18, 42} , 5.10 SP2A ¹⁸ , 5.10 SP2 ¹⁸ , 5.10 SP5 ^{4, 18} , 5.10 SP6, 6.0 SP1 ^{18, 23, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³ , 6.5 ^{23, 47}	IBM 00N6881 (QLA2200) ^{29, 30, 32, 33}	FC-AL, FC-SW	N
48	PowerEdge 1650	PCI	Novell Netware: 5.00 SP6A ^{18, 42} , 5.10 SP5 ^{4, 18} , 5.10 SP6, 6.0 SP1 ^{18, 23, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 39, 46}	FC-AL, FC-SW	Y5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17
49	PowerEdge: 1550, 2400, 2450, 2500, 2550 ⁴⁰ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware: 5.00 SP6A ^{18, 42} , 5.10 SP5 ^{4, 18} , 5.10 SP6, 6.0 SP1 ^{18, 23, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 39, 46}	FC-AL, FC-SW	Y5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
50	PowerEdge: 2300, 6400	PCI	Novell Netware: 5.00 SP6A ^{18, 42} , 5.10 SP5 ^{4, 18} , 5.10 SP6, 6.0 SP1 ^{18, 23, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³ , 6.5 ^{23, 47}	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 39, 46}	FC-AL, FC-SW	N

Dell – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
51	PowerEdge: 1550, 1650, 2400, 2450, 2500, 2550 ⁴⁰ , 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware: 5.00 SP6A ^{18, 42} , 6.5 ^{23, 47}	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 39, 46}	FC-AL, FC-SW	N
52	PowerEdge: 1550, 2500, 2550 ⁴⁰	PCI	Novell Netware: 5.10 SP2A ¹⁸ , 6.0 SP1 ^{18, 23} , 6.0 SP2 ^{18, 23} , 6.0 SP3 ²³ , 6.5 ^{23, 47}	QLogic QLA2300F-E-SP ^{19, 20, 21}	FC-AL, FC-SW	N
53	PowerEdge 1650	PCI	Novell Netware: 5.10 SP5 ^{4, 18} , 6.0 SP1 ^{18, 23, 25, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 5, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
54	PowerEdge: 2400, 2450, 4300, 4400, 6100, 6300, 6350, 6450	PCI	Novell Netware: 5.10 SP5 ^{4, 18} , 6.0 SP1 ^{18, 23, 25, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
55	PowerEdge: 1550, 2500	PCI	Novell Netware: 5.10 SP5 ^{4, 18} , 6.0 SP1 ^{18, 23, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26, 28
56	PowerEdge: 1750, 2600, 2650, 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{18, 23, 42}	QLogic: QLA2300F-E-SP ^{19, 20} , QLA2310F-E-SP ^{19, 20, 22} , QLA2340-E-SP ^{19, 20, 22} , QLA2342-E-SP ^{19, 20, 22, 24}	FC-AL, FC-SW	N
57	PowerEdge: 1750, 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{18, 23, 42}	QLogic: QLA2310F-E-SP ^{19, 20, 22} , QLA2340-E-SP ^{19, 20, 22} , QLA2342-E-SP ^{19, 20, 22, 24}	FC-AL, FC-SW	Y1, 2, 15
58	PowerEdge: 2600, 2650	PCI-X	Novell Netware 5.00 SP6A ^{18, 23, 42}	QLogic: QLA2310F-E-SP ^{19, 20, 22} , QLA2340-E-SP ^{19, 20, 22} , QLA2342-E-SP ^{19, 20, 22, 24}	FC-AL, FC-SW	Y1, 2, 15, 26
59	PowerEdge 1750	PCI-X	Novell Netware 5.00 SP6A ^{18, 42}	QLogic QLA2200F-EMC ^{27, 34}	FC-AL, FC-SW	Y5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17
60	PowerEdge: 1750, 2600, 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{18, 42}	QLogic QLA2200F-EMC ^{27, 34}	FC-AL, FC-SW	N
61	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{18, 42}	QLogic QLA2200F-EMC ^{27, 34}	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
62	PowerEdge 2650	PCI-X	Novell Netware 5.00 SP6A ^{18, 42}	QLogic QLA2200F-EMC ^{5, 16, 27, 34}	FC-AL, FC-SW	N, Y4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17
63	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 5.00 SP6A ^{18, 42}	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 39, 46}	FC-AL, FC-SW	Y4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
64	PowerEdge 2600	PCI-X	Novell Netware 5.10 SP2A ¹⁸	QLogic QLA2310F-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 15, 17, 26
65	PowerEdge 2650	PCI-X	Novell Netware 5.10 SP2A ¹⁸	QLogic: QLA2310F-E-SP ^{19, 20, 21, 22} , QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 15, 17, 26
66	PowerEdge: 1750, 4600, 6600	PCI-X	Novell Netware 5.10 SP2A ¹⁸	QLogic: QLA2310F-E-SP ^{19, 20, 21, 22} , QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 15, 17
67	PowerEdge 6650	PCI-X	Novell Netware 5.10 SP5 ^{4, 18}	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
68	PowerEdge 1750	PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{19, 20, 21, 22, 41}	FC-AL, FC-SW	Y1, 2, 5, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
69	PowerEdge 2600	PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{19, 20, 21, 22, 41}	FC-AL, FC-SW	Y1, 2, 15, 17, 26
70	PowerEdge 2650	PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{19, 20, 21, 22, 41}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26, 28
71	PowerEdge 6650	PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{19, 20, 21, 22, 41}	FC-AL, FC-SW	Y1, 2, 15, 17
72	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{19, 20, 21, 22, 41}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
73	PowerEdge 6650	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ ; Novell Netware 6.0: SP1 ^{18, 23, 25} , SP2 ^{18, 23} , SP3 ²³	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 15, 17
74	PowerEdge 6650	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ , SP5 ^{4, 18} , SP6; Novell Netware 6.0: SP1 ^{18, 23, 25} , SP1 ^{18, 23, 35} , SP2 ^{18, 23} , SP2 ^{18, 23, 35} , SP3 ²³	QLogic QLA2342-E-SP ^{19, 20, 21, 22, 24}	FC-AL, FC-SW	Y1, 2, 15, 17
75	PowerEdge 6650	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ , SP6; Novell Netware 6.0: SP1 ^{18, 23, 25} , SP2 ^{18, 23} , SP3 ²³	QLogic QLA2310F-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 15, 17
76	PowerEdge: 1750, 2650, 4600	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ , SP6; Novell Netware 6.0: SP1 ^{18, 23, 25} , SP2 ^{18, 23} , SP3 ²³ ; Novell Netware 6.5 ^{23, 47}	QLogic QLA2300F-E-SP ^{19, 20, 21}	FC-AL, FC-SW	N
77	PowerEdge: 6600, 6650	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ¹⁸ , SP6; Novell Netware 6.0: SP1 ^{18, 23} , SP2 ^{18, 23} , SP3 ²³ ; Novell Netware 6.5 ^{23, 47}	QLogic QLA2300F-E-SP ^{19, 20, 21}	FC-AL, FC-SW	N

Dell – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
78	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ⁴ , 18; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2340-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 15, 17, 26
79	PowerEdge 2650	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 25, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2342-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 15, 17, 26
80	PowerEdge: 1750, 4600, 6600	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 25, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2342-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 15, 17
81	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP2A ¹⁸ , SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2342-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 15, 17, 26
82	PowerEdge 2650	PCI-X	Novell Netware 5.10: SP5 ¹⁸ , 35, 36, SP6	QLogic QLA2200F-EMC ⁵ , 16, 21, 27, 34	FC-AL, FC-SW	Y4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17
83	PowerEdge 2650	PCI-X	Novell Netware 5.10: SP5 ¹⁸ , SP6	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26
84	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 5.10: SP5 ¹⁸ , SP6	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
85	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 5.10: SP5 ¹⁸ , SP6	QLogic: QLA2200F-EMC ²¹ , 27, QLA2202F-EMC ⁵ , 16, 19, 27, 34, 37, 39, 46	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
86	PowerEdge 1750	PCI-X	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 25, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17
87	PowerEdge 1750	PCI-X	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2200F-EMC ²¹ , 27, 34	FC-AL, FC-SW	Y5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17
88	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 15, 17, 26
89	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic: QLA2310F-E-SP ²⁰ , 21, 22, 24, QLA2340-E-SP ²⁰ , 21, 22	FC-AL, FC-SW	N
90	PowerEdge 2600	PCI-X	Novell Netware 5.10: SP5 ⁴ , 18, SP6; Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³ ; Novell Netware 6.5 ²³ , 47	QLogic QLA2200F-EMC ²¹ , 27, 34	FC-AL, FC-SW	N
91	PowerEdge 6650	PCI-X	Novell Netware 6.0 SP1 ¹⁸ , 23	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
92	PowerEdge: 4600, 6600	PCI-X	Novell Netware 6.0 SP1 ¹⁸ , 23, 25	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
93	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 6.0 SP1 ¹⁸ , 23, 35, 36	QLogic: QLA2200F-EMC ⁵ , 16, 21, 27, 34, QLA2202F-EMC ⁵ , 16, 19, 27, 34, 37, 39, 46	FC-AL, FC-SW	Y6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17
94	PowerEdge 2650	PCI-X	Novell Netware 6.0: SP1 ¹⁸ , 23, 25, SP2 ¹⁸ , 23, SP3 ²³	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26
95	PowerEdge 2650	PCI-X	Novell Netware 6.0: SP1 ¹⁸ , 23, 35, 36, SP2 ¹⁸ , 23, 35, 36, SP3 ²³	QLogic: QLA2200F-EMC ⁵ , 16, 21, 27, 34, QLA2202F-EMC ⁵ , 16, 19, 27, 34, 37, 39, 46	FC-AL, FC-SW	Y6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17
96	PowerEdge 6650	PCI-X	Novell Netware 6.0: SP1 ¹⁸ , 23, 35, SP2 ¹⁸ , 23, 35, SP3 ²³	QLogic QLA2340-E-SP ²⁰ , 21, 22	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
97	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 6.0: SP2 ¹⁸ , 23, SP3 ²³	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22, 24	FC-AL, FC-SW	Y1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
98	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 6.0: SP2 ¹⁸ , 23, SP3 ²³	QLogic: QLA2200F-EMC ²¹ , 27, 34, QLA2202F-EMC ⁵ , 16, 19, 27, 34, 37, 39, 46	FC-AL, FC-SW	Y5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
99	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware 6.0: SP2 ¹⁸ , 23, SP3 ²³ ; Novell Netware 6.5 ²³ , 47	IBM 19K1246(QLA2310) ²⁹ , 30, 31, 32	FC-AL, FC-SW	N
100	PowerEdge 6650	PCI-X	Novell Netware 6.5 ²³ , 47	QLogic: QLA2200F-EMC ²¹ , 27, 34, QLA2310F-E-SP ¹⁹ , 20, 21, 22, 24, 48, QLA2310F-E-SP ¹⁹ , 20, 21, 22, 48, QLA2340-E-SP ²¹ , 22, 48, QLA2342-E-SP ²¹ , 22, 48	FC-AL, FC-SW	N
101	PowerEdge: 1750, 4600, 6600	PCI-X	Novell Netware 6.5 ²³ , 47	QLogic: QLA2200F-EMC ²¹ , 27, 34, QLA2310F-E-SP ¹⁹ , 20, 21, 22, 24, 48, QLA2340-E-SP ²¹ , 22, 48, QLA2342-E-SP ²¹ , 22, 48	FC-AL, FC-SW	N

Dell – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
102	PowerEdge 2650	PCI-X	Novell Netware 6.5 ^{23, 47}	QLogic: QLA2200F-EMC ^{5, 16, 21, 27, 34} , QLA2310F-E-SP ^{19, 20, 21, 22, 48} , QLA2340-E-SP ^{21, 22, 48} , QLA2342-E-SP ^{21, 22, 48}	FC-AL, FC-SW	N
103	PowerEdge 2600	PCI-X	Novell Netware 6.5 ^{23, 47}	QLogic: QLA2310F-E-SP ^{19, 20, 21, 22, 24, 48} , QLA2340-E-SP ^{21, 22, 48} , QLA2342-E-SP ^{21, 22, 48}	FC-AL, FC-SW	N
104	PowerEdge: 1750, 2600, 2650, 4600, 6600, 6650	PCI-X	Novell Netware: 5.00 SP6A ^{18, 23, 42} , 5.10 SP2A ^{18, 5.10 SP5¹⁸, 5.10 SP6, 6.0 SP1^{18, 23, 25}, 6.0 SP2^{18, 23}, 6.0 SP3²³, 6.5^{23, 47}}	Emulex LP9002-E (LP9002L-E) ^{43, 44, 45}	FC-AL, FC-SW	N
105	PowerEdge 2650	PCI-X	Novell Netware: 5.00 SP6A ^{18, 42} , 5.10 SP5 ^{18, 35} , 36, 5.10 SP6	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 39, 46}	FC-AL, FC-SW	Y4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17
106	PowerEdge 1750	PCI-X	Novell Netware: 5.00 SP6A ^{18, 42} , 5.10 SP5 ^{4, 18} , 5.10 SP6, 6.0 SP1 ^{18, 23, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 39, 46}	FC-AL, FC-SW	Y5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17
107	PowerEdge 2600	PCI-X	Novell Netware: 5.00 SP6A ^{18, 42} , 5.10 SP5 ^{4, 18} , 5.10 SP6, 6.0 SP1 ^{18, 23, 35} , 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³ , 6.5 ^{23, 47}	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 39, 46}	FC-AL, FC-SW	N
108	PowerEdge: 4600, 6600, 6650	PCI-X	Novell Netware: 5.00 SP6A ^{18, 42} , 6.0 SP2 ^{18, 23} , 6.0 SP3 ²³ , 6.5 ^{23, 47}	IBM 00N6881 (QLA2200) ^{29, 30, 32, 33}	FC-AL, FC-SW	N
109	PowerEdge: 1750, 2650, 4600, 6600, 6650	PCI-X	Novell Netware: 5.00 SP6A ^{18, 42} , 6.5 ^{23, 47}	QLogic QLA2202F-EMC ^{5, 16, 19, 27, 34, 37, 39, 46}	FC-AL, FC-SW	N
110	PowerEdge 2600	PCI-X	Novell Netware: 5.10 SP2A ¹⁸ , 6.0 SP1 ^{18, 23} , 6.0 SP2 ^{18, 23} , 6.0 SP3 ²³ , 6.5 ^{23, 47}	QLogic QLA2300F-E-SP ^{19, 20, 21}	FC-AL, FC-SW	N
111	PowerEdge 1750	PCI-X	Novell Netware: 5.10 SP5 ^{4, 18} , 6.0 SP1 ^{18, 23, 25} , 35, 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 5, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28
112	PowerEdge 2650	PCI-X	Novell Netware: 5.10 SP5 ^{4, 18} , 6.0 SP1 ^{18, 23, 25} , 35, 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 26, 28
113	PowerEdge: 4600, 6600	PCI-X	Novell Netware: 5.10 SP5 ^{4, 18} , 6.0 SP1 ^{18, 23, 25} , 35, 6.0 SP2 ^{18, 23, 35} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28

- Edit config.sys with the following: Files=100 Buffers=99
- When installing NetWare for fabric boot (when operating system is not installed in the local host) on the Symmetrix, create only one LUN and then perform the install. To install a second server that will be fabric boot, repeat the process by creating one additional LUN and then loading the operating system to it. Continue this process until the desired number of fabric boot servers have been reached. Conditions exist where several LUNs are initially created and you perform your first install, NetWare will sometimes acquire and stripe the operating system across several of the newly created LUNs.
- FC-SW applies only to CX600, CX400, CX200, FC4500, FC4700 and FC5300. FC5300 with FC-SW available from selected channels.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- Novell Storage Services supported.
- Powerpath & ATF supported.
- FC-SW environments using Brocade 2800 or EMC DS-16B require switch firmware 2.5.0d or greater.
- Remote boot not supported with PERC controllers enabled in system BIOS.
- Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- To enable failover with fabric boot DOSFAT.NSS must be loaded from the autoexec.ncf. In a failed condition the c:\ partition will not failover correctly but the DOSFAT_C: partition will.
- PowerPath and ATF supported.
- NetWare boot support is contingent on migration of the DOS boot partition to an NSS partition. NetWare will warn you of the possibility of data corruption if you convert the DOS boot partition to an NSS partition. The risk of data corruption is during I/O to the C: drive while in the NetWare debugger, or while writing reboot log files during an "Auto Restart After Abend". When you load DOSFAT, please set "Auto Restart After Abend" to 0 to avoid the possibility of data corruption.
- Maximum number of NWFS volumes that can be mounted is 64.
- Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
- Driver Version 6.51a.
- Driver Version v6.51a.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- Support for CX600, CX400, FC4500, FC4700, and FC5300. (FC5300 requires copper to Fibre transceiver.)
- PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.
- DOS boot device maximum accessible capacity is 2GB. Netware SYS volume must be in LUN 0.
- Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.
- PowerPath supported. ATF/CDE not supported.
- Driver Version 6.v. Supports persistent binding and only supports Class 3.
- Driver Version 6.50v.
- This HBA is equivalent to the qLogic QLA2310.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- (QLA2200) For IBM xSeries and Netfinity servers only.
- Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.**
- HPQ Proliant servers with ATF and Powerpath requires use of SCSIHD in place of CPQSHD.
- For ATF on Pre CX series, Multipath support or connections to the secondary port are not supported at this time. One path per SP, 2 HBAs per host.
- Requires HBA bios 1.83.**
- Requires HBA firmware revision 1.83, available at <http://www.qlogic.com>**
- Requires SP4 or higher for NetWare 5.00.**
- Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- Firmware Version v1.34.
- Requires NWPA.NLM V.3.07A update from Novell website.
- PowerPath not currently supported.
- Requires BIOS version 2.02e.
- Driver Version 3.90a7.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
- Firmware Version 1.34.

HPQ

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 8000 ^{31, 32} , 8500, 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.00 SP6A ^{16, 23, 35}	QLogic: QLA2300F-E-SP ^{18, 20} QLA2310F-E-SP ^{18, 20, 21} QLA2340-E-SP ^{18, 20, 21} QLA2342-E-SP ^{18, 19, 20, 21}	FC-AL, FC-SW	N
2	Netserver LH: (LH Pro), 4, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.00 SP6A ^{16, 23, 35}	QLogic: QLA2310F-E-SP ^{18, 20, 21} QLA2340-E-SP ^{18, 20, 21} QLA2342-E-SP ^{18, 19, 20, 21}	FC-AL, FC-SW	Y1, 2, 13
3	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 8000 ^{31, 32} , 8500, 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380(G3) ²⁸ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2200F-EMC ^{25, 26}	FC-AL, FC-SW	N
4	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 8500, 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380(G3) ²⁸ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2200F-EMC ^{25, 26}	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
5	Netserver LC: 2000 U3, 2000r	PCI	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2200F-EMC ²⁶	FC-AL, FC-SW	N
6	Netserver LH PRO	PCI	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2200F-EMC ^{26, 29}	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17
7	Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2200F-EMC ^{26, 29}	FC-AL, FC-SW	N
8	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2200F-EMC ^{26, 29}	FC-AL, FC-SW	Y4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
9	Netserver LH PRO	PCI	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2202F-EMC ^{4, 14, 18, 25, 26, 29, 39, 40}	FC-AL, FC-SW	Y4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17
10	Netserver LH: 3, 3000, 6000; Proliant: 8000 ^{31, 32} , 8500	PCI	Novell Netware 5.10 SP2A ¹⁶	QLogic QLA2310F-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	N
11	Netserver: LH (LH Pro), LT 6000R	PCI	Novell Netware 5.10 SP2A ¹⁶	QLogic QLA2310F-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 13, 15
12	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380(G3) ²⁸ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.10 SP2A ¹⁶	QLogic: QLA2310F-E-SP ^{18, 20, 21, 22} QLA2340-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 13, 15
13	Proliant ML750 ³¹	PCI	Novell Netware 5.10 SP5 ¹⁶	QLogic QLA2340-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 13, 15, 28
14	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380(G3) ²⁸ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.10 SP5 ^{16, 17}	QLogic QLA2340-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
15	Proliant DL380(G3) ²⁸	PCI	Novell Netware 5.10 SP5 ^{16, 17}	QLogic QLA2340-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
16	Proliant 8500	PCI	Novell Netware 5.10 SP5 ^{16, 17}	QLogic QLA2340-E-SP ^{20, 21, 22}	FC-AL, FC-SW	Y3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
17	Proliant DL580(G2) ³¹	PCI	Novell Netware 5.10 SP5 ^{16, 17}	QLogic QLA2340-E-SP ^{20, 21, 22}	FC-AL, FC-SW	Y1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
18	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{18, 20, 21, 22, 34}	FC-AL, FC-SW	Y1, 2, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
19	Netserver: LH (LH Pro), LT 6000R	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{18, 20, 21, 22, 34}	FC-AL, FC-SW	Y1, 2, 13, 15
20	Proliant ML750 ³¹	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{18, 20, 21, 22, 34}	FC-AL, FC-SW	Y1, 2, 13, 15, 28
21	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380(G3) ²⁸ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{18, 20, 21, 22, 34}	FC-AL, FC-SW	Y1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
22	Proliant DL380(G3) ²⁸	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{19, 20, 21, 22, 34}	FC-AL, FC-SW	Y1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
23	Netserver LH PRO	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{20, 21, 22, 34}	FC-AL, FC-SW	Y4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
24	Proliant 8500	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP20, 21, 22, 34	FC-AL, FC-SW	Y3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
25	Proliant DL580(G2) ³¹	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP20, 21, 22, 34	FC-AL, FC-SW	Y1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
26	Netserver: LH (LH Pro), LT 6000R	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , 17; Novell Netware 6.0: SP1 ¹⁶ , 23, 24, SP2 ¹⁶ , 23, 24, SP3 ²³	QLogic QLA2340-E-SP18, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15
27	Netserver LP 2000r; Proliant: DL320 ³¹ , ML350(G2) ³¹ , ML350(G3), ML370(G2), ML370(G3), ML750 ²⁸	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 23, 24, 30, SP2 ¹⁶ , 23, 24, SP3 ²³	QLogic QLA2342-E-SP18, 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15
28	Netserver LH: (LH Pro), 4, II, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 850 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350 ³¹ , ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 23, 24, SP2 ¹⁶ , 23, 24, SP3 ²³	QLogic QLA2342-E-SP18, 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15
29	Netserver LH: 3, 3000, 6000, PRO; Proliant: 8000 ^{31, 32} , 8500	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 23, 24, SP2 ¹⁶ , 23, 24, SP3 ²³	QLogic: QLA2340-E-SP18, 20, 21, 22, QLA2342-E-SP18, 19, 20, 21, 22	FC-AL, FC-SW	N
30	Netserver LC 2000 U3	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 23, SP2 ¹⁶ , 23, SP3 ²³	QLogic QLA2310F-E-SP18, 20, 21, 22	FC-AL, FC-SW	N
31	Netserver LC 2000r	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 23, SP2 ¹⁶ , 23, SP3 ²³	QLogic: QLA2310F-E-SP18, 20, 21, 22, QLA2340-E-SP18, 20, 21, 22, QLA2342-E-SP18, 19, 20, 21, 22	FC-AL, FC-SW	N
32	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 8000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , SP6; Novell Netware 6.0: SP1 ¹⁶ , 23, 30, SP2 ¹⁶ , 23, SP3 ²³ ; Novell Netware 6.5 ^{23, 41}	QLogic QLA2300F-E-SP18, 20, 22	FC-AL, FC-SW	N
33	Netserver LH PRO	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , SP6; Novell Netware 6.0: SP1 ¹⁶ , 23, SP2 ¹⁶ , 23, SP3 ²³	QLogic QLA2310F-E-SP18, 20, 21, 22	FC-AL, FC-SW	N
34	Netserver LC 2000 U3	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , SP6; Novell Netware 6.0: SP1 ¹⁶ , 23, SP2 ¹⁶ , 23, SP3 ²³	QLogic: QLA2340-E-SP18, 20, 21, 22, QLA2342-E-SP18, 19, 20, 21, 22	FC-AL, FC-SW	N
35	Netserver LC 2000 U3	PCI	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , SP6; Novell Netware 6.0: SP1 ¹⁶ , 23, SP2 ¹⁶ , 23, SP3 ²³ ; Novell Netware 6.5 ^{23, 41}	QLogic QLA2200F-EMC ²² , 26	FC-AL, FC-SW	N
36	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380(G3) ²⁸ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6	QLogic QLA2200F-EMC ²² , 25, 26	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
37	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380 ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6	QLogic QLA2310F-E-SP18, 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
38	Proliant ML750 ³¹	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6	QLogic QLA2310F-E-SP18, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15, 28
39	Proliant: DL380(G3) ²⁸ , DL580(G2) ³¹	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6	QLogic QLA2310F-E-SP19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
40	Proliant DL380(G3) ²⁸	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6	QLogic QLA2342-E-SP18, 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15
41	Proliant 8500	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6	QLogic: QLA2200F-EMC ²² , 25, 26, QLA2310F-E-SP19, 20, 21, 22	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
42	Netserver LP 2000r	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 23, 24, 30, SP2 ¹⁶ , 23, 24, SP3 ²³	QLogic QLA2310F-E-SP18, 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
43	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 23, 24, SP2 ¹⁶ , 23, 24, SP3 ²³	QLogic QLA2200F-EMC ²² , 26, 29	FC-AL, FC-SW	Y4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
44	Netserver LH: 3, 3000, 6000; Proliant: 8000 ^{31, 32} , 8500	PCI	Novell Netware 5.10: SP5 ^{16, 17} , SP6; Novell Netware 6.0: SP1 ^{16, 23, 24} , SP2 ^{16, 23, 24} , SP3 ²³	QLogic QLA2310F-E-SP ^{18, 19, 20, 21, 22}	FC-AL, FC-SW	N
45	Netserver LH: 4, II, III; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 5.10: SP5 ^{16, 17} , SP6; Novell Netware 6.0: SP1 ^{16, 23, 24} , SP2 ^{16, 23, 24} , SP3 ²³	QLogic QLA2310F-E-SP ^{18, 19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
46	Netserver: LH (LH Pro), LT 6000R	PCI	Novell Netware 5.10: SP5 ^{16, 17} , SP6; Novell Netware 6.0: SP1 ^{16, 23, 24} , SP2 ^{16, 23, 24} , SP3 ²³	QLogic QLA2310F-E-SP ^{18, 19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 13, 15
47	Netserver: LH (LH Pro), LT 6000R	PCI	Novell Netware 5.10: SP5 ^{16, 17} , SP6; Novell Netware 6.0: SP1 ^{16, 23, 24} , SP2 ^{16, 23, 24} , SP3 ²³	QLogic: QLA2310F-E-SP ^{19, 20, 21, 22} , QLA2340-E-SP ^{20, 21, 22}	FC-AL, FC-SW	N
48	Proliant 8000 ^{31, 32}	PCI	Novell Netware 5.10: SP5 ^{16, 17} , SP6; Novell Netware 6.0: SP1 ^{16, 23, 24} , SP2 ^{16, 23, 24} , SP3 ²³ . Novell Netware 6.5 ^{23, 41}	QLogic QLA2200F-EMC ^{22, 25, 26}	FC-AL, FC-SW	N
49	Netserver LH: (LH Pro), 3, 3000, 6000; Netserver LT 6000R	PCI	Novell Netware 5.10: SP5 ^{16, 17} , SP6; Novell Netware 6.0: SP1 ^{16, 23, 24} , SP2 ^{16, 23, 24} , SP3 ²³ . Novell Netware 6.5 ^{23, 41}	QLogic QLA2200F-EMC ^{22, 26, 29}	FC-AL, FC-SW	N
50	Netserver LC 2000r	PCI	Novell Netware 5.10: SP5 ^{16, 17} , SP6	QLogic QLA2200F-EMC ^{22, 26}	FC-AL, FC-SW	N
51	Proliant ML750 ³¹	PCI	Novell Netware 5.10: SP5 ^{16, 17} , SP6	QLogic QLA2342-E-SP ^{18, 19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 13, 15, 28
52	Netserver LH PRO	PCI	Novell Netware 5.10: SP5 ^{16, 17} , SP6	QLogic: QLA2200F-EMC ^{22, 26} , QLA2202F-EMC ^{4, 14, 18, 25, 26, 29, 39, 40} , QLA2310F-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17
53	Proliant: DL320 ³¹ , ML350(G2) ³¹ , ML350(G3) , ML370(G2), ML370(G3), ML750 ²⁸	PCI	Novell Netware 6.0: SP1 ^{16, 23, 24, 30} , SP2 ^{16, 23, 24} , SP3 ²³	QLogic QLA2310F-E-SP ^{18, 19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
54	Proliant: DL320 ³¹ , ML350(G2) ³¹ , ML350(G3) , ML370(G2), ML370(G3), ML750 ²⁸	PCI	Novell Netware 6.0: SP1 ^{16, 23, 24, 30} , SP2 ^{16, 23, 24} , SP3 ²³	QLogic QLA2340-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
55	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 850 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380(G3) ²⁸ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350 ³¹ , ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹	PCI	Novell Netware 6.0: SP1 ^{16, 23, 24} , SP2 ^{16, 23, 24} , SP3 ²³	QLogic QLA2310F-E-SP ^{18, 19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
56	Proliant DL380(G3) ²⁸	PCI	Novell Netware 6.0: SP1 ^{16, 23, 24} , SP2 ^{16, 23, 24} , SP3 ²³	QLogic QLA2340-E-SP ^{18, 19, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
57	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 850 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350 ³¹ , ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹	PCI	Novell Netware 6.0: SP1 ^{16, 23, 24} , SP2 ^{16, 23, 24} , SP3 ²³	QLogic QLA2340-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
58	Proliant 8500	PCI	Novell Netware 6.0: SP1 ^{16, 23, 24} , SP2 ^{16, 23, 24} , SP3 ²³	QLogic QLA2340-E-SP ^{20, 21, 22}	FC-AL, FC-SW	Y3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
59	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380(G3) ²⁸ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3) , ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 6.0: SP1 ^{16, 23, 24} , SP2 ^{16, 23, 24} , SP3 ²³	QLogic: QLA2200F-EMC ^{22, 25, 26} , QLA2202F-EMC ^{4, 14, 18, 25, 26, 29, 39, 40}	FC-AL, FC-SW	Y3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
60	Proliant 8500	PCI	Novell Netware 6.0: SP1 ^{16, 23, 24} , SP2 ^{16, 23, 24} , SP3 ²³	QLogic: QLA2200F-EMC ^{22, 25, 26} , QLA2202F-EMC ^{4, 14, 18, 25, 26, 29, 39, 40} , QLA2310F-E-SP ^{19, 20, 21, 22}	FC-AL, FC-SW	Y3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
61	Netserver LH PRO	PCI	Novell Netware 6.0: SP1 ^{16, 23, 24} , SP2 ^{16, 23, 24} , SP3 ²³	QLogic: QLA2200F-EMC ^{22, 26, 29} , QLA2202F-EMC ^{4, 14, 18, 25, 26, 29, 39, 40}	FC-AL, FC-SW	Y4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
62	Netserver LH PRO	PCI	Novell Netware 6.0: SP1 ^{16, 23} , SP2 ^{16, 23} , SP3 ²³	QLogic QLA2310F-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
63	Proliant DL380(G3) ²⁸	PCI	Novell Netware 6.5 ^{23, 41}	QLogic: QLA2200F-EMC ^{22, 25, 26} , QLA2310F-E-SP ^{18, 19, 20, 21, 22, 42} , QLA2340-E-SP ^{21, 22, 42}	FC-AL, FC-SW	N
64	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 8500, 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3) , ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware 6.5 ^{23, 41}	QLogic: QLA2200F-EMC ^{22, 25, 26} , QLA2310F-E-SP ^{18, 19, 20, 21, 22, 42} , QLA2340-E-SP ^{21, 22, 42} , QLA2342-E-SP ^{21, 22, 42}	FC-AL, FC-SW	N
65	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware 6.5 ^{23, 41}	QLogic: QLA2200F-EMC ^{22, 26, 29} , QLA2310F-E-SP ^{18, 19, 20, 21, 22, 42} , QLA2340-E-SP ^{21, 22, 42} , QLA2342-E-SP ^{21, 22, 42}	FC-AL, FC-SW	N

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
66	Netserver LH PRO	PCI	Novell Netware 6.5 ^{23, 41}	QLogic: QLA2200F-EMC ^{22, 26, 29} , QLA2310F-E-SP ^{18, 20, 21, 22, 42} , QLA2340-E-SP ^{21, 22, 42} , QLA2342-E-SP ^{21, 22, 42}	FC-AL, FC-SW	N
67	Netserver LH: (LH Pro), 3, 3000, 6000; Netserver LT 6000R; Proliant 8000 ^{31, 32}	PCI	Novell Netware 6.5 ^{23, 41}	QLogic: QLA2310F-E-SP ^{18, 19, 20, 21, 22, 42} , QLA2340-E-SP ^{21, 22, 42} , QLA2342-E-SP ^{21, 22, 42}	FC-AL, FC-SW	N
68	Netserver LC: 2000 U3, 2000r	PCI	Novell Netware 6.5 ^{23, 41}	QLogic: QLA2310F-E-SP ^{18, 20, 21, 22, 42} , QLA2340-E-SP ^{21, 22, 42} , QLA2342-E-SP ^{21, 22, 42}	FC-AL, FC-SW	N
69	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380(G2) ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware: 5.00 SP6A ^{16, 23, 35} , 5.10 SP2A ¹⁶ , 5.10 SP5 ¹⁶ , 5.10 SP6, 6.0 SP1 ^{16, 23, 30} , 6.0 SP2 ^{16, 23} , 6.0 SP3 ²³ , 6.5 ^{23, 41}	Emulex LP9002-E (LP9002L-E) ^{36, 37, 38}	FC-AL, FC-SW	N
70	Proliant 8500	PCI	Novell Netware: 5.00 SP6A ^{16, 23, 35} , 5.10 SP2A ¹⁶ , 6.0 SP1 ^{16, 23} , 6.0 SP2 ^{16, 23} , 6.0 SP3 ²³ , 6.5 ^{23, 41}	Emulex LP9002-E (LP9002L-E) ^{37, 38}	FC-AL, FC-SW	N
71	Netserver LC 2000 U3	PCI	Novell Netware: 5.00 SP6A ^{16, 35} , 5.10 SP2A ¹⁶ , 5.10 SP5 ¹⁶ , 5.10 SP6, 6.0 SP1 ^{16, 23} , 6.0 SP2 ^{16, 23} , 6.0 SP3 ²³ , 6.5 ^{23, 41}	QLogic QLA2202F-EMC ⁴ , 14, 18, 25, 26, 29, 39, 40	FC-AL, FC-SW	N
72	Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 8500, 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380(G3) ²⁸ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware: 5.00 SP6A ^{16, 35} , 5.10 SP5 ¹⁶ , 17, 5.10 SP6	QLogic QLA2202F-EMC ⁴ , 14, 18, 25, 26, 29, 39, 40	FC-AL, FC-SW	Y ^{3, 4, 5} , 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
73	Netserver LH: 4, II, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware: 5.00 SP6A ^{16, 35} , 5.10 SP5 ¹⁶ , 17, 5.10 SP6, 6.0 SP1 ^{16, 23, 24} , 6.0 SP2 ^{16, 23, 24} , 6.0 SP3 ²³	QLogic QLA2202F-EMC ⁴ , 14, 18, 25, 26, 29, 39, 40	FC-AL, FC-SW	Y ^{4, 5, 6} , 7, 8, 9, 10, 11, 12, 13, 14, 15
74	Netserver LH: (LH Pro), 3, 3000, 6000; Netserver LT 6000R; Proliant 8000 ^{31, 32}	PCI	Novell Netware: 5.00 SP6A ^{16, 35} , 5.10 SP5 ¹⁶ , 17, 5.10 SP6, 6.0 SP1 ^{16, 23, 24} , 6.0 SP2 ^{16, 23, 24} , 6.0 SP3 ²³ , 6.5 ^{23, 41}	QLogic QLA2202F-EMC ⁴ , 14, 18, 25, 26, 29, 39, 40	FC-AL, FC-SW	N
75	Netserver LC 2000r	PCI	Novell Netware: 5.00 SP6A ^{16, 35} , 5.10 SP5 ¹⁶ , 5.10 SP6	QLogic QLA2202F-EMC ⁴ , 14, 18, 25, 26, 29, 39, 40	FC-AL, FC-SW	N
76	Netserver LH: 4, II, PRO, III; Netserver: LP 2000r, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{31, 33} , 1850 ³¹ , 2500 ³¹ , 3000 ³¹ , 5000 ³¹ , 5500 ^{31, 32} , 6000 ^{31, 32} , 6400R ³¹ , 6500 ^{31, 32} , 7000 ^{31, 32} , 8500, 850 ³¹ , DL320 ³¹ , DL360(G2) ³¹ , DL360 ³¹ , DL380(G2) ³¹ , DL380(G3), DL380(G3) ²⁸ , DL380 ³¹ , DL580(G2) ³¹ , DL580 ³¹ , ML350(G2) ³¹ , ML350(G3), ML350 ³¹ , ML370(G2), ML370(G3), ML370 ³¹ , ML530(G2) ³¹ , ML530 ³¹ , ML570 ³¹ , ML750 ²⁸	PCI	Novell Netware: 5.00 SP6A ^{16, 35} , 6.5 ^{23, 41}	QLogic QLA2202F-EMC ⁴ , 14, 18, 25, 26, 29, 39, 40	FC-AL, FC-SW	N
77	Netserver LH (LH Pro); Proliant: 7000 ^{31, 32} , 8500	PCI	Novell Netware: 5.10 SP2A ¹⁶ , 6.0 SP1 ^{16, 23} , 6.0 SP2 ^{16, 23} , 6.0 SP3 ²³ , 6.5 ^{23, 41}	QLogic QLA2300F-E-SP ^{18, 20, 22}	FC-AL, FC-SW	N
78	Netserver LP 2000r	PCI	Novell Netware: 5.10 SP5 ¹⁶ , 17, 6.0 SP1 ^{16, 23, 24, 30} , 6.0 SP2 ^{16, 23, 24} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y ^{1, 2, 4} , 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
79	Netserver LH: 4, II, III; Netserver: LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Novell Netware: 5.10 SP5 ¹⁶ , 17, 6.0 SP1 ^{16, 23, 24} , 6.0 SP2 ^{16, 23, 24} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y ^{1, 2, 4} , 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
80	Netserver LH PRO	PCI	Novell Netware: 5.10 SP5 ¹⁶ , 17, 6.0 SP1 ^{16, 23, 24} , 6.0 SP2 ^{16, 23, 24} , 6.0 SP3 ²³	QLogic QLA2340-E-SP ^{20, 21, 22}	FC-AL, FC-SW	Y ^{4, 6, 7} , 8, 9, 10, 11, 12, 13, 14, 15, 27
81	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.00 SP6A ^{16, 23, 35}	QLogic: QLA2300F-E-SP ^{18, 20} , QLA2310F-E-SP ^{18, 20, 21} , QLA2340-E-SP ^{18, 20, 21} , QLA2342-E-SP ^{18, 19, 20, 21}	FC-AL, FC-SW	N
82	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.00 SP6A ^{16, 23, 35}	QLogic: QLA2310F-E-SP ^{18, 20, 21} , QLA2340-E-SP ^{18, 20, 21} , QLA2342-E-SP ^{18, 19, 20, 21}	FC-AL, FC-SW	Y ^{1, 2, 13}
83	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.00 SP6A ^{16, 35}	QLogic QLA2200F-EMC ^{25, 26}	FC-AL, FC-SW	N, Y ^{3, 4} , 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
84	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.10 SP2A ¹⁶	QLogic: QLA2310F-E-SP ^{18, 20, 21, 22} , QLA2340-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y ^{1, 2, 13} , 15
85	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.10 SP5 ¹⁶ , 17	QLogic QLA2340-E-SP ^{18, 20, 21, 22}	FC-AL, FC-SW	Y ^{1, 2, 3} , 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
86	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{18, 20, 21, 22, 34}	FC-AL, FC-SW	Y ^{1, 2, 3} , 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
87	Proliant: DL740, DL760 (G2), DL760 ³¹	PCI-X	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 23, 24, 30, SP2 ^{16, 23, 24} , SP3 ²³	QLogic QLA2342-E-SP ^{18, 19, 20, 21, 22}	FC-AL, FC-SW	Y ^{1, 2, 13} , 15

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
88	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 23, 24, SP2 ¹⁶ , 23, 24, SP3 ²³	QLogic QLA2342-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15
89	Proliant DL740	PCI-X	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , SP6; Novell Netware 6.0: SP1 ¹⁶ , 23, 30, SP2 ¹⁶ , 23, SP3 ²³ , Novell Netware 6.5 ²³ , 41	Emulex LP9002-E (LP9002L-E) ^{36, 37, 38}	FC-AL, FC-SW	N
90	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , SP6; Novell Netware 6.0: SP1 ¹⁶ , 23, 30, SP2 ¹⁶ , 23, SP3 ²³ , Novell Netware 6.5 ²³ , 41	QLogic QLA2300F-E-SP ¹⁸ , 20, 22	FC-AL, FC-SW	N
91	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6	QLogic QLA2200F-EMC ²² , 25, 26	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
92	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 5.10: SP5 ¹⁶ , 17, SP6	QLogic QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
93	Proliant: DL740, DL760 (G2), DL760 ³¹	PCI-X	Novell Netware 6.0: SP1 ¹⁶ , 23, 24, 30, SP2 ¹⁶ , 23, 24, SP3 ²³	QLogic QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
94	Proliant: DL740, DL760 (G2), DL760 ³¹	PCI-X	Novell Netware 6.0: SP1 ¹⁶ , 23, 24, 30, SP2 ¹⁶ , 23, 24, SP3 ²³	QLogic QLA2340-E-SP ¹⁸ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
95	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 6.0: SP1 ¹⁶ , 23, 24, SP2 ¹⁶ , 23, 24, SP3 ²³	QLogic QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
96	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Novell Netware 6.0: SP1 ¹⁶ , 23, 24, SP2 ¹⁶ , 23, 24, SP3 ²³	QLogic QLA2340-E-SP ¹⁸ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
97	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 6.0: SP1 ¹⁶ , 23, 24, SP2 ¹⁶ , 23, 24, SP3 ²³	QLogic: QLA2200F-EMC ²² , 25, 26, QLA2202F-EMC ⁴ , 14, 18, 25, 26, 29, 39, 40	FC-AL, FC-SW	Y3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
98	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware 6.5 ²³ , 41	QLogic: QLA2200F-EMC ²² , 25, 26, QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22, 42, QLA2340-E-SP ²¹ , 22, 42, QLA2342-E-SP ²¹ , 22, 42	FC-AL, FC-SW	N
99	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware: 5.00 SP6A ¹⁶ , 23, 35, 5.10 SP2A ¹⁶ , 5.10 SP5 ¹⁶ , 5.10 SP6, 6.0 SP1 ¹⁶ , 23, 30, 6.0 SP2 ¹⁶ , 23, 6.0 SP3 ²³ , 6.5 ²³ , 41	Emulex LP9002-E (LP9002L-E) ^{36, 37, 38}	FC-AL, FC-SW	N
100	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware: 5.00 SP6A ¹⁶ , 35, 5.10 SP5 ¹⁶ , 17, 5.10 SP6	QLogic QLA2202F-EMC ⁴ , 14, 18, 25, 26, 29, 39, 40	FC-AL, FC-SW	Y3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
101	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ³¹ , ML570(G2)	PCI-X	Novell Netware: 5.00 SP6A ¹⁶ , 35, 6.5 ²³ , 41	QLogic QLA2202F-EMC ⁴ , 14, 18, 25, 26, 29, 39, 40	FC-AL, FC-SW	N
102	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ¹⁶ , 23, 35	QLogic: QLA2300F-E-SP ¹⁸ , 20, QLA2310F-E-SP ¹⁸ , 20, 21, QLA2340-E-SP ¹⁸ , 20, 21, QLA2342-E-SP ¹⁸ , 19, 20, 21	FC-AL, FC-SW	N
103	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ¹⁶ , 23, 35	QLogic: QLA2310F-E-SP ¹⁸ , 20, 21, QLA2340-E-SP ¹⁸ , 20, 21, QLA2342-E-SP ¹⁸ , 19, 20, 21	FC-AL, FC-SW	Y1, 2, 13
104	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.00 SP6A ¹⁶ , 35	QLogic QLA2200F-EMC ²⁵ , 26	FC-AL, FC-SW	N, Y4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
105	Proliant DL580(G2) ³¹	PCI, PCI-X	Novell Netware 5.00 SP6A ¹⁶ , 35	QLogic QLA2200F-EMC ²⁶	FC-AL, FC-SW	N, Y4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
106	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10 SP2A ¹⁶	QLogic: QLA2310F-E-SP ¹⁸ , 20, 21, 22, QLA2340-E-SP ¹⁸ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15
107	Proliant: DL580(G2) ³¹ , DL580(G3)	PCI, PCI-X	Novell Netware 5.10 SP5 ¹⁶ , 17	QLogic QLA2340-E-SP ¹⁸ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
108	Proliant: DL580(G2) ³¹ , DL580(G3)	PCI, PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ¹⁸ , 20, 21, 22, 34	FC-AL, FC-SW	Y1, 2, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
109	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , 17, SP6; Novell Netware 6.0: SP1 ¹⁶ , 23, 24, SP2 ¹⁶ , 23, 24, SP3 ²³	QLogic QLA2342-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15

HPQ – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
110	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP2A ¹⁶ , SP5 ¹⁶ , SP6; Novell Netware 6.0: SP1 ¹⁶ , SP2 ¹⁶ , SP3 ²³ , Novell Netware 6.5 ²³ , 41	QLogic QLA2300F-E-SP ¹⁸ , 20, 22	FC-AL, FC-SW	N
111	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP5 ¹⁶ , SP6, 17,	QLogic QLA2200F-EMC ²² , 25, 26	FC-AL, FC-SW	Y4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
112	Proliant DL580(G2) ³¹	PCI, PCI-X	Novell Netware 5.10: SP5 ¹⁶ , SP6, 17,	QLogic QLA2200F-EMC ²² , 26	FC-AL, FC-SW	Y4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
113	Proliant: DL580(G2) ³¹ , DL580(G3)	PCI, PCI-X	Novell Netware 5.10: SP5 ¹⁶ , SP6, 17,	QLogic QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
114	Proliant DL580(G2) ³¹	PCI, PCI-X	Novell Netware 5.10: SP5 ¹⁶ , SP6, 17,	QLogic QLA2342-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 13, 15
115	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.0: SP1 ¹⁶ , SP2 ¹⁶ , SP3 ²³ , 23, 24,	QLogic QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22	FC-AL, FC-SW	Y1, 2, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
116	Proliant DL580(G2) ³¹	PCI, PCI-X	Novell Netware 6.0: SP1 ¹⁶ , SP2 ¹⁶ , SP3 ²³ , 23, 24,	QLogic QLA2310F-E-SP ¹⁹ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
117	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.0: SP1 ¹⁶ , SP2 ¹⁶ , SP3 ²³ , 23, 24,	QLogic QLA2340-E-SP ¹⁸ , 20, 21, 22	FC-AL, FC-SW	Y1, 2, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
118	Proliant DL580(G2) ³¹	PCI, PCI-X	Novell Netware 6.0: SP1 ¹⁶ , SP2 ¹⁶ , SP3 ²³ , 23, 24,	QLogic QLA2340-E-SP ²⁰ , 21, 22	FC-AL, FC-SW	Y1, 2, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 27
119	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.0: SP1 ¹⁶ , SP2 ¹⁶ , SP3 ²³ , 23, 24,	QLogic: QLA2200F-EMC ²² , 25, 26, QLA2202F-EMC ⁴ , 14, 18, 25, 26, 29, 39, 40	FC-AL, FC-SW	Y4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
120	Proliant DL580(G2) ³¹	PCI, PCI-X	Novell Netware 6.0: SP1 ¹⁶ , SP2 ¹⁶ , SP3 ²³ , 23, 24,	QLogic: QLA2200F-EMC ²² , 26, QLA2202F-EMC ⁴ , 14, 18, 25, 26, 29, 39, 40	FC-AL, FC-SW	Y4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
121	Proliant DL580(G3)	PCI, PCI-X	Novell Netware 6.5 ²³ , 41	QLogic: QLA2200F-EMC ²² , 25, 26, QLA2310F-E-SP ¹⁸ , 19, 20, 21, 22, 42, QLA2340-E-SP ²¹ , 22, 42, QLA2342-E-SP ²¹ , 22, 42	FC-AL, FC-SW	N
122	Proliant DL580(G2) ³¹	PCI, PCI-X	Novell Netware 6.5 ²³ , 41	QLogic: QLA2200F-EMC ²² , 26, QLA2310F-E-SP ¹⁹ , 20, 21, 22, 42, QLA2340-E-SP ²¹ , 22, 42, QLA2342-E-SP ²¹ , 22, 42	FC-AL, FC-SW	N
123	Proliant DL580(G3)	PCI, PCI-X	Novell Netware: 5.00 SP6A ¹⁶ , 23, 35, 5.10 SP2A ¹⁶ , 5.10 SP5 ¹⁶ , 5.10 SP6, 6.0 SP1 ¹⁶ , 23, 30, 6.0 SP2 ¹⁶ , 23, 6.0 SP3 ²³ , 6.5 ²³ , 41	Emulex LP9002-E (LP9002L-E) ^{36, 37, 38}	FC-AL, FC-SW	N
124	Proliant: DL580(G2) ³¹ , DL580(G3)	PCI, PCI-X	Novell Netware: 5.00 SP6A ¹⁶ , 35, 5.10 SP5 ¹⁶ , 17, 5.10 SP6	QLogic QLA2202F-EMC ⁴ , 14, 18, 25, 26, 29, 39, 40	FC-AL, FC-SW	Y4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
125	Proliant: DL580(G2) ³¹ , DL580(G3)	PCI, PCI-X	Novell Netware: 5.00 SP6A ¹⁶ , 35, 6.5 ²³ , 41	QLogic QLA2202F-EMC ⁴ , 14, 18, 25, 26, 29, 39, 40	FC-AL, FC-SW	N

- Edit config.sys with the following: Files=100 Buffers=99
- When installing NetWare for fabric boot (when operating system is not installed in the local host) on the Symmetrix, create only one LUN and then perform the install. To install a second server that will be fabric boot, repeat the process by creating one additional LUN and then loading the operating system to it. Continue this process until the desired number of fabric boot servers have been reached. Conditions exist where several LUNs are initially created and you perform your first install, NetWare will sometimes acquire and stripe the operating system across several of the newly created LUNs.
- FC-SW applies only to CX600, CX400, CX200, FC4500, FC4700 and FC5300. FC5300 with FC-SW available from selected channels.
- Novell Storage Services supported.
- Powerpath & ATF supported.
- FC-SW environments using Brocade 2800 or EMC DS-16B require switch firmware 2.5.0d or greater.
- Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- To enable failover with fabric boot DOSFAT.NSS must be loaded from the autoexec.ncf. In a failed condition the c:\ partition will not failover correctly but the DOSFAT_C: partition will.
- PowerPath and ATF supported.
- NetWare boot support is contingent on migration of the DOS boot partition to an NSS partition. NetWare will warn you of the possibility of data corruption if you convert the DOS boot partition to an NSS partition. The risk of data corruption is during I/O to the C: drive while in the NetWare debugger, or while writing reboot log files during an "Auto Restart After Abend". When you load DOSFAT, please set "Auto Restart After Abend" to 0 to avoid the possibility of data corruption.
- Maximum number of NWFS volumes that can be mounted is 64.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- Support for CX600, CX400, FC4500, FC4700, and FC5300. (FC5300 requires copper to Fibre transceiver.)
- Driver and documentation available from http://www.qlogic.com/support/foem_detail_all.asp?oemid=65**
- Driver Version v6.51a.
- Driver Version 6.51a.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- HPQ Proliant servers with ATF and Powerpath requires use of SCSIHD in place of CPQSHD.
- Requires HBA bios 1.83.**
- Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.

27. PowerPath supported. ATF/CDE not supported.
28. HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
29. **Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.**
30. PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.
31. Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
32. Includes both Pentium PRO and XEON models
33. This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
34. Firmware Version v1.34.
35. Requires NWPA.NLM V.3.07A update from Novell website.
36. PowerPath not currently supported.
37. Requires BIOS version 2.02e.
38. Driver Version 3.90a7.
39. Driver installation with NetWare 5.0 SP6A: Do not load cpmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
40. Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
41. **Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
42. Firmware Version 1.34.

IBM

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁰ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware 5.00 SP6A ^{1, 23}	QLogic QLA2200F-EMC ^{3, 8}	FC-AL, FC-SW	N, Y
2	Netfinity 8500R	PCI	Novell Netware 5.00 SP6A ^{1, 23}	QLogic QLA2200F-EMC ^{8, 10}	FC-AL, FC-SW	N, Y
3	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁴ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware 5.00 SP6A ^{1, 9, 23}	IBM: 19K1246(QLA2310) ^{6, 10, 15, 18} , 24P0960(QLA2340) ^{3, 10, 17} ; QLogic: QLA2300F-E-SP ^{10, 11} , QLA2310F-E-SP ^{10, 11, 12} , QLA2340-E-SP ^{10, 11, 12} , QLA2342-E-SP ^{10, 11, 12, 14}	FC-AL, FC-SW	Y
4	Netfinity 8500	PCI	Novell Netware 5.00 SP6A ^{1, 9, 23}	IBM: 19K1246(QLA2310) ^{6, 10, 15, 18} , 24P0960(QLA2340) ^{3, 10, 17} ; QLogic: QLA2310F-E-SP ^{10, 11, 12} , QLA2340-E-SP ^{11, 12} , QLA2342-E-SP ^{10, 11, 12, 14}	FC-AL, FC-SW	Y
5	xSeries x345	PCI	Novell Netware 5.00 SP6A ^{1, 9, 23}	QLogic: QLA2300F-E-SP ^{10, 11} , QLA2310F-E-SP ^{10, 11, 12} , QLA2340-E-SP ^{10, 11, 12} , QLA2342-E-SP ^{10, 11, 12, 14}	FC-AL, FC-SW	Y
6	Netfinity 8500R	PCI	Novell Netware 5.10 SP2 ¹	IBM: 19K1246(QLA2310) ^{4, 5, 6, 15} , 24P0960(QLA2340) ^{4, 5, 6, 17}	FC-AL, FC-SW	Y
7	Netfinity 7000 M10 ²⁴	PCI	Novell Netware 5.10 SP2A ¹	IBM: 19K1246(QLA2310) ^{4, 5, 6, 10, 15, 16, 18} , 24P0960(QLA2340) ^{3, 4, 5, 6, 10, 16, 17} ; QLogic: QLA2310F-E-SP ^{7, 10, 11, 12} , QLA2340-E-SP ^{7, 10, 11, 12} , QLA2342-E-SP ^{7, 10, 11, 12, 14}	FC-AL, FC-SW	Y
8	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R)	PCI	Novell Netware 5.10 SP2A ¹	QLogic QLA2310F-E-SP ^{7, 10, 11, 12}	FC-AL, FC-SW	Y
9	xSeries x370	PCI	Novell Netware 5.10 SP2A ¹	QLogic: QLA2310F-E-SP ^{7, 10, 11, 12} , QLA2340-E-SP ^{7, 10, 11, 12}	FC-AL, FC-SW	Y
10	xSeries x232	PCI	Novell Netware 5.10 SP5 ^{1, 13}	QLogic QLA2340-E-SP ^{7, 11, 12}	FC-AL, FC-SW	Y
11	Netfinity 8500	PCI	Novell Netware 5.10 SP5 ^{1, 13}	QLogic QLA2340-E-SP ^{7, 10, 11, 12}	FC-AL, FC-SW	Y
12	xSeries x232	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{7, 11, 12, 22}	FC-AL, FC-SW	Y
13	xSeries x370	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{7, 10, 11, 12, 14, 22}	FC-AL, FC-SW	Y
14	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁰ , 7100, 7600, 8500, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R)	PCI	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{7, 10, 11, 12, 22}	FC-AL, FC-SW	Y
15	Netfinity 8500R	PCI	Novell Netware 5.10: SP2A ¹ , SP2 ¹ , SP5 ¹ ; Novell Netware 6.0: SP1 ^{1, 9, 19} , SP2 ^{1, 9} , SP3 ⁹	QLogic QLA2340-E-SP ^{7, 10, 11, 12}	FC-AL, FC-SW	Y
16	Netfinity 8500R	PCI	Novell Netware 5.10: SP2A ¹ , SP2 ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 9, 19} , SP2 ^{1, 9} , SP3 ⁹	QLogic QLA2310F-E-SP ^{7, 10, 11, 12}	FC-AL, FC-SW	Y
17	Netfinity 8500R	PCI	Novell Netware 5.10: SP2A ¹ , SP2 ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 9} , SP2 ^{1, 9} , SP3 ⁹	QLogic QLA2200F-EMC ^{7, 8, 10}	FC-AL, FC-SW	Y
18	xSeries: X342, x255	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 13} ; Novell Netware 6.0: SP1 ^{1, 9, 19} , SP2 ^{1, 9} , SP3 ⁹	QLogic QLA2340-E-SP ^{7, 10, 11, 12}	FC-AL, FC-SW	Y
19	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), x230, x240, x250, x350 (6000R)	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 13} ; Novell Netware 6.0: SP1 ^{1, 9} , SP2 ^{1, 9} , SP3 ⁹	QLogic QLA2340-E-SP ^{7, 10, 11, 12}	FC-AL, FC-SW	Y

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
20	Netfinity 8500	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ^{1,13} , SP6; Novell Netware 6.0: SP1 ^{1,9,19,21} , SP2 ^{1,9,21} , SP3 ⁹	IBM: 19K1246(QLA2310) ^{4,5,6,10,15,16,18} , 24P0960(QLA2340) ^{3,4,5,6,10,16,17} ; QLogic: QLA2310F-E-SP ^{7,10,11,12} , QLA2342-E-SP ^{7,10,11,12,14}	FC-AL, FC-SW	Y
21	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ^{1,13} , SP6; Novell Netware 6.0: SP1 ^{1,9,19} , SP2 ^{1,9} , SP3 ⁹	IBM: 19K1246(QLA2310) ^{4,5,6,10,15,16,18} , 24P0960(QLA2340) ^{3,4,5,6,10,16,17}	FC-AL, FC-SW	Y
22	xSeries: X342, x255	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ^{1,13} , SP6; Novell Netware 6.0: SP1 ^{1,9,19} , SP2 ^{1,9} , SP3 ⁹	IBM: 19K1246(QLA2310) ^{4,5,6,10,15,16,18} , 24P0960(QLA2340) ^{3,4,5,6,10,16,17} ; QLogic QLA2342-E-SP ^{7,10,11,12,14}	FC-AL, FC-SW	Y
23	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ^{1,13} , SP6; Novell Netware 6.0: SP1 ^{1,9} , SP2 ^{1,9} , SP3 ⁹	QLogic QLA2342-E-SP ^{7,10,11,12,14}	FC-AL, FC-SW	Y
24	xSeries x345	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ ; Novell Netware 6.0: SP1 ^{1,9,19} , SP2 ^{1,9} , SP3 ⁹	QLogic QLA2340-E-SP ^{7,10,11,12}	FC-AL, FC-SW	Y
25	Netfinity 8500R	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,9,19} , SP2 ^{1,9} , SP3 ⁹	IBM: 19K1246(QLA2310) ^{4,5,6,10,15,16,18} , 24P0960(QLA2340) ^{3,4,5,6,10,16,17} ; QLogic QLA2342-E-SP ^{7,10,11,12,14}	FC-AL, FC-SW	Y
26	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,9,19} , SP2 ^{1,9} , SP3 ⁹	QLogic QLA2300F-E-SP ^{7,10,11}	FC-AL, FC-SW	Y
27	xSeries x345	PCI	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,9,19} , SP2 ^{1,9} , SP3 ⁹	QLogic: QLA2300F-E-SP ^{7,10,11} , QLA2310F-E-SP ^{7,10,11,12} , QLA2342-E-SP ^{7,10,11,12,14}	FC-AL, FC-SW	Y
28	xSeries x232	PCI	Novell Netware 5.10: SP5 ^{1,13} , SP6	QLogic QLA2310F-E-SP ^{7,11,12,14}	FC-AL, FC-SW	Y
29	Netfinity 7000 M10 ²⁰ ; xSeries X335	PCI	Novell Netware 5.10: SP5 ^{1,13} , SP6; Novell Netware 6.0: SP1 ^{1,9,19} , SP2 ^{1,9} , SP3 ⁹	IBM: 19K1246(QLA2310) ^{4,5,6,10,15,16,18} , 24P0960(QLA2340) ^{3,4,5,6,10,16,17}	FC-AL, FC-SW	Y
30	xSeries: X342, x255	PCI	Novell Netware 5.10: SP5 ^{1,13} , SP6; Novell Netware 6.0: SP1 ^{1,9,19} , SP2 ^{1,9} , SP3 ⁹	QLogic QLA2310F-E-SP ^{7,10,11,12,14}	FC-AL, FC-SW	Y
31	xSeries: X342, x232, x255	PCI	Novell Netware 5.10: SP5 ^{1,13} , SP6; Novell Netware 6.0: SP1 ^{1,9} , SP2 ^{1,9} , SP3 ⁹	QLogic QLA2200F-EMC ^{3,7,8}	FC-AL, FC-SW	Y
32	Netfinity 7000 M10 ^{20,24}	PCI	Novell Netware 5.10: SP5 ^{1,13} , SP6; Novell Netware 6.0: SP1 ^{1,9} , SP2 ^{1,9} , SP3 ⁹	QLogic QLA2342-E-SP ^{7,10,11,12,14}	FC-AL, FC-SW	Y
33	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), x230, x240, x250, x350 (6000R), x370	PCI	Novell Netware 5.10: SP5 ^{1,13} , SP6; Novell Netware 6.0: SP1 ^{1,9} , SP2 ^{1,9} , SP3 ⁹	QLogic: QLA2200F-EMC ^{3,7,8} , QLA2310F-E-SP ^{7,10,11,12,14}	FC-AL, FC-SW	Y
34	xSeries X335	PCI	Novell Netware 5.10: SP5 ^{1,13} , SP6; Novell Netware 6.0: SP1 ^{1,9} , SP2 ^{1,9} , SP3 ⁹	QLogic: QLA2310F-E-SP ^{7,10,11,12,14} , QLA2342-E-SP ^{7,10,11,12,14}	FC-AL, FC-SW	Y
35	Netfinity 8500R	PCI	Novell Netware 5.10: SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1,9,19} , SP2 ^{1,9} , SP3 ⁹	QLogic QLA2300F-E-SP ^{7,10,11}	FC-AL, FC-SW	Y
36	xSeries x232	PCI	Novell Netware 6.0: SP1 ^{1,9} , SP2 ^{1,9} , SP3 ⁹	QLogic QLA2310F-E-SP ^{7,10,11,12,14}	FC-AL, FC-SW	Y
37	xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware 6.5 ^{9,33}	Emulex LP9002-E (LP9002L-E) ^{25,26,27} ; IBM: 19K1246(QLA2310) ^{4,5,6,10,15,16,18} , 24P0960(QLA2340) ^{3,4,5,6,10,16,17} ; QLogic: QLA2200F-EMC ^{3,7,8} , QLA2300F-E-SP ^{7,10,11} , QLA2310F-E-SP ^{7,10,11,12,14,34} , QLA2340-E-SP ^{7,12,34} , QLA2342-E-SP ^{7,12,34}	FC-AL, FC-SW	N
38	Netfinity 8500R	PCI	Novell Netware 6.5 ^{9,33}	Emulex LP9002-E (LP9002L-E) ^{25,26,27} ; IBM: 19K1246(QLA2310) ^{4,5,6,10,15,16,18} , 24P0960(QLA2340) ^{3,4,5,6,10,16,17} ; QLogic: QLA2200F-EMC ^{3,7,8,10} , QLA2300F-E-SP ^{7,10,11} , QLA2310F-E-SP ^{7,10,11,12,34} , QLA2340-E-SP ^{7,12,34} , QLA2342-E-SP ^{7,12,34}	FC-AL, FC-SW	N
39	xSeries x255	PCI	Novell Netware 6.5 ^{9,33}	Emulex LP9002-E (LP9002L-E) ^{26,27} ; IBM: 19K1246(QLA2310) ^{4,5,6,10,15,16,18} , 24P0960(QLA2340) ^{3,4,5,6,10,16,17} ; QLogic: QLA2200F-EMC ^{3,7,8} , QLA2300F-E-SP ^{7,10,11} , QLA2310F-E-SP ^{7,10,11,12,14,34} , QLA2340-E-SP ^{7,12,34} , QLA2342-E-SP ^{7,12,34}	FC-AL, FC-SW	N
40	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600	PCI	Novell Netware 6.5 ^{9,33}	IBM: 19K1246(QLA2310) ^{4,5,6,10,15,16,18} , 24P0960(QLA2340) ^{3,4,5,6,10,16,17} ; QLogic: QLA2200F-EMC ^{3,7,8} , QLA2300F-E-SP ^{7,10,11} , QLA2310F-E-SP ^{7,10,11,12,14,34} , QLA2340-E-SP ^{7,12,34} , QLA2342-E-SP ^{7,12,34}	FC-AL, FC-SW	N

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
41	Netfinity 7000 M10 ²⁰	PCI	Novell Netware 6.5 ^{9, 33}	IBM: 19K1246(QLA2310) ^{4, 5, 6, 10, 15, 16, 18, 24} P0960(QLA2340) ^{3, 4, 5, 6, 10, 16, 17} ; QLogic: QLA2200F-EMC ^{3, 7, 8} , QLA2310F-E-SP ^{7, 10, 11, 12, 14, 34} , QLA2340-E-SP ^{7, 12, 34}	FC-AL, FC-SW	N
42	xSeries X335	PCI	Novell Netware 6.5 ^{9, 33}	IBM: 19K1246(QLA2310) ^{4, 5, 6, 10, 15, 16, 18, 24} P0960(QLA2340) ^{3, 4, 5, 6, 10, 16, 17} ; QLogic: QLA2310F-E-SP ^{7, 10, 11, 12, 14, 34} , QLA2340-E-SP ^{7, 12, 34} , QLA2342-E-SP ^{7, 12, 34}	FC-AL, FC-SW	N
43	Netfinity 8500	PCI	Novell Netware 6.5 ^{9, 33}	IBM: 19K1246(QLA2310) ^{4, 5, 6, 10, 15, 16, 18, 24} P0960(QLA2340) ^{3, 4, 5, 6, 10, 16, 17} ; QLogic: QLA2310F-E-SP ^{7, 10, 11, 12, 34} , QLA2340-E-SP ^{7, 12, 34} , QLA2342-E-SP ^{7, 12, 34}	FC-AL, FC-SW	N
44	Netfinity 7000 M10 ²⁴	PCI	Novell Netware 6.5 ^{9, 33}	QLogic QLA2300F-E-SP ^{7, 10, 11}	FC-AL, FC-SW	N
45	Netfinity 7000 M10 ^{20, 24}	PCI	Novell Netware 6.5 ^{9, 33}	QLogic QLA2342-E-SP ^{7, 12, 34}	FC-AL, FC-SW	N
46	xSeries x345	PCI	Novell Netware 6.5 ^{9, 33}	QLogic: QLA2300F-E-SP ^{7, 10, 11} , QLA2310F-E-SP ^{7, 10, 11, 12, 34} , QLA2340-E-SP ^{7, 12, 34} , QLA2342-E-SP ^{7, 12, 34}	FC-AL, FC-SW	N
47	Netfinity 8500R	PCI	Novell Netware: 5.00 SP6A ^{1, 23} , 5.10 SP2A ¹ , 5.10 SP2 ¹ , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ^{1, 9} , 6.0 SP2 ^{1, 9} , 6.0 SP3 ⁹	IBM 00N6881 (QLA2200) ^{2, 4, 5, 6} ; QLogic QLA2202F-EMC ^{3, 8, 10, 28, 29, 30, 31, 32}	FC-AL, FC-SW	Y
48	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁰ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware: 5.00 SP6A ^{1, 23} , 5.10 SP5 ^{1, 13} , 5.10 SP6, 6.0 SP1 ^{1, 9} , 6.0 SP2 ^{1, 9} , 6.0 SP3 ⁹	IBM 00N6881 (QLA2200) ^{2, 4, 5, 6} ; QLogic QLA2202F-EMC ^{3, 8, 10, 28, 29, 30, 31, 32}	FC-AL, FC-SW	Y
49	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ²⁰ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x350 (6000R), x370	PCI	Novell Netware: 5.00 SP6A ^{1, 23} , 6.5 ^{9, 33}	IBM 00N6881 (QLA2200) ^{2, 4, 5, 6} ; QLogic QLA2202F-EMC ^{3, 8, 10, 28, 29, 30, 31, 32}	FC-AL, FC-SW	N
50	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x350 (6000R), x370	PCI	Novell Netware: 5.00 SP6A ^{1, 9, 23} , 5.10 SP2A ¹ , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ^{1, 9} , 19, 6.0 SP2 ^{1, 9} , 6.0 SP3 ⁹	Emulex LP9002-E (LP9002L-E) ^{25, 26, 27}	FC-AL, FC-SW	Y
51	xSeries x255	PCI	Novell Netware: 5.00 SP6A ^{1, 9, 23} , 5.10 SP2A ¹ , 6.0 SP1 ^{1, 9} , 6.0 SP2 ^{1, 9} , 6.0 SP3 ⁹	Emulex LP9002-E (LP9002L-E) ^{26, 27}	FC-AL, FC-SW	Y
52	Netfinity 8500	PCI	Novell Netware: 5.10 SP2A ¹ , 6.0 SP1 ^{1, 9, 19, 21} , 6.0 SP2 ^{1, 9, 21} , 6.0 SP3 ⁹	QLogic QLA2340-E-SP ^{7, 11, 12}	FC-AL, FC-SW	Y
53	xSeries x232	PCI	Novell Netware: 5.10 SP2A ¹ , 6.0 SP1 ^{1, 9} , 6.0 SP2 ^{1, 9} , 6.0 SP3 ⁹	QLogic QLA2340-E-SP ^{7, 10, 11, 12}	FC-AL, FC-SW	Y
54	Netfinity 7000 M10 ²⁰ , xSeries X335	PCI	Novell Netware: 5.10 SP5 ^{1, 13} , 6.0 SP1 ^{1, 9} , 6.0 SP2 ^{1, 9} , 6.0 SP3 ⁹	QLogic QLA2340-E-SP ^{7, 10, 11, 12}	FC-AL, FC-SW	Y
55	xSeries x370	PCI	Novell Netware: 5.10 SP5 ^{1, 13} , 6.0 SP1 ^{1, 9} , 6.0 SP2 ^{1, 9} , 6.0 SP3 ⁹	QLogic QLA2340-E-SP ^{7, 10, 11, 12, 14}	FC-AL, FC-SW	Y
56	xSeries: x360, x440	PCI-X	Novell Netware 5.00 SP6A ^{1, 23}	QLogic QLA2200F-EMC ^{3, 8}	FC-AL, FC-SW	N, Y
57	xSeries x235	PCI-X	Novell Netware 5.00 SP6A ^{1, 23}	QLogic QLA2200F-EMC ⁸	FC-AL, FC-SW	Y
58	xSeries x360	PCI-X	Novell Netware 5.00 SP6A ^{1, 9, 23}	IBM: 19K1246(QLA2310) ^{6, 10, 15, 18} , 24P0960(QLA2340) ^{3, 10, 17} ; QLogic: QLA2300F-E-SP ^{10, 11} , QLA2310F-E-SP ^{10, 11, 12} , QLA2340-E-SP ^{10, 11, 12} , QLA2342-E-SP ^{10, 11, 12, 14}	FC-AL, FC-SW	Y
59	xSeries x440	PCI-X	Novell Netware 5.00 SP6A ^{1, 9, 23}	QLogic: QLA2300F-E-SP ^{10, 11} , QLA2310F-E-SP ^{10, 11, 12} , QLA2340-E-SP ^{10, 11, 12} , QLA2342-E-SP ^{10, 11, 12, 14}	FC-AL, FC-SW	Y
60	xSeries x440	PCI-X	Novell Netware 5.10 SP2A ^{1, 9, 23}	IBM: 19K1246(QLA2310) ^{6, 10, 11, 15, 18} , 24P0960(QLA2340) ^{3, 10, 11, 17}	FC-AL, FC-SW	Y
61	xSeries x235	PCI-X	Novell Netware 5.10 SP5 ¹	QLogic QLA2340-E-SP ^{7, 10, 11, 12}	FC-AL, FC-SW	Y
62	xSeries: x235, x360, x440	PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{7, 10, 11, 12, 22}	FC-AL, FC-SW	Y
63	xSeries x360	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 13} ; Novell Netware 6.0: SP1 ^{1, 9, 19, 21} , SP2 ^{1, 9} , SP3 ⁹	QLogic QLA2340-E-SP ^{7, 10, 11, 12}	FC-AL, FC-SW	Y
64	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 13} ; Novell Netware 6.0: SP1 ^{1, 9} , SP2 ^{1, 9} , SP3 ⁹	QLogic QLA2340-E-SP ^{7, 10, 11, 12}	FC-AL, FC-SW	Y
65	xSeries x360	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 9, 19, 21} , SP2 ^{1, 9} , SP3 ⁹	QLogic QLA2342-E-SP ^{7, 10, 11, 12, 14}	FC-AL, FC-SW	Y
66	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ^{1, 13} , SP6; Novell Netware 6.0: SP1 ^{1, 9} , SP1 ^{1, 9, 21} , SP2 ^{1, 9} , SP3 ⁹	QLogic QLA2342-E-SP ^{7, 10, 11, 12, 14}	FC-AL, FC-SW	Y
67	xSeries x360	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6	QLogic QLA2310F-E-SP ^{7, 10, 11, 12}	FC-AL, FC-SW	Y
68	xSeries x360	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 9, 19} , SP2 ^{1, 9} , SP3 ⁹	QLogic QLA2300F-E-SP ^{7, 10, 11}	FC-AL, FC-SW	Y
69	xSeries x440	PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 9} , SP2 ^{1, 9} , SP3 ⁹	QLogic QLA2310F-E-SP ^{7, 10, 11, 12}	FC-AL, FC-SW	Y

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
70	xSeries x360	PCI-X	Novell Netware 5.10: SP5 ^{1,13} , SP6	IBM: 19K1246(QLA2310) ^{4,5,6,10,11,15,16,18} , 24P0960(QLA2340) ^{3,4,5,6,10,11,16,17}	FC-AL, FC-SW	Y
71	xSeries x440	PCI-X	Novell Netware 5.10: SP5 ^{1,13} , SP6	IBM: 19K1246(QLA2310) ^{4,6,11,15} , 24P0960(QLA2340) ^{4,5,6,11,17}	FC-AL, FC-SW	Y
72	xSeries: x360, x440	PCI-X	Novell Netware 5.10: SP5 ¹ , SP6	QLogic QLA2200F-EMC ^{7,8}	FC-AL, FC-SW	Y
73	xSeries x235	PCI-X	Novell Netware 5.10: SP5 ¹ , SP6	QLogic: QLA2200F-EMC ^{7,8} , QLA2310F-E-SP ^{7,10,11,12} , QLA2342-E-SP ^{7,10,11,12,14}	FC-AL, FC-SW	Y
74	xSeries x440	PCI-X	Novell Netware 6.0 SP1 ^{1,9,21}	QLogic QLA2340-E-SP ^{7,11,12}	FC-AL, FC-SW	Y
75	xSeries x440	PCI-X	Novell Netware 6.0: SP1 ^{1,9,19} , SP2 ^{1,9} , SP3 ⁹	IBM: 19K1246(QLA2310) ^{4,5,6,10,15,18} , 24P0960(QLA2340) ^{3,4,5,6,10,17}	FC-AL, FC-SW	Y
76	xSeries x360	PCI-X	Novell Netware 6.0: SP1 ^{1,9,19} , SP2 ^{1,9} , SP3 ⁹	QLogic QLA2310F-E-SP ^{7,10,11,12,14}	FC-AL, FC-SW	Y
77	xSeries: x360, x440	PCI-X	Novell Netware 6.0: SP1 ^{1,9} , SP2 ^{1,9} , SP3 ⁹	IBM 00N6881 (QLA2200) ^{2,4,5,6} ; QLogic QLA2200F-EMC ^{3,7,8}	FC-AL, FC-SW	Y
78	xSeries x440	PCI-X	Novell Netware 6.0: SP2 ^{1,9} , SP3 ⁹	QLogic QLA2310F-E-SP ^{7,10,11,12,14}	FC-AL, FC-SW	Y
79	xSeries x360	PCI-X	Novell Netware 6.5 ^{9,33}	Emulex LP9002-E (LP9002L-E) ^{25,26,27} ; IBM: 19K1246(QLA2310) ^{4,5,6,10,15,16,18} , 24P0960(QLA2340) ^{3,4,5,6,10,16,17} ; QLogic: QLA2200F-EMC ^{3,7,8} , QLA2300F-E-SP ^{7,10,11} , QLA2310F-E-SP ^{7,10,11,12,14,34} , QLA2340-E-SP ^{7,12,34} , QLA2342-E-SP ^{7,12,34}	FC-AL, FC-SW	N
80	xSeries x440	PCI-X	Novell Netware 6.5 ^{9,33}	Emulex LP9002-E (LP9002L-E) ^{25,26,27} ; IBM: 19K1246(QLA2310) ^{4,5,6,10,15,18} , 24P0960(QLA2340) ^{3,4,5,6,10,17} ; QLogic: QLA2200F-EMC ^{3,7,8} , QLA2300F-E-SP ^{7,10,11} , QLA2310F-E-SP ^{7,10,11,12,14,34} , QLA2310F-E-SP ^{7,10,11,12,34} , QLA2340-E-SP ^{7,12,34} , QLA2342-E-SP ^{7,12,34}	FC-AL, FC-SW	N
81	xSeries: x360, x440	PCI-X	Novell Netware: 5.00 SP6A ^{1,23} , 5.10 SP2A ¹ , 5.10 SP5 ¹ , 5.10 SP6, 5.10 ¹	IBM 00N6881 (QLA2200) ^{2,3,4,5,6}	FC-AL, FC-SW	Y
82	xSeries x235	PCI-X	Novell Netware: 5.00 SP6A ^{1,23} , 5.10 SP5 ¹ , 5.10 SP6	QLogic QLA2202F-EMC ^{3,8,10,28,29,30,31,32}	FC-AL, FC-SW	Y
83	xSeries: x360, x440	PCI-X	Novell Netware: 5.00 SP6A ^{1,23} , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ^{1,9} , 6.0 SP2 ^{1,9} , 6.0 SP3 ⁹	QLogic QLA2202F-EMC ^{3,8,10,28,29,30,31,32}	FC-AL, FC-SW	Y
84	xSeries: x360, x440	PCI-X	Novell Netware: 5.00 SP6A ^{1,23} , 6.5 ^{9,33}	IBM 00N6881 (QLA2200) ^{2,4,5,6} ; QLogic QLA2202F-EMC ^{3,8,10,28,29,30,31,32}	FC-AL, FC-SW	N
85	xSeries x440	PCI-X	Novell Netware: 5.00 SP6A ^{1,9,23} , 5.10 SP2A ^{1,9,23}	IBM: 19K1246(QLA2310) ¹⁵ , 24P0960(QLA2340) ¹⁷	FC-AL, FC-SW	Y
86	xSeries: x360, x440	PCI-X	Novell Netware: 5.00 SP6A ^{1,9,23} , 5.10 SP2A ¹ , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ^{1,9,19} , 6.0 SP2 ^{1,9} , 6.0 SP3 ⁹	Emulex LP9002-E (LP9002L-E) ^{25,26,27}	FC-AL, FC-SW	Y
87	xSeries x360	PCI-X	Novell Netware: 5.10 SP2A ¹ , 6.0 SP1 ^{1,9,19} , 6.0 SP2 ^{1,9} , 6.0 SP3 ⁹	IBM: 19K1246(QLA2310) ^{4,5,6,10,15,16,18} , 24P0960(QLA2340) ^{3,4,5,6,10,16,17}	FC-AL, FC-SW	Y
88	xSeries x440	PCI-X	Novell Netware: 5.10 SP2A ¹ , 6.0 SP1 ^{1,9,6.0} SP2 ^{1,9} , 6.0 SP3 ⁹	QLogic QLA2300F-E-SP ^{7,10,11}	FC-AL, FC-SW	Y
89	xSeries x445	PCI, PCI-X	Novell Netware 5.00 SP6A ^{1,23}	QLogic QLA2200F-EMC ^{3,8}	FC-AL, FC-SW	N, Y
90	xSeries x345	PCI, PCI-X	Novell Netware 5.00 SP6A ^{1,23}	QLogic QLA2200F-EMC ⁸	FC-AL, FC-SW	Y
91	xSeries x445	PCI, PCI-X	Novell Netware 5.00 SP6A ^{1,9,23}	IBM: 19K1246(QLA2310) ¹⁵ , 24P0960(QLA2340) ¹⁷ ; QLogic: QLA2300F-E-SP ^{10,11} , QLA2310F-E-SP ^{10,11,12} , QLA2340-E-SP ^{10,11,12} , QLA2342-E-SP ^{10,11,12,14}	FC-AL, FC-SW	Y
92	xSeries x445	PCI, PCI-X	Novell Netware 5.10 SP2A ^{1,9,23}	IBM: 19K1246(QLA2310) ^{6,10,11,15,18} , 24P0960(QLA2340) ^{3,10,11,17}	FC-AL, FC-SW	Y
93	xSeries x345	PCI, PCI-X	Novell Netware 5.10 SP5 ^{1,13}	QLogic QLA2340-E-SP ^{7,10,11,12}	FC-AL, FC-SW	Y
94	xSeries: x345, x445	PCI, PCI-X	Novell Netware 5.10 SP6	QLogic QLA2340-E-SP ^{7,10,11,12,22}	FC-AL, FC-SW	Y
95	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ^{1,13} ; Novell Netware 6.0: SP1 ^{1,9,21} , SP2 ^{1,9} , SP3 ⁹	QLogic QLA2340-E-SP ^{7,10,11,12}	FC-AL, FC-SW	Y
96	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ^{1,13} , SP6; Novell Netware 6.0 SP1 ^{1,9}	QLogic QLA2310F-E-SP ^{7,10,11,12}	FC-AL, FC-SW	Y
97	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP2A ¹ , SP5 ^{1,13} , SP6; Novell Netware 6.0: SP1 ^{1,9,21} , SP2 ^{1,9} , SP3 ⁹	QLogic QLA2342-E-SP ^{7,10,11,12,14}	FC-AL, FC-SW	Y
98	xSeries x445	PCI, PCI-X	Novell Netware 5.10: SP5 ^{1,13} , SP6	IBM: 19K1246(QLA2310) ^{4,6,11,15} , 24P0960(QLA2340) ^{4,5,6,11,17}	FC-AL, FC-SW	Y
99	xSeries x345	PCI, PCI-X	Novell Netware 5.10: SP5 ^{1,13} , SP6; Novell Netware 6.0: SP1 ^{1,9,21} , SP2 ^{1,9} , SP3 ⁹	QLogic QLA2342-E-SP ^{7,10,11,12,14}	FC-AL, FC-SW	Y
100	xSeries x345	PCI, PCI-X	Novell Netware 5.10: SP5 ^{1,13} , SP6; Novell Netware 6.0: SP1 ^{1,9} , SP2 ^{1,9} , SP3 ⁹	QLogic QLA2310F-E-SP ^{7,10,11,12}	FC-AL, FC-SW	Y
101	xSeries: x345, x445	PCI, PCI-X	Novell Netware 5.10: SP5 ¹ , SP6	QLogic QLA2200F-EMC ^{7,8}	FC-AL, FC-SW	Y
102	xSeries x445	PCI, PCI-X	Novell Netware 6.0: SP1 ^{1,9,19} , SP2 ^{1,9} , SP3 ⁹	IBM: 19K1246(QLA2310) ^{4,5,6,10,15,18} , 24P0960(QLA2340) ^{3,4,5,6,10,17}	FC-AL, FC-SW	Y

IBM – Novell Netware						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
103	xSeries x345	PCI, PCI-X	Novell Netware 6.0: SP1 ^{1, 9, 21} , SP2 ^{1, 9} , SP3 ⁹	QLogic QLA2340-E-SP ^{7, 11, 12}	FC-AL, FC-SW	Y
104	xSeries x445	PCI, PCI-X	Novell Netware 6.0: SP1 ^{1, 9} , SP2 ^{1, 9} , SP3 ⁹	IBM 00N6881 (QLA2200) ^{2, 4, 5, 6} ; QLogic QLA2200F-EMC ^{3, 7, 8}	FC-AL, FC-SW	Y
105	xSeries x445	PCI, PCI-X	Novell Netware 6.0: SP2 ^{1, 9} , SP3 ⁹	QLogic QLA2310F-E-SP ^{7, 10, 11, 12, 14}	FC-AL, FC-SW	Y
106	xSeries x445	PCI, PCI-X	Novell Netware 6.5 ^{9, 33}	Emulex LP9002-E (LP9002L-E) ^{25, 26, 27} ; IBM: 19K1246(QLA2310) ^{4, 5, 6, 10, 15, 18} ; 24P0960(QLA2340) ^{3, 4, 5, 6, 10, 17} ; QLogic: QLA2200F-EMC ^{3, 7, 8} , QLA2300F-E-SP ^{7, 10, 11} , QLA2310F-E-SP ^{7, 10, 11, 12, 14, 34} , QLA2340-E-SP ^{7, 12, 34} , QLA2342-E-SP ^{7, 12, 34}	FC-AL, FC-SW	N
107	xSeries x345	PCI, PCI-X	Novell Netware 6.5 ^{9, 33}	QLogic: QLA2310F-E-SP ^{7, 10, 11, 12, 34} , QLA2340-E-SP ^{7, 12, 34} , QLA2342-E-SP ^{7, 12, 34}	FC-AL, FC-SW	N
108	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{1, 23} , 5.10 SP2A ¹ , 5.10 SP5 ¹ , 5.10 SP6, 5.10 ¹	IBM 00N6881 (QLA2200) ^{2, 3, 4, 5, 6}	FC-AL, FC-SW	Y
109	xSeries x345	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{1, 23} , 5.10 SP5 ¹ , 5.10 SP6	QLogic QLA2202F-EMC ^{3, 8, 10, 28, 29, 30, 31, 32}	FC-AL, FC-SW	Y
110	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{1, 23} , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ^{1, 9} , 6.0 SP2 ^{1, 9} , 6.0 SP3 ⁹	QLogic QLA2202F-EMC ^{3, 8, 10, 28, 29, 30, 31, 32}	FC-AL, FC-SW	Y
111	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{1, 23} , 6.5 ^{9, 33}	IBM 00N6881 (QLA2200) ^{2, 4, 5, 6} ; QLogic QLA2202F-EMC ^{3, 8, 10, 28, 29, 30, 31, 32}	FC-AL, FC-SW	N
112	xSeries x445	PCI, PCI-X	Novell Netware: 5.00 SP6A ^{1, 9, 23} , 5.10 SP2A ¹ , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ^{1, 9, 19} , 6.0 SP2 ^{1, 9} , 6.0 SP3 ⁹	Emulex LP9002-E (LP9002L-E) ^{25, 26, 27}	FC-AL, FC-SW	Y
113	xSeries x445	PCI, PCI-X	Novell Netware: 5.10 SP2A ¹ , 6.0 SP1 ^{1, 9} , 6.0 SP2 ^{1, 9} , 6.0 SP3 ⁹	QLogic QLA2300F-E-SP ^{7, 10, 11}	FC-AL, FC-SW	Y
114	xSeries: x255, x345	PCI	Novell Netware 6.5 ^{9, 33}	Emulex LP9002-E (LP9002L-E) ^{25, 26, 27}	FC-SW	N
115	xSeries: x255, x345	PCI	Novell Netware: 5.00 SP6A ^{1, 9, 23} , 5.10 SP2A ¹ , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ^{1, 9, 19} , 6.0 SP2 ^{1, 9} , 6.0 SP3 ⁹	Emulex LP9002-E (LP9002L-E) ^{25, 26, 27}	FC-SW	Y

- Maximum number of NWFS volumes that can be mounted is 64.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- Requires HBA bios 1.83. Driver and documentation available from www.qlogic.com.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Driver Version 6.v. Supports persistent binding and only supports Class 3.
- Driver Version 6.50v.
- Driver Version 6.51a.
- Supported in "Shared HBA" topology. Single HBA may be zoned to more than one storage array. This included arrays of different types and/or models.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- Driver and documentation available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Driver Version v6.51a.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- Support for CX600, CX400, FC4500, FC4700, and FC5300. (FC5300 requires copper to Fibre transceiver.)
- This HBA is equivalent to the qLogic QLA2310.
- Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
- This HBA is equivalent to the qLogic QLA2340.
- Requires BIOS 1.34 available from QLogic at <http://www.qlogic.com>.
- PCI-X servers must use single 5 volt PCI slot for Adaptec 2944 family.
- This server only supports 5 Volt HBAs: qLogic 22XX family, qLogic 23XX family, Emulex LP8000, and Emulex LP850
- HPQ Proliant servers with ATF and Powerpath requires use of SCSIHD in place of CPQSHD.
- Firmware Version v1.34.
- Requires NWPANLM V.3.07A update from Novell website.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- PowerPath not currently supported.
- Requires BIOS version 2.02e.
- Driver Version 3.90a7.
- Novell Storage Services supported.
- Driver installation with NetWare 5.0 SP6A: Do not load cpqmpk.psm when prompted. At the point when you are to load idecd, ideata and scsihd, toggle to the Control prompt with <Alt-Esc>. Once at the system control, unload nwpa.nlm, then load nwpa.nlm version 3.07a 5/3/01. Once the new nwpa.nlm is loaded, toggle back to the install screen and continue with the install. When install is complete, down the server and copy nwpa.nlm version 3.07a 5/3/01 to the c:\nwserver directory and reboot.
- PowerPath and ATF supported.
- Supports Boot BIOS 1.63a2. Supports SNIA HBA API. Available at <http://www.emulex.com>.
- Requires HBA bios 1.83.
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.
- Firmware Version 1.34.

Red Hat Linux Dell

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{1, 2, 5, 28}	QLogic QLA2200F-EMC ^{3, 4}	FC-AL, FC-SW	N	
2	PowerEdge: 1550, 2300, 2450, 2500, 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.12 ^{1, 2}	QLogic QLA2200F ^{3, 22, 23, 24}	FC-AL, FC-SW	N	
3	PowerEdge 2550 ⁷	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ²	QLogic QLA2200F ^{3, 22, 23, 24}	FC-AL, FC-SW	Y ^{4, 11, 12, 14, 15, 16, 17, 18, 19, 20, 25, 26}	
4	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 4, 11}	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC-AL, FC-SW	Y ^{12, 14, 15, 16, 17, 18, 19, 20, 25, 26}	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
5	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6,7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ² , 4, 11	QLogic QLA2310F–E–SP ^{3, 10}	FC–AL, FC–SW	Y ^{12, 13} , 14, 15, 16, 17, 18, 19, 20	
6	PowerEdge: 2400, 4300	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F–EMC ⁵	FC–AL, FC–SW	N	
7	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 2550 ^{6,7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 28} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 4, 11} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
8	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 28} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 4, 11} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2310F–E–SP ^{3, 10} , QLA2342–E–SP	FC–AL, FC–SW	N	
9	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 2550 ^{6,7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 28} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2310F–E–SP ^{3, 10}	FC–AL, FC–SW	N	
10	PowerEdge: 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 28} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 4, 11} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
11	PowerEdge 2400	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5} , v2.4.9–E.12 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F–EMC ^{4, 5}	FC–AL, FC–SW	N	
12	PowerEdge 4300	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 4} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F–EMC ^{4, 5}	FC–AL, FC–SW	N	
13	PowerEdge: 1650 ⁶ , 2400, 2550 ^{6,7} , 2550 ⁷	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F ^{3, 22, 23, 24}	FC–AL, FC–SW	N	
14	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2} , v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F ^{3, 22, 23, 24}	FC–AL, FC–SW	N	
15	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 2550 ^{6,7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F–EMC ^{3, 4, 5}	FC–AL, FC–SW	N	
16	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2}	QLogic QLA2340–E–SP ^{3, 10}	FC–AL, FC–SW	N	
17	PowerEdge: 6450, 8450	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2}	QLogic: QLA2340–E–SP ^{3, 10} , QLA2342–E–SP	FC–AL, FC–SW	N	
18	PowerEdge 2400	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 4, 11} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic: QLA2200F–EMC ^{3, 4, 5} , QLA2342–E–SP	FC–AL, FC–SW	N	
19	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 4, 11} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC–AL, FC–SW	N	
20	PowerEdge 4300	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 4} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20–20.7 ² , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC–AL, FC–SW	N	
21	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6,7} , 2550 ⁷ , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 35} , v2.4.9–e.25 ^{2, 35} ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 35} , v2.4.9–e.25 ^{2, 35}	QLogic QLA2200F ^{3, 8, 21, 33, 38}	FC–AL, FC–SW	Y ^{14, 15} , 16, 17, 18, 19, 20, 25, 26	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
22	PowerEdge: 1650 ⁶ , 4300	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35}	QLogic QLA2200F ^{3, 8, 21, 33, 38}	FC-AL, FC-SW	N	
23	PowerEdge 4300	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic QLA2200F-EMC ^{21, 36, 38}	FC-AL, FC-SW	N	
24	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 8, 21, 36, 37}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
25	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 21, 36, 38} , QLA2310F-E-SP ^{3, 8, 21, 36, 37} , QLA2342-E-SP ^{8, 21, 24, 33, 36, 37}	FC-AL, FC-SW	N	
26	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 21, 36, 38} , QLA2342-E-SP ^{8, 21, 24, 33, 36, 37}	FC-AL, FC-SW	N	
27	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	Emulex LP9802DC-E ^{21, 29, 30, 31, 32, 34}	FC-AL, FC-SW	Y	
28	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	Emulex LP9802DC-E ^{21, 29, 31, 32, 34}	FC-AL, FC-SW	Y	
29	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{21, 29, 30, 32, 33, 34, 49, 50}	FC-AL, FC-SW	N	
30	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{21, 29, 30, 32, 33, 34, 49, 50}	FC-AL, FC-SW	Y ^{15, 16, 17, 18, 19, 20}	
31	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{2, 4, 11} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 5}	FC-AL, FC-SW	N	
32	PowerEdge 2550 ⁷	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F ^{3, 22, 23, 24}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
33	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 10}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
34	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
35	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex: LP10000-E ^{31, 32, 33, 34, 39, 44, 45} , LP10000DC-E ^{3, 31, 32, 33, 34, 39, 44, 45} , LP1050-E ^{21, 29, 30, 31, 32, 33, 34, 51} , LP1050DC-E ^{21, 29, 30, 31, 32, 33, 34, 51}	FC-AL, FC-SW	Y ^{15, 16, 17, 18, 19, 20, 46}	
36	PowerEdge: 1550, 1650 ⁶ , 2300, 2450, 2500, 2550 ⁷ , 4400, 6100, 6300, 6350, 6400, 6450, 8450; PowerVault: 750N, 755N, 775N	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{31, 32, 33, 34, 39, 44, 45} , LP10000DC-E ^{3, 31, 32, 33, 34, 39, 44, 45} , LP1050-E ^{21, 29, 30, 31, 32, 33, 34, 51} , LP1050DC-E ^{21, 29, 30, 31, 32, 33, 34, 51}	FC-AL, FC-SW	N	See ⁴³
37	PowerEdge: 2400, 4300	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{31, 32, 33, 34, 39, 44, 45} , LP10000DC-E ^{3, 31, 32, 33, 34, 39, 44, 45} , LP1050-E ^{21, 29, 30, 31, 32, 33, 34, 51} , LP1050DC-E ^{21, 29, 30, 31, 32, 33, 34, 51}	FC-AL, FC-SW	N	
38	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 2550 ⁷ , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{3, 8, 21, 33, 36, 38}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
39	PowerEdge: 1650 ⁶ , 4300	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{3, 8, 21, 33, 36, 38}	FC-AL, FC-SW	N	
40	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ^{6, 7} , 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{47, 48}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
41	PowerEdge 2550 ⁷	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{47, 48} , QLogic QLA2200F	FC–AL, FC–SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
42	PowerEdge: 2400, 4300	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{47, 48} , QLogic QLA2200F–EMC	FC–AL, FC–SW	N	
43	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{47, 48} , QLogic: QLA2200F–EMC ³ , QLA2310F–E–SP ³ , QLA2342–E–SP ^{3, 23, 33}	FC–AL, FC–SW	N	
44	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 2550 ⁷ , 4300, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC–AL, FC–SW	Y	
45	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{21, 29, 30, 31, 32, 33, 34}	FC–AL, FC–SW	Y	
46	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{31, 32, 33, 34, 39, 44, 45} , LP10000DC–E ^{3, 31, 32, 33, 34, 39, 44, 45} , LP1050–E ^{21, 29, 30, 31, 32, 33, 34, 51} , LP1050DC–E ^{21, 29, 30, 31, 32, 33, 34, 51}	FC–AL, FC–SW	Y ^{15, 16, 17, 18, 19, 20}	
47	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC–AL, FC–SW	N	
48	PowerEdge: 1750, 2600 ⁶ , 2650 ⁶ , 4600 ⁶ , 6600 ⁶	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ^{1, 2, 5, 28}	QLogic QLA2200F–EMC ^{3, 4}	FC–AL, FC–SW	N	
49	PowerEdge: 2600, 6600	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ^{1, 2}	QLogic QLA2200F ^{3, 22, 23, 24}	FC–AL, FC–SW	N	
50	PowerEdge 2650	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.16 ^{1, 2}	QLogic QLA2200F–EMC ^{3, 4, 5}	FC–AL, FC–SW	N	
51	PowerEdge: 2650, 6650	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 4}	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC–AL, FC–SW	Y ^{11, 12, 14, 15, 16, 17, 18, 19, 20, 25, 26}	
52	PowerEdge: 2650, 6650	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 4, 11}	QLogic QLA2200F–EMC ^{3, 5}	FC–AL, FC–SW	N	
53	PowerEdge: 2600 ⁶ , 6600 ⁶	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 4, 11}	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC–AL, FC–SW	Y ^{12, 14, 15, 16, 17, 18, 19, 20, 25, 26}	
54	PowerEdge: 2600 ⁶ , 6600 ⁶	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 4, 11}	QLogic QLA2310F–E–SP ^{3, 10}	FC–AL, FC–SW	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 20}	
55	PowerEdge 2650 ⁶	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F–EMC ^{3, 5}	FC–AL, FC–SW	N	
56	PowerEdge: 2600 ⁶ , 2650, 6650	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F–EMC ⁵	FC–AL, FC–SW	N	
57	PowerEdge 2650	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 28} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 4, 11} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
58	PowerEdge 4600 ⁶	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 28} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 4, 11} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2310F–E–SP ^{3, 10}	FC–AL, FC–SW	N	
59	PowerEdge 6600 ⁶	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 28} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 4, 11} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
60	PowerEdge 1750	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 28} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 4, 11} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2310F–E–SP ^{3, 10} , QLA2342–E–SP	FC–AL, FC–SW	N	
61	PowerEdge 2650	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 28} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2}	QLogic: QLA2310F–E–SP ^{3, 8, 9, 10} , QLA2340–E–SP ^{3, 10}	FC–AL, FC–SW	N	
62	PowerEdge: 2600 ⁶ , 6600 ⁶	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 5, 28} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2310F–E–SP ^{3, 10}	FC–AL, FC–SW	N	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
63	PowerEdge 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 5, 28} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 4, 11} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
64	PowerEdge 2600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 5} , v2.4.9-E.12 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{4, 5}	FC-AL, FC-SW	N	
65	PowerEdge: 2650, 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 5} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 4} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{4, 5}	FC-AL, FC-SW	N	
66	PowerEdge 2600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.10 ^{1, 2, 5, 28} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 4, 11} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
67	PowerEdge 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 4, 11} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
68	PowerEdge: 1750, 2650, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F ^{3, 22, 23, 24}	FC-AL, FC-SW	N	
69	PowerEdge 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic: QLA2200F ^{3, 22, 23, 24} , QLA2310F-E-SP, QLA2340-E-SP ³	FC-AL, FC-SW	N	
70	PowerEdge 2600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic: QLA2200F ^{3, 22, 23, 24} , QLA2310F-E-SP ^{3, 8, 9} , QLA2340-E-SP ³	FC-AL, FC-SW	N	
71	PowerEdge 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F ^{3, 22, 23, 24}	FC-AL, FC-SW	N	
72	PowerEdge: 1750, 2600 ⁶ , 4600 ⁶ , 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	
73	PowerEdge: 1750, 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 10}	FC-AL, FC-SW	N	
74	PowerEdge: 2600, 4600	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic: QLA2340-E-SP ^{3, 10} , QLA2342-E-SP	FC-AL, FC-SW	N	
75	PowerEdge 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 4, 11, 27}	QLogic QLA2310F-E-SP ^{3, 8, 9, 10}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
76	PowerEdge 2600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 4, 11, 27} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 8, 9, 10}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
77	PowerEdge: 2600 ⁶ , 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 4, 11, 27} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
78	PowerEdge 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 4, 11} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic: QLA2310F-E-SP ^{3, 10} , QLA2340-E-SP ^{3, 10}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
79	PowerEdge 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 4, 11} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
80	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 4, 11} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC-AL, FC-SW	N	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
81	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35}	QLogic QLA2200F ^{3, 8, 21, 33, 38}	FC-AL, FC-SW	N	
82	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35}	QLogic QLA2200F ^{3, 8, 21, 33, 38}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
83	PowerEdge: 2600 ⁶ , 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 8, 21, 36, 37}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
84	PowerEdge: 2650, 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 21, 36, 38} , QLA2200F-EMC ^{21, 36, 38} , QLA2342-E-SP ^{8, 21, 24, 33, 36, 37}	FC-AL, FC-SW	N	
85	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 21, 36, 38} , QLA2310F-E-SP ^{3, 8, 21, 36, 37} , QLA2342-E-SP ^{8, 21, 24, 33, 36, 37}	FC-AL, FC-SW	N	
86	PowerEdge: 2600 ⁶ , 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 21, 36, 38} , QLA2342-E-SP ^{8, 21, 24, 33, 36, 37}	FC-AL, FC-SW	N	
87	PowerEdge: 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic: QLA2310F-E-SP ^{3, 8, 21, 36, 37} , QLA2340-E-SP ^{3, 8, 36, 37}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
88	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	Emulex LP9802DC-E ^{21, 29, 30, 31, 32, 34}	FC-AL, FC-SW	Y	
89	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	Emulex LP9802DC-E ^{21, 29, 31, 32, 34}	FC-AL, FC-SW	Y	
90	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{21, 29, 30, 32, 33, 34, 49, 50}	FC-AL, FC-SW	N	
91	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{21, 29, 30, 32, 33, 34, 49, 50}	FC-AL, FC-SW	Y ^{15, 16, 17, 18, 19, 20}	
92	PowerEdge: 1750, 2600 ⁶ , 4600 ⁶ , 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{4, 4, 11} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 5}	FC-AL, FC-SW	N	
93	PowerEdge 2650 ⁶	PCI-X	Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 8, 9, 10}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
94	PowerEdge 2650 ⁶	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.12 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	
95	PowerEdge 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	
96	PowerEdge 2600 ⁶	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 10}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
97	PowerEdge 6600 ⁶	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic: QLA2310F-E-SP ^{3, 10} , QLA2340-E-SP ^{3, 10}	FC-AL, FC-SW	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
98	PowerEdge 6600 ⁶	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
99	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ^{2, 35} , ES v2.4.9-e.27	Emulex: LP10000-E ^{31, 32, 33, 34, 39, 44, 45} , LP10000DC-E ^{3, 31, 32, 33, 34, 39, 44, 45} , LP1050-E ^{21, 29, 30, 31, 32, 33, 34, 51} , LP1050DC-E ^{21, 29, 30, 31, 32, 33, 34, 51}	FC-AL, FC-SW	Y ^{15, 16, 17, 18, 19, 20, 46}	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
100	PowerEdge: 1750, 2600, 2650, 4600 ⁶ , 6600, 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{31, 32, 33, 34, 39, 44, 45} , LP10000DC-E ^{3, 31, 32, 33, 34, 39, 44, 45} , LP1050-E ^{21, 29, 30, 31, 32, 33, 34, 51} , LP1050DC-E ^{21, 29, 30, 31, 32, 33, 34, 51}	FC-AL, FC-SW	N	See ⁴³
101	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{3, 8, 21, 33, 36, 38}	FC-AL, FC-SW	N	
102	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{3, 8, 21, 33, 36, 38}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
103	PowerEdge: 2600 ⁶ , 6600 ⁶ , 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{47, 48}	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
104	PowerEdge 2650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{47, 48} , QLogic QLA2200F	FC-AL, FC-SW	Y ^{14, 15, 16, 17, 18, 19, 20, 25, 26}	
105	PowerEdge: 2650, 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{47, 48} , QLogic QLA2200F-EMC	FC-AL, FC-SW	N	
106	PowerEdge 2600 ⁶	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{47, 48} , QLogic: QLA2200F-EMC, QLA2200F-EMC ³ , QLA2310F-E-SP ³ , QLA2342-E-SP ^{3, 23, 33}	FC-AL, FC-SW	N	
107	PowerEdge: 1750, 2650 ⁶ , 4600 ⁶ , 6600 ⁶	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{47, 48} , QLogic: QLA2200F-EMC ³ , QLA2310F-E-SP ³ , QLA2342-E-SP ^{3, 23, 33}	FC-AL, FC-SW	N	
108	PowerEdge: 1750, 2600 ⁶ , 2650, 2650 ⁶ , 4600 ⁶ , 6600 ⁶ , 6650	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	FC-AL, FC-SW	Y	
109	PowerEdge: 1750, 2600 ⁶ , 2650, 4600 ⁶ , 6600 ⁶ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{21, 29, 30, 31, 32, 33, 34}	FC-AL, FC-SW	Y	
110	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{31, 32, 33, 34, 39, 44, 45} , LP10000DC-E ^{3, 31, 32, 33, 34, 39, 44, 45} , LP1050-E ^{21, 29, 30, 31, 32, 33, 34, 51} , LP1050DC-E ^{21, 29, 30, 31, 32, 33, 34, 51}	FC-AL, FC-SW	Y ^{15, 16, 17, 18, 19, 20}	
111	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 22, 23, 24}	FC-AL, FC-SW	N	
112	PowerEdge 2650 ⁶	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic: QLA2200F ^{3, 4, 5, 22, 23, 24} , QLA2310F-E-SP ^{3, 10} , QLA2342-E-SP	FC-AL, FC-SW	N	
113	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 4, 11}	QLogic QLA2340-E-SP ^{3, 10}	FC-AL, FC-SW ²	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 20}	
114	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 5, 28} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 10}	FC-AL, FC-SW ²	N	
115	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 5, 28} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 4, 11} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 10}	FC-AL, FC-SW ²	N	
116	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 8, 36, 37}	FC-AL, FC-SW ²	N	
117	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 8, 36, 37}	FC-AL, FC-SW ²	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
118	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 10}	FC-AL, FC-SW ²	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
119	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2340-E-SP ³	FC-AL, FC-SW ²	N	
120	PowerEdge: 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.10 ^{1, 2, 5, 28} , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 10}	FC-AL, FC-SW ²	N	
121	PowerEdge 2650	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 10}	FC-AL, FC-SW ²	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
122	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 4, 11}	QLogic QLA2340-E-SP ^{3, 10}	FC-AL, FC-SW ²	Y ^{12, 13, 14, 15, 16, 17, 18, 19, 20}	
123	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 5, 28} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 4, 11} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 10}	FC-AL, FC-SW ²	N	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
124	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 8, 36, 37}	FC-AL, FC-SW ²	N	
125	PowerEdge: 2600 ⁶ , 2650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ^{2, 35} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 8, 36, 37}	FC-AL, FC-SW ²	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
126	PowerEdge 2650 ⁶	PCI-X	Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 10}	FC-AL, FC-SW ²	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
127	PowerEdge 2600 ⁶	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 10}	FC-AL, FC-SW ²	Y ^{13, 14, 15, 16, 17, 18, 19, 20}	
128	PowerEdge: 1750, 2600 ⁶ , 2650 ⁶ , 4600 ⁶ , 6600 ⁶	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ³	FC-AL, FC-SW ²	N	
129	PowerEdge 2650 ⁶	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 10}	FC-AL, FC-SW ²	N	
130	PowerEdge: 2600 ⁶ , 6600 ⁶	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.10 ^{1, 2, 5, 28} , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 10}	FC-AL, FC-SW ²	N	
131	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{21, 29, 30, 31, 32, 34}	FC-AL, FC-SW ³³	Y	
132	PowerEdge: 1750, 2600 ⁶ , 2650, 4600 ⁶ , 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{21, 29, 30, 31, 32, 34}	FC-AL, FC-SW ³³	Y	
133	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002DC-E ^{21, 29, 30, 31, 33, 34, 41, 42}	FC-AL, FC-SW ^{33, 39}	Y ^{15, 16, 17, 18, 19, 20}	
134	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{21, 29, 30, 31, 33, 34, 41, 42}	FC-AL, FC-SW ^{33, 39}	N	
135	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{21, 29, 30, 31, 33, 34, 41, 42}	FC-AL, FC-SW ^{33, 39}	Y ^{14, 15, 16, 17, 18, 19, 20, 52}	
136	PowerEdge: 1550 ⁶ , 1650 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{21, 29, 30, 31, 32, 33, 34}	FC-AL, FC-SW ^{33, 39}	Y	
137	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002DC-E ^{21, 29, 30, 31, 33, 34, 41, 42}	FC-AL, FC-SW ^{33, 39}	Y ^{15, 16, 17, 18, 19, 20}	
138	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{21, 29, 30, 31, 33, 34, 41, 42}	FC-AL, FC-SW ^{33, 39}	N	
139	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{21, 29, 30, 31, 33, 34, 41, 42}	FC-AL, FC-SW ^{33, 39}	Y ^{14, 15, 16, 17, 18, 19, 20, 52}	
140	PowerEdge: 1750, 2600 ⁶ , 2650, 4600 ⁶ , 6600 ⁶ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{21, 29, 30, 31, 32, 33, 34}	FC-AL, FC-SW ^{33, 39}	Y	
141	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ^{21, 29, 30, 31, 32, 34, 40}	FC-AL, FC-SW ^{33, 39}	Y ^{15, 16, 17, 18, 19, 20}	
142	PowerEdge 1650 ⁶	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002-E (LP9002L-E) ^{21, 29, 31, 32, 34, 40}	FC-AL, FC-SW ^{33, 39}	N	
143	PowerEdge: 1550 ⁶ , 2300 ⁶ , 2400, 2450 ⁶ , 2500 ⁶ , 2550 ⁶ , 7, 4400 ⁶ , 6100 ⁶ , 6300 ⁶ , 6350 ⁶ , 6400 ⁶ , 6450 ⁶ , 8450 ⁶	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002-E (LP9002L-E) ^{21, 29, 30, 31, 32, 34, 40}	FC-AL, FC-SW ^{33, 39}	Y ^{14, 15, 16, 17, 18, 19, 20, 52}	
144	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 35} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ^{21, 29, 30, 31, 32, 34, 40}	FC-AL, FC-SW ^{33, 39}	Y ^{15, 16, 17, 18, 19, 20}	

Dell – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
145	PowerEdge: 1750, 4600 ⁶	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 35} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 35} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{21, 29, 31, 32, 34, 40}	FC–AL, FC–SW ³⁹	N	
146	PowerEdge: 2600 ⁶ , 2650, 6600 ⁶ , 6650	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{21, 29, 30, 31, 32, 34, 40}	FC–AL, FC–SW ³⁹	Y ^{14, 15} , 16, 17, 18, 19, 20, 52	

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Host must be offline for CLARiiON–licensed (Flare) upgrade and Storage Processor replacement.
- Supported with QLogic driver v6.05.00.
- Requires v6.0.5 or higher Navisphere host Agent/CLI.
- An RPM from Dell may be used to install the QLogic v6.05.00 driver and may be obtained from the QLogic website at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires BIOS v1.83 for QLA2200F and BIOS v1.34 for QLA2310F, QLA2340–E–SP, and QLA2342–E–SP available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- Requires BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
- Requires v6.2.1 or higher Navisphere host agent/CLI.
- This kernel is limited to 110 devices, not 128.
- Requires QLogic driver 4.47.18 driver disk, dd.img–i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Only one HBA is qualified for use in the Linux host when booting from the CLARiiON via fabric.
- Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- Driver Version v6.x series. Supports persistent binding and only supports Class 3.
- Driver Version v6.05.00.
- Requires QLogic driver 4.47.18 and BIOS 1.83.
- Install with driver provided by RedHat Installer and upgrade to the EMC–approved driver after installation.
- Requires v6.05 or higher Navisphere host agent/CLI.
- This system is supported with Red Hat 2.1 Advanced Server v2.4.9–E.3 and updated with v2.4.9–E.9, E.10, and E.12 RPMs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- FCode value 1.63a2.
- Single HBA zoning is required regardless of the switch being utilized.
- Driver Version 1.23a.
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- Driver Version v6.04.01.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Requires QLogic driver v6.04.01 (included in 2.4.9–e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- FC–AL and FC–SW can run concurrently on separate HBAs on the same Host.
- The LP9002–E now ships with the LP9002L–E low profile adapter.
- Firmware Version 3.90a7.
- FCode value 1.63a.
- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
- Firmware Version 1.80a2.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Firmware Version v3.90a7.
- Driver Version v1.22e.
- Firmware Version 1.02a0.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- Firmware Version 1.80a3.
- Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.**

HPQ

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 4, 6000, II, PRO, III; Netserv: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ^{1, 2, 11, 16, 30}	QLogic QLA2200F–EMC ^{3, 12, 13, 14, 15}	FC–AL, FC–SW	N	
2	Netserv LH 3000; Proliant: 1600 ^{5, 9} , 1850 ^{5, 8} , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5, 8} , 6000 ^{5, 8} , 6400R ⁵ , 6500 ^{5, 8} , 7000 ^{5, 8} , 800, 8000 ^{5, 8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ^{1, 2, 11, 30}	QLogic QLA2200F–EMC ^{3, 12}	FC–AL, FC–SW	N	
3	Netserv LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 12}	QLogic QLA2200F ^{3, 4, 6, 7, 11, 12}	FC–AL, FC–SW	Y ^{18, 21, 23, 24, 25, 26, 27, 28, 29, 31, 32}	
4	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 4, 6000, II, PRO, III; Netserv: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 12, 16, 18}	QLogic QLA2310F–E–SP ^{3, 13, 15, 17, 20}	FC–AL, FC–SW	Y ^{21, 22, 23, 24, 25, 26, 27, 28, 29}	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
5	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.32, 12, 18	QLogic QLA2200F ^{3, 4, 6, 7, 11, 12}	FC-AL, FC-SW	y21, 23, 24, 25, 26, 27, 28, 29, 31, 32	
6	Netserver LH 3000; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.32, 12, 18	QLogic QLA2310F-E-SP ^{3, 17}	FC-AL, FC-SW	y21, 22, 23, 24, 25, 26, 27, 28, 29	
7	Netserver: LH (LH Pro), LP 2000r	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{1, 2, 16}	QLogic QLA2200F-EMC ^{3, 11, 13, 14, 15}	FC-AL, FC-SW	N	
8	Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580 ⁵ , ML350 ⁵	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{1, 2, 18}	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	N	
9	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 16, 30} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.32, 12, 16, 18, v2.4.9-E.9 ^{1, 2, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16}	QLogic QLA2342-E-SP ^{13, 15, 19, 20}	FC-AL, FC-SW	N	
10	Netserver LP 2000r	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 16} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.32, 12, 16, 18; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16}	QLogic QLA2200F-EMC ^{3, 11, 12, 13, 14, 15}	FC-AL, FC-SW	N	
11	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 16} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.32, 12, 16, 18; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16}	QLogic QLA2200F-EMC ^{3, 11, 12, 13, 14, 15}	FC-AL, FC-SW	N	
12	Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 800, 8000 ^{5,8} , 850 ⁵	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.32, 12, 18, v2.4.9-E.9 ^{1, 2, 18} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
13	Netserver LH 3000; Proliant: DL580(G2) ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.32, 12, 18, v2.4.9-E.9 ^{1, 2, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
14	Proliant: 3000 ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.9 ^{1, 2, 18} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16}	QLogic QLA2342-E-SP ³	FC-AL, FC-SW	N	
15	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.9 ^{1, 2, 16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2310F-E-SP ^{3, 17}	FC-AL, FC-SW	N	
16	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2, 16} , v2.4.9-E.16 ^{1, 2, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3, 11, 12}	FC-AL, FC-SW	N	
17	Netserver LP 2000r	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 16} , v2.4.9-E.12 ^{1, 16} , v2.4.9-E.16 ^{1, 2, 16} , v2.4.9-E.32, 12, 16, 18, v2.4.9-E.9 ^{1, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2, 16} , v2.4.9-e.16 ^{1, 2, 16}	QLogic QLA2342-E-SP ^{13, 15, 19, 20}	FC-AL, FC-SW	N	
18	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 16} , v2.4.9-E.12 ^{1, 16} , v2.4.9-E.16 ^{1, 16} , v2.4.9-E.3 ¹⁶ , v2.4.9-E.9 ^{1, 16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 16} , v2.4.9-e.16 ^{1, 16}	QLogic QLA2310F-E-SP ^{3, 13, 15, 20}	FC-AL, FC-SW	y22, 23, 24, 25, 26, 27, 28, 29	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
19	NetsERVER LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,16} , v2.4.9-E.12 ^{1,16} , v2.4.9-E.16 ^{1,16} , v2.4.9-E.3 ¹⁶ , v2.4.9-E.9 ^{1,16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,16} , v2.4.9-e.16 ^{1,16}	QLogic QLA2342-E-SP ^{13,15,19,20}	FC-AL, FC-SW	N	
20	NetsERVER LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,16} , v2.4.9-E.12 ^{1,16} , v2.4.9-E.16 ^{1,16} , v2.4.9-E.3 ¹⁶ , v2.4.9-E.9 ^{1,16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,16} , v2.4.9-e.16 ^{1,16}	QLogic: QLA2200F-EMC ^{3,13,14,15} , QLA2342-E-SP ^{13,15,19,20}	FC-AL, FC-SW	N	
21	NetsERVER LC: 2000 U3, 2000R; NetsERVER LH: 3, 4, 6000, II, PRO, III; NetsERVER LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,16} , v2.4.9-E.12 ^{1,16} , v2.4.9-E.9 ^{1,16}	QLogic QLA2310F-E-SP ^{3,13,15,20}	FC-AL, FC-SW	Y22, 23, 24, 25, 26, 27, 28, 29	
22	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.10 ^{1,2,11,30} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2310F-E-SP ^{3,17}	FC-AL, FC-SW	N	
23	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,12,18} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
24	Proliant ML750 ⁵	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.9 ^{1,2,18} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2}	QLogic QLA2342-E-SP ³	FC-AL, FC-SW	N	
25	NetsERVER LC: 2000 U3, 2000R; NetsERVER LH: (LH Pro), 3, 3000, 4, 6000, II, PRO, III; NetsERVER LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2}	QLogic QLA2200F ^{3,4,6,7}	FC-AL, FC-SW	N	
26	Proliant ML750 ⁵	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2,18}	QLogic QLA2340-E-SP ³	FC-AL, FC-SW	N	
27	NetsERVER LC: 2000 U3, 2000R; NetsERVER LH: 3, 4, 6000, II, PRO, III; NetsERVER LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2,16} , v2.4.9-E.16 ^{1,2,16} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2,16} , v2.4.9-e.16 ^{1,2,16}	QLogic QLA2200F-EMC ^{3,11,12,13,14,15}	FC-AL, FC-SW	N	
28	NetsERVER LH 3000; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3,11,12}	FC-AL, FC-SW	N	
29	Proliant: ML350(G2) ⁵ , ML350(G3), ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2,18}	QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW	N	
30	NetsERVER LH PRO; Proliant ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,12,18} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3,4,6,7,11,12}	FC-AL, FC-SW	N	
31	NetsERVER LC: 2000 U3, 2000R; NetsERVER LH: 3, 4, 6000, II, PRO, III; NetsERVER LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,16,49} , v2.4.9-e.25 ^{2,16,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,16,49} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3,13,15,20,51}	FC-AL, FC-SW	Y22, 23, 24, 25, 26, 27, 28, 29	
32	NetsERVER LC: 2000 U3, 2000R; NetsERVER LH: 3, 4, 6000, II, PRO, III; NetsERVER LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,16,49} , v2.4.9-e.25 ^{2,16,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,16,49} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3,13,14,51} , QLA2342-E-SP ^{7,13,15,19,20,51}	FC-AL, FC-SW	N	
33	NetsERVER LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,16,49} , v2.4.9-e.25 ^{2,16,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{2,16,49} , v2.4.9-e.27	QLogic QLA2200F-EMC ^{3,13,14,51}	FC-AL, FC-SW	N	
34	NetsERVER LC: 2000 U3, 2000R; NetsERVER LH: (LH Pro), 3, 3000, 4, 6000, II, III; NetsERVER LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49}	QLogic QLA2200F ^{3,13,14,15,19}	FC-AL, FC-SW	Y23, 24, 25, 26, 27, 28, 29, 31, 32	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
35	Netserver LH PRO; Proliant ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49}	QLogic QLA2200F ^{3, 13, 14, 15, 19}	FC-AL, FC-SW	N	
36	Netserver LH 3000; Proliant: 1600 ^{5, 9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5, 8} , 6000 ^{5, 8} , 6400R ⁵ , 6500 ^{5, 8} , 7000 ^{5, 8} , 800, 8000 ^{5, 8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) ⁵ , ML350 ⁵ , ML370(G2) ⁵ , ML370(G3) ⁵ , ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 13, 15, 20, 51}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
37	Proliant ML750 ⁵	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 15, 20, 51}	FC-AL, FC-SW	Y ^{10, 22, 23, 24, 25, 26, 27, 28, 29}	
38	Proliant ML750 ⁵	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{3, 7, 13, 15, 19, 20, 51}	FC-AL, FC-SW	N	
39	Proliant: 3000 ⁵ , 6500 ^{5, 8} , 7000 ^{5, 8} , 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380 ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) ⁵ , ML350 ⁵ , ML370(G2) ⁵ , ML370(G3) ⁵ , ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 13, 14, 51} , QLA2342-E-SP ^{3, 7, 13, 15, 19, 20, 51}	FC-AL, FC-SW	N	
40	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 13, 14, 51} , QLA2342-E-SP ^{3, 7, 13, 15, 19, 20, 51} , QLA2342-E-SP ^{7, 13, 15, 19, 20, 51}	FC-AL, FC-SW	N	
41	Netserver LH 3000; Proliant: 1600 ^{5, 9} , 1850 ⁵ , 2500 ⁵ , 5000 ⁵ , 5500 ^{5, 8} , 6000 ^{5, 8} , 6400R ⁵ , 800, 8000 ^{5, 8} , 850 ⁵ , DL580(G2) ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 13, 14, 51} , QLA2342-E-SP ^{3, 7, 13, 15, 19, 20, 51}	FC-AL, FC-SW	N	
42	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	QLogic: QLA2310F-E-SP ^{3, 13, 15, 20, 51} , QLA2340-E-SP ^{3, 15, 20, 51}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
43	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁵ , 800, 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3) ⁵ , DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) ⁵ , ML350 ⁵ , ML370(G2) ⁵ , ML370(G3) ⁵ , ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	Emulex LP9802DC-E ^{13, 43, 44, 45, 46, 47}	FC-AL, FC-SW	Y	
44	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁵ , 800, 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3) ⁵ , DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) ⁵ , ML350 ⁵ , ML370(G2) ⁵ , ML370(G3) ⁵ , ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{13, 19, 43, 44, 46, 47, 62, 66}	FC-AL, FC-SW	Y ^{24, 25, 26, 27, 28, 29}	
45	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ¹⁶ , v2.4.9-e.25 ¹⁶ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ¹⁶ , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 13, 15, 20, 51}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
46	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ¹⁶ , v2.4.9-e.25 ¹⁶ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ¹⁶ , v2.4.9-e.27	QLogic QLA2342-E-SP ^{7, 13, 15, 19, 20, 51}	FC-AL, FC-SW	N	
47	Netserver LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ¹⁶ , v2.4.9-e.25 ¹⁶ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ¹⁶ , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 13, 14, 51} , QLA2342-E-SP ^{7, 13, 15, 19, 20, 51}	FC-AL, FC-SW	N	
48	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{2, 12, 16, 18} , v2.4.9-E.9 ^{1, 2, 16}	QLogic QLA2200F-EMC ^{3, 11, 13, 14, 15}	FC-AL, FC-SW	N	
49	Netserver LH 3000; Proliant: 1600 ^{5, 9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5, 8} , 6000 ^{5, 8} , 6400R ⁵ , 6500 ^{5, 8} , 7000 ^{5, 8} , 800, 8000 ^{5, 8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3) ⁵ , DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) ⁵ , ML350 ⁵ , ML370(G2) ⁵ , ML370(G3) ⁵ , ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{2, 12, 18} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 11}	FC-AL, FC-SW	N	
50	Netserver LH (LH Pro)	PCI	Red Hat Linux 2.1 ES v2.4.9-e.24 ^{2, 49}	QLogic QLA2200F-EMC ^{3, 14, 51}	FC-AL, FC-SW	N	
51	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2, 16} , ES v2.4.9-e.12 ^{1, 2, 16} , ES v2.4.9-e.16 ^{1, 2, 16}	QLogic QLA2310F-E-SP ^{3, 13, 15, 17, 20}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
52	Netserver LH 3000; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1,2} , ES v2.4.9–e.12 ^{1,2} , ES v2.4.9–e.16 ^{1,2}	QLogic QLA2310F–E–SP ^{3,17}	FC–AL, FC–SW	Y ^{22,23} , 24, 25, 26, 27, 28, 29	
53	Proliant ML750 ⁵	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1,2} , ES v2.4.9–e.12 ^{1,2} , ES v2.4.9–e.16 ^{1,2}	QLogic QLA2340–E–SP ³	FC–AL, FC–SW	Y ^{10,22} , 23, 24, 25, 26, 27, 28, 29	
54	Proliant DL380(G3)	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1,2} , ES v2.4.9–e.12 ^{1,2} , ES v2.4.9–e.16 ^{1,2}	QLogic QLA2310F–E–SP ^{3,17} , QLA2340–E–SP ^{3,17}	FC–AL, FC–SW	Y ^{22,23} , 24, 25, 26, 27, 28, 29	
55	Netserver LC: 2000 U3, 2000R; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1,2} , ES v2.4.9–e.12 ^{1,2} , ES v2.4.9–e.16 ^{1,2} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2200F ^{3,4,6,7,11} , 12	FC–AL, FC–SW	Y ^{23,24} , 25, 26, 27, 28, 29, 31, 32	
56	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ⁵ , 800, 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27	Emulex: LP10000–E ^{19,43,44} , 45, 48, 55, 56, LP10000DC–E ³ , 19, 43, 44, 45, 48, 55, 56 LP1050–E ^{13,19,43,44,45,46} , 47, 67, LP1050DC–E ^{13,19,43} , 44, 45, 46, 47, 67	FC–AL, FC–SW	Y ^{24,25} , 26, 27, 28, 29, 57	
57	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ⁵ , 800, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{19,43,44} , 45, 48, 55, 56, LP10000DC–E ³ , 19, 43, 44, 45, 48, 55, 56 LP1050–E ^{13,19,43,44,45,46} , 47, 67, LP1050DC–E ^{13,19,43} , 44, 45, 46, 47, 67	FC–AL, FC–SW	N	See ⁵⁴
58	Netserver LC: 2000 U3, 2000R; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II, III; Netserver: LP 2000R, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F ^{3,13,14,15} , 19, 51	FC–AL, FC–SW	Y ^{23,24} , 25, 26, 27, 28, 29, 31, 32	
59	Netserver LH PRO; Proliant ML750 ¹⁰	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F ^{3,13,14,15} , 19, 51	FC–AL, FC–SW	N	
60	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{63,64}	FC–AL, FC–SW	Y ^{23,24} , 25, 26, 27, 28, 29, 31, 32	
61	Proliant ML750 ⁵	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{63,64} , QLogic QLA2200F	FC–AL, FC–SW	N	
62	Netserver LP 2000R	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{63,64} , QLogic QLA2200F–EMC	FC–AL, FC–SW	N	
63	Netserver LC: 2000 U3, 2000R; Netserver: LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{63,64} , QLogic: QLA2200F–EMC ³ , QLA2310F–E–SP ³ , QLA2342–E–SP ^{3,6,19}	FC–AL, FC–SW	N	
64	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R, LXR 8000, LXR 8500; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC–AL, FC–SW	Y	
65	Netserver LH (LH Pro)	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2200F–EMC	FC–AL, FC–SW	N	
66	Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LX PRO, LXR PRO, LXR PRO8	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic: QLA2200F–EMC ³ , QLA2310F–E–SP ³ , QLA2342–E–SP ^{3,6,19}	FC–AL, FC–SW	N	
67	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ⁵ , 800, 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{13,19,43} , 44, 45, 46, 47	FC–AL, FC–SW	Y	
68	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ⁵ , 800, 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{19,43,44} , 45, 48, 55, 56, LP10000DC–E ³ , 19, 43, 44, 45, 48, 55, 56 LP1050–E ^{13,19,43,44,45,46} , 47, 67, LP1050DC–E ^{13,19,43} , 44, 45, 46, 47, 67	FC–AL, FC–SW	Y ^{24,25} , 26, 27, 28, 29	
69	Netserver LH 3000; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3) , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3,4,6,7,11} , 12	FC–AL, FC–SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
70	Netserver: LH (LH Pro), LP 2000r	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{11, 12} , QLA2200F ^{3, 4, 6, 7, 11, 12}	FC–AL, FC–SW	N	
71	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{3, 4, 6, 7, 11, 12} , QLA2200F ^{3, 4, 6, 7, 11, 12} , QLA2342–E–SP	FC–AL, FC–SW	N	
72	Netserver LH PRO	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{3, 11, 12} , QLA2342–E–SP	FC–AL, FC–SW	N	
73	Proliant: 3000 ⁵ , 6500 ^{5, 8} , 7000 ^{5, 8} , 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380 ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.3 ^{2, 12, 18} , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
74	Proliant: DL360(G3), DL560, ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ^{1, 2, 11, 30}	QLogic QLA2200F–EMC ^{3, 12}	FC–AL, FC–SW	N	
75	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 12, 18}	IBM 19K1246(QLA2310) ^{4, 6, 7, 38, 39}	FC–AL, FC–SW	N	
76	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 12, 18}	QLogic QLA2200F ^{3, 4, 6, 7, 11, 12}	FC–AL, FC–SW	y21, 23, 24, 25, 26, 27, 28, 29, 31, 32	
77	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 12, 18}	QLogic QLA2310F–E–SP ^{3, 17}	FC–AL, FC–SW	y21, 22, 23, 24, 25, 26, 27, 28, 29	
78	Proliant: DL760 (G2), DL760 ⁵	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 12, 18}	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
79	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 12, 18, 33}	QLogic: QLA2200F–EMC ^{3, 4, 6, 7, 11} , QLA2310F–E–SP ^{3, 4, 6, 7, 17} , QLA2342–E–SP	FC–AL, FC–SW	N	
80	Proliant: DL760 (G2), DL760 ⁵	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F–EMC ¹¹	FC–AL, FC–SW	N	
81	Proliant: DL360(G3), DL560	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2, 18}	QLogic QLA2340–E–SP ^{3, 17}	FC–AL, FC–SW	N	
82	Proliant: DL360(G3), DL560, ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 11, 30} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.9 ^{1, 2, 18} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic QLA2342–E–SP ³	FC–AL, FC–SW	N	
83	Proliant: DL360(G3), DL560, ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 11, 30} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2310F–E–SP ^{3, 17}	FC–AL, FC–SW	N	
84	Proliant: DL760 (G2), DL760 ⁵	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 11} , v2.4.9–E.12 ^{1, 2}	QLogic QLA2200F–EMC ^{11, 12}	FC–AL, FC–SW	N	
85	Proliant DL740	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 11} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic QLA2200F–EMC ^{11, 12}	FC–AL, FC–SW	N	
86	Proliant DL740	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2} , v2.4.9–E.12 ^{1, 2}	QLogic: QLA2200F ^{3, 4, 6, 7} , QLA2340–E–SP ³	FC–AL, FC–SW	N	
87	Proliant DL740	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic QLA2342–E–SP ³	FC–AL, FC–SW	N	
88	Proliant: DL760 (G2), DL760 ⁵	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.9 ^{1, 2, 18} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic QLA2342–E–SP ³	FC–AL, FC–SW	N	
89	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F ^{3, 4, 6, 7}	FC–AL, FC–SW	N	
90	Proliant: DL760 (G2), DL760 ⁵	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2, 18}	QLogic QLA2340–E–SP ³	FC–AL, FC–SW	N	
91	Proliant: DL360(G3), DL560, ML570(G2)	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F–EMC ^{3, 11, 12}	FC–AL, FC–SW	N	
92	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{1, 2} , v2.4.9–e.24 ² , v2.4.9–e.25 ^{2, 49} ; Red Hat Linux 2.1 ES v2.4.9–e.25 ^{2, 49}	QLogic QLA2200F ^{3, 4, 6, 7, 35, 36}	FC–AL, FC–SW	N	
93	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{1, 2} , v2.4.9–e.24 ² , v2.4.9–e.25 ² ; Red Hat Linux: 2.1 ES v2.4.9–e.25 ² , 8.0 updated to v2.4.20–20.8 ²	IBM 19K1246(QLA2310) ^{3, 4, 6, 7, 38, 39}	FC–AL, FC–SW	N	
94	Proliant BL40p	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{1, 2} , v2.4.9–E.3 ^{2, 12, 18} , v2.4.9–e.24 ² , v2.4.9–e.25 ² ; Red Hat Linux: 2.1 ES v2.4.9–e.25 ² , 8.0 updated to v2.4.20–20.8 ²	IBM 00N6881 (QLA2200) ^{4, 6, 7, 39, 40, 41}	FC–AL, FC–SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
95	Proliant ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2, 18}	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	N	
96	Proliant: DL760 (G2), DL760 ⁵	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 12, 18} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 11, 12}	FC-AL, FC-SW	N	
97	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49}	QLogic QLA2200F ^{3, 13, 14, 15, 19}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
98	Proliant: DL360(G3), DL560, DL760 (G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 13, 15, 20, 51}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
99	Proliant DL740	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{13, 14, 51} , QLA2200F-EMC ^{3, 13, 14, 51} , QLA2342-E-SP ^{3, 7, 13, 15, 19, 20, 51}	FC-AL, FC-SW	N	
100	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 13, 14, 51} , QLA2342-E-SP ^{3, 7, 13, 15, 19, 20, 51}	FC-AL, FC-SW	N	
101	Proliant: DL740, DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	QLogic: QLA2310F-E-SP ^{3, 13, 15, 20, 51} , QLA2340-E-SP ^{3, 15, 20, 51}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
102	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	Emulex LP9802DC-E ^{13, 43, 44, 45, 46, 47}	FC-AL, FC-SW	Y	
103	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{13, 19, 43, 44, 46, 47, 62, 66}	FC-AL, FC-SW	Y ^{24, 25, 26, 27, 28, 29}	
104	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 4, 6, 7, 11, 12, 15, 51} , QLA2310F-E-SP ^{3, 4, 6, 7, 15, 17, 37, 51} , QLA2340-E-SP ^{3, 4, 6, 7, 17, 51} , QLA2342-E-SP ^{3, 7, 51}	FC-AL, FC-SW	N	
105	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{13, 19, 43, 44, 46, 47, 62, 66}	FC-AL, FC-SW	N	
106	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{43, 44, 45, 46}	FC-AL, FC-SW	Y	
107	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{2, 12, 18} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 11}	FC-AL, FC-SW	N	
108	Proliant DL740	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 11, 12}	FC-AL, FC-SW	N	
109	Proliant DL740	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F ^{3, 4, 6, 7}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
110	Proliant DL360(G3)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F ^{3, 4, 6, 7, 11, 12}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
111	Proliant: DL360(G3), DL560, DL760 (G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 17}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
112	Proliant: DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic: QLA2310F-E-SP ^{3, 17} , QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
113	Proliant DL740	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic: QLA2310F-E-SP ^{3, 17} , QLA2340-E-SP ^{3, 17} , QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
114	Proliant: DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F ^{3, 4, 6, 7, 11, 12}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
115	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.24 ² , ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ¹³ , 19, 43, 44, 46, 47, 62, 66	FC–AL, FC–SW	Y ^{10, 24, 25, 26, 27, 28, 29}	
116	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27	Emulex: LP10000–E ^{19, 43, 44, 45, 48, 55, 56} , LP10000DC–E ^{3, 19, 43, 44, 45, 48, 55, 56} LP1050–E ^{13, 19, 43, 44, 45, 46, 47, 67} , LP1050DC–E ^{13, 19, 43, 44, 45, 46, 47, 67}	FC–AL, FC–SW	Y ^{24, 25, 26, 27, 28, 29, 57}	
117	Proliant: BL40p, DL740, DL760 (G2), DL760 ⁵	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{19, 43, 44, 45, 48, 55, 56} , LP10000DC–E ^{3, 19, 43, 44, 45, 48, 55, 56} LP1050–E ^{13, 19, 43, 44, 45, 46, 47, 67} , LP1050DC–E ^{13, 19, 43, 44, 45, 46, 47, 67}	FC–AL, FC–SW	N	
118	Proliant: DL560, ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{19, 43, 44, 45, 48, 55, 56} , LP10000DC–E ^{3, 19, 43, 44, 45, 48, 55, 56} LP1050–E ^{13, 19, 43, 44, 45, 46, 47, 67} , LP1050DC–E ^{13, 19, 43, 44, 45, 46, 47, 67}	FC–AL, FC–SW	N	See ⁵⁴
119	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	Emulex LP982–E ^{13, 19, 47, 62}	FC–AL, FC–SW	Y ^{10, 22, 23, 24, 25, 26, 27, 28, 29, 31, 32, 59, 60, 61}	
120	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM: 00N6881 (QLA2200) ^{4, 6, 7, 40, 41, 51} , 19K1246(QLA2310) ^{3, 4, 6, 7, 38, 51} , QLogic QLA2200F ^{3, 4, 6, 7, 35, 36, 51}	FC–AL, FC–SW	N	
121	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F ^{3, 13, 14, 15, 19, 51}	FC–AL, FC–SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
122	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{13, 19, 47, 62}	FC–AL, FC–SW	N	
123	Proliant BL40p	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27 ² , ES v2.4.9–e.24 ² , ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{13, 19, 43, 44, 45, 47, 58}	FC–AL, FC–SW	Y	
124	Proliant: DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{63, 64}	FC–AL, FC–SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
125	Proliant DL360(G3)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{63, 64} , QLogic QLA2200F	FC–AL, FC–SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
126	Proliant: DL740, DL760 (G2), DL760 ⁵	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{63, 64} , QLogic QLA2200F–EMC ^{4, 6, 7}	FC–AL, FC–SW	N	
127	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{63, 64} , QLogic: QLA2200F–EMC ³ , QLA2310F–E–SP ³ , QLA2342–E–SP ^{3, 6, 19}	FC–AL, FC–SW	N	
128	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC–AL, FC–SW	Y	
129	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{13, 19, 43, 44, 45, 46, 47}	FC–AL, FC–SW	Y	
130	Proliant BL40p	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP982–E ^{13, 19, 47, 62}	FC–AL, FC–SW	Y ^{10, 24, 25, 26, 27, 28, 29, 60}	
131	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{19, 43, 44, 45, 48, 55, 56} , LP10000DC–E ^{3, 19, 43, 44, 45, 48, 55, 56} LP1050–E ^{13, 19, 43, 44, 45, 46, 47, 67} , LP1050DC–E ^{13, 19, 43, 44, 45, 46, 47, 67}	FC–AL, FC–SW	Y ^{24, 25, 26, 27, 28, 29}	
132	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 6, 7, 11, 12}	FC–AL, FC–SW	N	
133	Proliant: DL760 (G2), DL760 ⁵	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{4, 6, 7, 11, 12} , QLA2200F ^{3, 4, 6, 7, 11, 12}	FC–AL, FC–SW	N	
134	Proliant BL40p	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.12 ^{1, 2} , 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{3, 4, 6, 7, 11, 12, 15} , QLA2310F–E–SP ^{3, 4, 6, 7, 15, 17, 37} , QLA2340–E–SP ^{3, 4, 6, 7, 17} , QLA2342–E–SP ³	FC–AL, FC–SW	N	
135	Proliant BL40p	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.3 ^{2, 12, 18, 33, 34} , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 6, 7, 11, 12, 35, 36}	FC–AL, FC–SW	N	
136	Proliant BL40p	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.3 ^{2, 12, 18, 34} , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2310F–E–SP ^{3, 15, 17, 37}	FC–AL, FC–SW	N	
137	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.3 ^{2, 12, 18} , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
138	Proliant BL20p (G2)	PCI-X ⁴²	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 16} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 16} , v2.4.9-E.3 ² , v2.4.9-E.9 ^{1, 16} , v2.4.9-e.24 ¹⁶ , v2.4.9-e.25 ¹⁶ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 16} , v2.4.9-e.16 ^{1, 16} , v2.4.9-e.24 ¹⁶ , v2.4.9-e.25 ¹⁶ , v2.4.9-e.27; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	HPQ Dual-port mezzanine controller card	FC-AL, FC-SW	N	
139	Proliant BL20p (G2)	PCI-X ⁴²	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{63, 64}	FC-AL, FC-SW	N	
140	Proliant BL20p (G2)	PCI-X ⁴²	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	FC-AL, FC-SW	Y	
141	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{1, 2, 11, 30}	QLogic QLA2200F-EMC ^{3, 12}	FC-AL, FC-SW	N	
142	Proliant: DL580(G2) ⁵ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 12}	QLogic QLA2200F ^{3, 4, 6, 7, 11, 12}	FC-AL, FC-SW	Y ^{18, 21, 23, 24, 25, 26, 27, 28, 29, 31, 32}	
143	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 12, 18}	QLogic QLA2310F-E-SP ^{3, 17}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 27, 28, 29}	
144	Proliant DL580(G2) ⁵	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F-EMC ¹¹	FC-AL, FC-SW	N	
145	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.9 ^{1, 2, 18}	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	N	
146	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.9 ^{1, 2, 18} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2342-E-SP ³	FC-AL, FC-SW	N	
147	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11, 30} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2310F-E-SP ^{3, 17}	FC-AL, FC-SW	N	
148	Proliant DL580(G2) ⁵	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 11} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 12} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{11, 12}	FC-AL, FC-SW	N	
149	Proliant DL580(G2) ⁵	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.9 ^{1, 2, 18} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2342-E-SP ³	FC-AL, FC-SW	N	
150	Proliant: DL580(G2) ⁵ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F ^{3, 4, 6, 7}	FC-AL, FC-SW	N	
151	Proliant DL580(G2) ⁵	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2, 18}	QLogic QLA2340-E-SP ³	FC-AL, FC-SW	N	
152	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3, 11, 12}	FC-AL, FC-SW	N	
153	Proliant: DL580(G2) ⁵ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49}	QLogic QLA2200F ^{3, 13, 14, 15, 19}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
154	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 13, 15, 20, 51}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
155	Proliant DL580(G2) ⁵	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 15, 20, 51}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
156	Proliant DL580(G2) ⁵	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{13, 14, 51} , QLA2342-E-SP ^{3, 7, 13, 15, 19, 20, 51}	FC-AL, FC-SW	N	
157	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ^{2, 49} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 13, 14, 51} , QLA2342-E-SP ^{3, 7, 13, 15, 19, 20, 51}	FC-AL, FC-SW	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
158	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{13, 43, 44, 45, 46, 47}	FC-AL, FC-SW	Y	
159	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 49} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{13, 19, 43, 44, 46, 47, 62, 66}	FC-AL, FC-SW	Y ^{24, 25, 26, 27, 28, 29}	
160	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{2, 12, 18} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 11}	FC-AL, FC-SW	N	
161	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
162	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 17}	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
163	Proliant DL580(G2) ⁵	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ³	FC-AL, FC-SW	Y ^{22, 23, 24, 25, 26, 27, 28, 29}	
164	Proliant: DL580(G2) ⁵ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F ^{3, 4, 6, 7, 11, 12}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
165	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex: LP10000-E ^{19, 43, 44, 45, 48, 55, 56} , LP10000DC-E ^{3, 19, 43, 44, 45, 48, 55, 56} LP1050-E ^{13, 19, 43, 44, 45, 46, 47, 67} , LP1050DC-E ^{13, 19, 43, 44, 45, 46, 47, 67}	FC-AL, FC-SW	Y ^{24, 25, 26, 27, 28, 29, 57}	
166	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{19, 43, 44, 45, 48, 55, 56} , LP10000DC-E ^{3, 19, 43, 44, 45, 48, 55, 56} LP1050-E ^{13, 19, 43, 44, 45, 46, 47, 67} , LP1050DC-E ^{13, 19, 43, 44, 45, 46, 47, 67}	FC-AL, FC-SW	N	See ⁵⁴
167	Proliant: DL580(G2) ⁵ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{3, 13, 14, 15, 19, 51}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
168	Proliant: DL580(G2) ⁵ , DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{63, 64}	FC-AL, FC-SW	Y ^{23, 24, 25, 26, 27, 28, 29, 31, 32}	
169	Proliant DL580(G2) ⁵	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{63, 64} , QLogic QLA2200F-EMC	FC-AL, FC-SW	N	
170	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{63, 64} , QLogic: QLA2200F-EMC ³ , QLA2310F-E-SP ³ , QLA2342-E-SP ^{3, 6, 19}	FC-AL, FC-SW	N	
171	Proliant: DL580(G2) ⁵ , DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	FC-AL, FC-SW	Y	
172	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{13, 19, 43, 44, 45, 46, 47}	FC-AL, FC-SW	Y	
173	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{19, 43, 44, 45, 48, 55, 56} , LP10000DC-E ^{3, 19, 43, 44, 45, 48, 55, 56} LP1050-E ^{13, 19, 43, 44, 45, 46, 47, 67} , LP1050DC-E ^{13, 19, 43, 44, 45, 46, 47, 67}	FC-AL, FC-SW	Y ^{24, 25, 26, 27, 28, 29}	
174	Proliant: DL580(G2) ⁵ , DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 6, 7, 11, 12}	FC-AL, FC-SW	N	
175	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.3 ^{2, 12, 18} , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
176	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 12, 16, 18}	HPQ: FCA2214 (QLA2340) ^{3, 6, 7, 17, 39, 65} , FCA2214DC (QLA2342) ^{3, 6, 7, 17, 39, 51} , QLogic QLA2340-E-SP ^{3, 15, 17, 20}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 27, 28, 29}	
177	Netserver LH 3000; Proliant: 1600 ^{5, 9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5, 8} , 6000 ^{5, 8} , 6400R ⁵ , 6500 ^{5, 8} , 7000 ^{5, 8} , 8000 ^{5, 8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 12, 18}	HPQ: FCA2214 (QLA2340) ^{3, 6, 7, 17, 39, 65} , FCA2214DC (QLA2342) ^{3, 6, 7, 17, 39, 51} , QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 27, 28, 29}	
178	Proliant 800	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 12, 18}	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 27, 28, 29}	

HPQ - Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
179	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , 2, 11, 16, 30 v2.4.9-E.12 ^{1,2} , 16 v2.4.9-E.16 ^{1,2} , 2, 16 v2.4.9-E.3 ² , 12, 16, 18 v2.4.9-E.9 ^{1,2} , 2, 16 v2.4.9-e.24 ² , 16, 49 v2.4.9-e.25 ² , 16, 49 v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , 16 v2.4.9-e.16 ^{1,2} , 2, 16 v2.4.9-e.24 ² , 49 v2.4.9-e.25 ² , 16, 49 v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ^{3, 6} , 7, 17, 39, 65 FCA2214DC (QLA2342) ^{3, 6, 7, 17, 39, 51}	FC-AL, FC-SW ¹³	N	
180	Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380 ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , 11, 30, v2.4.9-E.12 ^{1,2} , 2 Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW ¹³	N	
181	Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380 ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , 11, 30, v2.4.9-E.12 ^{1,2} , 2 v2.4.9-E.16 ^{1,2} , 2 v2.4.9-E.3 ² , 12, 16 v2.4.9-E.9 ^{1,2} , 2, 18 v2.4.9-e.24 ² , 49 v2.4.9-e.25 ² , 49 v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , 16 v2.4.9-e.16 ^{1,2} , 2 v2.4.9-e.24 ² , 49 v2.4.9-e.25 ² , 49 v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ^{3, 6} , 7, 17, 39, 65 FCA2214DC (QLA2342) ^{3, 6, 7, 17, 39, 51}	FC-AL, FC-SW ¹³	N	
182	Netserver LH 3000; Proliant: DL580(G2) ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , 11, 30, v2.4.9-E.12 ^{1,2} , 2 v2.4.9-E.16 ^{1,2} , 2 v2.4.9-E.3 ² , 12, 16 v2.4.9-E.9 ^{1,2} , 2 v2.4.9-e.24 ² , 49 v2.4.9-e.25 ² , 49 v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , 16 v2.4.9-e.16 ^{1,2} , 2 v2.4.9-e.24 ² , 49 v2.4.9-e.25 ² , 49 v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ^{3, 6} , 7, 17, 39, 65 FCA2214DC (QLA2342) ^{3, 6, 7, 17, 39, 51}	FC-AL, FC-SW ¹³	N	
183	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: DL580(G2) ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , 11, 30, v2.4.9-E.12 ^{1,2} , 2 v2.4.9-E.9 ^{1,2} , 2; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 17}	FC-AL, FC-SW ¹³	N	
184	Netserver LP 2000r	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , 16 v2.4.9-E.12 ^{1,2} , 16 v2.4.9-E.16 ^{1,2} , 2 v2.4.9-E.3 ² , 12, 16, 18 v2.4.9-E.9 ^{1,2} , 16 v2.4.9-e.24 ² , 16, 49 v2.4.9-e.25 ² , 16, 49 v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , 16 v2.4.9-e.16 ^{1,2} , 2, 16 v2.4.9-e.24 ² , 49 v2.4.9-e.25 ² , 16, 49 v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3, 6} , 7, 17, 39, 65 FCA2214DC (QLA2342) ^{3, 6, 7, 17, 39, 51}	FC-AL, FC-SW ¹³	N	
185	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , 16 v2.4.9-E.12 ^{1,2} , 16 v2.4.9-E.16 ^{1,2} , 2, 16 v2.4.9-E.9 ^{1,2} , 16 v2.4.9-e.24 ² , 16, 49 v2.4.9-e.25 ² , 16, 49 v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , 16 v2.4.9-e.16 ^{1,2} , 2, 16 v2.4.9-e.24 ² , 49 v2.4.9-e.25 ² , 16, 49 v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3, 6} , 7, 17, 39, 65 FCA2214DC (QLA2342) ^{3, 6, 7, 17, 39, 51}	FC-AL, FC-SW ¹³	Y22, 23, 24, 25, 26, 27, 28, 29	
186	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , 16 v2.4.9-E.12 ^{1,2} , 16 v2.4.9-E.16 ^{1,2} , 16 v2.4.9-E.3 ² , 16 v2.4.9-E.9 ^{1,2} , 16; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , 16 v2.4.9-e.16 ^{1,2} , 16	QLogic QLA2340-E-SP ^{3, 15, 20}	FC-AL, FC-SW ¹³	Y22, 23, 24, 25, 26, 27, 28, 29	
187	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , 16 v2.4.9-E.12 ^{1,2} , 16 v2.4.9-E.16 ^{1,2} , 16 v2.4.9-E.3 ² , 16 v2.4.9-E.9 ^{1,2} , 16 v2.4.9-e.24 ² , 16 v2.4.9-e.25 ² , 16 v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , 16 v2.4.9-e.16 ^{1,2} , 16 v2.4.9-e.25 ² , 16 v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3, 6} , 7, 17, 39, 65 FCA2214DC (QLA2342) ^{3, 6, 7, 17, 39, 51}	FC-AL, FC-SW ¹³	N, Y22, 23, 24, 25, 26, 27, 28, 29	
188	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , 16 v2.4.9-E.12 ^{1,2} , 16 v2.4.9-E.9 ^{1,2} , 16	QLogic QLA2340-E-SP ^{3, 15, 20}	FC-AL, FC-SW ¹³	Y22, 23, 24, 25, 26, 27, 28, 29	
189	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , 2 v2.4.9-E.10 ^{1,2} , 11, 30 v2.4.9-E.12 ^{1,2} , 2 v2.4.9-E.16 ^{1,2} , 2 v2.4.9-E.3 ² , 12, 18 v2.4.9-E.9 ^{1,2} , 2 v2.4.9-E.9 ^{1,2} , 2, 18 v2.4.9-e.24 ² , 49 v2.4.9-e.25 ² , 49 v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , 2 v2.4.9-e.16 ^{1,2} , 2 v2.4.9-e.24 ² , 49 v2.4.9-e.25 ² , 49 v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ^{3, 6} , 7, 17, 39, 65 FCA2214DC (QLA2342) ^{3, 6, 7, 17, 39, 51}	FC-AL, FC-SW ¹³	N	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
190	Proliant DL380(G3)	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.10 ^{1,2,11,30} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW ¹	N	
191	Proliant ML750 ⁵	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.9 ^{1,2,18} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3,6} , 7, 17, 39, 65 FCA2214DC (QLA2342) ^{3,6,7,17,39,51}	FC-AL, FC-SW ¹	N	
192	Netserver LH 3000; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1,2} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3,6} , 7, 17, 39, 65 FCA2214DC (QLA2342) ^{3,6,7,17,39,51}	FC-AL, FC-SW ¹	Y22, 23, 24, 25, 26, 27, 28, 29	
193	Proliant ML750 ⁵	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1,2} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3,6} , 7, 17, 39, 65 FCA2214DC (QLA2342) ^{3,6,7,17,39,51}	FC-AL, FC-SW ¹	Y10, 22, 23, 24, 25, 26, 27, 28, 29	
194	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,16,49} , v2.4.9-e.25 ^{2,16,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,16,49} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3,15,20,51}	FC-AL, FC-SW ¹	Y22, 23, 24, 25, 26, 27, 28, 29	
195	Netserver LH 3000; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3,15,20,51}	FC-AL, FC-SW ¹	Y22, 23, 24, 25, 26, 27, 28, 29	
196	Netserver: LH (LH Pro), LPR	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ¹⁶ , v2.4.9-e.25 ¹⁶ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ¹⁶ , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3,15,20,51}	FC-AL, FC-SW ¹	Y22, 23, 24, 25, 26, 27, 28, 29	
197	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 4, 6000, II, PRO, III; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1,2,16} , ES v2.4.9-e.12 ^{1,2,16} , ES v2.4.9-e.16 ^{1,2,16}	QLogic QLA2340-E-SP ^{3,15,17,20}	FC-AL, FC-SW ¹	Y22, 23, 24, 25, 26, 27, 28, 29	
198	Netserver LH 3000; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1,2} , ES v2.4.9-e.12 ^{1,2} , ES v2.4.9-e.16 ^{1,2}	QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW ¹	Y22, 23, 24, 25, 26, 27, 28, 29	
199	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver: LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5,9} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5,8} , 6000 ^{5,8} , 6400R ⁵ , 6500 ^{5,8} , 7000 ^{5,8} , 800, 8000 ^{5,8} , 8500, 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2340-E-SP ³	FC-AL, FC-SW ¹	N	
200	Proliant: ML350(G2) ⁵ , ML350(G3), ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵	PCI	Red Hat Linux: 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,11,30} , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW ¹	N	
201	Proliant: DL360(G3), DL560, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{2,12,18}	HPQ: FCA2214 (QLA2340) ^{3,6} , 7, 17, 39, 65 FCA2214DC (QLA2342) ^{3,6,7,17,39,51} QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW ¹	Y21, 22, 23, 24, 25, 26, 27, 28, 29	
202	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{2,12,18,33}	QLogic QLA2340-E-SP ^{3,4,6,7,17}	FC-AL, FC-SW ¹	N	
203	Proliant: DL360(G3), DL560	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,11,30} , v2.4.9-E.12 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW ¹	N	
204	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,11,30} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,12,18} , v2.4.9-E.9 ^{1,2,18} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ^{3,6} , 7, 17, 39, 65 FCA2214DC (QLA2342) ^{3,6,7,17,39,51}	FC-AL, FC-SW ¹	N	
205	Proliant DL740	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3,6} , 7, 17, 39, 65 FCA2214DC (QLA2342) ^{3,6,7,17,39,51}	FC-AL, FC-SW ¹	N	

HPQ - Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
206	Proliant: DL760 (G2), DL760 ⁵	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,12,18} , v2.4.9-E.9 ^{1,2,18} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3,6} , 7, 17, 39, 65; FCA2214DC (QLA2342) ^{3,6,7,17,39,51}	FC-AL, FC-SW ¹³	N	
207	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2} , v2.4.9-E.3 ^{2,12,18,33} , v2.4.9-e.24 ² , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ^{3,6} , 7, 17, 39, 65; FCA2214DC (QLA2342) ^{3,6,7,17,39,51}	FC-AL, FC-SW ¹³	N	
208	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1,2} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3,6} , 7, 17, 39, 65; FCA2214DC (QLA2342) ^{3,6,7,17,39,51}	FC-AL, FC-SW ¹³	Y ^{22,23}	24, 25, 26, 27, 28, 29
209	Proliant: DL360(G3), DL560, DL760 (G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3,15,20,51}	FC-AL, FC-SW ¹³	Y ^{22,23}	24, 25, 26, 27, 28, 29
210	Proliant: DL360(G3), DL560, DL760 (G2)	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1,2} , ES v2.4.9-e.12 ^{1,2} , ES v2.4.9-e.16 ^{1,2}	QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW ¹³	Y ^{22,23}	24, 25, 26, 27, 28, 29
211	Proliant: DL360(G3), DL560, ML570(G2)	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2340-E-SP ³	FC-AL, FC-SW ¹³	N	
212	Proliant ML570(G2)	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.10 ^{1,2,11,30} , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW ¹³	N	
213	Proliant BL40p	PCI-X	Red Hat Linux: 2.1 Advanced Server v2.4.9-E.3 ^{2,12,18} , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW ¹³	N	
214	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.16 ^{1,2}	QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW ¹³	Y ^{22,23}	24, 25, 26, 27, 28, 29
215	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2,12,18}	HPQ: FCA2214 (QLA2340) ^{3,6} , 7, 17, 39, 65; FCA2214DC (QLA2342) ^{3,6,7,17,39,51} ; QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW ¹³	Y ^{21,22}	23, 24, 25, 26, 27, 28, 29
216	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,11,30} , v2.4.9-E.12 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3,17}	FC-AL, FC-SW ¹³	N	
217	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,11,30} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,12,18} , v2.4.9-E.9 ^{1,2,18} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	HPQ: FCA2214 (QLA2340) ^{3,6} , 7, 17, 39, 65; FCA2214DC (QLA2342) ^{3,6,7,17,39,51}	FC-AL, FC-SW ¹³	N	
218	Proliant DL580(G2) ⁵	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.9 ^{1,2,18} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3,6} , 7, 17, 39, 65; FCA2214DC (QLA2342) ^{3,6,7,17,39,51}	FC-AL, FC-SW ¹³	N	
219	Proliant: DL580(G2) ⁵ , DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1,2} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} , v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27	HPQ: FCA2214 (QLA2340) ^{3,6} , 7, 17, 39, 65; FCA2214DC (QLA2342) ^{3,6,7,17,39,51}	FC-AL, FC-SW ¹³	Y ^{22,23}	24, 25, 26, 27, 28, 29
220	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,49} , v2.4.9-e.25 ^{2,49} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3,15,20,51}	FC-AL, FC-SW ¹³	Y ^{22,23}	24, 25, 26, 27, 28, 29
221	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2340-E-SP ³	FC-AL, FC-SW ¹³	N	
222	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁵ , 800, 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{13,43,44,45,46,47}	FC-AL, FC-SW ¹³	Y	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
223	Proliant: DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{13, 43, 44, 45, 46, 47}	FC–AL, FC–SW ¹⁹	Y	
224	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{13, 43, 44, 45, 46, 47}	FC–AL, FC–SW ¹⁹	Y	
225	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁵ , 800, 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 49} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 49} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ^{13, 19, 43, 45, 46, 47, 52, 53}	FC–AL, FC–SW ^{19, 48}	Y ^{24, 25, 26, 27, 28, 29}	
226	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁵ , 800, 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{13, 19, 43, 45, 46, 47, 52, 53}	FC–AL, FC–SW ^{19, 48}	Y ^{23, 24, 25, 26, 27, 28, 29, 59}	
227	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁵ , 800, 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{13, 19, 43, 44, 45, 46, 47}	FC–AL, FC–SW ^{19, 48}	Y	
228	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 49} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 49} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ^{13, 19, 43, 45, 46, 47, 52, 53}	FC–AL, FC–SW ^{19, 48}	Y ^{24, 25, 26, 27, 28, 29}	
229	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{13, 19, 43, 45, 46, 47, 52, 53}	FC–AL, FC–SW ^{19, 48}	N	
230	Proliant DL360(G3)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{13, 43, 44, 45, 46, 47}	FC–AL, FC–SW ^{19, 48}	Y	
231	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{43, 44, 45, 46, 47}	FC–AL, FC–SW ^{19, 48}	Y	
232	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{13, 19, 43, 45, 46, 47, 52, 53}	FC–AL, FC–SW ^{19, 48}	Y ^{23, 24, 25, 26, 27, 28, 29, 59}	
233	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{13, 19, 43, 44, 45, 46, 47}	FC–AL, FC–SW ^{19, 48}	Y	
234	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 49} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 49} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ^{13, 19, 43, 45, 46, 47, 52, 53}	FC–AL, FC–SW ^{19, 48}	Y ^{24, 25, 26, 27, 28, 29}	
235	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{13, 19, 43, 45, 46, 47, 52, 53}	FC–AL, FC–SW ^{19, 48}	Y ^{23, 24, 25, 26, 27, 28, 29, 59}	
236	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{13, 19, 43, 44, 45, 46, 47}	FC–AL, FC–SW ^{19, 48}	Y	
237	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁵ , 800, 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 49} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 49} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{13, 43, 44, 45, 46, 47, 50}	FC–AL, FC–SW ^{19, 44}	Y ^{24, 25, 26, 27, 28, 29}	
238	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁵ , 800, 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹⁰	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{13, 43, 44, 45, 46, 47, 50}	FC–AL, FC–SW ^{19, 44}	Y ^{23, 24, 25, 26, 27, 28, 29, 59}	
239	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 49} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 49} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{13, 43, 44, 45, 46, 47, 50}	FC–AL, FC–SW ^{19, 44}	Y ^{24, 25, 26, 27, 28, 29}	

HPQ – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
240	Proliant BL40p	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8²	Emulex LP9002-E (LP9002L-E) ^{43, 44, 45, 46, 50}	FC-AL, FC-SW ⁴⁴	N	
241	Proliant DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁵ , ML570(G2)	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8²	Emulex LP9002-E (LP9002L-E) ^{13, 43, 44, 45, 46, 47, 50}	FC-AL, FC-SW ⁴⁴	Y ^{23, 24, 25, 26, 27, 28, 29, 59}	
242	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 49} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 49} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002-E (LP9002L-E) ^{13, 43, 44, 45, 46, 47, 50}	FC-AL, FC-SW ⁴⁴	Y ^{24, 25, 26, 27, 28, 29}	
243	Proliant DL580(G3)	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8²	Emulex LP9002-E (LP9002L-E) ^{13, 43, 44, 45, 46, 47, 50}	FC-AL, FC-SW ⁴⁴	Y ^{23, 24, 25, 26, 27, 28, 29, 59}	

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Driver Version v6.x series. Supports persistent binding and only supports Class 3.
- Driver Version v6.05.00.
- Includes both Pentium PRO and XEON models
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- Requires v6.0.5 or higher Navisphere host Agent/CLI.
- Supported with QLogic driver v6.05.00.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Requires QLogic driver v6.04.01 (included in 2.4.9–e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
- Requires v6.2.1 or higher Navisphere host agent/CLI.
- Single HBA zoning is required regardless of the switch being utilized.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- This kernel is limited to 110 devices, not 128.
- Requires QLogic driver 4.47.18 driver disk, dd.img-i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Only one HBA is qualified for use in the Linux host when booting from the CLARiiON via fabric.
- Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- This system is supported with Red Hat 2.1 Advanced Server v2.4.9–E.3 and updated with v2.4.9–E.9, E.10, and E.12 RPMs.
- Requires QLogic driver 4.47.18 and BIOS 1.83.
- Install with driver provided by RedHat Installer and upgrade to the EMC-approved driver after installation.
- The kernel version listed is included in the corresponding standard distributed release.
- Requires v6.05 or higher Navisphere host agent/CLI.
- For fabric boot support, install with driver provided by RedHat Installer and upgrade to the EMC-approved driver after installation.
- Requires QLogic driver v6.05.00 and BIOS v1.83 for QLA2200F and BIOS v1.34 for QLA2310F, QLA2340-E-SP, and QLA2342-E-SP available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Requires BIOS v1.83 for QLA2200F and BIOS v1.34 for QLA2310F, QLA2340-E-SP, and QLA2342-E-SP available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- This HBA is equivalent to the qLogic QLA2310.
- Driver Version v6.04.02.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- Dual port PCI-X fibre channel mezzanine card option is embedded. No PCI/PCI-X slots available.
- Driver Version 1.23a.
- FCode value 1.63a2.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- Driver Version v6.04.01.
- FCode value 1.63a.
- Firmware Version 3.90a7.
- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
- Firmware Version 1.80a2.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Firmware Version 1.01a2.
- Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- PowerPath v3.02 not supported on this system.
- Firmware Version 1.02a0.
- Driver Version v1.22e.
- Firmware Version v3.90a7.
- Driver Version v6.04.01. Supports persistent binding and only supports Class 3.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- Firmware Version 1.80a3.

IBM

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ¹ , 2, 4, 12	QLogic QLA2200F–EMC ^{3, 5}	FC–AL, FC–SW	N	
2	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ¹ , 2, 4, 5, 12	QLogic QLA2200F–EMC ^{3, 6, 7, 8, 9}	FC–AL, FC–SW	N	
3	Netfinity 6000R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ²	QLogic QLA2200F ^{3, 6, 7, 9}	FC–AL, FC–SW	Y ^{5, 17, 18, 20, 21, 22, 23, 24, 25, 26, 34, 35}	
4	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 17}	IBM: 00N6881 (QLA2200) ^{6, 7, 9, 16, 28, 30} , 19K1246(QLA2310) ^{6, 7, 9, 15, 16} , 24P0960(QLA2340) ^{6, 7, 9, 16, 29}	FC–AL, FC–SW	Y ^{18, 21, 22, 23, 24, 25, 26}	
5	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 17}	IBM: 00N6881 (QLA2200) ^{6, 7, 9, 16, 28} , 19K1246(QLA2310) ^{6, 7, 9, 15, 16} , 24P0960(QLA2340) ^{6, 7, 9, 16, 29}	FC–AL, FC–SW	Y ^{18, 21, 22, 23, 24, 25, 26, 33}	
6	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 17}	IBM: 00N6881 (QLA2200) ^{6, 7, 9, 16, 28} , 19K1246(QLA2310) ^{6, 7, 9, 15, 16} , 24P0960(QLA2340) ^{6, 7, 9, 16, 29}	FC–AL, FC–SW	Y ^{18, 21, 22, 23, 24, 25, 26}	
7	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 17}	IBM: 19K1246(QLA2310) ^{6, 7, 9, 15, 16} , 24P0960(QLA2340) ^{6, 7, 9, 16, 29} ; QLogic QLA2200F	FC–AL, FC–SW	Y ^{18, 21, 22, 23, 24, 25, 26}	
8	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 17}	QLogic QLA2200F–EMC ^{3, 4, 5}	FC–AL, FC–SW	N	
9	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 17}	QLogic QLA2200F ^{3, 4, 5, 6, 7, 9}	FC–AL, FC–SW	Y ^{18, 20, 21, 22, 23, 24, 25, 26, 34, 35}	
10	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 17}	QLogic QLA2310F–E–SP ^{3, 14}	FC–AL, FC–SW	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 26, 33}	
11	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 17}	QLogic QLA2310F–E–SP ^{3, 14}	FC–AL, FC–SW	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 26}	
12	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 17}	QLogic QLA2310F–E–SP ^{3, 14}	FC–AL, FC–SW	Y ^{18, 20, 21, 22, 23, 24, 25, 26}	
13	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2}	QLogic QLA2200F–EMC ^{3, 4}	FC–AL, FC–SW	N	
14	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2, 17}	QLogic QLA2310F–E–SP ^{3, 7, 9}	FC–AL, FC–SW	N	
15	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2, 17}	QLogic QLA2340–E–SP ^{3, 14}	FC–AL, FC–SW	N	
16	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 4, 12} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic QLA2310F–E–SP ^{3, 7, 9, 14}	FC–AL, FC–SW	N	
17	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 4, 12} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
18	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 4, 12} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 5, 17} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2}	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
19	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 4, 12} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 5, 17} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
20	Netfinity 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 4, 12} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 5, 17} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2310F–E–SP ^{3, 14} , QLA2342–E–SP	FC–AL, FC–SW	N	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
21	Netfinity 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5,17} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	IBM: 00N6881 (QLA2200) ^{6,7,9,16,28} , 19K1246(QLA2310) ^{6,7,9,15,16} , 24P0960(QLA2340) ^{6,7,9,16,29}	FC-AL, FC-SW	N	
22	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ³	FC-AL, FC-SW	N	
23	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.9 ^{1,2,17} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2}	QLogic QLA2342-E-SP ³	FC-AL, FC-SW	N	
24	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2}	IBM: 19K1246(QLA2310) ^{6,7,9,15,16} , 24P0960(QLA2340) ^{6,7,9,16,29} ; QLogic: QLA2200F, QLA2310F-E-SP ^{3,14}	FC-AL, FC-SW	N	
25	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	IBM 00N6881 (QLA2200) ^{6,7,9,16,28,30} ; QLogic QLA2310F-E-SP ^{3,14}	FC-AL, FC-SW	N	
26	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	IBM 00N6881 (QLA2200) ^{6,7,9,16,28} ; QLogic QLA2310F-E-SP ^{3,14}	FC-AL, FC-SW	N	
27	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2,4,12} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	IBM: 19K1246(QLA2310) ^{6,7,9,15,16} , 24P0960(QLA2340) ^{6,7,9,16,29}	FC-AL, FC-SW	N	
28	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.9 ^{1,2,17} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2}	IBM 19K1246(QLA2310) ^{3,7,9,15,16}	FC-AL, FC-SW	N	
29	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ^{10,33} , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.9 ^{1,2}	QLogic QLA2200F ^{3,6,7,9}	FC-AL, FC-SW	N	
30	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2}	QLogic QLA2200F-EMC ^{3,4,5,6,7,8,9}	FC-AL, FC-SW	N	
31	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{3,4,5}	FC-AL, FC-SW	N	
32	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1,2} , v2.4.9-E.3 ^{2,5} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3,4,5,6,7,9}	FC-AL, FC-SW	N	
33	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ^{10,33} , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,37} , v2.4.9-e.25 ^{2,37} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,37} , v2.4.9-e.25 ^{2,37}	QLogic QLA2200F ^{3,8,27,38,39}	FC-AL, FC-SW	Y ^{20,21} , 22, 23, 24, 25, 26, 34, 35	
34	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,37} , v2.4.9-e.25 ^{2,37} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,37} , v2.4.9-e.25 ^{2,37}	QLogic QLA2200F ^{3,8,27,38,39}	FC-AL, FC-SW	N	
35	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,37} , v2.4.9-e.25 ^{2,37} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,37} , v2.4.9-e.25 ^{2,37}	QLogic QLA2200F ^{8,27,38,39}	FC-AL, FC-SW	Y ^{21,22} , 23, 24, 25, 26	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
36	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 8, 27, 40, 41}	FC-AL, FC-SW	Y ^{19, 20, 21, 22, 23, 24, 25, 26, 33}	
37	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 8, 27, 40, 41}	FC-AL, FC-SW	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
38	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 8, 27, 40, 41}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26}	
39	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2342-E-SP ^{7, 8, 27, 38, 40, 41}	FC-AL, FC-SW	N	
40	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 27, 39, 40} , QLA2310F-E-SP ^{3, 8, 27, 40, 41} , QLA2342-E-SP ^{7, 8, 27, 38, 40, 41}	FC-AL, FC-SW	N	
41	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 27, 39, 40} , QLA2342-E-SP ^{3, 7, 8, 27, 38, 40, 41}	FC-AL, FC-SW	N	
42	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 27, 39, 40} , QLA2342-E-SP ^{7, 8, 27, 38, 40, 41}	FC-AL, FC-SW	N	
43	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic: QLA2310F-E-SP ^{3, 8, 27, 40, 41} , QLA2340-E-SP ^{3, 8, 40, 41}	FC-AL, FC-SW	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
44	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ²	IBM 19K1246(QLA2310) ^{3, 8, 15, 27, 38, 41}	FC-AL, FC-SW	N	
45	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ²	IBM: 00N6881 (QLA2200) ^{3, 8, 27, 28, 38, 39, 47} , 19K1246(QLA2310) ^{8, 15, 27, 38, 41} , 24P0960(QLA2340) ^{3, 8, 27, 29, 38, 41}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 33}	
46	Netfinity 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ²	IBM: 00N6881 (QLA2200) ^{3, 8, 27, 28, 38, 39, 47} , 19K1246(QLA2310) ^{8, 15, 27, 38, 41} , 24P0960(QLA2340) ^{3, 8, 27, 29, 38, 41}	FC-AL, FC-SW	N	
47	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ²	IBM: 00N6881 (QLA2200) ^{3, 8, 27, 28, 38, 39, 47} , 19K1246(QLA2310) ^{8, 15, 27, 38, 41} , 24P0960(QLA2340) ^{3, 8, 27, 29, 38, 41}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
48	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ²	IBM: 19K1246(QLA2310) ^{8, 15, 27, 38, 41} , 24P0960(QLA2340) ^{3, 8, 27, 29, 38, 41}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
49	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{27, 42, 43, 44, 45, 46}	FC-AL, FC-SW	Y	
50	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{27, 42, 43, 45, 46}	FC-AL, FC-SW	Y	
51	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{27, 38, 42, 43, 44, 46, 68, 69}	FC-AL, FC-SW	N	
52	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{27, 38, 42, 43, 44, 46, 68, 69}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
53	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.3 ² , 5, 17, v2.4.9–E.9 ¹ , 2	QLogic QLA2200F–EMC ^{3, 4}	FC–AL, FC–SW	N	
54	Netfinity 8500R	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	IBM: 00N6881 (QLA2200) ^{6, 7, 9, 16, 28, 30} , 19K1246(QLA2310) ^{6, 7, 9, 15, 16} , 24P0960(QLA2340) ^{6, 7, 9, 16, 29}	FC–AL, FC–SW	Y ^{21, 22} , 23, 24, 25, 26	
55	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	IBM: 00N6881 (QLA2200) ^{6, 7, 9, 16, 28} , 19K1246(QLA2310) ^{6, 7, 9, 15, 16} , 24P0960(QLA2340) ^{6, 7, 9, 16, 29}	FC–AL, FC–SW	Y ^{21, 22} , 23, 24, 25, 26, 33	
56	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	IBM: 00N6881 (QLA2200) ^{6, 7, 9, 16, 28} , 19K1246(QLA2310) ^{6, 7, 9, 15, 16} , 24P0960(QLA2340) ^{6, 7, 9, 16, 29}	FC–AL, FC–SW	Y ^{21, 22} , 23, 24, 25, 26	
57	xSeries X335	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	IBM: 19K1246(QLA2310) ^{6, 7, 9, 15, 16} , 24P0960(QLA2340) ^{6, 7, 9, 16, 29} ; QLogic QLA2200F	FC–AL, FC–SW	Y ^{21, 22} , 23, 24, 25, 26	
58	Netfinity 6000R	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	QLogic QLA2200F ^{3, 6, 7, 9}	FC–AL, FC–SW	Y ^{20, 21} , 22, 23, 24, 25, 26, 34, 35	
59	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	QLogic QLA2310F–E–SP ^{3, 14}	FC–AL, FC–SW	Y ^{19, 20} , 21, 22, 23, 24, 25, 26, 33	
60	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	QLogic QLA2310F–E–SP ^{3, 14}	FC–AL, FC–SW	Y ^{19, 20} , 21, 22, 23, 24, 25, 26	
61	xSeries X335	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	QLogic QLA2310F–E–SP ^{3, 14}	FC–AL, FC–SW	Y ^{20, 21} , 22, 23, 24, 25, 26	
62	Netfinity 8500R	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2}	QLogic: QLA2310F–E–SP ^{3, 14} , QLA2340–E–SP ^{3, 14}	FC–AL, FC–SW	Y ^{19, 20} , 21, 22, 23, 24, 25, 26	
63	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ^{10, 33} , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–E.16 ^{1, 2} , ES v2.4.9–e.12 ^{1, 2} , ES v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	QLogic QLA2200F ^{3, 4, 5, 6, 7, 9}	FC–AL, FC–SW	Y ^{20, 21} , 22, 23, 24, 25, 26, 34, 35	
64	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27	Emulex: LP10000–E ^{38, 42, 43, 45, 48, 53, 54} , LP10000DC–E ^{3, 38, 42, 43, 45, 48, 53, 54} , LP1050–E ^{27, 38, 42, 43, 44, 45, 46, 70} , LP1050DC–E ^{27, 38, 42, 43, 44, 45, 46, 70}	FC–AL, FC–SW	Y ^{21, 22} , 23, 24, 25, 26, 55	
65	Netfinity 8500	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{38, 42, 43, 45, 48, 53, 54} , LP10000DC–E ^{3, 38, 42, 43, 45, 48, 53, 54} , LP1050–E ^{27, 38, 42, 43, 44, 45, 46, 70} , LP1050DC–E ^{27, 38, 42, 43, 44, 45, 46, 70}	FC–AL, FC–SW	N	
66	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.25 ² , ES v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{38, 42, 43, 45, 48, 53, 54} , LP10000DC–E ^{3, 38, 42, 43, 45, 48, 53, 54} , LP1050–E ^{27, 38, 42, 43, 44, 45, 46, 70} , LP1050DC–E ^{27, 38, 42, 43, 44, 45, 46, 70}	FC–AL, FC–SW	N	See ⁵²
67	xSeries x345	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM 19K1246(QLA2310) ^{3, 8, 15, 27, 38, 40, 41} ; QLogic QLA2200F ^{3, 8, 27, 38, 39, 40}	FC–AL, FC–SW	N	
68	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM: 00N6881 (QLA2200) ^{3, 8, 27, 28, 38, 39, 40, 47} , 19K1246(QLA2310) ^{3, 15, 27, 38, 40, 41} , 24P0960(QLA2340) ^{3, 7, 8, 27, 29, 38, 40, 41}	FC–AL, FC–SW	Y ^{21, 22} , 23, 24, 25, 26, 33	
69	Netfinity 8500	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM: 00N6881 (QLA2200) ^{3, 8, 27, 28, 38, 39, 40, 47} , 19K1246(QLA2310) ^{3, 15, 27, 38, 40, 41} , 24P0960(QLA2340) ^{3, 7, 8, 27, 29, 38, 40, 41}	FC–AL, FC–SW	N	
70	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM: 00N6881 (QLA2200) ^{3, 8, 27, 28, 38, 39, 40, 47} , 19K1246(QLA2310) ^{3, 15, 27, 38, 40, 41} , 24P0960(QLA2340) ^{3, 7, 8, 27, 29, 38, 40, 41}	FC–AL, FC–SW	Y ^{21, 22} , 23, 24, 25, 26	
71	xSeries X335	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	IBM: 19K1246(QLA2310) ^{8, 15, 27, 38, 40, 41} , 24P0960(QLA2340) ^{3, 7, 8, 27, 29, 38, 40, 41} ; QLogic QLA2200F ^{8, 27, 38, 39, 40}	FC–AL, FC–SW	Y ^{21, 22} , 23, 24, 25, 26	
72	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ^{10, 33} , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	QLogic QLA2200F ^{3, 8, 27, 38, 39, 40}	FC–AL, FC–SW	Y ^{20, 21} , 22, 23, 24, 25, 26, 34, 35	
73	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{64, 65}	FC–AL, FC–SW	Y ^{20, 21} , 22, 23, 24, 25, 26, 33, 34, 35, 63	
74	Netfinity 8500	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{64, 65}	FC–AL, FC–SW	Y ^{20, 21} , 22, 23, 24, 25, 26, 34, 35	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
75	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{64, 65}	FC–AL, FC–SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35, 63}	
76	Netfinity 6000R	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{64, 65} ; QLogic QLA2200F	FC–AL, FC–SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35}	
77	Netfinity 8500R	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{64, 65} ; QLogic: QLA2200F–EMC ^{3, 7, 9} , QLA2310F–E–SP ³ , QLA2342–E–SP ^{3, 6, 38}	FC–AL, FC–SW	N	
78	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{64, 65} ; QLogic: QLA2200F–EMC ³ , QLA2310F–E–SP ³ , QLA2342–E–SP ^{3, 6, 38}	FC–AL, FC–SW	N	
79	xSeries x345	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9002DC–E ^{64, 65} ; QLogic: QLA2310F–E–SP ³ , QLA2342–E–SP ^{3, 6, 38}	FC–AL, FC–SW	N	
80	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x345, x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	Emulex LP9802–E	FC–AL, FC–SW	Y	
81	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	IBM 00N6881 (QLA2200) ^{6, 7, 9, 16, 28}	FC–AL, FC–SW	Y ^{21, 22, 23, 24, 25, 26, 33, 34, 63}	
82	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	IBM 00N6881 (QLA2200) ^{6, 7, 9, 16, 28}	FC–AL, FC–SW	Y ^{21, 22, 23, 24, 25, 26, 34, 63}	
83	Netfinity 8500R	PCI	Red Hat Linux 7.3 updated to v2.4.20–20.7 ²	IBM 00N6881 (QLA2200) ^{6, 7, 9, 16, 28, 30}	FC–AL, FC–SW	Y ^{21, 22, 23, 24, 25, 26, 34, 63}	
84	Netfinity: 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x345, x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802DC–E ^{27, 38, 42, 43, 44, 45, 46}	FC–AL, FC–SW	Y	
85	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex: LP10000–E ^{38, 42, 43, 45, 48, 53, 54} ; LP10000DC–E ^{3, 38, 42, 43, 45, 48, 53, 54} ; LP1050–E ^{27, 38, 42, 43, 44, 45, 46, 70} ; LP1050DC–E ^{27, 38, 42, 43, 44, 45, 46, 70}	FC–AL, FC–SW	Y ^{21, 22, 23, 24, 25, 26}	
86	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2200F ^{3, 4, 5, 6, 7, 9}	FC–AL, FC–SW	N	
87	xSeries x345	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2310F–E–SP ^{3, 14}	FC–AL, FC–SW	N	
88	Netfinity 8500R	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic: QLA2200F–EMC ^{3, 4, 5, 7, 8, 9} , QLA2200F ^{3, 4, 5, 6, 7, 9}	FC–AL, FC–SW	N	
89	Netfinity 8500R	PCI	Red Hat Linux: 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 17} , 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	
90	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ^{1, 2, 4, 12}	QLogic QLA2200F–EMC ^{3, 5}	FC–AL, FC–SW	N	
91	xSeries x440 ^{12, 13}	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ²	QLogic QLA2200F ^{3, 6, 31, 32}	FC–AL, FC–SW	Y ^{5, 17, 18, 20, 21, 22, 23, 24, 25, 26}	
92	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 17}	IBM: 00N6881 (QLA2200) ^{6, 7, 9, 16, 28} , 19K1246(QLA2310) ^{6, 7, 9, 15, 16} , 24P0960(QLA2340) ^{6, 7, 9, 16, 29}	FC–AL, FC–SW	Y ^{18, 21, 22, 23, 24, 25, 26}	
93	xSeries x440 ^{12, 13}	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 17}	QLogic QLA2200F ^{3, 4, 5, 6, 31, 32}	FC–AL, FC–SW	Y ^{18, 20, 21, 22, 23, 24, 25, 26}	
94	xSeries: x255 ¹¹ , x360 ¹¹	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 17}	QLogic QLA2200F ^{3, 4, 5, 6, 7, 9}	FC–AL, FC–SW	Y ^{18, 20, 21, 22, 23, 24, 25, 26, 34, 35}	
95	xSeries x255	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 17}	QLogic QLA2310F–E–SP ^{3, 14}	FC–AL, FC–SW	Y ^{11, 18, 19, 20, 21, 22, 23, 24, 25, 26}	
96	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 17}	QLogic QLA2310F–E–SP ^{3, 14}	FC–AL, FC–SW	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 26}	
97	xSeries x235	PCI–X	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2, 5, 17, 36}	QLogic QLA2200F ^{3, 4, 5, 6, 7, 9}	FC–AL, FC–SW	Y ^{18, 20, 21, 22, 23, 24, 25, 26, 34, 35}	
98	xSeries x235	PCI–X	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 4, 12} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.16 ^{1, 2} , v2.4.9–E.3 ^{2, 5, 17, 36} , v2.4.9–E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9–e.12 ^{1, 2} , v2.4.9–e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	QLogic QLA2342–E–SP	FC–AL, FC–SW	N	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
99	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 17} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
100	xSeries x360 ¹¹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 17} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
101	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	IBM: 00N6881 (QLA2200) ^{6, 7, 9, 16, 28} , 19K1246(QLA2310) ^{6, 7, 9, 15, 16} , 24P0960(QLA2340) ^{6, 7, 9, 16, 29} ; QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	N	
102	xSeries x360 ¹¹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	IBM 00N6881 (QLA2200) ^{6, 7, 9, 16, 28} , QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	N	
103	xSeries x360 ¹¹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	IBM: 19K1246(QLA2310) ^{6, 7, 9, 15, 16} , 24P0960(QLA2340) ^{6, 7, 9, 16, 29}	FC-AL, FC-SW	N	
104	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic: QLA2200F-EMC ^{6, 7, 9} , QLA2310F-E-SP ^{6, 7, 9} , QLA2340-E-SP ^{6, 7, 9}	FC-AL, FC-SW	N	
105	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	IBM 19K1246(QLA2310) ¹⁵	FC-AL, FC-SW	N	
106	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F ^{3, 6, 31, 32}	FC-AL, FC-SW	N	
107	xSeries: x235, x255 ¹¹ , x360 ¹¹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F ^{3, 6, 7, 9}	FC-AL, FC-SW	N	
108	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	
109	xSeries x360 ¹¹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8²	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	
110	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 17, 36} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic: QLA2200F-EMC ^{3, 4, 6, 7, 9} , QLA2310F-E-SP ^{3, 6, 7, 9, 14} , QLA2340-E-SP ^{3, 6, 7, 9, 14}	FC-AL, FC-SW	N	
111	xSeries x255	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 17} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic: QLA2200F-EMC ^{3, 4} , QLA2342-E-SP	FC-AL, FC-SW	N	
112	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37}	QLogic QLA2200F ^{3, 8, 27, 38, 39}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26}	
113	xSeries: x235, x255 ¹¹ , x360 ¹¹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37}	QLogic QLA2200F ^{3, 8, 27, 38, 39}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35}	
114	xSeries x255	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 8, 27, 40, 41}	FC-AL, FC-SW	Y ^{11, 19, 20, 21, 22, 23, 24, 25, 26}	
115	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 8, 27, 40, 41}	FC-AL, FC-SW	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
116	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 27, 39, 40} , QLA2310F-E-SP ^{3, 8, 27, 40, 41} , QLA2340-E-SP ^{3, 8, 40, 41} , QLA2342-E-SP ^{7, 8, 27, 38, 40, 41}	FC-AL, FC-SW	N	
117	xSeries: x255, x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 27, 39, 40} , QLA2342-E-SP ^{7, 8, 27, 38, 40, 41}	FC-AL, FC-SW	N	
118	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ²	IBM 19K1246(QLA2310) ^{8, 15, 27, 38, 41}	FC-AL, FC-SW	N	
119	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ²	IBM: 00N6881 (QLA2200) ^{3, 8, 27, 28, 38, 39, 47} , 19K1246(QLA2310) ^{8, 15, 27, 38, 41} , 24P0960(QLA2340) ^{3, 8, 27, 29, 38, 41}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
120	xSeries: x255, x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{27, 42, 43, 44, 45, 46}	FC-AL, FC-SW	Y	
121	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{27, 42, 43, 45, 46}	FC-AL, FC-SW	Y	
122	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{27, 38, 42, 43, 44, 46, 68, 69}	FC-AL, FC-SW	N	
123	xSeries: x255, x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{27, 38, 42, 43, 44, 46, 68, 69}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
124	eServer BladeCenter HS20 (Model 8678) ⁶⁰	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{66, 67}	FC-AL, FC-SW	Y	
125	eServer BladeCenter HS20 (Model 8832) ⁶⁰	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁶² , v2.4.9-e.25 ⁶² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁶² , v2.4.9-e.25 ⁶² , v2.4.9-e.27	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{66, 67}	FC-AL, FC-SW	Y	
126	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.34 ^{5, 17} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 4}	FC-AL, FC-SW	N	
127	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	IBM: 00N6881 (QLA2200) ^{6, 7, 9, 16, 28} , 19K1246(QLA2310) ^{6, 7, 9, 15, 16} , 24P0960(QLA2340) ^{6, 7, 9, 16, 29}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
128	xSeries x255 ¹¹	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F ^{3, 4, 5, 6, 7, 9}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35}	
129	xSeries x255	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	Y ^{11, 19, 20, 21, 22, 23, 24, 25, 26}	
130	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
131	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic: QLA2200F ^{3, 4, 5, 6, 31, 32} , QLA2200F ^{3, 6, 31, 32}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26}	
132	xSeries: x235, x360 ¹¹	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2200F ^{3, 4, 5, 6, 7, 9}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35}	
133	xSeries: x255, x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex: LP10000-E ^{38, 42, 43, 45, 48, 53, 54} , LP10000DC-E ^{3, 38, 42, 43, 45, 48, 53, 54} , LP1050-E ^{27, 38, 42, 43, 44, 45, 46, 70} , LP1050DC-E ^{27, 38, 42, 43, 44, 45, 46, 70}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 55}	
134	xSeries x235	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{38, 42, 43, 45, 48, 53, 54} , LP10000DC-E ^{3, 38, 42, 43, 45, 48, 53, 54} , LP1050-E ^{27, 38, 42, 43, 44, 45, 46, 70} , LP1050DC-E ^{27, 38, 42, 43, 44, 45, 46, 70}	FC-AL, FC-SW	N	
135	xSeries: x360, x440	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{38, 42, 43, 45, 48, 53, 54} , LP10000DC-E ^{3, 38, 42, 43, 45, 48, 53, 54} , LP1050-E ^{27, 38, 42, 43, 44, 45, 46, 70} , LP1050DC-E ^{27, 38, 42, 43, 44, 45, 46, 70}	FC-AL, FC-SW	N	See ⁵²

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
136	xSeries x235	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	IBM 19K1246(QLA2310) ^{8, 15, 27, 38, 40, 41}	FC-AL, FC-SW	N	
137	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	IBM: 00N6881 (QLA2200) ^{3, 8, 27, 28, 38, 39, 40, 47} , 19K1246(QLA2310) ^{8, 15, 27, 38, 40, 41} , 24P0960(QLA2340) ^{3, 7, 8, 27, 29, 38, 40, 41}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
138	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{3, 8, 27, 38, 39, 40}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26}	
139	xSeries: x235, x255 ¹¹ , x360 ¹¹	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{3, 8, 27, 38, 39, 40}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35}	
140	xSeries x235	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{64, 65}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35}	
141	xSeries x360 ¹¹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{64, 65}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26, 34, 35, 63}	
142	xSeries x255	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{64, 65} , QLogic QLA2200F	FC-AL, FC-SW	Y ^{11, 20, 21, 22, 23, 24, 25, 26, 34, 35}	
143	xSeries x235	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{64, 65} , QLogic QLA2342-E-SP ^{3, 6, 38}	FC-AL, FC-SW	N	
144	xSeries x360 ¹¹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{64, 65} , QLogic: QLA2200F-EMC ³ , QLA2310F-E-SP ³ , QLA2342-E-SP ^{3, 6, 38}	FC-AL, FC-SW	N	
145	xSeries: x235, x255, x360 ¹¹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	FC-AL, FC-SW	Y	
146	xSeries x360 ¹¹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	IBM 00N6881 (QLA2200) ^{6, 7, 9, 16, 28}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26, 34, 63}	
147	xSeries: x235, x255, x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{27, 38, 42, 43, 44, 45, 46}	FC-AL, FC-SW	Y	
148	xSeries: x255, x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{38, 42, 43, 45, 48, 53, 54} , LP10000DC-E ^{3, 38, 42, 43, 45, 48, 53, 54} , LP1050-E ^{27, 38, 42, 43, 44, 45, 46, 70} , LP1050DC-E ^{27, 38, 42, 43, 44, 45, 46, 70}	FC-AL, FC-SW	Y ^{21, 22, 23, 24, 25, 26}	
149	xSeries: x235, x360 ¹¹	PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 6, 7, 9}	FC-AL, FC-SW	N	
150	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.10 ^{1, 2, 4, 12}	QLogic QLA2200F-EMC ^{3, 5}	FC-AL, FC-SW	N	
151	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 5, 17}	IBM: 00N6881 (QLA2200) ^{6, 7, 9, 16, 28} , 19K1246(QLA2310) ^{6, 7, 9, 15, 16} , 24P0960(QLA2340) ^{6, 7, 9, 16, 29}	FC-AL, FC-SW	Y ^{18, 21, 22, 23, 24, 25, 26}	
152	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 5, 17}	QLogic QLA2200F ^{3, 4, 5, 6, 31, 32}	FC-AL, FC-SW	Y ^{18, 20, 21, 22, 23, 24, 25, 26}	
153	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 5, 17}	QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 26}	
154	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	N	
155	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 17} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2342-E-SP	FC-AL, FC-SW	N	
156	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	IBM: 00N6881 (QLA2200) ^{6, 7, 9, 16, 28} , 19K1246(QLA2310) ^{6, 7, 9, 15, 16} , 24P0960(QLA2340) ^{6, 7, 9, 16, 29} ; QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	N	
157	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F ^{3, 6, 31, 32}	FC-AL, FC-SW	N	
158	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 4, 5}	FC-AL, FC-SW	N	
159	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37}	QLogic QLA2200F ^{3, 8, 27, 38, 39}	FC-AL, FC-SW	Y ^{20, 21, 22, 23, 24, 25, 26}	
160	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 8, 27, 40, 41}	FC-AL, FC-SW	N	
161	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{3, 8, 27, 40, 41}	FC-AL, FC-SW	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
162	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{3, 27, 39, 40} , QLA2342-E-SP ^{7, 8, 27, 38, 40, 41}	FC-AL, FC-SW	N	
163	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ²	IBM: 00N6881 (QLA2200) ^{3, 8, 27, 28, 38, 39, 47} , 19K1246(QLA2310) ^{8, 15, 27, 38, 41} , 24P0960(QLA2340) ^{3, 8, 27, 29, 38, 41}	FC-AL, FC-SW	Y ^{21, 22} , 23, 24, 25, 26	
164	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{27, 42, 43, 44, 45, 46}	FC-AL, FC-SW	Y	
165	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802DC-E ^{27, 42, 43, 45, 46}	FC-AL, FC-SW	Y	
166	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{27, 38, 42, 43, 44, 46, 68, 69}	FC-AL, FC-SW	N	
167	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP982-E ^{27, 38, 42, 43, 44, 46, 68, 69}	FC-AL, FC-SW	Y ^{21, 22} , 23, 24, 25, 26	
168	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.3 ^{2, 5, 17} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2200F-EMC ^{3, 4}	FC-AL, FC-SW	N	
169	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	IBM: 00N6881 (QLA2200) ^{6, 7, 9, 16, 28} , 19K1246(QLA2310) ^{6, 7, 9, 15, 16} , 24P0960(QLA2340) ^{6, 7, 9, 16, 29}	FC-AL, FC-SW	Y ^{21, 22} , 23, 24, 25, 26	
170	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2200F ^{3, 4, 5, 6, 31, 32}	FC-AL, FC-SW	Y ^{20, 21} , 22, 23, 24, 25, 26	
171	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2310F-E-SP ^{3, 14}	FC-AL, FC-SW	Y ^{19, 20} , 21, 22, 23, 24, 25, 26	
172	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27	Emulex: LP10000-E ^{38, 42, 43, 45, 48, 53, 54} , LP10000DC-E ^{3, 38, 42, 43, 45, 48, 53, 54} , LP1050-E ²⁷ , 38, 42, 43, 44, 45, 46, 70, LP1050DC-E ^{27, 38, 42, 43, 44} , 45, 46, 70	FC-AL, FC-SW	Y ^{21, 22} , 23, 24, 25, 26, 55	
173	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{38, 42, 43, 45, 48, 53, 54} , LP10000DC-E ^{3, 38, 42, 43, 45, 48, 53, 54} , LP1050-E ²⁷ , 38, 42, 43, 44, 45, 46, 70, LP1050DC-E ^{27, 38, 42, 43, 44} , 45, 46, 70	FC-AL, FC-SW	N	
174	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{38, 42, 43, 45, 48, 53, 54} , LP10000DC-E ^{3, 38, 42, 43, 45, 48, 53, 54} , LP1050-E ²⁷ , 38, 42, 43, 44, 45, 46, 70, LP1050DC-E ^{27, 38, 42, 43, 44} , 45, 46, 70	FC-AL, FC-SW	N	See ⁵²
175	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	IBM: 00N6881 (QLA2200) ^{3, 8, 27, 28, 38, 39, 40, 47} , 19K1246(QLA2310) ^{8, 15, 27, 38, 40, 41} , 24P0960(QLA2340) ^{3, 7, 8, 27, 29, 38, 40, 41}	FC-AL, FC-SW	Y ^{21, 22} , 23, 24, 25, 26	
176	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{3, 8, 27, 38, 39, 40}	FC-AL, FC-SW	Y ^{20, 21} , 22, 23, 24, 25, 26	
177	xSeries x345	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9002DC-E ^{64, 65} , QLogic QLA2310F-E-SP ³	FC-AL, FC-SW	N	
178	xSeries x345	PCI, PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex LP9802-E	FC-AL, FC-SW	Y	
179	xSeries: x345, x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802DC-E ^{27, 38, 42, 43, 44, 45, 46}	FC-AL, FC-SW	Y	
180	xSeries x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{38, 42, 43, 45, 48, 53, 54} , LP10000DC-E ^{3, 38, 42, 43, 45, 48, 53, 54} , LP1050-E ²⁷ , 38, 42, 43, 44, 45, 46, 70, LP1050DC-E ^{27, 38, 42, 43, 44} , 45, 46, 70	FC-AL, FC-SW	Y ^{21, 22} , 23, 24, 25, 26	
181	xSeries x345	PCI, PCI-X	Red Hat Linux: 7.3 updated to v2.4.20-20.7 ² , 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F ^{3, 4, 5, 6, 7, 9}	FC-AL, FC-SW	N	
182	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 5, 17}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	Y ^{18, 19} , 20, 21, 22, 23, 24, 25, 26, 33	
183	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 5, 17}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	Y ^{18, 19} , 20, 21, 22, 23, 24, 25, 26	
184	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 5, 17}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	Y ^{18, 20} , 21, 22, 23, 24, 25, 26	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
185	Netfinity 8500R	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	N	
186	xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	N	
187	Netfinity 8500	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.16 ^{1, 2} , v2.4.9-E.3 ^{2, 5, 17} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1, 2} , v2.4.9-e.16 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	N	
188	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	N	
189	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	N	
190	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 8, 40, 41}	FC-AL, FC-SW ²	Y ^{19, 20, 21, 22, 23, 24, 25, 26, 33}	
191	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 8, 40, 41}	FC-AL, FC-SW ²	N	
192	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 8, 40, 41}	FC-AL, FC-SW ²	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
193	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 8, 40, 41}	FC-AL, FC-SW ²	Y ^{20, 21, 22, 23, 24, 25, 26}	
194	Netfinity 7000 M10 ¹⁰	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	Y ^{19, 20, 21, 22, 23, 24, 25, 26, 33}	
195	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7100, 7600; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
196	xSeries X335	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} , ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	Y ^{20, 21, 22, 23, 24, 25, 26}	
197	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁰ , 7100, 7600, 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x345, x350 (6000R), x370	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2340-E-SP ³	FC-AL, FC-SW ²	N	
198	xSeries x255	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 5, 17}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	Y ^{11, 18, 19, 20, 21, 22, 23, 24, 25, 26}	
199	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 5, 17}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 26}	
200	xSeries x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	N	
201	xSeries x360 ¹¹	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2} ; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²	N	
202	xSeries x255	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 8, 40, 41}	FC-AL, FC-SW ²	Y ^{11, 19, 20, 21, 22, 23, 24, 25, 26}	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
203	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 8, 40, 41}	FC-AL, FC-SW ²⁷	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
204	xSeries x255	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²⁷	Y ^{11, 19, 20, 21, 22, 23, 24, 25, 26}	
205	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²⁷	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
206	xSeries x360 ¹¹	PCI-X	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	QLogic QLA2340-E-SP ³	FC-AL, FC-SW ²⁷	N	
207	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 5, 17}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²⁷	Y ^{18, 19, 20, 21, 22, 23, 24, 25, 26}	
208	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 4, 12} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.9 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²⁷	N	
209	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ^{2, 37} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{3, 8, 40, 41}	FC-AL, FC-SW ²⁷	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
210	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1, 2} ES v2.4.9-e.12 ^{1, 2} , ES v2.4.9-e.16 ^{1, 2}	QLogic QLA2340-E-SP ^{3, 14}	FC-AL, FC-SW ²⁷	Y ^{19, 20, 21, 22, 23, 24, 25, 26}	
211	Netfinity 8500; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{27, 42, 43, 44, 45, 46}	FC-AL, FC-SW ³⁴	Y	
212	xSeries X335	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{27, 42, 43, 44, 45, 46}	FC-AL, FC-SW ³⁴	Y	
213	xSeries: x235, x255, x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{27, 42, 43, 44, 45, 46}	FC-AL, FC-SW ³⁴	Y	
214	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{27, 42, 43, 44, 45, 46}	FC-AL, FC-SW ³⁴	Y	
215	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002DC-E ^{27, 38, 42, 44, 45, 46, 50, 51}	FC-AL, FC-SW ^{34, 48}	Y ^{21, 22, 23, 24, 25, 26}	
216	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{27, 38, 42, 44, 45, 46, 50, 51}	FC-AL, FC-SW ^{34, 48}	N	
217	Netfinity 8500R; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9802-E ^{27, 42, 43, 44, 45, 46}	FC-AL, FC-SW ^{34, 48}	Y	
218	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{27, 38, 42, 44, 45, 46, 50, 51}	FC-AL, FC-SW ^{34, 48}	Y ^{20, 21, 22, 23, 24, 25, 26, 71}	
219	Netfinity: 8500, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x345, x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9802-E ^{27, 38, 42, 43, 44, 45, 46}	FC-AL, FC-SW ^{34, 48}	Y	
220	xSeries: x255, x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27	Emulex LP9002DC-E ^{27, 38, 42, 44, 45, 46, 50, 51}	FC-AL, FC-SW ^{34, 48}	Y ^{21, 22, 23, 24, 25, 26}	
221	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 37} , v2.4.9-e.25 ² , v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex LP9002DC-E ^{27, 38, 42, 44, 45, 46, 50, 51}	FC-AL, FC-SW ^{34, 48}	N	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
222	xSeries x255	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{27, 38, 42, 44, 45, 46, 50, 51}	FC-AL FC-SW ^{34, 48}	Y ^{11, 20, 21, 22, 23, 24, 25, 26, 71}	
223	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{27, 38, 42, 44, 45, 46, 50, 51}	FC-AL FC-SW ^{34, 48}	Y ^{20, 21, 22, 23, 24, 25, 26, 71}	
224	xSeries: x235, x255, x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{27, 38, 42, 43, 44, 45, 46}	FC-AL FC-SW ^{34, 48}	Y	
225	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002DC–E ^{27, 38, 42, 44, 45, 46, 50, 51}	FC-AL FC-SW ^{34, 48}	Y ^{21, 22, 23, 24, 25, 26}	
226	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{27, 38, 42, 44, 45, 46, 50, 51}	FC-AL FC-SW ^{34, 48}	N	
227	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9802–E ^{27, 42, 43, 44, 45, 46}	FC-AL FC-SW ^{34, 48}	Y	
228	xSeries x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002DC–E ^{27, 38, 42, 44, 45, 46, 50, 51}	FC-AL FC-SW ^{34, 48}	Y ^{20, 21, 22, 23, 24, 25, 26, 71}	
229	xSeries: x345, x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9802–E ^{27, 38, 42, 43, 44, 45, 46}	FC-AL FC-SW ^{34, 48}	Y	
230	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{27, 42, 43, 44, 45, 46, 49}	FC-AL FC-SW ⁴⁴	Y ^{21, 22, 23, 24, 25, 26}	
231	Netfinity 8500; xSeries x345	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{27, 42, 43, 45, 46, 49}	FC-AL FC-SW ⁴⁴	N	
232	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255 ¹¹ , x350 (6000R), x370	PCI	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{27, 42, 43, 44, 45, 46, 49}	FC-AL FC-SW ⁴⁴	Y ^{20, 21, 22, 23, 24, 25, 26, 71}	
233	xSeries: x255, x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{27, 42, 43, 44, 45, 46, 49}	FC-AL FC-SW ⁴⁴	Y ^{21, 22, 23, 24, 25, 26}	
234	xSeries x235	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{27, 42, 43, 45, 46, 49}	FC-AL FC-SW ⁴⁴	N	
235	xSeries x255	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{27, 42, 43, 44, 45, 46, 49}	FC-AL FC-SW ⁴⁴	Y ^{11, 20, 21, 22, 23, 24, 25, 26, 71}	
236	xSeries: x360 ¹¹ , x440 ^{12, 13}	PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{27, 42, 43, 44, 45, 46, 49}	FC-AL FC-SW ⁴⁴	Y ^{20, 21, 22, 23, 24, 25, 26, 71}	
237	xSeries x445	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27	Emulex LP9002–E (LP9002L–E) ^{27, 42, 43, 44, 45, 46, 49}	FC-AL FC-SW ⁴⁴	Y ^{21, 22, 23, 24, 25, 26}	
238	xSeries x345	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 37} , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{27, 42, 43, 45, 46, 49}	FC-AL FC-SW ⁴⁴	N	
239	xSeries x445	PCI, PCI-X	Red Hat Linux 8.0 updated to v2.4.20–20.8 ²	Emulex LP9002–E (LP9002L–E) ^{27, 42, 43, 44, 45, 46, 49}	FC-AL FC-SW ⁴⁴	Y ^{20, 21, 22, 23, 24, 25, 26, 71}	
240	eServer BladeCenter HS20 (Model 8678) ⁶⁰	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ² , v2.4.9–e.25 ² , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{56, 57, 58, 59, 61} , 02R9080 ^{58, 59}	FC-SW	Y	

IBM – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
241	eServer BladeCenter HS20 (Model 8832) ⁶⁰	PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ⁶² , v2.4.9-e.25 ⁶² , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ⁶² , v2.4.9-e.25 ⁶² , v2.4.9-e.27	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{56, 57, 58, 59, 61, 02R9080^{58, 59}}	FC-SW	Y	

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
 - EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
 - Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
 - Requires v6.0.5 or higher Navisphere host Agent/CLI.
 - Supported with QLogic driver v6.05.00.
 - Driver Version v6.x series. Supports persistent binding and only supports Class 3.
 - Driver Version v6.05.00.
 - QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
 - BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
 - This server only supports 5 Volt HBAs: qLogic 22XX family, qLogic 23XX family, Emulex LP8000, and Emulex LP850
 - PowerPath v3.02 not supported on this system.
 - This system is supported with Red Hat 2.1 Advanced Server v2.4.9-E.3 and updated with v2.4.9-E.9, E.10, and E.12 RPMs.
 - PowerPath v3.0.2 b069 is not supported on this system.
 - Requires BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
 - This HBA is equivalent to the qLogic QLA2310.
 - Driver Version v6.04.02.
 - Requires v6.2.1 or higher Navisphere host agent/CLI.
 - This kernel is limited to 110 devices, not 128.
 - Requires QLogic driver 4.47.18 driver disk, dd.img-i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
 - Only one HBA is qualified for use in the Linux host when booting from the CLARiiON via fabric.
 - Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
 - No MirrorView or SnapView used on boot LUNs.
 - EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
 - Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
 - Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
 - For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
 - FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
 - (QLA2200) For IBM xSeries and Netfinity servers only.
 - This HBA is equivalent to the qLogic QLA2340.
 - Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
 - For fabric boot support, install with driver provided by RedHat Installer and upgrade to the EMC-approved driver after installation.
 - Requires QLogic driver v6.05.00 and BIOS v1.83 for QLA2200F and BIOS v1.34 for QLA2310F, QLA2340-E-SP, and QLA2342-E-SP available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
 - This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
 - Requires QLogic driver 4.47.18 and BIOS 1.83.
 - Install with driver provided by RedHat Installer and upgrade to the EMC-approved driver after installation.
 - The kernel version listed is included in the corresponding standard distributed release.
 - This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
 - Single HBA zoning is required regardless of the switch being utilized.
 - Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
 - Driver Version v6.04.01.
 - Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
 - Driver Version 1.23a.
 - FCCode value 1.63a2.
 - Emulex driver and BIOS available from <http://www.emulex.com>.
 - QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
 - The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
 - This HBA is equivalent to the QLogic QLA2200.
 - FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
 - The LP9002-E now ships with the LP9002L-E low profile adapter.
 - Firmware Version 3.90a7.
 - FCCode value 1.63a.
 - Linux v2.4.x Kernels support a maximum of 128 devices per system.
 - Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
 - Firmware Version 1.80a2.
 - Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
 - Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.
 - Due to the HS20's embedded FC-SW design, EMC Access Logix is required to assign LUNS to each individual blade server.
 - When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"
- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
- EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
 - Driver Version 6.04.01.
 - EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
 - Install with driver provided by Red Hat 7.2 Installer and upgrade to the EMC-approved driver after installation.
 - Firmware Version v3.90a7.
 - Driver Version v1.22e.
 - Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)**
 - Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.**
 - QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
 - Firmware Version 1.02a0.
 - Firmware Version 1.80a3.
 - Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.**

NEC

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320Lb-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic QLA2200 ^{2, 14, 16, 17, 19, 20}	FC-AL, FC-SW	Y ^{4, 6, 7, 8, 9, 10, 11, 12, 21, 22}	

NEC - Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
2	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49,50} , 340Ha-R ^{49,50}	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1,2,3}	QLogic QLA2310F-E-SP ^{14,15}	FC-AL, FC-SW	Y ^{4,5,6,7,8,9,10,11,12}	
3	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49,50} , 340Ha-R ^{49,50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3,18} , v2.4.9-E.12 ^{3,18} , v2.4.9-E.9 ^{3,18}	QLogic QLA2200F ^{14,17,19,20}	FC-AL, FC-SW	N	
4	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49,50} , 340Ha-R ^{49,50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{3,18} , v2.4.9-E.3 ^{1,2,3} Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3,18} , v2.4.9-e.16 ^{3,18}	QLogic: QLA2200F-EMC ^{14,16} , QLA2342-E-SP	FC-AL, FC-SW	N	
5	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49,50} , 340Ha-R ^{49,50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3,23} , v2.4.9-e.25 ^{3,23} Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,23} , v2.4.9-e.25 ^{3,23}	QLogic QLA2200F ^{13,14,24,25,26}	FC-AL, FC-SW	Y ^{6,7,8,9,10,11,12,21,22}	
6	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49,50} , 340Ha-R ^{49,50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3,23} , v2.4.9-e.25 ^{3,23} , v2.4.9-e.27 Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,23} , v2.4.9-e.25 ^{3,23} , v2.4.9-e.27	QLogic QLA2310F-E-SP ^{13,14,26,32,33}	FC-AL, FC-SW	Y ^{5,6,7,8,9,10,11,12}	
7	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49,50} , 340Ha-R ^{49,50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3,23} , v2.4.9-e.25 ^{3,23} , v2.4.9-e.27 Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,23} , v2.4.9-e.25 ^{3,23} , v2.4.9-e.27	QLogic: QLA2200F-EMC ^{13,14,25,32} , QLA2342-E-SP ^{13,20,24,26,32,33}	FC-AL, FC-SW	N	
8	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49,50} , 340Ha-R ^{49,50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3,23} , v2.4.9-e.25 ³ , v2.4.9-e.27 Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,23} , v2.4.9-e.25 ³ , v2.4.9-e.27	Emulex LP9802DC-E ^{13,27,28,29,30,31}	FC-AL, FC-SW	Y	
9	Express 5800: 120Md, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Hb, 140Hd, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49,50} , 340Ha-R ^{49,50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3,23} , v2.4.9-e.25 ³ , v2.4.9-e.27 Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,23} , v2.4.9-e.25 ³ , v2.4.9-e.27	Emulex LP982-E ^{13,24,27,28,30,31,44,45}	FC-AL, FC-SW	Y ^{7,8,9,10,11,12}	
10	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3,23} , v2.4.9-e.25 ³ , v2.4.9-e.27 Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3,23} , v2.4.9-e.25 ³ , v2.4.9-e.27 Red Hat Linux 8.0 updated to v2.4.20-20.6 ³	Emulex LP982-E ^{13,24,27,28,30,31,44,45}	FC-AL, FC-SW	Y ^{7,8,9,10,11,12}	
11	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49,50} , 340Ha-R ^{49,50}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{3,18} ES v2.4.9-E.12 ^{3,18} ES v2.4.9-E.16 ^{3,18}	QLogic QLA2200F ^{2,14,16,17,19,20}	FC-AL, FC-SW	Y ^{6,7,8,9,10,11,12,21,22}	
12	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49,50} , 340Ha-R ^{49,50}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{3,18} ES v2.4.9-E.12 ^{3,18} ES v2.4.9-E.16 ^{3,18}	QLogic QLA2310F-E-SP ^{14,15}	FC-AL, FC-SW	Y ^{5,6,7,8,9,10,11,12}	
13	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49,50} , 340Ha-R ^{49,50}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.25 ³ ES v2.4.9-e.27	Emulex: LP10000-E ^{24,27,28,29,35,39,40} , LP10000DC-E ^{14,24,27,28,29,35,39,40} , LP1050-E ^{13,24,27,28,29,30,31,46} , LP1050DC-E ^{13,24,27,28,29,30,31,46}	FC-AL, FC-SW	Y ^{7,8,9,10,11,12,41}	
14	Express 5800: 120Md, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Hb, 140Hd, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49,50} , 340Ha-R ^{49,50}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.25 ³ ES v2.4.9-e.27	Emulex: LP10000-E ^{24,27,28,29,35,39,40} , LP10000DC-E ^{14,24,27,28,29,35,39,40} , LP1050-E ^{13,24,27,28,29,30,31,46} , LP1050DC-E ^{13,24,27,28,29,30,31,46}	FC-AL, FC-SW	N	See ³⁸

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
15	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ³ , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex: LP10000-E ^{24, 27, 28, 29, 35, 39, 40} , LP10000DC-E ^{14, 24, 27, 28, 29, 35, 39, 40} , LP1050-E ^{13, 24, 27, 28, 29, 30, 31, 46} , LP1050DC-E ^{13, 24, 27, 28, 29, 30, 31, 46}	FC-AL, FC-SW	N	See ³⁸
16	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	QLogic QLA2200F ^{13, 14, 24, 25, 26, 32}	FC-AL, FC-SW	Y ^{6, 7, 8, 9, 10, 11, 12, 21, 22}	
17	Express 5800: 120Rd-1, 120Rf-2, 140Hd, 140Rc-4, 180Rc-4	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ³	Emulex LP9002DC-E ^{42, 43}	FC-AL, FC-SW	Y ^{6, 7, 8, 9, 10, 11, 12, 21, 22}	
18	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ³	Emulex LP9002DC-E ^{42, 43} ; QLogic QLA2200F	FC-AL, FC-SW	Y ^{6, 7, 8, 9, 10, 11, 12, 21, 22}	
19	Express 5800: 120Ra-2, 120Rd-1, 120Rf-2, 140Ha, 140Hd, 140Ma, 140Rc-4, 180Ha, 180Rc-4	PCI	Red Hat Linux 7.3 updated to v2.4.20-20.7 ³	Emulex LP9802-E	FC-AL, FC-SW	Y	
20	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex LP9802DC-E ^{13, 24, 27, 28, 29, 30, 31}	FC-AL, FC-SW	Y	
21	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex: LP10000-E ^{24, 27, 28, 29, 35, 39, 40} , LP10000DC-E ^{14, 24, 27, 28, 29, 35, 39, 40} , LP1050-E ^{13, 24, 27, 28, 29, 30, 31, 46} , LP1050DC-E ^{13, 24, 27, 28, 29, 30, 31, 46}	FC-AL, FC-SW	Y ^{7, 8, 9, 10, 11, 12}	
22	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.31 ^{2, 3}	QLogic QLA2200F ^{2, 14, 16, 17, 19, 20}	FC-AL, FC-SW	Y ^{4, 6, 7, 8, 9, 10, 11, 12, 21, 22}	
23	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.31 ^{2, 3}	QLogic QLA2310F-E-SP ^{14, 15}	FC-AL, FC-SW	Y ^{4, 5, 6, 7, 8, 9, 10, 11, 12}	
24	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{3, 18} ; v2.4.9-E.12 ^{3, 18} ; v2.4.9-E.9 ^{3, 18}	QLogic QLA2200F ^{14, 17, 19, 20}	FC-AL, FC-SW	N	
25	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{3, 18} ; v2.4.9-E.31 ^{2, 3} ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{3, 18} ; v2.4.9-e.16 ^{3, 18}	QLogic: QLA2200F-EMC ^{14, 16} , QLA2342-E-SP	FC-AL, FC-SW	N	
26	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 23} ; v2.4.9-e.25 ^{3, 23} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 23} ; v2.4.9-e.25 ^{3, 23}	QLogic QLA2200F ^{13, 14, 24, 25, 26}	FC-AL, FC-SW	Y ^{6, 7, 8, 9, 10, 11, 12, 21, 22}	
27	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 23} ; v2.4.9-e.25 ^{3, 23} ; v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 23} ; v2.4.9-e.25 ^{3, 23} ; v2.4.9-e.27	QLogic QLA2310F-E-SP ^{13, 14, 26, 32, 33}	FC-AL, FC-SW	Y ^{5, 6, 7, 8, 9, 10, 11, 12}	
28	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 23} ; v2.4.9-e.25 ^{3, 23} ; v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 23} ; v2.4.9-e.25 ^{3, 23} ; v2.4.9-e.27	QLogic: QLA2200F-EMC ^{13, 14, 25, 32} , QLA2342-E-SP ^{13, 20, 24, 26, 32, 33}	FC-AL, FC-SW	N	
29	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 23} ; v2.4.9-e.25 ³ ; v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 23} ; v2.4.9-e.25 ³ ; v2.4.9-e.27	Emulex LP9802DC-E ^{13, 27, 28, 29, 30, 31}	FC-AL, FC-SW	Y	
30	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 23} ; v2.4.9-e.25 ³ ; v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 23} ; v2.4.9-e.25 ³ ; v2.4.9-e.27	Emulex LP982-E ^{13, 24, 27, 28, 30, 31, 44, 45}	FC-AL, FC-SW	Y ^{7, 8, 9, 10, 11, 12}	
31	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{3, 18} ES v2.4.9-e.12 ^{3, 18} ES v2.4.9-e.16 ^{3, 18} ES	QLogic QLA2200F ^{2, 14, 16, 17, 19, 20}	FC-AL, FC-SW	Y ^{6, 7, 8, 9, 10, 11, 12, 21, 22}	

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
32	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{3, 18} ES v2.4.9-e.12 ^{3, 18} ES v2.4.9-e.16 ^{3, 18}	QLogic QLA2310F-E-SP ^{14, 15}	FC-AL, FC-SW	Y ^{5, 6, 7, 8, 9, 10, 11, 12}	
33	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.25 ³ ES v2.4.9-e.27	Emulex: LP10000-E ^{24, 27, 28, 29, 35, 39, 40} , LP10000DC-E ^{14, 24, 27, 28, 29, 35, 39, 40} , LP1050-E ^{13, 24, 27, 28, 29, 30, 31, 46} , LP1050DC-E ^{13, 24, 27, 28, 29, 30, 31, 46}	FC-AL, FC-SW	N	See ³⁸
34	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.25 ³ ES v2.4.9-e.27	Emulex: LP10000-E ^{24, 27, 28, 29, 35, 39, 40} , LP10000DC-E ^{14, 24, 27, 28, 29, 35, 39, 40} , LP1050-E ^{13, 24, 27, 28, 29, 30, 31, 46} , LP1050DC-E ^{13, 24, 27, 28, 29, 30, 31, 46}	FC-AL, FC-SW	Y ^{7, 8, 9, 10, 11, 12, 41}	
35	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ES v2.4.9-e.27	QLogic QLA2200F ^{13, 14, 24, 25, 26, 32}	FC-AL, FC-SW	Y ^{6, 7, 8, 9, 10, 11, 12, 21, 22}	
36	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic QLA2340-E-SP ^{14, 15}	FC-AL, FC-SW ¹³	Y ^{4, 5, 6, 7, 8, 9, 10, 11, 12}	
37	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 23} , v2.4.9-e.25 ^{3, 23} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 23} , v2.4.9-e.25 ^{3, 23} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{14, 26, 32, 33}	FC-AL, FC-SW ¹³	Y ^{5, 6, 7, 8, 9, 10, 11, 12}	
38	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{3, 18} ES v2.4.9-e.12 ^{3, 18} ES v2.4.9-e.16 ^{3, 18}	QLogic QLA2340-E-SP ^{14, 15}	FC-AL, FC-SW ¹³	Y ^{5, 6, 7, 8, 9, 10, 11, 12}	
39	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{1, 2, 3}	QLogic QLA2340-E-SP ^{14, 15}	FC-AL, FC-SW ¹³	Y ^{4, 5, 6, 7, 8, 9, 10, 11, 12}	
40	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 23} , v2.4.9-e.25 ^{3, 23} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 23} , v2.4.9-e.25 ^{3, 23} , v2.4.9-e.27	QLogic QLA2340-E-SP ^{14, 26, 32, 33}	FC-AL, FC-SW ¹³	Y ^{5, 6, 7, 8, 9, 10, 11, 12}	
41	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{3, 18} ES v2.4.9-e.12 ^{3, 18} ES v2.4.9-e.16 ^{3, 18}	QLogic QLA2340-E-SP ^{14, 15}	FC-AL, FC-SW ¹³	Y ^{5, 6, 7, 8, 9, 10, 11, 12}	
42	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ³ , v2.4.9-e.25 ³ , v2.4.9-e.27 ⁹ ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ³ , v2.4.9-e.25 ³ , v2.4.9-e.27	Emulex LP9802-E ^{13, 27, 28, 29, 30, 31}	FC-AL, FC-SW ²⁴	Y	
43	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ³ , v2.4.9-e.25 ³ , v2.4.9-e.27 ⁹ ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ³ , v2.4.9-e.25 ³ , v2.4.9-e.27	Emulex LP9802-E ^{13, 27, 28, 29, 30, 31}	FC-AL, FC-SW ²⁴	Y	
44	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 23} , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 23} , v2.4.9-e.25 ³ , v2.4.9-e.27	Emulex LP9002DC-E ^{13, 24, 28, 29, 30, 31, 36, 37}	FC-AL, FC-SW ^{24, 35}	Y ^{7, 8, 9, 10, 11, 12}	
45	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex LP9002DC-E ^{13, 24, 28, 29, 30, 31, 36, 37}	FC-AL, FC-SW ^{24, 35}	Y ^{6, 7, 8, 9, 10, 11, 12, 47}	
46	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.8 ³	Emulex LP9802-E ^{13, 24, 27, 28, 29, 30, 31}	FC-AL, FC-SW ^{24, 35}	Y	
47	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 23} , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 23} , v2.4.9-e.25 ³ , v2.4.9-e.27	Emulex LP9002DC-E ^{13, 24, 28, 29, 30, 31, 36, 37}	FC-AL, FC-SW ^{24, 35}	Y ^{7, 8, 9, 10, 11, 12}	

NEC – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
48	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rb-7, 180Rc-4, 320La, 320La-R, 320Lb-R ⁴⁸ , 320Lb ⁴⁸ , 320Mc-R, 330Ma-R, 330Mb-R ^{49, 50} , 340Ha-R ^{49, 50}	PCI	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 23} , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 23} , v2.4.9-e.25 ³ , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ^{13, 27, 28, 29, 30, 31, 34}	FC-AL, FC-SW ³⁸	Y7, 8, 9, 10, 11, 12	
49	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	Red Hat Linux 8.0 updated to v2.4.20-20.6 ³	Emulex LP9002-E (LP9002L-E) ^{13, 27, 28, 29, 30, 31, 34}	FC-AL, FC-SW ³⁸	Y6, 7, 8, 9, 10, 11, 12, 47	
50	Express 5800 1320Xd	PCI, PCI-X	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{3, 23} , v2.4.9-e.25 ³ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{3, 23} , v2.4.9-e.25 ³ , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ^{13, 27, 28, 29, 30, 31, 34}	FC-AL, FC-SW ³⁸	Y7, 8, 9, 10, 11, 12	

- Requires v6.2.1 or higher Navisphere host agent/CLI.
- Supported with QLogic driver v6.05.00.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPO.
- This kernel is limited to 110 devices, not 128.
- Requires QLogic driver 4.47.18 driver disk, dd.img-i686.gz and BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Only one HBA is qualified for use in the Linux host when booting from the CLARiiON via fabric.
- Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
- Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
- Requires BIOS 1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65**
- Requires v6.0.5 or higher Navisphere host Agent/CLI.
- BIOS v1.83 for QLA22xx and BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- Driver Version v6.x series: Supports persistent binding and only supports Class 3.
- Driver Version v6.05.00.
- Requires QLogic driver 4.47.18 and BIOS 1.83.
- Install with driver provided by RedHat Installer and upgrade to the EMC-approved driver after installation.
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- Single HBA zoning is required regardless of the switch being utilized.
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- FCode value 1.63a2.
- Driver Version 1.23a.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- Driver Version v6.04.01.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
- FCode value 1.63a.
- Firmware Version 3.90a7.
- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- Firmware Version 1.80a2.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Driver Version v1.22e.
- Firmware Version v3.90a7.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- Firmware Version 1.02a0.
- Firmware Version 1.80a3.
- Requires Emulex BIOS 1.61a1 available from <http://www.emulex.com>.**
- Supports Stratus OS 2.0.X through 2.1.X.**
- Supports Stratus OS 1.3.X through 2.1.X.**
- Systems running Stratus OS 1.2.2.X or 1.3 require MS hotfix Q327477 and VxVM 2.7 Hotfix 5A. Stratus OS 1.3.1 and above incorporates these hotfixes.**

SUPERMICRO

SUPERMICRO – Red Hat Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Super: P3TDL ³⁶ , S2DL ³⁶	PCI	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.25 ² , ES v2.4.9-e.27; Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP10000-E ^{3, 4, 5, 7, 8, 9, 10} , LP10000DC-E ^{3, 4, 5, 7, 8, 9, 10, 11} , LP1050-E ^{4, 5, 7, 10, 12, 13, 14, 15} , LP1050DC-E ^{4, 5, 7, 10, 12, 13, 14, 15}	FC-AL, FC-SW	N	See ¹

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPO.
- Firmware Version 1.80a2.
- FCode value 1.63a2.
- Driver Version 1.23a.
- 64-bit slots for 3.3v HBAs only.
- Single HBA zoning is required regardless of the switch being utilized.
- FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
- Boot BIOS 1.63a2 supported for external boot. Available at <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.

12. Firmware Version 1.80a3.
13. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
14. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
15. Emulex driver and BIOS available from <http://www.emulex.com>.

Red Hat Linux IA64 Bull

Bull – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	NovaScale: 4020 (Itanium2), 4040 (Itanium2), 5080 (Itanium2), 5160 (Itanium2)	PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	Emulex LP9802-E ^{5, 6, 7, 8}	FC-AL, FC-SW	N
2	NovaScale: 4020 (Itanium2), 4040 (Itanium2), 5080 (Itanium2), 5160 (Itanium2)	PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	QLogic QLA2340-E-SP ^{1, 2, 3, 4}	FC-AL, FC-SW	Y

1. Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
2. BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
3. Firmware Version 1.34.
4. Driver Version v6.05.00.
5. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
6. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
7. Emulex driver and BIOS available from <http://www.emulex.com>.
8. Driver Version Emulex Open Source driver v1.22e.

Dell

Dell – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	PowerEdge 3250 (Itanium 2)	PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	Emulex: LP9002-E (LP9002L-E) ^{5, 6, 7, 8} , LP9002DC-E ^{5, 6, 7, 8, 9} , LP9802-E ^{5, 6, 7, 8} , LP9802DC-E ^{5, 6, 7, 10}	FC-AL, FC-SW	N
2	PowerEdge 3250 (Itanium 2)	PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	QLogic: QLA2310F-E-SP ^{1, 2, 3, 4} , QLA2340-E-SP ^{1, 2, 3, 4} , QLA2342-E-SP ^{1, 2, 3}	FC-AL, FC-SW	Y
3	PowerEdge 3250 (Itanium 2)	PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37 ¹¹	Emulex: LP10000-E ^{4, 5, 6, 7, 10, 12, 14} , LP10000DC-E ^{4, 5, 6, 7, 10, 12, 13, 14}	FC-AL, FC-SW	N

1. BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
2. Driver Version v6.05.00.
3. Firmware Version 1.34.
4. Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
5. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
6. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
7. Emulex driver and BIOS available from <http://www.emulex.com>.
8. Driver Version Emulex Open Source driver v1.22e.
9. Firmware Version 3.82a1.
10. Driver Version 1.22e.
11. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
12. Single HBA zoning is required regardless of the switch being utilized.
13. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
14. Firmware Version 1.80a2.

HPQ

HPQ – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Integrity: RX2600 (Itanium2), RX5670 (Itanium2)	PCI, PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	QLogic: QLA2340-E-SP ^{1, 2, 3, 4} , QLA2342-E-SP ^{1, 2, 3}	FC-AL, FC-SW	Y

1. BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
2. Firmware Version 1.34.
3. Driver Version v6.05.00.
4. Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.

IBM

IBM – Red Hat Linux IA64						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	xSeries x450	PCI, PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	Emulex: LP9002-E (LP9002L-E) ^{5, 6, 7, 8} , LP9002DC-E ^{5, 6, 7, 8, 9} , LP9802-E ^{5, 6, 7, 8} , LP9802DC-E ^{6, 7, 8, 10}	FC-AL, FC-SW	N
2	xSeries x450	PCI, PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37	QLogic: QLA2310F-E-SP ^{1, 2, 3, 4} , QLA2340-E-SP ^{1, 2, 3, 4} , QLA2342-E-SP ^{1, 2, 3}	FC-AL, FC-SW	Y
3	xSeries x450	PCI, PCI-X	Red Hat Linux IA64 2.1 AS updated to v2.4.18-e.37 ¹¹	Emulex: LP10000-E ^{4, 6, 7, 8, 10, 12, 14} , LP10000DC-E ^{4, 6, 7, 8, 10, 12, 13, 14}	FC-AL, FC-SW	N

1. BIOS v1.34 for QLA23xx available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
2. Driver Version v6.05.00.
3. Firmware Version 1.34.
4. Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
5. Driver Version Emulex Open Source driver v1.22e.
6. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
7. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
8. Emulex driver and BIOS available from <http://www.emulex.com>.
9. Firmware Version 3.82a1.
10. Driver Version 1.22e.
11. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
12. Single HBA zoning is required regardless of the switch being utilized.
13. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
14. Firmware Version 1.80a2.

SGI IRIX

SGI

SGI – SGI IRIX						
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot
1	Origin 2000	PCI, XIO	SGI IRIX 6.5.8 ^{6,7}	SGI PCI-FC-1P-OPT-A ¹	FC-AL	N
2	Origin 2000	PCI, XIO	SGI IRIX: 6.5.11, 6.5.12, 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18, 6.5.8 ^{6,7}	SGI: XT-FC-1P-COP-A ^{1,6} , XT-FC-1P-OPT-A ^{1,4,5}	FC-AL	N
3	Origin: 200, 300, 3000	PCI	SGI IRIX: 6.5.11, 6.5.12, 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI PCI-FC-1P-OPT-A ¹	FC-AL ² FC-SW ²	N
4	Origin: 300, 3000	PCI	SGI IRIX: 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI PCI-FC-1P-OPT-B ^{1,3}	FC-AL ² FC-SW ²	N
5	Origin 2000	PCI, XIO	SGI IRIX: 6.5.11, 6.5.12, 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI PCI-FC-1P-OPT-A ¹	FC-AL ² FC-SW ²	N

1. Uses native HBA driver and firmware.
2. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
3. PCI-FC-1P-OPT-B supports a data rate of 2 Gb/sec.
4. A MIA is required for FC5500.
5. CX600, CX400, and FC4700 do not require a MIA and are both FC-AL and FC-SW.
6. No support for CX600, CX400, and FC4700.
7. FC5500 and Origin 2000 only.

SuSE Linux Dell

Dell – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	PowerEdge 1650	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex LP982-E ^{4,11,12,13,14,15,16,17} , QLogic: QLA2310F-E-SP ^{4,5,7,10} , QLA2340-E-SP ^{4,5,7,10} , QLA2342-E-SP ^{4,5,6,7}	FC-AL, FC-SW	N	See ¹
2	PowerEdge 1650 ²⁷	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000-E ^{4,11,12,13,15,17,18,19} , LP10000DC-E ^{4,11,12,13,15,17,18,19} , LP1050-E ^{4,11,12,13,15,17,18,19} , LP1050DC-E ^{4,11,12,13,15,17,18,19} , LP9002-E (LP9002L-E) ^{4,11,12,13,15,17,18,28} , LP9002DC-E ^{4,11,12,13,15,17,18,28} , LP9802-E ^{4,11,12,13,15,16,17,18} , LP9802DC-E ^{4,11,12,13,15,16,17,18}	FC-AL, FC-SW	N	See ¹
3	PowerEdge: 1550 ²⁷ , 2300 ²⁷ , 2400, 2450 ²⁷ , 2500 ²⁷ , 2550 ^{9,27} , 4400 ²⁷ , 6100 ²⁷ , 6300 ²⁷ , 6350 ²⁷ , 6400 ²⁷ , 6450 ²⁷ , 8450 ²⁷	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000-E ^{4,11,12,13,15,17,18,19} , LP10000DC-E ^{4,11,12,13,15,17,18,19} , LP1050-E ^{4,11,12,13,15,17,18,19} , LP1050DC-E ^{4,11,12,13,15,17,18,19} , LP9002-E (LP9002L-E) ^{4,11,12,13,15,17,18,28} , LP9002DC-E ^{4,11,12,13,15,17,18,28} , LP9802-E ^{4,11,12,13,15,16,17,18} , LP9802DC-E ^{4,11,12,13,15,16,17,18}	FC-AL, FC-SW	Y ^{20,21} , 22, 23, 24, 25, 26	
4	PowerEdge: 2400, 4300	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000-E ^{4,11,12,13,15,17,18,19} , LP10000DC-E ^{4,11,12,13,15,17,18,19} , LP1050-E ^{4,11,12,13,15,17,18,19} , LP1050DC-E ^{4,11,12,13,15,17,18,19} , LP9002-E (LP9002L-E) ^{4,11,12,13,15,17,18,28} , LP9002DC-E ^{4,11,12,13,15,17,18,28} , LP9802-E ^{4,11,12,13,15,16,17,18} , LP9802DC-E ^{4,11,12,13,15,16,17,18} , LP982-E ^{4,11,12,13,14,15,16,17} ; QLogic: QLA2200F-EMC ^{5,7,8} , QLA2310F-E-SP ^{4,5,7,10} , QLA2340-E-SP ^{4,5,7,10}	FC-AL, FC-SW	N	
5	PowerVault: 750N, 755N, 775N	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000-E ^{4,11,12,13,15,17,18,19} , LP10000DC-E ^{4,11,12,13,15,17,18,19} , LP1050-E ^{4,11,12,13,15,17,18,19} , LP1050DC-E ^{4,11,12,13,15,17,18,19} , LP9002-E (LP9002L-E) ^{4,11,12,13,15,17,18,28} , LP9002DC-E ^{4,11,12,13,15,17,18,28} , LP9802-E ^{4,11,12,13,14,15,16,17} , LP982-E ^{4,11,12,13,14,15,16,17} ; QLogic: QLA2310F-E-SP ^{4,5,7,10} , QLA2340-E-SP ^{4,5,7,10}	FC-AL, FC-SW	N	See ¹
6	PowerEdge: 1550, 2300, 2450, 2500, 2550 ⁹ , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000-E ^{4,11,12,13,15,17,18,19} , LP10000DC-E ^{4,11,12,13,15,17,18,19} , LP1050-E ^{4,11,12,13,15,17,18,19} , LP1050DC-E ^{4,11,12,13,15,17,18,19} , LP9002-E (LP9002L-E) ^{4,11,12,13,15,17,18,28} , LP9002DC-E ^{4,11,12,13,15,17,18,28} , LP9802-E ^{4,11,12,13,14,15,16,17} ; QLogic: QLA2310F-E-SP ^{4,5,7,10} , QLA2340-E-SP ^{4,5,7,10} , QLA2342-E-SP ^{4,5,6,7}	FC-AL, FC-SW	N	See ¹
7	PowerEdge: 2300, 2450, 2500, 2550 ⁹ , 4400, 6100, 6300, 6350, 6400, 6450, 8450	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic QLA2200F-EMC ^{5,7,8}	FC-AL, FC-SW	N	
8	PowerEdge 4600	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex LP982-E ^{4,11,12,13,14,15,16,17} ; QLogic: QLA2310F-E-SP ^{4,5,7,10} , QLA2340-E-SP ^{4,5,7,10} , QLA2342-E-SP ^{4,5,6,7}	FC-AL, FC-SW	N	See ¹
9	PowerEdge 4600 ²⁷	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000-E ^{4,11,12,13,15,17,18,19} , LP10000DC-E ^{4,11,12,13,15,17,18,19} , LP1050-E ^{4,11,12,13,15,17,18,19} , LP1050DC-E ^{4,11,12,13,15,17,18,19} , LP9002-E (LP9002L-E) ^{4,11,12,13,15,17,18,28} , LP9002DC-E ^{4,11,12,13,15,17,18,28} , LP9802-E ^{4,11,12,13,15,16,17,18} , LP9802DC-E ^{4,11,12,13,15,16,17,18}	FC-AL, FC-SW	N	See ¹
10	PowerEdge: 2600 ²⁷ , 2650, 6600 ²⁷ , 6650	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000-E ^{4,11,12,13,15,17,18,19} , LP10000DC-E ^{4,11,12,13,15,17,18,19} , LP1050-E ^{4,11,12,13,15,17,18,19} , LP1050DC-E ^{4,11,12,13,15,17,18,19} , LP9002-E (LP9002L-E) ^{4,11,12,13,15,17,18,28} , LP9002DC-E ^{4,11,12,13,15,17,18,28} , LP9802-E ^{4,11,12,13,15,16,17,18} , LP9802DC-E ^{4,11,12,13,15,16,17,18}	FC-AL, FC-SW	Y ^{20,21} , 22, 23, 24, 25, 26	
11	PowerEdge: 1750, 2600, 2650, 6600, 6650	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000-E ^{4,11,12,13,15,17,18,19} , LP10000DC-E ^{4,11,12,13,15,17,18,19} , LP1050-E ^{4,11,12,13,15,17,18,19} , LP1050DC-E ^{4,11,12,13,15,17,18,19} , LP9002-E (LP9002L-E) ^{4,11,12,13,15,17,18,28} , LP9002DC-E ^{4,11,12,13,15,17,18,28} , LP9802-E ^{4,11,12,13,15,16,17,18} , LP9802DC-E ^{4,11,12,13,15,16,17,18} , LP982-E ^{4,11,12,13,14,15,16,17} ; QLogic: QLA2310F-E-SP ^{4,5,7,10} , QLA2340-E-SP ^{4,5,7,10} , QLA2342-E-SP ^{4,5,6,7}	FC-AL, FC-SW	N	See ¹
12	PowerEdge: 2600, 2650, 4600, 6600, 6650	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	QLogic QLA2200F-EMC ^{5,7,8}	FC-AL, FC-SW	N	

1. Linux v2.4.x Kernels support a maximum of 128 devices per system.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
3. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
4. Single HBA zoning is required regardless of the switch being utilized.
5. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
6. Requires BIOS 1.34 available from http://www.qlogic.com.
7. Driver Version 6.05.00.
8. Supports BIOS 1.83. Available at http://www.qlogic.com. Supports SNIA HBA API.

9. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
10. Requires BIOS 1.34 available from QLogic at <http://www.qlogic.com>.
11. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
12. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
13. Emulex driver and BIOS available from <http://www.emulex.com>.
14. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
15. Driver Version 1.23a.
16. Firmware Version 1.01a2.
17. FCode value 1.63a2.
18. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
19. Firmware Version 1.80a3.
20. Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
21. Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
22. No MirrorView or SnapView used on boot LUNs.
23. EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
24. Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
25. For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
26. An RPM from Dell may be used to install the QLogic v6.05.00 driver and may be obtained from the QLogic website at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
27. Firmware Version 3.90a7.

Fujitsu Siemens

Fujitsu Siemens – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Primergy: B210, C200, E200, F200, H200, H400, K400, L200, N200, N400, P200, P250, R450, RX100, T850	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{8, 9, 10, 11, 12, 13, 15, 17} , LP9002–E (LP9002L–E) ^{8, 9, 10, 11, 12, 13, 15, 16} , LP9002DC–E ^{8, 9, 10, 11, 12, 13, 15, 16} , LP9802–E ^{8, 9, 10, 11, 12, 13, 14, 15} , LP9802DC–E ^{8, 9, 10, 11, 12, 13, 14, 15}	FC-AL, FC-SW	N	See ¹
2	Primergy: F250 ⁵ , H250 ⁵ , H450, N800, RX200, RX300, TX200, TX300	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{8, 9, 10, 11, 12, 13, 15, 17} , LP9002–E (LP9002L–E) ^{8, 9, 10, 11, 12, 13, 15, 16} , LP9002DC–E ^{8, 9, 10, 11, 12, 13, 14, 15} , LP9802–E ^{8, 9, 10, 11, 12, 13, 14, 15} , LP9802DC–E ^{8, 9, 10, 11, 12, 13, 14, 15} QLogic QLA2200F–EMC ^{4, 6, 7}	FC-AL, FC-SW	N	See ¹
3	Primergy: RX600, RX800, TX600	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2,3}	Emulex: LP10000–E ^{8, 9, 10, 11, 12, 13, 15, 17} , LP9002–E (LP9002L–E) ^{8, 9, 10, 11, 12, 13, 15, 16} , LP9002DC–E ^{8, 9, 10, 11, 12, 13, 14, 15} , LP9802–E ^{8, 9, 10, 11, 12, 13, 14, 15} , LP9802DC–E ^{8, 9, 10, 11, 12, 13, 14, 15} QLogic QLA2200F–EMC ^{4, 6, 7}	FC-AL, FC-SW	N	See ¹

1. Linux v2.4.x Kernels support a maximum of 128 devices per system.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
3. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
4. Driver Version 6.05.00.
5. Must use standard PCI 32bit/33MHz slot for SCSI
6. Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
7. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
8. Single HBA zoning is required regardless of the switch being utilized.
9. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
10. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
11. Emulex driver and BIOS available from <http://www.emulex.com>.
12. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
13. FCode value 1.63a2.
14. Firmware Version 1.01a2.
15. Driver Version 1.23a.
16. Firmware Version 3.90a7.
17. Firmware Version 1.80a3.

HPQ

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netserver LC: 2000 U3, 2000R; Netserver: LP 2000R, LT 6000R; Proliant: 2500 ⁵ , 800, 8500, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350(G2) ⁵ , ML350(G3), ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹¹	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} , LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} , LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} , LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} , LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 31, 32} , LP9002DC–E ^{6, 16, 18, 19, 20, 21, 31, 32} , LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 31} , LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 31}	FC-AL, FC-SW	√23, 24, 25, 26, 27, 28, 29	

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
2	Proliant: ML350(G2) ⁵ , ML350(G3)	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 31, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 31, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 31} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 31} LP982–E ^{6, 16, 17, 18, 19, 20, 21, 22} QLogic: QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13}	FC–AL, FC–SW	N	See ¹
3	Netserver LC: 2000 U3, 2000r; Netserver: LP 2000r, LT 6000R; Proliant: 2500 ⁵ , 800, DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530(G2) ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹¹	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 31, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 31, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 31} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 31} LP982–E ^{6, 16, 17, 18, 19, 20, 21, 22} QLogic: QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13} QLA2342–E–SP ^{4, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
4	Netserver LXR: 8000, 8500; Proliant: 1600 ^{5, 12} , 1850 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5, 10} , 6000 ^{5, 10} , 6400R ⁵ , 6500 ^{5, 10} , 7000 ^{5, 10} , 8000 ^{5, 10} , 850 ⁵	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 31, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 31, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 31} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 31} QLogic: QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13} QLA2342–E–SP ^{4, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
5	Netserver LC: 2000 U3, 2000r; Netserver LH: (LH Pro), 3, 3000, 4, 6000, II; Netserver: LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{5, 12} , 1850 ⁵ , 2500 ⁵ , 3000 ⁵ , 5000 ⁵ , 5500 ^{5, 10} , 6000 ^{5, 10} , 6400R ⁵ , 6500 ^{5, 10} , 800, 8000 ^{5, 10} , 850 ⁵ , DL320 ⁵ , DL360(G2) ⁵ , DL360 ⁵ , DL380(G2) ⁵ , DL380(G3), DL380 ⁵ , DL580(G2) ⁵ , DL580 ⁵ , ML350 ⁵ , ML370(G2), ML370(G3), ML370 ⁵ , ML530 ⁵ , ML570 ⁵ , ML750 ¹¹	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic QLA2200F–EMC ^{4, 7, 9}	FC–AL, FC–SW	N	
6	Netserver LH III	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic: QLA2200F–EMC ^{4, 7, 9} QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13}	FC–AL, FC–SW	N	
7	Netserver LH: (LH Pro), 3, 3000, 4, 6000, II; Netserver: LX PRO, LXR PRO, LXR PRO8	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic: QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13} QLA2342–E–SP ^{4, 6, 7, 8}	FC–AL, FC–SW	N	See ¹

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
8	Proliant BL40p	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 31, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 31, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 31} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 31}	FC–AL, FC–SW	N	
9	Proliant: DL360(G3), DL560, DL740, DL760 (G2), DL760 ⁶ , ML570(G2)	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 31, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 31, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 31} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 31}	FC–AL, FC–SW	γ ^{23, 24, 25, 26, 27, 28, 29}	
10	Proliant: DL740, DL760 (G2), DL760 ⁶	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 31, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 31, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 31} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 31} LP982–E ^{6, 16, 17, 18, 19, 20, 21, 22} QLogic: QLA2200F–EMC ^{4, 7, 9} QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13}	FC–AL, FC–SW	N	
11	Proliant: DL560, ML570(G2)	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 31, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 31, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 31} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 31} LP982–E ^{6, 16, 17, 18, 19, 20, 21, 22} QLogic: QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13} QLA2342–E–SP ^{4, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
12	Proliant: DL560, ML570(G2)	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLogic QLA2200F–EMC ^{4, 7, 9}	FC–AL, FC–SW	N	
13	Proliant BL20p (G2)	PCI-X ¹⁴	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{3, 15}	Emulex: LP10000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP10000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 31, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 31, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 31} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 31} HPQ Dual-port mezzanine controller card ^{4, 13}	FC–AL, FC–SW	N	

HPQ – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
14	Proliant DL580(G3)	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP1000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 31, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 31, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 31} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 31}	FC–AL, FC–SW	Y ^{23, 24, 25, 26, 27, 28, 29}	
15	Proliant DL580(G3)	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Emulex: LP1000–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1000DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP1050DC–E ^{6, 16, 18, 19, 20, 21, 30, 31} LP9002–E (LP9002L–E) ^{6, 16, 18, 19, 20, 21, 31, 32} LP9002DC–E ^{6, 16, 18, 19, 20, 21, 31, 32} LP9802–E ^{6, 16, 17, 18, 19, 20, 21, 31} LP9802DC–E ^{6, 16, 17, 18, 19, 20, 21, 31} QLLogic: QLA2310F–E–SP ^{4, 6, 7, 13} QLA2340–E–SP ^{4, 6, 7, 13} QLA2342–E–SP ^{4, 6, 7, 8}	FC–AL, FC–SW	N	See ¹
16	Proliant DL580(G3)	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	QLLogic QLA2200F–EMC ^{4, 7, 9}	FC–AL, FC–SW	N	

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON–attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
- Driver Version 6.05.00.
- Compaq servers that are rack–mountable (designated by Compaq with an "R") are supported.
- Single HBA zoning is required regardless of the switch being utilized.
- QLLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS 1.34 available from http://www.qlogic.com.
- Supports BIOS 1.83. Available at http://www.qlogic.com. Supports SNIA HBA API.
- Includes both Pentium PRO and XEON models
- HPQ Proliant servers that are rack–mountable (designated with an "R") are supported.
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32–bit, this shielding prohibits 64–bit HBAs from properly seating in the PCI slots. To accommodate 64–bit HBAs, this shielding must be removed, or modified to allow the 64–bit HBA to fully seat in the 32–bit slots. Requires BIOS 1.34 available from QLogic at http://www.qlogic.com.
- Dual port PCI–X fibre channel mezzanine card option is embedded. No PCI/PCI–X slots available.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- FCode value 1.63a2.
- Firmware Version 1.01a2.
- Driver Version 1.23a.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from http://www.emulex.com.
- QLLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
- Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
- Access Logic required, direct connect or fabric, (no booting through switch inter–switch links)
- No MirrorView or SnapView used on boot LUNs.
- EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
- Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
- For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
- Firmware Version 1.80a3.
- QLLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
- Firmware Version 3.90a7.

IBM

IBM – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Netfinity 8500	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ² 3	Emulex: LP1000–E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1000DC–E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050–E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050DC–E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP9002–E (LP9002L–E) ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9002DC–E ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9802–E ^{5, 19, 20, 21, 23, 24, 25, 26} , LP9802DC–E ^{5, 19, 20, 21, 23, 24, 25, 26}	FC–AL, FC–SW	N	
2	Netfinity 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x232, x240, x250, x255 ³⁷ , x350 (6000R), x370	PCI	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ² 3	Emulex: LP1000–E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1000DC–E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050–E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050DC–E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP9002–E (LP9002L–E) ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9002DC–E ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9802–E ^{5, 19, 20, 21, 23, 24, 25, 26} , LP9802DC–E ^{5, 19, 20, 21, 23, 24, 25, 26}	FC–AL, FC–SW	Y ^{28, 29, 30, 31, 32, 33, 34}	

IBM - SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
3	Netfinity 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP10000DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP9002-E (LP9002L-E) ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9002DC-E ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9802-E ^{5, 19, 20, 21, 23, 24, 25, 26} , LP9802DC-E ^{5, 19, 20, 21, 23, 24, 25, 26} , LP982-E ^{5, 19, 20, 21, 22, 23, 24, 25} ; QLogic: QLA2310F-E-SP ^{4, 5, 6, 10} , QLA2340-E-SP ^{4, 5, 6, 10} , QLA2342-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	N	See ¹
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP10000DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP9002-E (LP9002L-E) ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9002DC-E ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9802-E ^{5, 19, 20, 21, 23, 24, 25, 26} , LP9802DC-E ^{5, 19, 20, 21, 23, 24, 25, 26} ; QLogic: QLA2310F-E-SP ^{4, 5, 6, 10} , QLA2340-E-SP ^{4, 5, 6, 10} , QLA2342-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	N	See ¹
5	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x232, x240, x250, x255, x345, x350 (6000R), x370	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	QLogic QLA2200F-EMC ^{4, 6, 8}	FC-AL, FC-SW	N	
6	xSeries x235	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP10000DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP9002-E (LP9002L-E) ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9002DC-E ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9802-E ^{5, 19, 20, 21, 23, 24, 25, 26} , LP9802DC-E ^{5, 19, 20, 21, 23, 24, 25, 26}	FC-AL, FC-SW	N	
7	xSeries: x255, x360 ³⁷ , x440 ^{35, 36}	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP10000DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP9002-E (LP9002L-E) ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9002DC-E ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9802-E ^{5, 19, 20, 21, 23, 24, 25, 26} , LP9802DC-E ^{5, 19, 20, 21, 23, 24, 25, 26}	FC-AL, FC-SW	Y ^{28, 29, 30, 31, 32, 33, 34}	
8	xSeries x440	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP10000DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP9002-E (LP9002L-E) ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9002DC-E ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9802-E ^{5, 19, 20, 21, 23, 24, 25, 26} , LP9802DC-E ^{5, 19, 20, 21, 23, 24, 25, 26} , LP982-E ^{5, 19, 20, 21, 22, 23, 24, 25} ; QLogic QLA2340-E-SP ^{4, 5, 6, 10}	FC-AL, FC-SW	N	See ¹
9	xSeries x360	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP10000DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP9002-E (LP9002L-E) ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9002DC-E ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9802-E ^{5, 19, 20, 21, 23, 24, 25, 26} , LP9802DC-E ^{5, 19, 20, 21, 23, 24, 25, 26} , LP982-E ^{5, 19, 20, 21, 22, 23, 24, 25} ; QLogic: QLA2310F-E-SP ^{4, 5, 6, 10} , QLA2340-E-SP ^{4, 5, 6, 10} , QLA2342-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	N	See ¹
10	xSeries x360	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	QLogic QLA2200F-EMC ^{4, 6, 8}	FC-AL, FC-SW	N	
11	xSeries x440	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	QLogic: QLA2200F-EMC ^{4, 6, 8} , QLA2310F-E-SP ^{4, 5, 6, 10}	FC-AL, FC-SW	N	
12	eServer BladeCenter HS20 (Model: 8678) ¹⁵ , 8832 ¹⁵	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{3,16}	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ^{17, 18}	FC-AL, FC-SW	Y	
13	xSeries x345	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP10000DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP9002-E (LP9002L-E) ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9002DC-E ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9802-E ^{5, 19, 20, 21, 23, 24, 25, 26} , LP9802DC-E ^{5, 19, 20, 21, 23, 24, 25, 26}	FC-AL, FC-SW	N	
14	xSeries x445	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP10000DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP9002-E (LP9002L-E) ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9002DC-E ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9802-E ^{5, 19, 20, 21, 23, 24, 25, 26} , LP9802DC-E ^{5, 19, 20, 21, 23, 24, 25, 26}	FC-AL, FC-SW	Y ^{28, 29, 30, 31, 32, 33, 34}	
15	xSeries x445	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP10000DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP1050DC-E ^{5, 19, 20, 21, 23, 25, 26, 27} , LP9002-E (LP9002L-E) ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9002DC-E ^{5, 19, 20, 21, 23, 25, 26, 38} , LP9802-E ^{5, 19, 20, 21, 23, 24, 25, 26} , LP9802DC-E ^{5, 19, 20, 21, 23, 24, 25, 26} , LP982-E ^{5, 19, 20, 21, 22, 23, 24, 25} ; QLogic QLA2340-E-SP ^{4, 5, 6, 10}	FC-AL, FC-SW	N	See ¹
16	xSeries x445	PCI, PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	QLogic: QLA2200F-EMC ^{4, 6, 8} , QLA2310F-E-SP ^{4, 5, 6, 10}	FC-AL, FC-SW	N	
17	eServer BladeCenter HS20 (Model: 8678) ¹⁵ , 8832 ¹⁵	PCI-X	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{3,16}	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module: 02R9080 ^{13, 14} , 02R9080 ^{4, 11, 12, 13, 14}	FC-SW	Y	

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from [ftp://ftp.emc.com/pub/elab/linux](http://ftp.emc.com/pub/elab/linux).
- Driver Version 6.05.00.
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
- Requires BIOS 1.34 available from <http://www.qlogic.com>.
- Supports BIOS 1.83. Available at <http://www.qlogic.com>. Supports SNIA HBA API.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- Requires BIOS 1.34 available from Qlogic at <http://www.qlogic.com>.
- Supports IBM BIOS 1.35. Available at <http://www.qlogic.com>.
- Due to the HS20's embedded FC-SW design, EMC Access Logix is required to assign LUNS to each individual blade server.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
 - EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
 - EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
 - Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)
 - Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
 - FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.

20. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
21. Emulex driver and BIOS available from <http://www.emulex.com>.
22. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
23. Driver Version 1.23a.
24. Firmware Version 1.01a2.
25. FCode value 1.63a2.
26. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
27. Firmware Version 1.80a3.
28. Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
29. Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
30. No MirrorView or SnapView used on boot LUNs.
31. EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
32. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
33. Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
34. For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
35. This system is supported with Red Hat 2.1 Advanced Server v2.4.9-E.3 and updated with v2.4.9-E.9, E.10, and E.12 RPMs.
36. PowerPath v3.0.2 b069 is not supported on this system.
37. PowerPath v3.02 not supported on this system.
38. Firmware Version 3.90a7.

NEC

NEC – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{4, 9, 10, 11, 13, 14, 23, 24} , LP10000DC-E ^{4, 9, 10, 11, 13, 14, 23, 24} , LP1050-E ^{4, 9, 10, 11, 13, 14, 23, 24} , LP1050DC-E ^{4, 9, 10, 11, 13, 14, 23, 24} , LP9002-E (LP9002L-E) ^{4, 9, 10, 11, 13, 14, 23, 25} , LP9002DC-E ^{4, 9, 10, 11, 13, 14, 23, 25} , LP9802-E ^{4, 9, 10, 11, 13, 14, 15, 23} , LP9802DC-E ^{4, 9, 10, 11, 13, 14, 15, 23}	FC-AL, FC-SW	Y ^{16, 17, 18, 19, 20, 21, 22}	
2	Express 5800: 120Ra-2, 140Ha, 140Ma, 180Ha	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{4, 9, 10, 11, 13, 14, 23, 24} , LP10000DC-E ^{4, 9, 10, 11, 13, 14, 23, 24} , LP1050-E ^{4, 9, 10, 11, 13, 14, 23, 24} , LP1050DC-E ^{4, 9, 10, 11, 13, 14, 23, 24} , LP9002-E (LP9002L-E) ^{4, 9, 10, 11, 13, 14, 23, 25} , LP9002DC-E ^{4, 9, 10, 11, 13, 14, 23, 25} , LP9802-E ^{4, 9, 10, 11, 13, 14, 15, 23} , LP9802DC-E ^{4, 9, 10, 11, 13, 14, 15, 23} , LP982-E ^{4, 9, 10, 11, 12, 13, 14, 15} , QLogic: QLA2310F-E-SP ^{4, 5, 7, 8} , QLA2340-E-SP ^{4, 5, 7, 8} , QLA2342-E-SP ^{4, 5, 6, 7}	FC-AL, FC-SW	N	See ¹

1. Linux v2.4.x Kernels support a maximum of 128 devices per system.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPK.
3. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
4. Single HBA zoning is required regardless of the switch being utilized.
5. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
6. Requires BIOS 1.34 available from <http://www.qlogic.com>.
7. Driver Version 6.05.00.
8. Requires BIOS 1.34 available from QLogic at <http://www.qlogic.com>.
9. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
10. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
11. Emulex driver and BIOS available from <http://www.emulex.com>.
12. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
13. Driver Version 1.23a.
14. FCode value 1.63a2.
15. Firmware Version 1.01a2.
16. Optical cables apply to CX600, CX400, CX200, FC4700, FC4500, FC5300 with MIA.
17. Access Logic required, direct connect or fabric, (no booting through switch inter-switch links)
18. No MirrorView or SnapView used on boot LUNs.
19. EMC recommends boot LUN be RAID1 or RAID5. Be sure to monitor the loading on the boot LUN RAID group. Excessive loading on the boot LUN RAID group may degrade boot LUN performance and stability.
20. Refer to the Customer Service website or your EMC Service Personnel for the latest documentation.
21. Previous versions of the HBA and boot installation guides contained restrictions for boot configurations. All boot configuration information is now listed here and supersedes any found in previous boot documentation.
22. For any CLARiiON SP port configured to a host for booting, the maximum number of logical volumes allowed on that port is 32.
23. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
24. Firmware Version 1.80a3.
25. Firmware Version 3.90a7.

SUPERMICRO

SUPERMICRO – SuSE Linux							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Super: P3TDL ³⁵ , S2DL ³⁵	PCI	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{2,3}	Emulex: LP10000-E ^{6, 9, 10, 11, 13, 15, 16, 17} , LP10000DC-E ^{6, 9, 10, 11, 13, 15, 16, 17} , LP1050-E ^{6, 9, 10, 11, 13, 15, 16, 17} , LP1050DC-E ^{6, 9, 10, 11, 13, 15, 16, 17} , LP9002-E (LP9002L-E) ^{6, 9, 10, 11, 13, 15, 17, 18} , LP9002DC-E ^{6, 9, 10, 11, 13, 15, 17, 18} , LP9802-E ^{6, 9, 10, 11, 13, 14, 15, 17} , LP9802DC-E ^{6, 9, 10, 11, 13, 14, 15, 17} , LP982-E ^{6, 9, 10, 11, 12, 13, 14, 15} , QLogic: QLA2310F-E-SP ^{4, 6, 7, 8} , QLA2340-E-SP ^{4, 6, 7, 8}	FC-AL, FC-SW	N	See ¹

1. Linux v2.4.x Kernels support a maximum of 128 devices per system.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPK.
3. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
4. Driver Version 6.05.00.
5. 64-bit slots for 3.3v HBAs only.
6. Single HBA zoning is required regardless of the switch being utilized.
7. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
8. Requires BIOS 1.34 available from QLogic at <http://www.qlogic.com>.
9. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
10. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
11. Emulex driver and BIOS available from <http://www.emulex.com>.
12. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
13. Driver Version 1.23a.
14. Firmware Version 1.01a2.
15. FCode value 1.63a2.
16. Firmware Version 1.80a3.
17. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
18. Firmware Version 3.90a7.

Sun Solaris
Sun

Sun – Sun Solaris							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
1	Sun Fire V440	PCI	Sun Solaris 8 07/03 ^{7, 8}	Emulex: LP10000-E ^{21, 38, 39} , LP10000DC-E ^{21, 38, 39}	FC-AL, FC-SW	Y	See ^{1, 2}
2	Sun Fire V440 ⁴⁴	PCI	Sun Solaris 8 07/03 ^{7, 8}	Sun: X6767A (SG-XPCI1FC-QF2) ^{40, 41, 42, 43} , X6768A (SG-XPCI2FC-QF2) ^{40, 41, 42, 43}	FC-AL, FC-SW	Y ^{4, 5, 6, 9, 19}	See ^{1, 2}
3	Sun Fire V250	PCI	Sun Solaris 9 08/03 ²²	Emulex: LP10000-E ^{21, 38, 39} , LP10000DC-E ^{21, 38, 39}	FC-AL, FC-SW	Y	See ^{1, 2}
4	Sun Fire V250	PCI	Sun Solaris 9 08/03 ²²	Sun: X6767A (SG-XPCI1FC-QF2) ^{40, 41, 42, 43} , X6768A (SG-XPCI2FC-QF2) ^{40, 41, 42, 43}	FC-AL, FC-SW	Y ^{4, 5, 6, 9, 19}	See ^{1, 2}
5	Sun Fire V250 ⁴⁴	PCI	Sun Solaris: 8 07/03 ^{7, 8} , 9 8/03	Emulex: LP10000-E ^{21, 38, 39} , LP10000DC-E ^{21, 38, 39}	FC-AL, FC-SW	Y	See ^{1, 2}
6	Sun Fire V250 ⁴⁴	PCI	Sun Solaris: 8 07/03 ^{7, 8} , 9 8/03	Sun: X6767A (SG-XPCI1FC-QF2) ^{40, 41, 42, 43} , X6768A (SG-XPCI2FC-QF2) ^{40, 41, 42, 43}	FC-AL, FC-SW	Y ^{4, 5, 6, 9, 19}	See ^{1, 2}
7	Netra: 1120, 1125, 120, 1280, 1400, 1405; Sun Blade: 1000, 150, 2000; Sun Fire: 280R, 4800, 4810, 6800, V100, V120, V1280, V210, V240, V480, V880; Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	Emulex: LP10000-E ^{11, 38, 39} , LP10000DC-E ^{11, 38, 39}	FC-AL, FC-SW	Y	See ^{1, 2}
8	Netra: 20, T1; Sun Fire: 12K, 15K	PCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	Emulex: LP10000-E ^{11, 38, 39} , LP10000DC-E ^{11, 38, 39} ; Sun: X6767A (SG-XPCI1FC-QF2) ^{40, 41, 42, 43} , X6768A (SG-XPCI2FC-QF2) ^{40, 41, 42, 43}	FC-AL, FC-SW	Y	See ^{1, 2}
9	Netra: 1120, 1125, 1400, 1405; Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	Sun: X6767A (SG-XPCI1FC-QF2) ^{40, 41, 42, 43} , X6768A (SG-XPCI2FC-QF2) ^{40, 41, 42, 43}	FC-AL, FC-SW	Y ¹⁹	See ^{1, 2}
10	Netra: 120, 1280; Sun Blade: 1000, 150, 2000; Sun Fire: V100, V1280, V210, V240	PCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	Sun: X6767A (SG-XPCI1FC-QF2) ^{40, 41, 42, 43} , X6768A (SG-XPCI2FC-QF2) ^{40, 41, 42, 43}	FC-AL, FC-SW	Y ^{4, 5, 6, 19}	See ^{1, 2}
11	Sun Fire: 280R, 4800, 4810, 6800, V120, V480, V880	PCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	Sun: X6767A (SG-XPCI1FC-QF2) ^{40, 41, 42, 43} , X6768A (SG-XPCI2FC-QF2) ^{40, 41, 42, 43}	FC-AL, FC-SW	Y ^{4, 5, 6, 9, 19}	See ^{1, 2}
12	Sun Fire: 3800 ^{9, 29} , 6800	cPCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	Emulex LP9002C-E ^{11, 12}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	Y ^{3, 10}	See ^{1, 2}
13	Sun Fire: 3800 ^{9, 29} , 6800	cPCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	QLogic QCP2202F-E-SP ^{10, 27, 28}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	Y ¹⁹	See ^{1, 2}
14	Sun Fire 4800	cPCI	Sun Solaris: 8 ^{7, 8} , 9 ^{8, 22}	Emulex LP9002C-E ^{10, 11, 12}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	Y ³	See ^{1, 2}
15	Sun Fire 4800	cPCI	Sun Solaris: 8 ^{7, 8} , 9 ^{8, 22}	QLogic QCP2202F-E-SP ^{10, 27, 28}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	Y	See ^{1, 2}
16	Netra: 1120, 1125, 1400, 1405; Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris 2.6 ^{8, 33}	Emulex: LP8000-EMC ^{10, 12, 20, 21} , LP9002-E (LP9002L-E) ^{9, 10, 11, 12, 34} ; QLogic: QLA2340-E-SP ^{17, 18} , QLA2342-E-SP ^{17, 18}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	N	See ^{1, 2}
17	Sun Fire V440 ⁴⁴	PCI	Sun Solaris 8 07/03 ^{7, 8}	Emulex LP8000-EMC ^{10, 12, 20, 21}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	Y ^{4, 5, 6, 9}	See ^{1, 2}
18	Sun Fire V440 ⁴⁴	PCI	Sun Solaris 8 07/03 ^{7, 8}	Emulex LP9002DC-E ^{9, 10, 12, 21}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	Y ^{3, 4, 5, 6}	See ^{1, 2}
19	Sun Fire V440	PCI	Sun Solaris 8 07/03 ^{7, 8}	Emulex: LP9002-E (LP9002L-E) ^{9, 10, 12, 21} , LP9802-E ^{9, 10, 21, 23}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	Y ^{3, 4, 5, 6}	See ^{1, 2}
20	Sun Fire V440 ⁴⁴	PCI	Sun Solaris 8 07/03 ^{7, 8}	QLogic: QLA2340-E-SP ^{17, 18} , QLA2342-E-SP ^{17, 18}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	Y ^{4, 5, 6, 9, 19}	See ^{1, 2}
21	Sun Fire V250	PCI	Sun Solaris 9 08/03 ²²	Emulex LP8000-EMC ^{10, 12, 20, 21}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	Y ^{4, 5, 6, 9}	See ^{1, 2}
22	Sun Fire V250	PCI	Sun Solaris 9 08/03 ²²	Emulex: LP9002-E (LP9002L-E) ^{9, 10, 12, 21} , LP9002DC-E ^{9, 10, 12, 21} , LP9802-E ^{9, 10, 21, 23}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	Y ^{3, 4, 5, 6}	See ^{1, 2}
23	Sun Fire V250	PCI	Sun Solaris 9 08/03 ²²	QLogic: QLA2340-E-SP ^{17, 18} , QLA2342-E-SP ^{17, 18}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	Y ^{4, 5, 6, 9, 19}	See ^{1, 2}
24	Netra T1	PCI	Sun Solaris: 2.6 ^{8, 33} , 7 ^{8, 25} , 8 ^{7, 8} , 9 ²²	Emulex LP9002-E (LP9002L-E) ^{9, 10, 11, 12, 34} ; QLogic: QLA2340-E-SP ^{17, 18} , QLA2342-E-SP ^{17, 18}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	N	See ^{1, 2}
25	Netra T1	PCI	Sun Solaris: 2.6 ^{8, 33} , 7 ^{8, 25} , 8 ^{7, 8} , 9 ^{8, 22}	Emulex LP8000-EMC ^{10, 12, 20, 21}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	N	See ^{1, 2}
26	Netra T1	PCI	Sun Solaris: 7 ^{8, 25} , 8 ^{7, 8} , 9 ²²	Emulex LP9802-E ^{9, 10, 11, 23}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	N	See ^{1, 2}
27	Netra: 1120, 1125, 1400, 1405; Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris: 7 ^{8, 25} , 8 ^{7, 8} , 9 ²²	Emulex: LP9002-E (LP9002L-E) ^{9, 10, 11, 12, 34} , LP9802-E ^{9, 10, 11, 23}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	Y ³	See ^{1, 2}
28	Netra: 1120, 1125, 1400, 1405; Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris: 7 ^{8, 25} , 8 ^{7, 8} , 9 ²²	QLogic: QLA2340-E-SP ^{17, 18} , QLA2342-E-SP ^{17, 18}	FC-AL ¹³ , FC-SW ^{14, 15, 16}	Y ¹⁹	See ^{1, 2}

Sun – Sun Solaris							
No.	Host System	Host Bus	Operating System	Host Bus Adapter	Adapter Type	External Boot	Comments
29	Netra: 1120, 1125, 1400, 1405; Ultra: 220R ²⁶ , 250, 30, 420R ²⁶ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris: 7 ⁸ , 25, 8 ⁷ , 8, 9 ⁸ , 22	Emulex LP8000-EMC ^{10, 12, 20, 21}	FC-AL ¹³ FC-SW ¹⁴ , 15, 16	Y	See ^{1, 2}
30	Sun Fire V250 ⁴⁴	PCI	Sun Solaris: 8 07/03 ^{7, 8} , 9 8/03	Emulex LP8000-EMC ^{10, 12, 20, 21}	FC-AL ¹³ FC-SW ¹⁴ , 15, 16	Y ^{4, 5, 6, 9}	See ^{1, 2}
31	Sun Fire V250 ⁴⁴	PCI	Sun Solaris: 8 07/03 ^{7, 8} , 9 8/03	Emulex: LP9002-E (LP9002L-E) ^{9, 10, 12, 21} , LP9002DC-E ^{9, 10, 12, 21} , LP9802-E ^{9, 10, 21, 23}	FC-AL ¹³ FC-SW ¹⁴ , 15, 16	Y ^{3, 4, 5, 6}	See ^{1, 2}
32	Sun Fire V250 ⁴⁴	PCI	Sun Solaris: 8 07/03 ^{7, 8} , 9 8/03	QLogic: QLA2340-E-SP ^{17, 18} , QLA2342-E-SP ^{17, 18}	FC-AL ¹³ FC-SW ¹⁴ , 15, 16	Y ^{4, 5, 6, 9, 19}	See ^{1, 2}
33	Netra: 120, 1280; Sun Blade: 1000, 150, 2000; Sun Fire: V100, V1280, V210, V240	PCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	Emulex LP8000-EMC ^{10, 12, 20, 21}	FC-AL ¹³ FC-SW ¹⁴ , 15, 16	Y ^{4, 5, 6}	See ^{1, 2}
34	Sun Fire 12K	PCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	Emulex LP8000-EMC ^{10, 12, 20, 21}	FC-AL ¹³ FC-SW ¹⁴ , 15, 16	Y	See ^{1, 2}
35	Sun Fire 15K	PCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	Emulex LP8000-EMC ^{10, 12, 20, 21}	FC-AL ¹³ FC-SW ¹⁴ , 15, 16	N	See ^{1, 2}
36	Sun Fire: 280R, 4800, 4810, 6800, V120, V480, V880	PCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	Emulex LP8000-EMC ^{10, 12, 20, 21}	FC-AL ¹³ FC-SW ¹⁴ , 15, 16	Y ^{4, 5, 6, 9}	See ^{1, 2}
37	Sun Fire: 12K ³⁷ , 15K ³⁷	PCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	Emulex LP9002DC-E ^{9, 10, 11, 12}	FC-AL ¹³ FC-SW ¹⁴ , 15, 16	Y ^{3, 4, 5, 6}	See ^{1, 2}
38	Netra 20	PCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	Emulex: LP8000-EMC ^{10, 12, 20, 21} LP9002-E (LP9002L-E) ^{9, 10, 11, 12} , LP9002DC-E ^{9, 10, 11, 12} , LP9802-E ^{9, 10, 11, 23} , QLogic: QLA2340-E-SP ^{17, 18} , QLA2342-E-SP ^{17, 18}	FC-AL ¹³ FC-SW ¹⁴ , 15, 16	N	See ^{1, 2}
39	Netra: 120, 1280; Sun Blade: 1000, 150, 2000; Sun Fire: 280R, 4800, 4810, 6800, V100, V120, V1280, V210, V240, V480, V880	PCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	Emulex: LP9002-E (LP9002L-E) ^{9, 10, 11, 12} , LP9002DC-E ^{9, 10, 11, 12} , LP9802-E ^{9, 10, 11, 23}	FC-AL ¹³ FC-SW ¹⁴ , 15, 16	Y ^{3, 4, 5, 6}	See ^{1, 2}
40	Netra: 120, 1280; Sun Blade: 1000, 150, 2000; Sun Fire: V100, V1280, V210, V240	PCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	QLogic: QLA2340-E-SP ^{17, 18} , QLA2342-E-SP ^{17, 18}	FC-AL ¹³ FC-SW ¹⁴ , 15, 16	Y ^{4, 5, 6, 19}	See ^{1, 2}
41	Sun Fire: 280R, 4800, 4810, 6800, V120, V480, V880	PCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	QLogic: QLA2340-E-SP ^{17, 18} , QLA2342-E-SP ^{17, 18}	FC-AL ¹³ FC-SW ¹⁴ , 15, 16	Y ^{4, 5, 6, 9, 19}	See ^{1, 2}
42	Ultra Enterprise: 10000 ³⁵ , 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500	SBUS	Sun Solaris: 2, 6 ⁸ , 33 ^{78, 32} , 8 ^{7, 8} , 9 ²²	Emulex LP9002S-E ^{9, 10, 11, 12, 31}	FC-AL ¹³ FC-SW ¹⁴ , 15, 16	Y ^{3, 30}	See ^{1, 2}
43	Ultra: 60, 80	PCI	Sun Solaris 7 ⁸ , 25	Emulex LP9002DC-E ¹¹	FC-AL ¹³ FC-SW ¹⁵ , 16	Y ³	See ^{1, 2}
44	Sun Fire 12K	PCI	Sun Solaris 8 ⁷ , 8	QLogic: QLA2340-E-SP ^{17, 18, 36} , QLA2342-E-SP ^{17, 18, 36}	FC-AL ¹³ FC-SW ¹⁵ , 16	Y	See ^{1, 2}
45	Sun Fire 15K	PCI	Sun Solaris 8 ⁷ , 8	QLogic: QLA2340-E-SP ^{17, 18, 36} , QLA2342-E-SP ^{17, 18, 36}	FC-AL ¹³ FC-SW ¹⁵ , 16	N	See ^{1, 2}
46	Sun Fire 12K	PCI	Sun Solaris 9 ²²	QLogic: QLA2340-E-SP ^{17, 18} , QLA2342-E-SP ^{17, 18}	FC-AL ¹³ FC-SW ¹⁵ , 16	Y	See ^{1, 2}
47	Sun Fire 15K	PCI	Sun Solaris 9 ²²	QLogic: QLA2340-E-SP ^{17, 18} , QLA2342-E-SP ^{17, 18}	FC-AL ¹³ FC-SW ¹⁵ , 16	N	See ^{1, 2}
48	Netra T1	PCI	Sun Solaris: 7 ⁸ , 25, 8 ^{7, 8} , 9 ²²	Emulex LP9002DC-E ¹¹	FC-AL ¹³ FC-SW ¹⁵ , 16	N	See ^{1, 2}
49	Netra: 1120, 1125, 1400, 1405; Ultra: 220R ²⁶ , 250, 420R ²⁶ , 450, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5000, Enterprise 5500, Enterprise 6000, Enterprise 6500	PCI	Sun Solaris: 7 ⁸ , 25, 8 ^{7, 8} , 9 ²²	Emulex LP9002DC-E ¹¹	FC-AL ¹³ FC-SW ¹⁵ , 16	Y ³	See ^{1, 2}
50	Ultra: 30, Enterprise 10000	PCI	Sun Solaris: 7 ⁸ , 25, 8 ^{7, 8} , 9 ⁸ , 22	Emulex LP9002DC-E ¹¹	FC-AL ¹³ FC-SW ¹⁵ , 16	Y ³	See ^{1, 2}
51	Sun Fire 12K	PCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	Emulex: LP9002-E (LP9002L-E) ^{9, 10, 11, 12, 24} , LP9802-E ^{9, 10, 11, 23}	FC-AL ¹³ FC-SW ¹⁵ , 16	Y	See ^{1, 2}
52	Sun Fire 15K	PCI	Sun Solaris: 8 ^{7, 8} , 9 ²²	Emulex: LP9002-E (LP9002L-E) ^{9, 10, 11, 12, 24} , LP9802-E ^{9, 10, 11, 23}	FC-AL ¹³ FC-SW ¹⁵ , 16	N	See ^{1, 2}
53	Ultra: 60, 80	PCI	Sun Solaris: 8 ^{7, 8} , 9 ⁸ , 22	Emulex LP9002DC-E ^{9, 10, 11, 12}	FC-AL ¹³ FC-SW ¹⁵ , 16	Y ³	See ^{1, 2}

- Sun "clone" hosts are not supported
- Veritas DMP coexistence with EMC CLARiiON failover packages:
VERITAS DMP can be enabled and coexist on the same host with ATF or PowerPath. VERITAS Volume Manager 3.5 is the currently recommended version.
VERITAS DMP, as part of Volume Manager 3.2, can be used to manage CLARiiON arrays without ATF or PowerPath by using CLR-ASL.
- Emulex LP8000-EMC/LP9002-E/LP9002L-E/LP9002DC-E/LP9802-E requires firmware code 1.40a0. Emulex LP9002S-E requires firmware code 2.40a0.
- Requires at least Rev 03 of LP8000-N1 HBA (part # 118031355-03)
- PCI Boot support is from 1 or 2 servers for FC-AL and from 1 to 4 servers for FC-SW.
- Note: Boot with DS-8B/DS-16B switches using 2.2.1a or 2.3 switch firmware requires HBA firmware v1.12a1 or higher.
- EMC required Sun patches for Solaris 8:
108528-26 SunOS 5.8: kernel update patch.
108974-36 SunOS 5.8: data, uata, dad, sd, and scsi patch.
109657-09 SunOS 5.8: isp driver patch (for X1062A and X1065A HBAs only).
109885-14 SunOS 5.8: glm driver patch (for X6541A HBA only).
- For new installations, core software minimum requirement with CX600
Array software – Access Logix 02.02.1.60.5.005
Array software – Non-Access Logix 02.02.0.60.5.005

- CX400
 Array software – Access Logix 02.02.1.40.5.006
 Array software Non-Access Logix 02.02.0.40.5.006
9. Support for CX600, CX400, FC4500, FC4700, and FC5300. (FC5300 requires copper to Fibre transceiver.)
 10. See the EMC price book for HBA vendor ordering information. This HBA is not sold by EMC.
 11. Driver Version 5.02c.
 12. Firmware Version 3.91a3.
 13. FC–AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
 14. FC–AL and FC–SW topologies can co-exist on the same server but not on the same HBA, provided that the different topologies are attached to different HBAs
 15. FC–AL and FC–SW can run concurrently on separate HBAs on the same Host.
 16. FC–SW applies only to CX600, CX400, FC4500 and FC4700
 17. Driver Version 4.13.
 18. FCode value 2.00.06.
 19. QCP2202F–E–SP/QLA234x–E–SP requires fcode v2.00.06. Fcode should be loaded on all HBA's at the time of installation.
 20. The LP8000–EMC HBA has a permanent GBIC, and does not have copper cable support.
 21. Driver Version 5.02b.
 22. **EMC required Sun patches for Solaris 9:**
 112233–08 Sun OS 5.9: kernel patch
 112834–03 Sun OS 5.9: patch SCSI
 113277–17 Sun OS 5.9: sd and ssd patch
 23. Firmware Version 1.01a2.
 24. The LP9002–E now ships with LP9002L–E low profile adapter. The older full form factor LP9002–E will not fit into the Sun Fire 12K or 15K.
 25. EMC required Sun patches for PCI at Solaris 7: 106541–27 SunOS 5.7: kernel update patch
 26. 64-bit HBAs will not fit into the 32-bit slot due to a physical obstruction.
 27. Driver Version 4.14.
 28. FCode value 2.00.06. QCP2202F–E–SP/QLA234x–E–SP requires fcode v2.00.06. Fcode should be loaded on all HBA's at the time of installation.
 29. If ATF is used, requires at least v3.3.0 ATF.
 30. Support for FC–AL or FC–SW.
 31. Mixing JNI and Emulex SBUS HBAs on the same host connected to the same storage system is not supported. If there is a business reason to do so, submit an RPQ.
 32. EMC required Sun patches for SBUS at Solaris 7: 106541–27 SunOS 5.7: kernel update patch
 33. EMC required Sun patches for Solaris 2.6:
 105181–35 SunOS 5.6: kernel update patch
 105356–23 SunOS 5.6: /kernel/drv/ssd and /kernel/drv/sd patch.
 105580–19 SunOS 5.6: /kernel/drv/glm patch (for X6541 HBA only).
 34. The Emulex LP9002L–F2 HBA requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can be either 3.3 VDC or 5.0 VDC signaling interface.
 35. Dynamic Reconfiguration is supported (Enterprise 10000 SBUS only); requires ATF v3.1.2 or higher.
 36. Supports DR on Sun 12K and 15K.
 37. **Use of the LP9002DC or QLA2342 requires FCO A0218–1 from Sun for HBA's to operate in 66mhz mode. Without this FCO the HBA's will only come up in 33mhz mode which could have an impact on performance.**
 38. Firmware Version 1.80a2.
 39. FCode value 1.40a0.
 40. Core software minimum requirement with CX600
 Array software – Access Logix 02.05.1.60.5.009
 Array software – Non-Access Logix 02.05.0.60.5.009
 CX400
 Array software – Access Logix 02.05.1.40.5.008
 Array software – Non-Access Logix 02.05.0.40.5.008
- Solaris 9:
 Requires PowerPath 4.0.3
 Support for Veritas Volume Manager VxVM 3.2 (Patch 04 required) and Solaris Volume Manager.
- Solaris 8:
 Requires PowerPath 4.0.3.
 Support for Veritas Volume Manager VxVM 3.2 with Patch 04 and SDS 4.2.1 with patch 108693–16 or later.
41. **Must add "ssd:ssd_max_throttle=20" in /etc/system for Clariion or Symmetrix attach. Must add "forcload drv/ssd" in the /etc/system when these HBA's are installed for Clariion or Symmetrix attach with PowerPath. Do not include the quotes on either entry. MpxIO is not currently supported with EMC storage**
 42. Driver Version SAN 4.2.
 43. Firmware Version 1.14.01.
 44. **Requires RPQ**

Clustered Host Egenera BladeFrame Egenera

Egenera – Egenera BladeFrame				
No.	Host System	Operating System	Cluster Software	Host Bus Adapter
1	BladeFrame cBlade–EP	Egenera BladeFrame 3.0	Oracle 9i RAC 9.2.0.3.0	QLLogic QLA2342–E–SP

HPQ HP–UX HPQ

HPQ – HPQ HP–UX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	HP 9000 N–Class (N4000)	HPQ HP–UX: 11.01 ^{1,2} , 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ: A5158A ^{8,9} , A6795A ^{10,11}	

HPQ – HPQ HP–UX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
2	HP 9000 N-Class (N4000) ¹⁵	HPQ HP–UX: 11.0 ^{1,2} , 11i v1.0 (HP–UX 11.11) ^{2,14}	HPQ MC/Service Guard: 11.09 ^{4,5,7} , 11.12 ^{3,4,7} , 11.13 ^{3,4,5,7}	HA: 8	HPQ: A3740A, A5158A ^{8,9} , A6795A ^{10,11}	
3	HP 9000 rp2405	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ²	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ A6795A ^{10,11}	
4	HP 9000 rp2405	HPQ HP–UX: 11.0 March 2002 ^{1,2} , 11i v1.0 (HP–UX 11.11) March 2002 ²	HPQ MC/Service Guard: 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ A6795A ^{10,11}	
5	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ: A5158A ^{6,8,9} , A6795A ^{10,11}	
6	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP–UX: 11.0 ^{1,2} , 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{4,5,7} , 11.12 ^{4,7} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7}	HA: 8	HPQ: A5158A ^{6,8,9} , A6795A ^{10,11}	
7	HP 9000 rp2450: (A500/440MHz), (A500/550MHz)	HPQ HP–UX: 11.0 ^{1,2} , 11i v1.0 (HP–UX 11.11) ²	Legato Automated Availability Manager (LAAM) 5.0 (Base) ⁷	HA: 8	HPQ A5158A ^{6,8,9}	
8	HP 9000 rp2450: (A500/440MHz), (A500/550MHz); HP 9000 rp5430 (L1500)	HPQ HP–UX: 11.0 ^{1,2} , 11i v1.0 (HP–UX 11.11) ²	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ A6795A ^{10,11}	
9	HP 9000 rp2450: (A500/440MHz), (A500/550MHz); HP 9000 rp5470 (L3000) ^{12,15}	HPQ HP–UX 11.0 ^{1,2}	HPQ MC/Service Guard: 11.09 ^{4,5,7} , 11.12 ^{4,7} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base) ⁷	HA: 8	HPQ A3740A ⁶	
10	HP 9000 rp2470	HPQ HP–UX: 11.0 March 2002 ^{1,2} , 11i v1.0 (HP–UX 11.11) March 2002 ²	HPQ MC/Service Guard: 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ: A5158A ^{8,9} , A6795A ^{10,11}	
11	HP 9000 rp5430 (L1500)	HPQ HP–UX 11.0 ^{1,2}	HPQ MC/Service Guard: 11.09 ^{4,5,7} , 11.12 ^{4,7} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ A5158A ^{8,9}	See ¹³
12	HP 9000 rp5430 (L1500)	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{4,5,7} , 11.12 ^{4,7} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ A5158A ^{8,9}	
13	HP 9000 rp5430 (L1500)	HPQ HP–UX 11i v1.0 (HP–UX: 11.11) Sept 2001 ^{2,11,11} ^{2,19}	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ: A5158A ²⁰ , A6795A ^{11,20}	
14	HP 9000 rp5430 (L1500)	HPQ HP–UX: 11.0 ^{1,2} , 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{4,5,7} , 11.12 ^{4,7} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7}	HA: 8	HPQ A6795A ^{10,11}	
15	HP 9000 rp5470 (L3000) ¹²	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ A6795A ^{10,11}	See ¹³
16	HP 9000 rp5470 (L3000) ¹²	HPQ HP–UX: 11.0 ^{1,2} , 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{4,5,7} , 11.12 ^{4,7} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7}	HA: 8	HPQ A6795A ^{10,11}	See ¹³
17	HP 9000 rp5470 (L3000) ^{12,15}	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ A5158A ^{6,8,9}	See ¹³
18	HP 9000 rp5470 (L3000) ^{12,15}	HPQ HP–UX: 11.0 ^{1,2} , 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{4,5,7} , 11.12 ^{4,7} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7}	HA: 8	HPQ A5158A ^{6,8,9}	See ¹³
19	HP 9000 rp7400	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{2,19}	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ A6795A ^{11,20}	See ¹³
20	HP 9000 rp7400	HPQ HP–UX 11i v1.0 (HP–UX: 11.11) Sept 2001 ^{2,11,11} ^{2,19}	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ A5158A ²⁰	See ¹³
21	HP 9000 rp7400 ^{22,24}	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Sept 2001 ²	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ A5158A ²⁰	
22	HP 9000 rp7400 ^{22,24}	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ A6795A ^{11,20}	
23	HP 9000 rp8400	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Sept 2001 ^{2,15}	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ: A5158A ^{8,9} , A6795A ^{10,11}	
24	HP 9000 rp8400	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Sept 2001 ^{2,15}	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ: A5158A ^{8,9} , A6795A ^{10,11}	See ¹³
25	HP 9000 rp8400	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Sept 2001 ^{2,15}	HPQ MC/Service Guard: 11.09 ^{4,5,7} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ: A5158A ^{8,9} , A6795A ^{10,11}	
26	HP 9000 rp8400	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Sept 2001 ^{2,15}	HPQ MC/Service Guard: 11.09 ^{4,5,7} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ: A5158A ^{8,9} , A6795A ^{10,11}	See ¹³
27	HP 9000 rp8400	HPQ HP–UX 11i v1.0 (HP–UX: 11.11) Sept 2001 ^{2,11,11} ^{2,19}	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ: A5158A ²⁰ , A6795A ^{11,20}	See ¹³
28	HP 9000 rp8400 ^{25,26}	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Sept 2001 ²	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ: A5158A ²⁰ , A6795A ^{11,20}	
29	HP 9000 SUPERDOME	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Feb 2001 CD ^{2,14}	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ: A5158A ^{8,9} , A6795A ^{10,11}	
30	HP 9000 SUPERDOME	HPQ HP–UX 11i v1.0 (HP–UX 11.11) Feb 2001 CD ^{2,14}	HPQ MC/Service Guard: 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} ; Legato Automated Availability Manager (LAAM) 5.0 (Base) ⁷	HA: 8	HPQ: A5158A ^{8,9} , A6795A ^{10,11}	
31	HP 9000 SUPERDOME	HPQ HP–UX 11i v1.0 (HP–UX: 11.11) Feb 2001 CD ^{2,11,11} ^{2,19}	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ: A5158A ²⁰ , A6795A ^{11,20}	
32	HP 9000: D270, D280, D290, D370, D380, D390	HPQ HP–UX 11.0 ^{1,2}	HPQ MC/Service Guard: 11.09 ^{4,5} , 11.12 ⁴ , 11.13 ^{3,4,5} , 11.14 ^{3,4,5}	HA: 8 ⁷	HPQ A3591B ⁶	
33	HP 9000: D270, D280, D290, D370, D380, D390, R380, R390	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{2,19}	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ A6684A ²⁰	
34	HP 9000: D270, D280, D370, D380, D390	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ A6684A ⁸	

HPQ – HPQ HP–UX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
35	HP 9000: D270, D280, D370, D380, D390	HPQ HP–UX: 11.0 ^{1,2} , 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{4,5,7} , 11.12 ^{4,7} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7}	HA: 8	HPQ A6684A ⁸	
36	HP 9000: K220, K250, K420, K450	HPQ HP–UX 11i v1.0 (HP–UX 11.11) June 2001 ²	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ A6685A ⁸	
37	HP 9000: K220, K250, K420, K450	HPQ HP–UX 11i v1.0 (HP–UX: 11.11) June 2001 ² , 11.11) ^{2,19}	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ A6685A ²⁰	
38	HP 9000: K220, K250, K420, K450	HPQ HP–UX: 11.0 June 2001 ² , 11i v1.0 (HP–UX 11.11) June 2001 ²	HPQ MC/Service Guard: 11.09 ^{4,5,7} , 11.12 ^{4,7} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7}	HA: 8	HPQ A6685A ⁸	
39	HP 9000: K260, K360, K370, K380, K460, K570, K580	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ A6685A ⁸	
40	HP 9000: K260, K360, K370, K380, K460, K570, K580	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{2,19}	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ A6685A ²⁰	
41	HP 9000: K260, K360, K370, K380, K460, K570, K580	HPQ HP–UX: 11.0 ^{1,2} , 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{4,5,7} , 11.13 ^{4,5,7} , 11.14 ^{4,5,7}	HA: 8	HPQ A6685A ⁸	
42	HP 9000: N–Class (N4000), rp2450 (A500/440MHz), rp2450 (A500/550MHz), rp8400	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{2,19}	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ: A5158A ²⁰ , A6795A ^{11,20}	
43	HP 9000: N–Class (N4000), rp5430 (L1500)	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ: A5158A ^{8,9} , A6795A ^{10,11}	
44	HP 9000: R380, R390	HPQ HP–UX 11.0 ^{1,2}	HPQ MC/Service Guard: 11.09 ^{4,5} , 11.12 ⁴	HA: 8 ⁷	HPQ: A3591B, A6684A	
45	HP 9000: R380, R390	HPQ HP–UX 11.0 ^{1,2}	HPQ MC/Service Guard: 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7}	HA: 8	HPQ: A3591B, A6684A	
46	HP 9000: R380, R390	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ A6684A ¹⁶	
47	HP 9000: R380, R390	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{4,5} , 11.12 ⁴ , 11.13 ^{3,4,5} , 11.14 ^{3,4,5}	HA: 8 ⁷	HPQ A6684A ¹⁶	
48	HP 9000: rp2405, rp2470	HPQ HP–UX 11i v1.0 (HP–UX: 11.11) March 2002 ² , 11.11) ^{2,19}	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ A6795A ^{11,20}	
49	HP 9000: rp2470, rp7405, rp7410	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ²	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ: A5158A ^{8,9} , A6795A ^{10,11}	
50	HP 9000: rp5400 (L1000), rp5405, rp5450 (L2000)	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ: A5158A ^{6,8,9} , A6795A ^{10,11}	See ¹³
51	HP 9000: rp5400 (L1000), rp5405, rp5450 (L2000)	HPQ HP–UX: 11.0 ^{1,2} , 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{4,5,7} , 11.12 ^{4,7} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7}	HA: 8	HPQ: A5158A ^{6,8,9} , A6795A ^{10,11}	See ¹³
52	HP 9000: rp5400 (L1000), rp5405, rp5450 (L2000), rp5470 (L3000) ¹²	HPQ HP–UX: 11.0 ^{1,2} , 11i v1.0 (HP–UX 11.11) ²	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ A6795A ^{10,11}	See ¹³
53	HP 9000: rp5400 (L1000), rp5405, rp5450 (L2000), rp5470 (L3000) ^{12,15}	HPQ HP–UX: 11.0 ^{1,2} , 11i v1.0 (HP–UX 11.11) ²	Legato Automated Availability Manager (LAAM) 5.0 (Base) ⁷	HA: 8	HPQ A5158A ^{6,8,9}	See ¹³
54	HP 9000: rp5400 (L1000), rp5450 (L2000)	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ A3740A ⁶	
55	HP 9000: rp5400 (L1000), rp5450 (L2000)	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{2,19}	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ: A5158A ²⁰ , A6795A ^{11,20}	See ¹³
56	HP 9000: rp5400 (L1000), rp5450 (L2000)	HPQ HP–UX: 11.0 ^{1,2} , 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{4,5,7} , 11.12 ^{4,7} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} Legato Automated Availability Manager (LAAM) 5.0 (Base) ⁷	HA: 8	HPQ A3740A ⁶	
57	HP 9000: rp5405 ²² , rp5470 (L3000) ^{12,22,23}	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{2,19}	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ A5158A ²⁰	See ¹³
58	HP 9000: rp5405 ²² , rp5470 (L3000) ^{12,22,23}	HPQ HP–UX 11i v1.0 (HP–UX: 11.11) Sept 2001 ² , 11.11) ^{2,19}	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ A6795A ^{11,20}	See ¹³
59	HP 9000: rp7405, rp7410	HPQ HP–UX 11i v1.0 (HP–UX 11.11) March 2002 ²	HPQ MC/Service Guard: 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7}	HA: 8	HPQ: A5158A ^{8,9} , A6795A ^{10,11}	
60	HP 9000: rp7405, rp7410	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	HPQ: A5158A, A6795A ¹¹	
61	HP 9000: rp7405, rp7410	HPQ HP–UX 11i v1.0 (HP–UX: 11.11) March 2002 ² , 11.11) ^{2,19}	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ: A5158A ²⁰ , A6795A ^{11,20}	
62	HP 9000: V2200, V2250, V2500, V2600	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ: A3740A ⁶ , A5158A ^{6,8,9}	
63	HP 9000: V2200, V2250, V2500, V2600	HPQ HP–UX: 11.0 ^{1,2} , 11i v1.0 (HP–UX 11.11) ²	HPQ MC/Service Guard: 11.09 ^{4,5,7} , 11.12 ^{4,7} , 11.13 ^{3,4,5,7} , 11.14 ^{3,4,5,7} Legato Automated Availability Manager (LAAM) 5.0 (Base) ⁷	HA: 8	HPQ: A3740A ⁶ , A5158A ^{6,8,9}	
64	HP 9000: V2200, V2250, V2500, V2600 ²¹ , rp2405, rp2470	HPQ HP–UX 11i v1.0 (HP–UX 11.11) ^{2,19}	Veritas Cluster Server (VCS) 3.5 ^{17,18}	HA: 8	HPQ A5158A ²⁰	
65	Integrity: RX2600 (Itanium2), RX4610, RX4640, RX5670 (Itanium2), RX7620, Superdome, rx8620	HPQ HP–UX 11i v2.0 (HP–UX 11.23) ²⁸	HPQ MC/Service Guard 11.15 ^{4,27}	HA: 16	HPQ A6795A ¹¹	

- See Technical Bulletin T010820 for supported patch levels.
- For HP–UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange –r N /dev/vg01/lvol1 or lvcreate –r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror–UX, then this flag should not be set.
- HP–UX 11.0: MC/SG 11.13 and 11.14 LVM only.
HP–UX 11i: MC/SG 11.13 and 11.14 can be used with LVM, VxVM 3.1 and VxVM 3.2. No DMP node failover supported at this time.
- Refer to MC/Service Guard Release Notes at www.docs.hp.com for patch requirements.
- Can mix HP–UX 11.00 and HP–UX 11i in same cluster, all nodes must be MC/SG 11.09, 11.13 or later.
- FC–AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- 2–node clusters require special configurations. See Support Note S010106A on Customer Service web site.
- Support for CX600, CX400, FC4500, FC4700, and FC5300. (FC5300 requires copper to Fibre transceiver.)
- HP A5158A is enabled in March 2000 HWCR Bundle XSWHW1100.48. Additional patches may be required for support.
- Supported with CX600, CX400, FC4500 and FC4700.
- As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add–on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)
L2000 (product number A5191A)
N4000 Revision A (product number A3639A)
N4000 Revision B (product number A3639B)

- PA–8700 processors: Initial support with HP–UX 11.0 Sept 2001, HP–UX 11i Sept 2001.
- 13.

- Switched fabric (FC-SW) first supported on FC4500, requires Core Software 6.32.05 or higher, Navisphere Agent 4.3 or higher, and Access Logix enabled (data access control enabled).
- 14. Patch PHSS_21996 or patches replaced or superseded by are required with HP-UX 11i.
- 15. rp5470, rp7400: (PA-8700 processors) : Initial support with HP-UX 11.0 Sept 2001, 11i Sept 2001 .
- 16. Supported with cx600, cx400,fc4500, fc4700
- 17. GAB disks (membership and service group heartbeat disks) are not supported.
- 18. Review the single attach table for supported PowerPath versions and volume manager restrictions.
- 19. Symm 6 is qualified with: HP-UX 11i Support Plus Sept '02 bundle = GOLDAPPS11i June '02, GOLDBASE11i June '02 & HWEnable11i Sept '02.
- 20. For driver versions refer to Base Connectivity Section
- 21. Minimum OS version is HP-UX 11.0 990P.
- 22. rp5405, rp5430, rp5470, rp7400: (PA-8700 processors): Initial support with HP-UX 11.0 Sept 2001, 11i Sept 2001. Symmetrix microcode supported: 5266.40.28 or higher. 5566.41.28 or higher. 5267.27.19 or higher. 5567.34.19 or higher.
- 23. Virtual Partitions (VPAR) is supported on the L-class/rp5470 server.
VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later.
Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 41.02 or later.
- 24. Virtual Partitions (VPAR) is supported on the N-class/rp7400 server with 4.x and 5.x Symmetrix models. VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later. Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later, server PDC firmware 42.06 or later.
- 25. rp8400 requires minimum PDC firmware 13.10 or higher.
- 26. VPAR supported only with HP-UX 11i v1.0 (HP-UX 11.11) Dec 2001 release or later.
Requirements: Minimum VPAR product release of A.02.01.00 or later, Partition Manager B.11.11.01.05 or later, Online Diagnostic revision B.11.11.07.23 or later.
- 27. **MC/ServiceGuard 11.15 is supported on HP-UX 11i v1.0 and HP-UX 11i v2.0 only**
- 28. **Minimum microcode revision level 5670.23.25. 5568 and 5669 are on a RPQ basis at this time.**

**HPQ Tru64 UNIX
HPQ**

HPQ – HPQ Tru64 UNIX				
No.	Host System	Operating System	Cluster Software	Host Bus Adapter
1	AlphaServer DS20L	HPQ Tru64 UNIX V5.1A	HPQ TruCluster V5.1A	HPQ KGPSA-CA (168794-B21)
2	AlphaServer DS20L	HPQ Tru64 UNIX V5.1B-1	HPQ TruCluster V5.1B-1	HPQ KGPSA-CA (168794-B21)
3	AlphaServer DS20L	HPQ Tru64 UNIX V5.1B ¹	HPQ TruCluster V5.1B	HPQ KGPSA-CA (168794-B21)
4	AlphaServer: 1200 ⁴ , 4000 ⁴ , 4100 ⁴ , 8200 ⁴ , 8400 ⁴ , DS10, DS10L, DS20, DS20E, ES40, GS140 ⁴ , GS60 ⁴	HPQ Tru64 UNIX V5.0A	HPQ TruCluster V5.0A	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)
5	AlphaServer: 1200 ⁴ , 4000 ⁴ , 4100 ⁴ , 8200 ⁴ , 8400 ⁴ , GS140 ⁴ , GS60 ⁴	HPQ Tru64 UNIX V5.1	HPQ TruCluster V5.1	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)
6	AlphaServer: 1200 ⁴ , 4000 ⁴ , 4100 ⁴ , 8200 ⁴ , 8400 ⁴ , GS140 ⁴ , GS60 ⁴	HPQ Tru64 UNIX V5.1A	HPQ TruCluster V5.1A	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)
7	AlphaServer: 1200⁴, 4000⁴, 4100⁴, 8200⁴, 8400⁴, GS140⁴, GS60⁴	HPQ Tru64 UNIX V5.1B-1	HPQ TruCluster V5.1B-1	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)
8	AlphaServer: 1200 ⁴ , 4000 ⁴ , 4100 ⁴ , 8200 ⁴ , 8400 ⁴ , GS140 ⁴ , GS60 ⁴	HPQ Tru64 UNIX V5.1B ¹	HPQ TruCluster V5.1B	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)
9	AlphaServer: DS10, DS10L, DS20, DS20E, ES40	HPQ Tru64 UNIX V5.1	HPQ TruCluster V5.1	HPQ: FCA2354 (LP9002)² , KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
10	AlphaServer: DS10, DS20E, ES40	HPQ Tru64 UNIX V5.1A	HPQ TruCluster V5.1A	HPQ: FCA2354 (LP9002)² , FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
11	AlphaServer: DS10, DS20E, ES40	HPQ Tru64 UNIX V5.1B-1	HPQ TruCluster V5.1B-1	HPQ: FCA2354 (LP9002)², FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
12	AlphaServer: DS10, DS20E, ES40	HPQ Tru64 UNIX V5.1B ¹	HPQ TruCluster V5.1B	HPQ: FCA2354 (LP9002)² , FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
13	AlphaServer: DS10L, DS20	HPQ Tru64 UNIX V5.1A	HPQ TruCluster V5.1A	HPQ: FCA2354 (LP9002)² , KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
14	AlphaServer: DS10L, DS20	HPQ Tru64 UNIX V5.1B-1	HPQ TruCluster V5.1B-1	HPQ: FCA2354 (LP9002)², KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
15	AlphaServer: DS10L, DS20	HPQ Tru64 UNIX V5.1B ¹	HPQ TruCluster V5.1B	HPQ: FCA2354 (LP9002)² , KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
16	AlphaServer: DS25 ⁵ , ES45 ⁶ , GS160, GS320, GS80	HPQ Tru64 UNIX V5.1A	HPQ TruCluster V5.1A	HPQ: FCA2354 (LP9002)² , FCA2384 (LP9802), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
17	AlphaServer: DS25⁵, ES45⁶, GS160, GS320, GS80	HPQ Tru64 UNIX V5.1B-1	HPQ TruCluster V5.1B-1	HPQ: FCA2354 (LP9002)², FCA2384 (LP9802), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
18	AlphaServer: DS25 ⁵ , ES45 ⁶ , GS160, GS320, GS80	HPQ Tru64 UNIX V5.1B ¹	HPQ TruCluster V5.1B	HPQ: FCA2354 (LP9002)² , FCA2384 (LP9802), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)
19	AlphaServer: ES47³, ES80³, GS1280³	HPQ Tru64 UNIX V5.1B-1	HPQ TruCluster V5.1B-1	HPQ: FCA2354 (LP9002)², FCA2384 (LP9802), KGPSA-DA (261329-B21)
20	AlphaServer: ES47 ³ , ES80 ³ , GS1280 ³	HPQ Tru64 UNIX V5.1B ¹	HPQ TruCluster V5.1B	HPQ: FCA2354 (LP9002)² , FCA2384 (LP9802), KGPSA-DA (261329-B21)
21	AlphaServer: GS160, GS320, GS80	HPQ Tru64 UNIX V5.1	HPQ TruCluster V5.1	HPQ: FCA2354 (LP9002)² , KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)

1. Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).
2. Identical to KGPSA-DA.

3. AlphaServer GS1280,ES80,ES47: Minimum Tru64 V5.1B with Patch Kit 1 (T64V51BB1AS0001-20021229)
4. KGPASA-BC/KGPASA-CA supported ONLY.
5. Tru64 UNIX V5.1A minimum requirement for DS25.
6. Tru64 UNIX V5.1A minimum requirement for ES45.

IBM AIX

IBM

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	670 7040-671 as an SP node; 7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 02 XX ¹ , 05 XX ⁹ , 06 50X ²¹ , 07 55X ²¹ , 08 T70 ²¹ ; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node; p690: 7040-61D as an SP node, 7040-61R as an SP node, 7040-681 as an SP node	IBM AIX 5.2	IBM PSSP 3.5 RVSD 3.5 ^{15, 28, 30}		IBM 6227	See ⁶
2	670 7040-671 as an SP node; 7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 02 XX ¹ , 05 XX ⁹ , 06 50X ²¹ , 07 55X ²¹ , 08 T70 ²¹	IBM AIX 5.2 ^{34, 46, 47}	IBM PSSP 3.5 RVSD 3.5 ^{15, 28, 30}		IBM 6228	See ⁶
3	7013-S70	IBM AIX 5.1	Legato Automated Availability Manager (LAAM) 5.0 (Base) ⁷	HA: 8	IBM 6227	See ⁶
4	7013-S70 as SP2 node; 7013-S7A as SP2 node; 7015-S70 as SP2 node; 7015-S7A as SP2 node; 7017-S70 as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ²¹ , 07 55X ²¹ , 08 T70 ²¹ ; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 5.1 ^{1, 17, 32, 33}	IBM PSSP 3.5 RVSD 3.5 and GPFS 2.1 ^{4, 15, 27, 28, 29, 30}		IBM 6227 ^{6, 31}	See ⁶
5	7013-S70 as SP2 node; 7015-S70 as SP2 node; 7017-S70 as SP2 node	IBM AIX 5.1 ^{3, 13, 18}	IBM HACMP/ES: 4.4.1 ^{4, 4.5} ; IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{4, 14, 15, 16}	HA: 32, OPS: 8, RAC: 8 ¹⁰	IBM 6227	See ⁶
6	7013-S70 as SP2 node; 7017-S70 as SP2 node	IBM AIX 4.3.3 ^{17, 18, 19}	IBM: HACMP/ES 4.4.1, PSSP 3.2 RVSD 3.2 and GPFS 1.3 ²⁰ , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{14, 15, 16}	HA: 8, OPS: 8, RAC: 8 ¹⁰	IBM 6227	See ⁶
7	7013-S70; 7015-S70; 7017-S70	IBM AIX 5.1 ^{1, 3, 12}	IBM HACMP: 4.4.1 ^{4, 4.5} ; IBM HACMP/ES: 4.4.1 ^{4, 4.5}	HA: 8, OPS: 8, RAC: 8 ¹⁰	IBM 6227	See ⁶
8	7013-S70; 7015-S70; 7017-S70	IBM AIX 5.1 ^{1, 3, 12}	Veritas Cluster Server (VCS) 2.0 ^{7, 8}	HA: 8	IBM 6227	See ⁶
9	7013-S70; 7015-S70; 7017-S70	IBM AIX 5.2 ³⁴	IBM: HACMP 4.5 ^{4, 12, 35} , HACMP/ES 4.5 ^{4, 12, 36}	HA: 8, OPS: 8, RAC: 8	IBM 6227	See ⁶
10	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 4.3.3 ^{17, 18, 19}	IBM HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM: 6227, 6228	See ⁶
11	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 5.1 ^{2, 3, 13}	IBM HACMP/ES: 4.4.1 ^{4, 4.5} ; IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{4, 14, 15, 16}	HA: 32, OPS: 8, RAC: 8 ¹⁰	IBM: 6227, 6228	See ⁶
12	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7017-S80 as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; SP2 9076 +: 06 50X ²¹ , 07 55X ²¹ , 08 T70 ²¹ ; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 5.1 ^{17, 24, 25, 26}	IBM PSSP 3.5 RVSD 3.5 and GPFS 2.1 ^{4, 15, 27, 28, 29, 30}		IBM 6228 ^{6, 31}	See ⁶
13	7013-S7A as SP2 node; 7015-S7A as SP2 node; 7017-S7A as SP2 node; 7026-H80 as SP2 node; 7026-M80 as SP2 node; p660: 7026-6H0 as SP2 node, 7026-6H1 as SP2 node, 7026-6M1 as SP2 node; p680 7017-S85 as SP2 node	IBM AIX 4.3.3 ^{17, 18, 19}	IBM PSSP: 3.2 RVSD 3.2 and GPFS 1.3 ²⁰ , 3.4 RVSD 3.4 and GPFS 1.5 ^{14, 15, 16}	HA: 8, OPS: 8	IBM: 6227, 6228	See ⁶
14	7013-S7A; 7015-S7A; 7017-S7A	IBM AIX 4.3.3 ^{2, 11, 17}	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM: 6227, 6228	See ⁶

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
15	7013-S7A; 7015-S7A; 7017-S7A	IBM AIX 5.1 ^{1, 2, 3}	IBM HACMP: 4.4.1 ⁴ , 4.5 ⁴ ; IBM HACMP/ES: 4.4.1 ⁴ , 4.5 ⁴	HA: 8, OPS: 8, RAC: 8 ¹⁰	IBM: 6227, 6228	See ⁶
16	7013-S7A; 7015-S7A; 7017-S7A; 7025-F50	IBM AIX 5.2 ³⁴	IBM: HACMP 4.5 ^{4, 12, 35} , HACMP/ES 4.5 ^{4, 12, 36}	HA: 8, OPS: 8, RAC: 8	IBM: 6227, 6228	See ⁶
17	7013-S7A; 7015-S7A; 7017-S80; 7044-170; 7044-270; p620: 7025-6F0, 7025-6F1; p660: 7026-6H0, 7026-6H1, 7026-6M1; p680 7017-S85	IBM AIX 5.1 ^{1, 2, 3}	Legato Automated Availability Manager (LAAM) 5.0 (Base) ⁷ ; Veritas Cluster Server (VCS) 2.0 ^{7, 8}	HA: 8	IBM: 6227, 6228	See ⁶
18	7015-S70 as SP2 node	IBM AIX 4.3.3 ^{17, 18, 19}	IBM: HACMP/ES 4.4.1, PSSP 3.2 RVSD 3.2 and GPFS 1.3 ²² , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{14, 15, 16}	HA: 8, OPS: 8	IBM 6227	See ⁶
19	7015-S70; 7017-S70	IBM AIX 5.1 ^{1, 3, 12}	Legato Automated Availability Manager (LAAM) 5.0 (Base) ⁷	HA: 8	IBM 6227	See ⁶
20	7017-S70	IBM AIX 4.3.3 ^{3, 11, 12}	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM 6227	See ⁶
21	7017-S80; 7025-F80; 7025-H70; 7026-H50; 7026-H70; 7026-H80; 7026-M80; p680 7017-S85	IBM AIX 5.2 ³⁴	IBM: HACMP 4.5 ^{4, 12, 35} , HACMP/ES 4.5 ^{4, 12, 36}	HA: 8, OPS: 8, RAC: 8	IBM: 6227 ⁵ , 6228 ⁵	See ⁶
22	7017-S80; 7044-170; 7044-270; p620: 7025-6F0, 7025-6F1; p660 7026-6H1; p680 7017-S85	IBM AIX 4.3.3 ^{2, 3, 11}	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM: 6227 ⁵ , 6228 ⁵	See ⁶
23	7017-S80; p680 7017-S85	IBM AIX 5.1 ^{1, 2, 3}	IBM HACMP: 4.4.1 ⁴ , 4.5 ⁴ ; IBM HACMP/ES: 4.4.1 ⁴ , 4.5 ⁴	HA: 8, OPS: 8, RAC: 8 ¹⁰	IBM: 6227 ⁵ , 6228 ⁵	See ⁶
24	7025-F50	IBM AIX 4.3.3 ^{12, 17, 19}	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM: 6227, 6228	See ⁶
25	7025-F50	IBM AIX 5.1 ^{1, 3, 12}	IBM HACMP: 4.4.1 ⁴ , 4.5 ⁴ ; IBM HACMP/ES: 4.4.1 ⁴ , 4.5 ⁴	HA: 8, OPS: 8, RAC: 8 ¹⁰	IBM: 6227, 6228	See ⁶
26	7025-F50; 7025-F80; 7025-H70; 7026-H50; 7026-H70; 7026-H80; 7026-M80; p640 7026-B80	IBM AIX 5.1 ^{1, 3, 12}	Legato Automated Availability Manager (LAAM) 5.0 (Base) ⁷ ; Veritas Cluster Server (VCS) 2.0 ^{7, 8}	HA: 8	IBM: 6227, 6228	See ⁶
27	7025-F80	IBM AIX 4.3.3 ^{3, 11, 18}	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM: 6227 ⁵ , 6228 ⁵	See ⁶
28	7025-F80; 7025-H70; 7026-H50; 7026-H70; 7026-H80; 7026-M80	IBM AIX 5.1 ^{1, 3, 12}	IBM HACMP: 4.4.1 ⁴ , 4.5 ⁴ ; IBM HACMP/ES: 4.4.1 ⁴ , 4.5 ⁴	HA: 8, OPS: 8, RAC: 8 ¹⁰	IBM: 6227 ⁵ , 6228 ⁵	See ⁶
29	7025-H70; 7026-H50; 7026-H70; 7026-H80; 7026-M80; p660: 7026-6H0, 7026-6M1	IBM AIX 4.3.3 ^{2, 11, 17}	IBM: HACMP 4.4.1, HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM: 6227 ⁵ , 6228 ⁵	See ⁶
30	7026-H80; 7026-M80; p630: 7028-6C4, 7028-6E4; p650 7038-6M2; p655 7039-651; p660: 7026-6H0, 7026-6H1, 7026-6M1; p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681, 7040-W42	IBM AIX 5.1 ^{1, 12, 17, 37}	IBM HACMP: 4.4.1 ⁴ , 4.5 ⁴ ; IBM HACMP/ES: 4.4.1 ⁴ , 4.5 ⁴		IBM 6228 ^{5, 6, 31, 41, 42, 43, 44, 45}	See ⁶
31	7026-H80; 7026-M80; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.1 ^{1, 12, 17, 37, 38}	IBM GPFS Cluster 2.1 ^{39, 40}		IBM 6227 ^{6, 31, 33, 41, 42, 43}	See ⁶
32	7026-H80; 7026-M80; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.1 ^{1, 12, 17, 37, 38}	IBM HACMP: 4.4.1 ⁴ , 4.5 ⁴ ; IBM HACMP/ES: 4.4.1 ⁴ , 4.5 ⁴		IBM 6227 ^{5, 6, 31, 33, 41, 42, 43}	See ⁶
33	7026-H80; 7026-M80; SP2 9076 +: 06 50X ²¹ , 07 55X ²¹ , 08 T70 ²¹ ; p630: 7028-6C4, 7028-6E4; p650 7038-6M2; p655 7039-651; p660: 7026-6H0, 7026-6H1, 7026-6M1; p670 7040-671; p690: 7040-61D, 7040-61R, 7040-681, 7040-W42	IBM AIX 5.1 ^{1, 12, 17, 37}	IBM GPFS Cluster 2.1 ^{39, 40}		IBM 6228 ^{6, 31, 41, 42, 43, 44, 45}	See ⁶
34	7044-170; 7044-270; p620: 7025-6F0, 7025-6F1; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.1 ^{1, 2, 3}	IBM HACMP: 4.4.1 ⁴ , 4.5 ⁴ ; IBM HACMP/ES: 4.4.1 ⁴ , 4.5 ⁴	HA: 8, OPS: 8, RAC: 8 ¹⁰	IBM: 6227 ⁵ , 6228 ⁵ , 6239 ^{5, 31}	See ⁶
35	7044-170; 7044-270; p620: 7025-6F0, 7025-6F1; p660: 7026-6H0, 7026-6H1, 7026-6M1	IBM AIX 5.2 ³⁴	IBM: HACMP 4.5 ^{4, 12, 35} , HACMP/ES 4.5 ^{4, 12, 36}	HA: 8, OPS: 8, RAC: 8	IBM: 6227 ⁵ , 6228 ⁵ , 6239 ^{5, 31}	See ⁶

IBM – IBM AIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
36	p610 7028–6C1; p630: 7028–6C4, 7028–6E4	IBM AIX 5.1 ^{1, 2, 3}	IBM HACMP: 4.4.1 ⁴ , 4.5 ⁴ ; IBM HACMP/ES: 4.4.1 ⁴ , 4.5 ⁴	HA: 8, OPS: 8	IBM: 6228 ⁵ , 6239 ^{5, 31}	See ⁶
37	p610 7028–6C1; p630: 7028–6C4, 7028–6E4	IBM AIX 5.2 ³⁴	IBM: HACMP 4.5 ^{4, 12, 35} , HACMP/ES 4.5 ^{4, 12, 36}	HA: 8, OPS: 8	IBM: 6228 ⁵ , 6239 ^{5, 31}	See ⁶
38	p610 7028–6E1	IBM AIX 5.1 ^{1, 2, 3}	IBM HACMP: 4.4.1 ⁴ , 4.5 ⁴ ; IBM HACMP/ES: 4.4.1 ⁴ , 4.5 ⁴	HA: 8, OPS: 8, RAC: 8 ¹⁰	IBM: 6228 ⁵ , 6239 ^{5, 31}	See ⁶
39	p610 7028–6E1; p650 7038–6M2; p655 7039–651; p670 7040–671 ⁹ ; p690: 7040–61D ⁹ , 7040–61R ⁹ , 7040–681 ⁹	IBM AIX 5.2 ³⁴	IBM: HACMP 4.5 ^{4, 12, 35} , HACMP/ES 4.5 ^{4, 12, 36}	HA: 8, OPS: 8, RAC: 8	IBM: 6228 ⁵ , 6239 ^{5, 31}	See ⁶
40	p610: 7028–6C1, 7028–6E1	IBM AIX 4.3.3 ^{2, 3, 11}	IBM: HACMP 4.5, HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM 6228 ⁵	See ⁶
41	p610: 7028–6C1, 7028–6E1; p630: 7028–6C4, 7028–6E4	IBM AIX 5.1 ^{1, 2, 3}	Legato Automated Availability Manager (LAAM) 5.0 (Base) ⁷ ; Veritas Cluster Server (VCS) 2.0 ^{7, 8}	HA: 8	IBM 6228	See ⁶
42	p615: 7029–6C3, 7029–6E3	IBM AIX: 5.1 ^{1, 2, 3} , 5.2 ^{34, 48, 49}	IBM HACMP: 4.4.1 ⁴ , 4.5 ^{4, 35} ; IBM HACMP/ES: 4.4.1 ⁴ , 4.5 ^{4, 36}	HA: 8, OPS: 8, RAC: 8 ¹⁰	IBM 6239 ³¹	See ⁶
43	p640 7026–B80	IBM AIX 4.3.3 ^{3, 11, 12}	IBM HACMP/ES 4.4.1	HA: 8, OPS: 8	IBM: 6227 ⁵ , 6228 ⁵	See ⁶
44	p640 7026–B80	IBM AIX 5.1 ^{1, 3, 12}	IBM HACMP: 4.4.1 ⁴ , 4.5 ⁴ ; IBM HACMP/ES: 4.4.1 ⁴ , 4.5 ⁴	HA: 8, OPS: 8	IBM: 6227 ⁵ , 6228 ⁵ , 6239 ^{5, 31}	See ⁶
45	p640 7026–B80	IBM AIX 5.2 ³⁴	IBM: HACMP 4.5 ^{4, 12, 35} , HACMP/ES 4.5 ^{4, 12, 36}	HA: 8, OPS: 8	IBM: 6227 ⁵ , 6228 ⁵ , 6239 ^{5, 31}	See ⁶
46	p650 7038–6M2; p655 7039–651	IBM AIX 5.1	Legato Automated Availability Manager (LAAM) 5.0 (Base) ⁷ ; Veritas Cluster Server (VCS) 2.0 ^{7, 8}	HA: 8	IBM 6228	See ⁶
47	p650 7038–6M2; p655 7039–651	IBM AIX 5.1 ^{2, 17, 23}	IBM HACMP: 4.4.1 ⁴ , 4.5 ⁴ ; IBM HACMP/ES: 4.4.1 ⁴ , 4.5 ⁴	HA: 8, OPS: 8, RAC: 8 ¹⁰	IBM: 6228 ⁵ , 6239 ^{5, 31}	See ⁶
48	p660: 7026–6H0 as SP2 node, 7026–6H1 as SP2 node, 7026–6M1 as SP2 node; p680 7017–S85 as SP2 node; p690: 7040–61D as an SP node, 7040–61R as an SP node, 7040–681 as an SP node	IBM AIX 5.2 ^{34, 46, 47}	IBM PSSP 3.5 RVSD 3.5 ^{15, 28, 30}		IBM 6228	
49	p670 7040–671 ⁹ ; p690: 7040–61D ⁹ , 7040–61R ⁹ , 7040–681 ⁹	IBM AIX 5.1 ^{1, 2}	IBM HACMP: 4.4.1 ⁴ , 4.5 ⁴ ; IBM HACMP/ES: 4.4.1 ⁴ , 4.5 ⁴	HA: 8, OPS: 8, RAC: 8 ¹⁰	IBM: 6228 ⁵ , 6239 ^{5, 31}	See ⁶
50	p670 7040–671 ⁹ ; p690: 7040–61D ⁹ , 7040–61R ⁹ , 7040–681 ⁹	IBM AIX 5.1 ^{1, 2}	Legato Automated Availability Manager (LAAM) 5.0 (Base) ⁷ ; Veritas Cluster Server (VCS) 2.0 ^{7, 8}	HA: 8	IBM 6228	See ⁶
51	SP2 9076 +: 02 XX1 ²¹ , 05 XX9 ²¹	IBM AIX 5.1 ^{1, 12, 17, 37}	IBM: GPFS Cluster 2.1 ^{39, 40} , HACMP 4.4.1 ⁴ , HACMP 4.5 ⁴ , HACMP/ES 4.4.1 ⁴ , HACMP/ES 4.5 ⁴		IBM 6228 ^{6, 31, 41, 42, 43, 44, 45}	
52	SP2 9076 +: 06 50X ²¹ , 07 55X ²¹ , 08 T70 ²¹	IBM AIX 5.1 ^{1, 12, 17, 37}	IBM HACMP: 4.4.1 ⁴ , 4.5 ⁴ ; IBM HACMP/ES: 4.4.1 ⁴ , 4.5 ⁴		IBM 6228 ^{6, 31, 41, 42, 43, 44, 45}	See ⁶
53	SP2 9076 +: 06 50X ^{10, 21} , 07 55X ^{10, 21} , 08 T70 ^{10, 21}	IBM AIX 4.3.3 ^{2, 3, 11}	IBM: HACMP/ES 4.4.1, PSSP 3.2 RVSD 3.2 and GPFS 1.3 ²² , PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{14, 15, 16}	HA: 8, OPS: 8	IBM: 6227, 6228	See ⁶
54	SP2 9076 +: 06 50X ^{10, 21} , 07 55X ^{10, 21} , 08 T70 ^{10, 21}	IBM AIX 5.1 ^{3, 13, 18}	IBM HACMP/ES: 4.4.1 ⁴ , 4.5 ⁴ ; IBM PSSP 3.4 RVSD 3.4 and GPFS 1.5 ^{4, 14, 15, 16}	HA: 32, OPS: 8, RAC: 8 ¹⁰	IBM: 6227, 6228	See ⁶

- AIX 5.1–32/64 bit kernel supported. Requires CLArrayS3.5.1 fileset support.
- Minimum PowerPath 3.0.2 is supported.
- Includes support for the FC4700, FC4700–2, CX600, CX400.
- For installation with Powerpath Versions 3.0.3 and 3.0.4 see Primus ID EMC69100 which contains additional requirements for support.
- This configuration for HACMP when used in conjunction with Fibre Channel boot requires RPQ approval.
- FC–SW and FC–AL are supported on the same server.
- PowerPath is supported with LVM and JFS
- GAB disks (membership and service group heartbeat disks) are not supported.
- Supported in SMP and LPAR modes.
- For IBM AIX 4.3.3: requires Oracle RAC9i (9.0.1), HACMP/ES 4.4.x. PowerPath 3.0.2 or greater is supported. A SAN implementation with ISLs will observe significant delay in failover times if link failures non–contiguous to host HBA occur.
- For IBM AIX 5.1: requires Oracle RAC9i (9.2), HACMP/ES 4.4.x. PowerPath 3.0.2 or greater is supported. A SAN implementation with ISLs will observe significant delay in failover times if link failures non–contiguous to host HBA occur.
- Minimum CLArrayS3.4.3.0.x fileset is supported. Supports FC4700, FC4700–2, with minimum Flare code 8.46.xx.
- Minimum Powerpath version 3.0.2 is supported.
- AIX 5.1 supported with 32–bit kernel. Requires minimum EMC ODM fileset support 5.0.0.0.
- Requires minimum AIX 4.3.3 with APAR IY22024, Requires PSSP 3.4 with APAR IY32625
- Refer to Primus case #1.0.128870403.2749464 for configuration instructions.
- Requires minimum PSSP 3.4 APAR IY33448.
- Includes support for FC4700, FC4700–2, CX600, CX400.
- Minimum Powerpath version 3.0.2 is supported
- Minimum CLArrayS3.4.3.0.x fileset is supported. Supports FC4700, FC4700–2 with minimum Flare code 8.46.xx.
- Requires minimum PSSP 3.2 APAR IY18172, IY31012
- The following link provides detailed data for all 9076–SP2 models and feature codes:
http://www1.ibm.link.ibm.com/cgi-bin/master?request=salesmanual&parms=SMS&xh=NTZH*daEMSRi4n1USenGnN9332&xhi=usa.main%7Csalesmanual%5E&type=D&search=9076&title=T&product=9076
- Requires minimum PSSP 3.2 APAR IY18172
- AIX 5.1 supported with 32/64 bit kernel.
- Requires adapter firmware 3.82A1, CLArrayS3.5.1 fileset support. Supports FC4700 with minimum Flare code 8.46.xx.
- Requires AIX 5.1 with minimum maintenance level 03 APAR 1Y32749.
- For minimum Powerpath version 3.0.3, minimum CLArray S3.5.1.0.6 version is required.
- Requires minimum AIX5.1 with maintenance level 03 APAR IY32749.
- Minimum Powerpath version 3.0.3 is supported.
- Requires minimum PSSP APAR IY38509
- PSSP 3.5 supports a 32 or 64 bit kernel.
- IBM Native Fibre Channel drivers with feature code 6227 and with feature code 6228 are supported on the same server. Feature 6228 and 6239 are supported on the same server. Mixed FC–AL and FC–SW are supported on the same server. 6227 filesets: devices.pci.df1000f7.diag, devices.pci.df1000f7.rte, 6228 filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1000f9.diag, devices.pci.df1000f9.rte; 6239 filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1000f9.diag, devices.pci.df1000f9.rte
- AIX 5.1 supported only with 32–bit kernel.
- Requires adapter firmware 3.22A1, CLArrayS3.5.1 fileset support. Supports FC4700 with minimum flare code 8.46.xx.
- AIX 5.2 requires Operating System APAR# IY36782, IY37744 and IY37746 for support with HACMP and HACMP/ES version 4.5 and PSSP 3.5.

35. HACMP 4.5 when installing under AIX 5.2 requires HACMP 4.5 APAR# IY36938.
36. When installing under AIX 5.2 HACMP/ES 4.5 APAR# IY36938, HACMP/ES 4.5 APAR# IY36933, HACMP/ES 4.5 APAR# IY36626 and RSCT 2.3 APAR# IY36626 are required.
37. AIX 5.1 supported with 32/64-bit kernel. Requires minimum EMC ODM fileset support 5.0.0.0.
38. AIX 5.1 32/64 bit Kernel supported. Minimum PowerPath Version 2.1.2 supported. Requires minimum EMC ODM fileset support 5.0.0.0.
39. Requires minimum IBM APAR IY43999
40. Requires a minimum of three nodes in the cluster.
41. See http://www.rs6000.ibm.com/resource/hardware_docs/sa38-0538/380538.pdf for appropriate HBA placement guidelines
42. Requires minimum ODM fileset support (5.0.0.0 EMC Symmetrix Fibre Channel support software).
43. IBM 6227 and IBM 6228 adapters are supported on the same server. Mixed FC-AL and FC-SW are supported on the same server.
6227 Filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1000f7.rte ;
6228 Filesets: devices.pci.df1000f7.com, devices.pci.df1000f7.diag, devices.pci.df1000f9.diag, devices.pci.df1000f9.rte
44. For all PCI-based hosts only: See http://www-1.ibm.com/servers/eserver/pseries/library/hardware_docs/sa38/380538.pdf for appropriate HBA placement guidelines.
45. Requires minimum HBA firmware 3.82A1, CLArrayS3.5.1 fileset support. Supports FC4700 with minimum Flare code 8.46.xx .
46. **AIX 5.2 32/64 bit kernel supported. Requires Minimum EMC ODM fileset support 5.0.0.0.**
47. **Requires AIX APAR IY48995**
48. **Minimum PowerPath 3.0.3 supported.**
49. **Requires minimum of CLArrayS3.5.2.0.7**

Microsoft Windows 2000

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
 - 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
 - 3) External storage director failures including failed lasers on Fibre Channel directors.
 - 4) External storage power failure.
 - 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
 - 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements.
- Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

Bull

Bull – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Express 5800 180Rb7	Microsoft Windows 2000: Advanced Server SP2^{2, 3} , Server SP4 ²	Microsoft MSCS ⁴	HA: 4	Emulex LP8000-EMC ⁵	See ¹

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. **Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
4. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
5. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

DG

DG – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	AViiON: AV1400, AV2300, AV2800, AV3700, AV3704, AV3704R, AV3800, AV8950	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP3^{1, 2}, SP4¹ ; Microsoft Windows 2000 Server SP4 ¹	Microsoft MSCS ⁸	HA: 2	QLogic QLA2310F-E-SP	See ^{7, 9}
2	AViiON: AV1400, AV2300, AV2800, AV3700, AV3704, AV3704R, AV3800, AV8950	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP4¹	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁶	HA: 4	QLogic QLA2310F-E-SP ^{3, 5, 10}	See ⁹
3	AViiON: AV1400, AV2800, AV3700, AV3704, AV3800	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP3^{1, 2}, SP4¹ ; Microsoft Windows 2000 Server SP4 ¹	Microsoft MSCS ⁸	HA: 2	Emulex LP8000-EMC ¹¹ ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁷
4	AViiON: AV1400, AV2800, AV3700, AV3704, AV3800	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP4¹	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁶	HA: 4	Emulex: LP8000-EMC ^{3, 5, 11} , LP9002-E (LP9002L-E); QLogic: QLA2340-E-SP ^{3, 4, 5} , QLA2342-E-SP ^{4, 5}	
5	AViiON: AV2300, AV3704R, AV8950	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP3^{1, 2}, SP4¹ ; Microsoft Windows 2000 Server SP4 ¹	Microsoft MSCS ⁸	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁷
6	AViiON: AV2300, AV3704R, AV8950	Microsoft Windows 2000 Advanced Server: SP2^{1, 2}, SP4¹	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ⁶	HA: 4	Emulex: LP8000-EMC ^{3, 5, 11} , LP9002-E (LP9002L-E) ³ , LP9802-E ^{3, 4, 5} , LP9802DC-E ^{3, 4, 5} , LP982-E ^{3, 4, 5} ; QLogic: QLA2340-E-SP ^{3, 4, 5} , QLA2342-E-SP ^{4, 5}	

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. **Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
3. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
4. PowerPath supported. ATF/CDE not supported.
5. If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
6. GAB disks (membership and service group heartbeat disks) are not supported.

7. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
8. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
9. Supported by direct attach only
10. If using ATF/CDE, requires 2.1.6 or greater..
11. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Dell

Dell – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 2650; PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ^{2,4} , SP3 ^{2,4} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
2	PowerEdge 2650; PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ^{2,4} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	Emulex: LP9002-E (LP9002L-E) ⁸ , LP9802-E ^{8,9,10} , LP9802DC-E ^{8,9,10} , LP982-E ^{8,9,10} ; QLogic: QLA2340-E-SP ^{8,9,10} , QLA2342-E-SP ^{9,10}	
3	PowerEdge 8450	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic QLA2310F-E-SP	See ⁶
4	PowerEdge 8450	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	
5	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ^{2,4} , SP3 ^{2,4} , SP4 ² ; Microsoft Windows 2000 Datacenter: SP2 ^{2,4} , SP3 ^{2,4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2,4} , SP3 ^{2,4} , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁴ , LP9802-E, LP9802DC-E, LP982-E; QLogic QLA2342-E-SP	See ¹
6	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ^{2,4} , SP3 ^{2,4} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ⁵		Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
7	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ^{2,4} , SP3 ^{2,4} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ⁵		QLogic QLA2310F-E-SP	See ^{1,6}
8	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ^{2,4} , SP4 ²	Oracle 9i RAC 9.2.0.1.0 ⁷	RAC: 8	Emulex LP982-E	
9	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ^{2,4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2,4} , SP3 ^{2,4}	Microsoft MSCS	HA: 4	Emulex LP9002-E (LP9002L-E); QLogic QLA2340-E-SP	See ¹
10	PowerEdge 8450	Microsoft Windows 2000 Advanced Server: SP2 ^{2,4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2,4} , SP3 ^{2,4}	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1,6}
11	PowerEdge 8450	Microsoft Windows 2000: Advanced Server SP3 ^{2,4} , Datacenter SP2 ^{2,3,4} , Datacenter SP3 ^{2,4} , Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ⁵	HA: 4	Emulex LP9002-E (LP9002L-E); QLogic QLA2340-E-SP	See ¹
12	PowerEdge 8450	Microsoft Windows 2000: Advanced Server SP3 ^{2,4} , Datacenter SP2 ^{2,3,4} , Datacenter SP3 ^{2,4} , Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ⁵	HA: 4	QLogic QLA2310F-E-SP	See ^{1,6}
13	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ¹² , 2600, 2650, 4400, 4600, 6100, 6300, 6350, 6400, 6450, 6600, 6650, 8450; PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ^{2,4} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	QLogic QLA2310F-E-SP ^{8,10,13}	See ⁶
14	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ¹² , 2600, 2650, 4400, 4600, 6100, 6300, 6350, 6400, 6450, 6600, 6650; PowerVault: 750N, 755N, 770N, 775N	Microsoft Windows 2000 Advanced Server: SP2 ^{2,4} , SP3 ^{2,4} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵	HA: 2	QLogic QLA2310F-E-SP	See ^{1,6}

Dell – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
15	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ¹² , 2600, 4400, 4600, 6300, 6350, 6400, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
16	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ¹² , 2600, 4400, 4600, 6300, 6350, 6400, 6450, 6600, 6650, 8450	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	Emulex: LP8000-EMC ^{8, 10, 14} , LP9002-E (LP9002L-E) ⁸ , LP9802-E ^{8, 9, 10} , LP9802DC-E ^{8, 9, 10} , LP982-E ^{8, 9, 10} ; QLogic: QLA2340-E-SP ^{8, 9, 10} , QLA2342-E-SP ^{9, 10}	
17	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4, 15} , SP4 ^{2, 15}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	
18	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4, 15} , SP4 ^{2, 15}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic: QLA2310F-E-SP	See ⁶
19	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Oracle 9i RAC 9.2.0.1.0 ⁷	RAC: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	
20	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Oracle 9i RAC 9.2.0.1.0 ⁷	RAC: 8	QLogic: QLA2310F-E-SP	See ⁶
21	PowerEdge: 2300, 6100	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵	HA: 2	Emulex LP8000-EMC ¹⁴ ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
22	PowerEdge: 2300, 6100	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹¹	HA: 4	Emulex LP8000-EMC ^{8, 10, 14} ; QLogic: QLA2340-E-SP ^{8, 9, 10} , QLA2342-E-SP ^{9, 10}	
23	PowerEdge: 2600, 2650, 4600, 6400, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
24	PowerEdge: 2600, 2650, 4600, 6400, 6450, 6600, 6650	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ²	Microsoft MSCS	HA: 4	QLogic: QLA2310F-E-SP	See ^{1, 6}

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- PowerPath not supported. ATF is supported.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- Supported by direct attach only
- Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0.
VxVM not supported.
PowerPath 3.0 supported.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- PowerPath supported. ATF/CDE not supported.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- GAB disks (membership and service group heartbeat disks) are not supported.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- If using ATF/CDE, requires 2.1.6 or greater..
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Oracle Cluster File System 1.x supported for 9i RAC 9.2.0.3. PowerPath 3.02

HPQ

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserver LC: 2000 U3, 2000 ²¹ ; Netserver LH: 3000, 4, 6000; Netserver: LP 2000r, LT 6000R, LXR 8000, LXR 8500	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 11}
2	Netserver LC: 2000 U3, 2000 ²¹ ; Netserver LH: 3000, 4, 6000; Netserver: LP 2000r, LT 6000R, LXR 8000, LXR 8500; Proliant: 3000 ⁶ , 6400R ⁶ , 6500 ^{6, 22} , 7000 ^{6, 22} , 8000 ^{6, 22} , 8500, BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶ , ML350(G2) ⁶ , ML350(G3), ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2) ¹⁸ , ML570 ⁶ , ML750 ²⁰	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹⁶	HA: 4	QLogic QLA2310F-E-SP ^{9, 10, 19}	See ¹¹
3	Netserver LC: 2000 U3, 2000 ²¹ ; Netserver: LP 2000r, LT 6000R	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
4	Netserver LC: 2000 U3, 2000 ²¹ ; Netserver: LP 2000r, LT 6000R; Proliant: 6400R ⁶ , 8500, BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶ , ML350(G2) ⁶ , ML350(G3), ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2) ¹⁸ , ML570 ⁶ , ML750 ²⁰	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹⁶	HA: 4	Emulex: LP8000-EMC ^{9, 10, 14} , LP9002-E (LP9002L-E) ⁹ , LP9802-E ^{9, 10, 17} , LP9802DC-E ^{9, 10, 17} , LP982-E ^{9, 10, 17} ; QLogic: QLA2340-E-SP ^{9, 10, 17} , QLA2342-E-SP ^{10, 17}	
5	Netserver LH: 3000, 4, 6000; Netserver LXR: 8000, 8500	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵	HA: 2	Emulex LP8000-EMC ¹⁴ ; HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
6	Netserver LH: 3000, 4, 6000; Netserver LXR: 8000, 8500; Proliant: 3000 ⁶ , 6500 ^{6, 22} , 7000 ^{6, 22} , 8000 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹⁶	HA: 4	Emulex LP8000-EMC ^{9, 10, 14} ; QLogic: QLA2340-E-SP ^{9, 10, 17} , QLA2342-E-SP ^{10, 17}	
7	Proliant 5500 ^{6, 22}	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	Emulex LP9002-E (LP9002L-E)	
8	Proliant 5500 ^{6, 22}	Microsoft Windows 2000 Advanced Server SP4 ^{2, 26}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002-E (LP9002L-E)	

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
9	Proliant 5500 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{5, 15}	HA: 2	Emulex: LP8000-EMC ^{13, 14} , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
10	Proliant 5500 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹⁶	HA: 4	Emulex: LP8000-EMC ^{9, 10, 14} , LP9002-E (LP9002L-E) ⁹	
11	Proliant 5500 ^{6, 22}	Microsoft Windows 2000 Server: SP2 ^{2, 3} , SP3 ^{2, 3}	Microsoft MSCS ¹⁵	HA: 2	Emulex: LP8000-EMC ^{13, 14} , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
12	Proliant 5500 ^{6, 22}	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	
13	Proliant 8500	Microsoft Windows 2000 Advanced Server SP2 ^{2, 3}	Oracle 9i RAC 9.2.0.1.0 ⁸	RAC: 8	QLogic QLA2310F-E-SP ^{9, 10}	See ¹¹
14	Proliant 8500	Microsoft Windows 2000 Advanced Server SP2 ^{2, 3} , 26	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2310F-E-SP ^{9, 10}	See ¹¹
15	Proliant 8500	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0 ⁸	RAC: 8	QLogic QLA2310F-E-SP ^{9, 10, 12}	See ¹¹
16	Proliant 8500	Microsoft Windows 2000 Advanced Server SP4 ^{2, 26}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2310F-E-SP ^{9, 10, 12}	See ¹¹
17	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , 26, SP4 ^{2, 26}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9002-E (LP9002L-E) ⁹ , LP9802-E, LP9802DC-E ^{9, 10, 17} , LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	
18	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Datacenter: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
19	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP2 ^{2, 3} , Server SP3 ^{2, 3} , Server SP4 ²	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1, 11}
20	Proliant 8500	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP4 ²	Oracle 9i RAC 9.2.0.1.0 ⁸	RAC: 8	Emulex: LP9002-E (LP9002L-E) ⁹ , LP9802-E, LP9802DC-E ^{9, 10, 17} , LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	
21	Proliant 8500	Microsoft Windows 2000 Datacenter: SP2 ^{2, 3} , SP3 ^{2, 3}	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ¹
22	Proliant 8500	Microsoft Windows 2000 Datacenter: SP2 ^{2, 3} , SP3 ^{2, 3}	Microsoft MSCS ¹⁵	HA: 2	QLogic QLA2310F-E-SP	See ¹
23	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	HPQ Dual-port mezzanine controller card ^{24, 25}	
24	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵	HA: 2	HPQ Dual-port mezzanine controller card	See ¹
25	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹⁶	HA: 4	HPQ Dual-port mezzanine controller card ^{24, 25}	
26	Proliant BL20p (G2)	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 3} , SP3 ^{2, 3}	Microsoft MSCS	HA: 4	HPQ Dual-port mezzanine controller card	See ¹
27	Proliant BL20p (G2)	Microsoft Windows 2000: Advanced Server SP3 ^{2, 3} , Server SP4 ²	Microsoft MSCS ⁵	HA: 4	HPQ Dual-port mezzanine controller card	See ¹
28	Proliant DL740	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁴ , LP9802-E, LP9802DC-E, LP982-E; HPQ: FCA2354 (LP9002), FCA2355 (LP9002DC); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
29	Proliant DL740	Microsoft Windows 2000: Advanced Server SP3 ^{2, 3} , Server SP4 ²	Microsoft MSCS ⁵	HA: 4	Emulex LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
30	Proliant DL760 (G2)	Microsoft Windows 2000 Datacenter: SP2 ^{2, 3} , SP3 ^{2, 3} ; Microsoft Windows 2000 Server: SP2 ^{2, 3} , SP3 ^{2, 3}	Microsoft MSCS ¹⁵	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 11}

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
31	Proliant DL760 ⁶	Microsoft Windows 2000 Advanced Server: SP2^{2, 3} , SP3^{2, 3} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ⁵	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁴ , LP9002-E, (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
32	Proliant DL760 ⁶	Microsoft Windows 2000 Advanced Server: SP2^{2, 3} , SP3^{2, 3} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ⁵	HA: 2	QLLogic QLA2310F-E-SP	See ^{1, 11}
33	Proliant: 2500 ⁶ , 3000 ⁶ , 5000 ⁶ , 5500 ^{6, 22} , 6000 ^{6, 22} , 6500 ^{6, 22} , 7000 ^{6, 22} , 8000 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2^{2, 3} , SP3^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ⁵		Emulex LP8000-EMC ¹⁴ ; HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
34	Proliant: 2500 ⁶ , 3000 ⁶ , 5000 ⁶ , 5500 ^{6, 22} , 6000 ^{6, 22} , 6500 ^{6, 22} , 7000 ^{6, 22} , 8000 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2^{2, 3} , SP4 ²	Oracle 9i RAC 9.2.0.1.0 ²³	RAC: 8	Emulex LP8000-EMC ^{9, 10, 14}	
35	Proliant: 2500 ⁶ , 3000 ⁶ , 5000 ⁶ , 5500 ^{6, 22} , 6000 ^{6, 22} , 6500 ^{6, 22} , 7000 ^{6, 22} , 8000 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server: SP2^{2, 3}, SP3^{2, 3}	Microsoft MSCS	HA: 4	Emulex LP8000-EMC ¹⁴ ; HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
36	Proliant: 2500 ⁶ , 3000 ⁶ , 5000 ⁶ , 5500 ^{6, 22} , 6000 ^{6, 22} , 6500 ^{6, 22} , 7000 ^{6, 22} , 8000 ^{6, 22}	Microsoft Windows 2000: Advanced Server SP3^{2, 3} , Server SP4 ²	Microsoft MSCS ⁵	HA: 4	Emulex LP8000-EMC ¹⁴ ; HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
37	Proliant: 2500 ⁶ , 5000 ⁶ , 5500 ^{6, 22} , 6000 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2^{2, 3} , SP3^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server: SP2^{2, 3} , SP3^{2, 3} , SP4 ²	Microsoft MSCS ¹⁵	HA: 2	QLLogic QLA2310F-E-SP	See ^{1, 11}
38	Proliant: 2500 ⁶ , 5000 ⁶ , 5500 ^{6, 22} , 6000 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2^{2, 3} , SP3^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server: SP2^{2, 3} , SP3^{2, 3} , SP4 ²	Microsoft MSCS ¹⁵	HA: 2	QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
39	Proliant: 2500 ⁶ , 5000 ⁶ , 6000 ⁶ , 22	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{5, 15}	HA: 2	Emulex LP8000-EMC ^{13, 14} , HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
40	Proliant: 2500 ⁶ , 5000 ⁶ , 6000 ⁶ , 22	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹⁶	HA: 4	Emulex LP8000-EMC ^{9, 10, 14}	
41	Proliant: 2500 ⁶ , 5000 ⁶ , 6000 ⁶ , 22	Microsoft Windows 2000 Server: SP2 ^{2, 3} , SP3 ^{2, 3}	Microsoft MSCS ¹⁵	HA: 2	Emulex LP8000-EMC ^{13, 14} , HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
42	Proliant: 3000 ⁶ , 5500 ⁶ , 22, 7000 ⁶ , 22	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ²	Microsoft MSCS	HA: 4	Emulex LP9002-E (LP9002L-E)	See ¹
43	Proliant: 3000 ⁶ , 6400R ⁶ , 6500 ⁶ , 22, 7000 ⁶ , 22, 8000 ⁶ , 22, 8500, BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, ML350(G2) ⁶ , ML350(G3), ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2), ML570 ⁶ , ML750 ⁶	Microsoft Windows 2000 Server: SP2 ^{2, 3} , SP3 ^{2, 3}	Microsoft MSCS ¹⁵	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 11}
44	Proliant: 3000 ⁶ , 6400R ⁶ , 6500 ⁶ , 22, 7000 ⁶ , 22, 8000 ⁶ , 22, BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, ML350(G2) ⁶ , ML350(G3), ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2) ¹⁸ , ML570 ⁶ , ML750 ⁶ , 20	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{5, 15}	HA: 2	QLogic QLA2310F-E-SP	See ^{1, 11}
45	Proliant: 3000 ⁶ , 7000 ⁶ , 22	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{5, 15}	HA: 2	Emulex: LP8000-EMC ^{13, 14} , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
46	Proliant: 3000 ⁶ , 7000 ⁶ , 22	Microsoft Windows 2000 Server: SP2 ^{2, 3} , SP3 ^{2, 3}	Microsoft MSCS ¹⁵	HA: 2	Emulex: LP8000-EMC ^{13, 14} , LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPISA-CA (LP8000), DS-KGPISA-CB (LP8000), DS-KGPISA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
47	Proliant: 6400R ⁶ , BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, ML350(G2) ⁶ , ML350(G3) , ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2), ML570 ⁶ , ML750 ⁶	Microsoft Windows 2000 Advanced Server: SP2^{2,3} , SP3^{2,3} , SP4 ² ; Microsoft Windows 2000 Server: SP2^{2,3} , SP3^{2,3} , SP4 ²	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1,11}
48	Proliant: 6400R ⁶ , BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, ML350(G2) ⁶ , ML350(G3) , ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2), ML570 ⁶ , ML750 ⁶	Microsoft Windows 2000 Server: SP2^{2,3}, SP3^{2,3}	Microsoft MSCS ¹⁵	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ^{13,14} , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
49	Proliant: 6400R ⁶ , BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , DL740, ML350(G2) ⁶ , ML350(G3) , ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2) ¹⁸ , ML570 ⁶ , ML750 ^{6,20}	Microsoft Windows 2000 Advanced Server: SP2^{2,3} , SP3^{2,3} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{5,15}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ^{13,14} , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
50	Proliant: 6400R ⁶ , BL40p, DL320 ⁶ , DL360(G2) ⁶ , DL360(G3), DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580(G2) ⁶ , DL580(G3), DL580 ⁶ , ML350(G2) ⁶ , ML350(G3) , ML350 ⁶ , ML370(G2), ML370(G3), ML370 ⁶ , ML530(G2) ⁶ , ML530 ⁶ , ML570(G2), ML570 ⁶ , ML750 ⁶	Microsoft Windows 2000 Advanced Server: SP2^{2,3} , SP3^{2,3} , SP4 ² ; Microsoft Windows 2000 Server: SP2^{2,3} , SP3^{2,3} , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
51	Proliant: 6400R ⁶ , BL40p, DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	
52	Proliant: 6400R ⁶ , BL40p, DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server SP4 ²	Oracle 9i RAC 9.2.0.1.0	RAC: 8	QLogic QLA2310F-E-SP ¹⁰	See ¹¹

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adaptor	Comments
53	Proliant: 6400R ⁶ , BL40p, DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server SP4 ^{2, 26}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	
54	Proliant: 6400R ⁶ , BL40p, DL360 ⁶ , DL380(G2) ⁶ , DL380(G3), DL380 ⁶ , DL560, DL580 ⁶ , DL740, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server SP4 ^{2, 26}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLLogic QLA2310F-E-SP ¹⁰	See ¹¹
55	Proliant: 6500 ^{6, 22} , 8000 ^{6, 22}	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server SP4 ²	Microsoft MSCS ^{5, 15}	HA: 2	Emulex LP8000-EMC ^{13, 14} , HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
56	Proliant: 6500 ^{6, 22} , 8000 ^{6, 22}	Microsoft Windows 2000 Server: SP2 ^{2, 3} , SP3 ^{2, 3}	Microsoft MSCS ¹⁵	HA: 2	Emulex LP8000-EMC ^{13, 14} , HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
57	Proliant: 8500, DL760 (G2)	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ^{5, 15}	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ^{13, 14} , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
58	Proliant: 8500, DL760 (G2)	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ^{5, 15}	HA: 2	QLLogic QLA2310F-E-SP	See ^{1, 11}

HPQ – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
59	Proliant: 8500, DL760 (G2)	Microsoft Windows 2000 Datacenter: SP2 ^{2, 3} , SP3 ^{2, 3} , Microsoft Windows 2000 Server: SP2 ^{2, 3} , SP3 ^{2, 3}	Microsoft MSCS ¹⁵	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ^{13, 14} , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
60	Proliant: DL740, DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 3} , SP3 ^{2, 3}	Microsoft MSCS	HA: 4	Emulex LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
61	Proliant: DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Datacenter: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ¹⁴ , LP9802-E, LP9802DC-E, LP982-E; HPQ: FCA2354 (LP9002), FCA2355 (LP9002DC); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
62	Proliant: DL760 (G2), DL760 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Datacenter: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 3} , SP3 ^{2, 3} , SP4 ²	Microsoft MSCS	HA: 4	QLLogic QLA2310F-E-SP	See ^{1, 11}
63	Proliant: DL760 (G2), DL760 ^{6, 7}	Microsoft Windows 2000: Advanced Server SP3 ^{2, 3} , Datacenter SP2 ^{2, 3, 4} , Datacenter SP3 ^{2, 3} , Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ⁵	HA: 4	Emulex LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
64	Proliant: ML530(G2) ⁶ , ML530 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP4 ²	Oracle 9i RAC 9.2.0.1.0 ²³	RAC: 8	Emulex: LP8000-EMC ^{9, 10, 14} , LP9002-E (LP9002L-E) ⁹ , LP9802-E ^{9, 10, 17} , LP9802DC-E ^{9, 10, 17} , LP982-E ^{9, 10, 17} ; QLLogic: QLA2340-E-SP ^{9, 10, 17} , QLA2342-E-SP ^{10, 17}	See ¹
65	Proliant: ML530(G2) ⁶ , ML530 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 3} , SP4 ²	Oracle 9i RAC 9.2.0.1.0 ²³	RAC: 8	QLLogic QLA2310F-E-SP ^{9, 10, 19}	See ¹¹

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
 2. EMC recommends that HBAs of different vendors not be used in the same host server.
 3. Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
 4. PowerPath not supported. ATF is supported.

5. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
6. Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
7. CX600 only.
8. Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0.
VxVM not supported.
PowerPath 3.0 supported.
9. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
10. If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
11. Supported by direct attach only
12. Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
13. LP8000 no longer has removable GBICs for copper cable support.
14. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
15. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
16. GAB disks (membership and service group heartbeat disks) are not supported.
17. PowerPath supported. ATF/CDE not supported.
18. Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
19. If using ATF/CDE, requires 2.1.6 or greater..
20. HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
21. HP NetServer LC2000 is only supported with two processors.Uni-Processor configurations are not supported
22. Includes both Pentium PRO and XEON models
23. Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0
. VxVm not supported. PowerPath 3.0 supported.
24. Supports BIOS 1.34. Supports SNIA HBA API. Driver and BIOS available at <http://www.qlogic.com>.
25. **Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]**
26. Oracle Cluster File System 1.x supported for 9i RAC 9.2.0.3. PowerPath 3.02

IBM

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	eServer BladeCenter HS20 (Model 8678) ^{22, 23}	Microsoft Windows 2000 Advanced Server: SP2⁵, 11, SP3⁵, 11, SP4⁵ ; Microsoft Windows 2000 Server: SP2⁵, 11, SP3⁵, 11, SP4⁵	Microsoft MSCS ^{7, 19}	HA: 4	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{20, 21}	See ⁶
2	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 6000R, 7000, 7000 M10 ¹⁷ , 7100, 7600; xSeries: X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x445	Microsoft Windows 2000 Advanced Server: SP2⁵, 11, SP3⁵, 11, SP4⁵ ; Microsoft Windows 2000 Server SP4⁵	Microsoft MSCS ⁷	HA: 2	QLogic QLA2310F-E-SP	See ^{6, 8}
3	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ¹⁷ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Microsoft Windows 2000 Advanced Server: SP2⁵, 11, SP4⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹	HA: 4	QLogic QLA2310F-E-SP ^{2, 4, 13}	See ⁸
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ¹⁷ , 7100	Microsoft Windows 2000 Advanced Server: SP2⁵, 11, SP3⁵, 11, SP4⁵ ; Microsoft Windows 2000 Server SP4⁵	Microsoft MSCS ⁷	HA: 2	Emulex LP8000-EMC ³ ; IBM: 19K1246(QLA2310) ^{9, 10} ; 24P0960(QLA2340) ^{15, 16} ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁶
5	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ¹⁷ , 7100	Microsoft Windows 2000 Advanced Server: SP2⁵, 11, SP4⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 4	Emulex LP8000-EMC ^{2, 3, 4} ; IBM: 19K1246(QLA2310) ^{2, 4, 9, 10} ; 24P0960(QLA2340) ^{2, 4, 12, 15, 16} ; QLogic: QLA2340-E-SP ^{2, 4, 12} , QLA2342-E-SP ^{4, 12}	
6	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ¹⁷ , 7100	Microsoft Windows 2000 Advanced Server: SP2⁵, 11, SP4⁵	Veritas Cluster Server (VCS) 2.0 ¹	HA: 4	Emulex LP8000-EMC ^{2, 3, 4} ; IBM: 19K1246(QLA2310) ^{2, 4, 9, 10} ; 24P0960(QLA2340) ¹⁵ ; QLogic: QLA2340-E-SP ^{2, 4, 12} , QLA2342-E-SP ^{4, 12}	
7	Netfinity: 5600, 6000R, 7600; xSeries: X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x445	Microsoft Windows 2000 Advanced Server: SP2⁵, 11, SP3⁵, 11, SP4⁵ ; Microsoft Windows 2000 Server SP4⁵	Microsoft MSCS ⁷	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ^{9, 10} ; 24P0960(QLA2340) ^{15, 16} ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁶

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
8	Netfinity: 5600, 7600, 8500R; xSeries: X330, X335	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP4 ⁵	Veritas Cluster Server (VCS) 2.0 ¹	HA: 4	Emulex: LP8000-EMC ^{2, 3, 4} , LP9002-E (LP9002L-E) ² , LP9802-E ^{2, 4, 12} , LP9802DC-E ^{2, 4, 12} , LP982-E ^{2, 4, 12} ; IBM: 19K1246(QLA2310) ^{2, 4, 9, 10} , 24P0960(QLA2340) ¹⁵ ; QLogic: QLA2340-E-SP ^{2, 4, 12} , QLA2342-E-SP ^{4, 12}	
9	Netfinity: 5600, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP4 ⁵	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 4	Emulex: LP8000-EMC ^{2, 3, 4} , LP9002-E (LP9002L-E) ² , LP9802-E ^{2, 4, 12} , LP9802DC-E ^{2, 4, 12} , LP982-E ^{2, 4, 12} ; IBM: 19K1246(QLA2310) ^{2, 4, 9, 10} , 24P0960(QLA2340) ^{2, 4, 12, 15, 16} ; QLogic: QLA2340-E-SP ^{2, 4, 12} , QLA2342-E-SP ^{4, 12}	
10	Netfinity: 8500, 8500R; xSeries: x370, x440	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP4 ⁵	Microsoft MSCS ⁷	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ^{9, 10} , 24P0960(QLA2340) ^{15, 16} ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁶
11	Netfinity: 8500, 8500R; xSeries: x370, x440	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000: Datacenter SP4 ⁵ , Server SP4 ⁵	Microsoft MSCS ⁷	HA: 2	QLogic QLA2310F-E-SP	See ^{6, 8}
12	xSeries x360	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP4 ⁵	Oracle 9i RAC 9.2.0.1.0 ¹⁴	RAC: 8	Emulex: LP9002-E (LP9002L-E) ² , LP9802-E, LP9802DC-E ^{2, 4, 12} , LP982-E; IBM: 19K1246(QLA2310) ^{2, 4, 10} , 24P0960(QLA2340) ¹⁵	
13	xSeries x360	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP4 ⁵	Oracle 9i RAC 9.2.0.1.0 ¹⁴	RAC: 8	QLogic QLA2310F-E-SP ^{2, 4}	See ⁸
14	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x235, x240, x250, x255, x345, x350 (6000R), x360, x445	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ¹⁰ , 24P0960(QLA2340) ¹⁵ ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁶
15	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x235, x240, x250, x255, x345, x350 (6000R), x360, x445	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ ; Microsoft Windows 2000 Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{6, 8}

IBM – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
16	xSeries: X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x370	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP4 ⁵	Veritas Cluster Server (VCS) 2.0 ¹	HA: 4	Emulex: LP8000-EMC ^{2, 3, 4} , LP9002-E (LP9002L-E) ² , LP9802-E ^{2, 4, 12} , LP9802DC-E ^{2, 4, 12} , LP982-E ^{2, 4, 12} , IBM: 19K1246(QLA2310) ^{2, 4, 9, 10} , 24P0960(QLA2340) ^{2, 4, 12, 15, 16} , QLogic: QLA2340-E-SP ^{2, 4, 12} , QLA2342-E-SP ^{4, 12}	
17	xSeries: x370, x440	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ , Microsoft Windows 2000 Datacenter: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ , Microsoft Windows 2000 Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ¹⁰ , 24P0960(QLA2340) ¹⁵ ; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁶
18	xSeries: x370, x440	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ , Microsoft Windows 2000 Datacenter: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵ , Microsoft Windows 2000 Server: SP2 ^{5, 11} , SP3 ^{5, 11} , SP4 ⁵	Microsoft MSCS	HA: 4	QLogic: QLA2310F-E-SP	See ^{6, 8}
19	xSeries: x440, x445	Microsoft Windows 2000 Advanced Server: SP2 ^{5, 11} , SP4 ⁵	Veritas Cluster Server (VCS) 2.0 ¹	HA: 4	Emulex: LP8000-EMC ^{2, 3, 4} , LP9002-E (LP9002L-E) ² , LP9802-E ^{2, 4, 12} , LP9802DC-E ^{2, 4, 12} , LP982-E ^{2, 4, 12} , IBM: 19K1246(QLA2310) ^{2, 4, 9, 10} , 24P0960(QLA2340) ^{2, 4, 12, 15, 16, 18} , QLogic: QLA2340-E-SP ^{2, 4, 12} , QLA2342-E-SP ^{4, 12}	

1. GAB disks (membership and service group heartbeat disks) are not supported.
2. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
3. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
4. If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
5. EMC recommends that HBAs of different vendors not be used in the same host server.
6. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
7. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
8. Supported by direct attach only
9. IBM xSeries Servers only:
10. This HBA is equivalent to the qLogic QLA2310.
11. **Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
12. PowerPath supported. ATF/CDE not supported.
13. If using ATF/CDE, requires 2.1.6 or greater..
14. Oracle Cluster File System not supported for 9i RAC 9.2.0.1.0. VxVM not supported. PowerPath 3.0 supported. This HBA is equivalent to the qLogic QLA2340.
15. For CX200 direct-connect only, boot from array for clusters not supported.
16. This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
17. If using ATF/CDE, requires 2.1.6 or greater.
18. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
19. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"
20. This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
21. **Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
22. Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
23. EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.

NCR

NCR – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Worldmark: 4500, 45xx, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	Microsoft Windows 2000 Advanced Server: SP2^{2,4}, SP3^{2,4}, SP4² ; Microsoft Windows 2000 Server: SP2^{2,4}, SP3^{2,4}, SP4²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
2	Worldmark: 4500, 45xx, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	Microsoft Windows 2000 Advanced Server: SP2^{2,4}, SP3^{2,4}, SP4² ; Microsoft Windows 2000 Server: SP2^{2,4}, SP3^{2,4}, SP4²	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1,3}

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. Supported by direct attach only
4. **Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
5. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

NEC

NEC – Microsoft Windows 2000				
No.	Host System	Operating System	Cluster Software	Host Bus Adapter
1	Express 5800 180Rb-7	Microsoft Windows 2000 Advanced Server: SP2¹, SP3¹, SP4¹ ; Microsoft Windows 2000 Server: SP2¹, SP3¹, SP4¹	Microsoft MSCS	NEC: N8103-200, N8190-105
2	Express 5800: 120Md, 120Ra-2, 120Rc-2, 120Rd-1, 120Rd-2, 120Rf-2, 140Ha, 140Hb, 140Hd, 140Ma, 140Ra-4, 140Ra-7, 140Rb-4, 140Rc-4, 180Ha, 180Rc-4	Microsoft Windows 2000 Advanced Server: SP2¹, SP4¹	Microsoft MSCS	NEC: N8103-200, N8190-105

1. EMC recommends that HBAs of different vendors not be used in the same host server.

Unisys

Unisys – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	ES7000/100	Microsoft Windows 2000 Advanced Server: SP2^{2,4}, SP3^{2,4}, SP4² ; Microsoft Windows 2000 Datacenter SP4²	Microsoft MSCS ⁵	HA: 2	QLogic QLA2310F-E-SP	See ^{1,10}
2	ES7000/100	Microsoft Windows 2000 Advanced Server: SP2^{2,4}, SP3^{2,4}, SP4² ; Microsoft Windows 2000 Datacenter: SP2^{2,4}, SP3^{2,4}, SP4²	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ^{1,10}
3	ES7000/100	Microsoft Windows 2000 Server SP4²	Microsoft MSCS ⁵	HA: 2	QLogic QLA2310F-E-SP	See ¹
4	ES7000/100	Microsoft Windows 2000 Server: SP2^{2,4}, SP3^{2,4}, SP4²	Microsoft MSCS	HA: 4	QLogic QLA2310F-E-SP	See ¹
5	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2^{2,4}, SP3^{2,4}, SP4² ; Microsoft Windows 2000 Datacenter: SP2^{2,4}, SP3^{2,4}, SP4² ; Microsoft Windows 2000 Server: SP2^{2,4}, SP3^{2,4}, SP4²	Microsoft MSCS	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁶ , LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹
6	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2^{2,4}, SP3^{2,4}, SP4² ; Microsoft Windows 2000: Datacenter SP4² , Server SP4²	Microsoft MSCS ⁵	HA: 2	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁶ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP; Unisys FCH732213-P64 (LP9002L-F2) ²	See ¹

Unisys – Microsoft Windows 2000						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
7	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹²	HA: 4	Emulex: LP8000-EMC ^{6, 8, 9} , LP9002-E (LP9002L-E) ⁹ , LP9802-E ^{7, 8, 9} , LP9802DC-E ^{7, 8, 9} , LP982-E ^{7, 8, 9} , QLLogic: QLA2340-E-SP ^{7, 8, 9} , QLA2342-E-SP ^{7, 8} , Unisys FCH732213-P64 (LP9002L-F2) ²	
8	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ²	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ¹²	HA: 4	QLLogic QLA2310F-E-SP ^{8, 9, 11}	See ¹⁰
9	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2^{2, 4}, SP3^{2, 4}	Microsoft MSCS	HA: 4	Emulex LP9002-E (LP9002L-E)	See ¹
10	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000: Advanced Server SP3^{2, 4}, Datacenter SP2^{2, 3, 4, 5}, Datacenter SP3^{2, 4}, Datacenter SP4², Server SP4²	Microsoft MSCS		Emulex LP8000-EMC ⁶ ; Unisys FCH732213-P64 (LP9002L-F2) ²	See ¹
11	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2000: Advanced Server SP3^{2, 4}, Datacenter SP2^{2, 3, 4}, Datacenter SP3^{2, 4}, Datacenter SP4², Server SP4²	Microsoft MSCS ⁵	HA: 4	Emulex LP9002-E (LP9002L-E); Unisys FCH732213-P64 (LP9002L-F2) ²	See ¹
12	ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Datacenter: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000 Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ²	Microsoft MSCS	HA: 4	QLLogic QLA2310F-E-SP	See ^{1, 10}
13	ES7000/200; ES7000/230	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP4 ²	Microsoft MSCS ⁵	HA: 2	QLLogic QLA2310F-E-SP	See ^{1, 10}
14	ES7000/520; ES7000/530; ES7000/540	Microsoft Windows 2000 Advanced Server: SP2 ^{2, 4} , SP3 ^{2, 4} , SP4 ² ; Microsoft Windows 2000: Datacenter SP4 ² , Server SP2 ^{2, 4} , Server SP4 ²	Microsoft MSCS	HA: 2	Unisys FCH732213-P64 (LP9002L-F2)	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- PowerPath not supported. ATF is supported.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.**
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- PowerPath supported. ATF/CDE not supported.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- Supported by direct attach only
- If using ATF/CDE, requires 2.1.6 or greater..
- GAB disks (membership and service group heartbeat disks) are not supported.

Microsoft Windows 2003

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

Dell

Dell – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 3250 (Itanium 2)	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{7, 8, 9}	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ⁶
2	PowerEdge: 1550, 1650, 1750, 2450, 2500, 2550 ⁵ , 2600, 2650, 4600, 6400, 6450, 6600, 6650, 8450; PowerVault: 770N, 775N	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- No EMC Layered Applications supported on IA64 server platforms**
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.

- 8. MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- 9. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.

HPQ

HPQ – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Proliant 6500 ^{4, 8}	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ⁹	HA: 4	Emulex: LP8000-EMC7, LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
2	Proliant BL20p (G2)	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	HPQ Dual-port mezzanine controller card ^{5, 6}	See ¹
3	Proliant: 3000 ⁴ , 7000 ^{4, 8}	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex LP9002-E (LP9002L-E); HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	See ¹
4	Proliant: 8500, BL40p, DL320 ⁴ , DL360(G2) ⁴ , DL360(G3), DL360 ⁴ , DL380(G2) ⁴ , DL380(G3), DL380 ⁴ , DL560, DL580(G2) ⁴ , DL580(G3), DL580 ⁴ , DL740, DL760 (G2), DL760 ⁴ , ML350(G2) ⁴ , ML350(G3) , ML350 ⁴ , ML370(G2), ML370(G3), ML370 ⁴ , ML530(G2) ⁴ , ML530 ⁴ , ML570(G2), ML570 ⁴ , ML750 ⁴	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC7, LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

- 1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- 2. EMC recommends that HBAs of different vendors not be used in the same host server.
- 3. Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- 4. Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- 5. Supports BIOS 1.34. Supports SNIA HBA API. Driver and BIOS available at <http://www.qlogic.com>.
- 6. Supports BIOS 1.34. Available at <http://www.qlogic.com>. This driver requires Microsoft STORPort hotfix Q823728. Please see [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];823728](http://support.microsoft.com/default.aspx?scid=kb;[LN];823728) [NOTE: Powerpath not currently supported with STORPort driver.]
- 7. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- 8. Includes both Pentium PRO and XEON models

IBM

IBM – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	eServer BladeCenter HS20 (Model 8678) ⁹	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ^{3, 7, 8}	HA: 4	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{10, 11}	See ¹

IBM – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
2	xSeries x450	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{7, 8, 13}	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ¹²
3	xSeries: X330, X335, X340 (4500R), X342, x230, x232, x235, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁶ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM: 19K1246(QLA2310) ⁴ , 24P0960(QLA2340) ⁵ ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- This HBA is equivalent to the qLogic QLA2310.
- This HBA is equivalent to the qLogic QLA2340.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
 - No EMC Layered Applications supported on IA64 server platforms
 - MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.

NCR

NCR – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Worldmark: 4500, 45xx, 4700, 47XX, 4850, 48XX, 4900, 4950, 5100 Series, 5150, 5250, 52XX, 5300, 5350, 8550, S50	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

NEC

NEC – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Express 5800: 1080Xd, 1160Xd, 1320Xd	Microsoft Windows 2003 64-Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{2, 3, 4}	HA: 4	NEC: NT2007A-A001 ⁶ , NT2010A-A001 ⁵	See ¹
2	Express 5800: 1080Xd, 1160Xd, 1320Xd	Microsoft Windows 2003 64-Bit: DataCenter, Enterprise Edition (Advanced Server), Standard Edition (Server)	NEC ClusterPro 7.0		NEC: NT2007A-A001 ⁶ , NT2010A-A001 ⁵	See ¹

- No EMC Layered Applications supported on IA64 server platforms
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
- This HBA is equivalent to the qLogic QLA2340.
- This HBA is equivalent to the Emulex LP982.

Unisys

Unisys – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	ES7000/100; ES7000/200; ES7000/230	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS ³	HA: 4	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ¹
2	ES7000/130; ES7000/410; ES7000/420; ES7000/430	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Microsoft MSCS ^{6, 7, 8}	HA: 4	Emulex: LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP; Unisys FCH742313-P64 (LP9802)	See ⁵

Unisys – Microsoft Windows 2003						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
3	ES7000/520; ES7000/530; ES7000/540	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ² , Standard Edition (Server) ²	Microsoft MSCS	HA: 2	Unisys FCH742313-P64 (LP9802)	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- No EMC Layered Applications supported on IA64 server platforms**
- Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
- MSCS multi cluster configurations supported. If multi-clusters using Fibre Channel HBAs are configured to use a single FA port, use ESN Manager for LUN masking with the following minimum microcode: 5267.39, 5567.46, 5568.39.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.

Microsoft Windows NT

EMC recommends shutting down the host server during maintenance procedures that could cause the boot disk to become unavailable to the host. If the paging file is unavailable to the operating system for a minimum of 10 seconds, a crash can occur. (NOTE: EMC does not support online microcode upgrades for Windows systems booting from Symmetrix. EMC also does not support CLARiiON non-disruptive upgrades for Windows systems booting from CLARiiON arrays. Windows servers should be temporarily shut down during online microcode upgrades and NDUs as the procedures prevent access to all disks for short periods of time.) Events that could cause a system to crash when booting from external storage are:

- 1) Lost connection to external storage (pulled or damaged cable connection).
- 2) External storage service/upgrade procedures such as online microcode upgrades and/or configuration changes.
- 3) External storage director failures including failed lasers on Fibre Channel directors.
- 4) External storage power failure.
- 5) Storage area network failures such as Fibre Channel switches, switch components, and switch power failures.
- 6) Storage area network service/upgrade procedures such as firmware upgrades or hardware replacements. Windows NT/Windows 2000/2003 Servers (Fibre Channel/SCSI) Boot CAUTION: Microsoft Windows NT uses virtual memory paging files that reside on the boot disk by default. Please refer to the information contained in Microsoft Knowledge Base article Q305547. The article explains how Microsoft supports booting Windows systems through a SAN (storage area network.) Although this article specifically mentions Windows 2000, the information also pertains to Windows NT 4.0 systems booting through a SAN.

DG

DG – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	AViiON: AV1400, AV2800, AV3700, AV3800	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex LP8000-EMC ^{4, 5, 7, 8} , QLLogic: QLA2310F-E-SP ^{4, 5, 6} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹
2	AViiON: AV2300, AV3704R, AV8950	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{4, 5, 7, 8} , LP9002-E (LP9002L-E) ^{4, 5} , LP9802-E ^{4, 5} , LP9802DC-E ^{4, 5} , LP982-E ^{4, 5} , QLLogic: QLA2310F-E-SP ^{4, 5, 6} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- If using ATF/CDE, requires 2.0.9 or greater.
- LP8000 no longer has removable GBICs for copper cable support.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Dell

Dell – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 2650	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP9002-E (LP9002L-E) ^{4, 5} , LP9802-E ^{4, 5} , LP9802DC-E ^{4, 5} , LP982-E ^{4, 5} , QLLogic: QLA2310F-E-SP ^{4, 5, 7} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹
2	PowerEdge: 1550, 1650, 1750, 2400, 2450, 2500, 2550 ⁶ , 2600, 4600, 6300, 6350, 6400, 6450, 6600, 6650, 8450	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{4, 5, 8, 9} , LP9002-E (LP9002L-E) ^{4, 5} , LP9802-E ^{4, 5} , LP9802DC-E ^{4, 5} , LP982-E ^{4, 5} , QLLogic: QLA2310F-E-SP ^{4, 5, 7} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹
3	PowerEdge: 2300, 6100	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex LP8000-EMC ^{4, 5, 8, 9} , QLLogic: QLA2310F-E-SP ^{4, 5, 7} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
- If using ATF/CDE, requires 2.0.9 or greater.
- LP8000 no longer has removable GBICs for copper cable support.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

HPQ

HPQ – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserver LC: 2000 U3, 2000r; Netserver LT 6000R; Proliant: 6400R ⁷ , 8500, DL320 ⁷ , DL360(G2) ⁷ , DL360(G3), DL360 ⁷ , DL380(G2) ⁷ , DL380(G3), DL380 ⁷ , DL560, DL580(G2) ⁷ , DL580(G3), DL580 ⁷ , DL740, DL760(G2), DL760 ⁷ , ML350(G2) ⁷ , ML350(G3), ML350 ⁷ , ML370(G2), ML370(G3), ML370 ⁷ , ML530(G2) ⁷ , ML530 ⁷ , ML750 ⁶	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{4, 5, 10, 11} , LP9002-E (LP9002L-E) ^{4, 5} , LP9802-E ^{4, 5} , LP9802DC-E ^{4, 5} , LP982-E ^{4, 5} , HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP ^{4, 5, 12} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹
2	Netserver LH: 3000, 6000; Netserver LXR: 8000, 8500	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{4, 5, 10, 11} , HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP ^{4, 5, 12} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹
3	Netserver LH: 3, 4, II, PRO; Netserver: LX, PRO, LXR, PRO, LXR, PRO8; Proliant: 1600 ^{7, 9} , 1850 ⁷ , 2500 ⁷ , 5000 ⁷ , 6000 ^{7, 8} , 6500 ^{7, 8} , 8000 Pro, 8000 Xeon, 8000 ^{7, 8}	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{4, 5, 10, 11} , QLogic: QLA2310F-E-SP ^{4, 5, 12} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹
4	Proliant 850 ⁷	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{4, 5, 10, 11} , LP9802-E ^{4, 5} , LP9802DC-E ^{4, 5} , LP982-E ^{4, 5} , HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP ^{4, 5, 12} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹
5	Proliant: 3000 ⁷ , 5500 ^{7, 8} , 7000 ^{7, 8}	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{4, 5, 10, 11} , LP9002-E (LP9002L-E) ^{4, 5} , QLogic: QLA2310F-E-SP ^{4, 5, 12} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- Includes both Pentium PRO and XEON models
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- LP8000 no longer has removable GBICs for copper cable support.
- If using ATF/CDE, requires 2.0.9 or greater.

IBM

IBM – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 7000, 7000 M10 ⁶ , 7100	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{4, 5, 11, 12} , IBM: 19K1246(QLA2310) ^{4, 5, 9, 10} , 24P0960(QLA2340) ^{4, 5, 7, 8} , QLogic: QLA2310F-E-SP ^{4, 5, 10} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹
2	Netfinity: 5600, 7600, 8500R; xSeries: X340 (4500R), X342, x230, x235, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{4, 5, 11, 12} , LP9002-E (LP9002L-E) ^{4, 5} , LP9802-E ^{4, 5} , LP9802DC-E ^{4, 5} , LP982-E ^{4, 5} , IBM: 19K1246(QLA2310) ^{4, 5, 9, 10} , 24P0960(QLA2340) ^{4, 5, 7, 8} , QLogic: QLA2310F-E-SP ^{4, 5, 10} , QLA2340-E-SP ^{4, 5} , QLA2342-E-SP ^{4, 5}	See ¹

- EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
- FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
- If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
- This server only supports 5 Volt HBAs: qLogic 22XX family, qLogic 23XX family, Emulex LP8000, and Emulex LP850
- This HBA is equivalent to the qLogic QLA2340.

8. For CX200 direct-connect only, boot from array for clusters not supported.
9. This HBA is equivalent to the qLogic QLA2310.
10. If using ATF/CDE, requires 2.0.9 or greater.
11. LP8000 no longer has removable GBICs for copper cable support.
12. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Unisys

Unisys – Microsoft Windows NT						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	ES7000/100; ES7000/200	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{4, 5, 6, 7} , LP9002-E (LP9002L-E) ^{4, 5}	See ¹
2	ES7000/230	Microsoft Windows NT 4.0 SP6A ²	Microsoft MSCS ³	HA: 2	Emulex: LP8000-EMC ^{4, 5, 6, 7} , LP9002-E (LP9002L-E) ^{4, 5} , LP9802DC-E ^{4, 5} , LP982-E ^{4, 5}	See ¹

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. EMC recommends that HBAs of different vendors not be used in the same host server.
3. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows NT Server 4.0 Enterprise Edition.
4. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
5. If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
6. LP8000 no longer has removable GBICs for copper cable support.
7. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Novell Netware Dell

Dell – Novell Netware					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁶ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Netware 5.10: SP5 ^{2, 3} , 4, 7, SP6	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP ⁵
2	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁶ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Netware 6.0: SP1 ^{1, 2} , 3, 4, SP2 ^{1, 2, 3, 4} , SP3 ¹	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340-E-SP ⁵
3	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁶ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Netware 6.0: SP1 ^{1, 2} , 3, 4, SP2 ^{1, 2, 3, 4} , SP3 ¹ ; Novell Netware 6.5 ^{1, 8}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2310F-E-SP
4	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁶ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Netware 6.5 ^{1, 8}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340-E-SP
5	PowerEdge: 1550, 1650, 1750, 2300, 2400, 2450, 2500, 2550 ⁶ , 2600, 2650, 4300, 4400, 4600, 6100, 6300, 6350, 6450, 6600, 6650, 8450	Novell Netware 6.5 ^{1, 8}	Novell Netware Cluster Services Server (NCS) v1.7		QLogic: QLA2310F-E-SP, QLA2340-E-SP

1. NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
2. Maximum number of NWFS volumes that can be mounted is 64.
3. Novell Storage Services supported.
4. Powerpath & ATF supported.
5. FC-AL for CX200 requires the following:
 - 1) QLA2340 driver version 6.50v available at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
 - 2) If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
6. PowerEdge 2550 supports a maximum of 2 Emulex HBAs at one time and the total PCI power cannot exceed 20 Watts.
7. Requires NetWare patches: NWPAPT2A and NSS5J.
8. Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.

HPQ

HPQ – Novell Netware					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, II, PRO, III; Netserver LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9, 11} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 12} , 6000 ^{9, 12} , 6400R ⁹ , 6500 ^{9, 12} , 7000 ^{9, 12} , 8000 ^{9, 12} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360(G3), DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL560, DL580(G2) ⁹ , DL580(G3), DL580 ⁹ , DL740, DL760 (G2), DL760 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570(G2) ⁶ , ML570 ⁹ , ML750 ¹⁰	Novell Netware 5.10: SP5 ^{1, 2, 3} , 4, SP6	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP ⁵
2	Netserver: LC 2000 U3, LH 3, LH 3000, LH 4, LH 6000, LH II, LH PRO, LH III, LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	Novell Netware 6.0: SP1 ^{1, 3, 4, 7} , SP2 ^{1, 3, 4, 7} , SP3 ⁷	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340-E-SP ⁵
3	Netserver: LC 2000 U3, LH 3, LH 3000, LH 4, LH 6000, LH II, LH PRO, LH III, LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8	Novell Netware 6.0: SP1 ^{1, 3, 4, 7} , SP2 ^{1, 3, 4, 7} , SP3 ⁷ ; Novell Netware 6.5 ^{7, 13}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2310F-E-SP
4	Netserver: LC 2000 U3, LH 3, LH 3000, LH 4, LH 6000, LH II, LH PRO, LH III, LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9, 11} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 12} , 6000 ^{9, 12} , 6400R ⁹ , 6500 ^{9, 12} , 7000 ^{9, 12} , 8000 ^{9, 12} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360(G3), DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL560, DL580(G2) ⁹ , DL580(G3), DL580 ⁹ , DL740, DL760 (G2), DL760 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570(G2) ⁶ , ML570 ⁹ , ML750 ¹⁰	Novell Netware 6.5 ^{7, 13}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340-E-SP
5	Netserver: LC 2000 U3, LH 3, LH 3000, LH 4, LH 6000, LH II, LH PRO, LH III, LP 2000r, LT 6000R, LX PRO, LXR 8000, LXR 8500, LXR PRO, LXR PRO8; Proliant: 1600 ^{9, 11} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9, 12} , 6000 ^{9, 12} , 6400R ⁹ , 6500 ^{9, 12} , 7000 ^{9, 12} , 8000 ^{9, 12} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360(G3), DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL560, DL580(G2) ⁹ , DL580(G3), DL580 ⁹ , DL740, DL760 (G2), DL760 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570(G2) ⁶ , ML570 ⁹ , ML750 ¹⁰	Novell Netware 6.5 ^{7, 13}	Novell Netware Cluster Services Server (NCS) v1.7		QLogic: QLA2310F-E-SP, QLA2340-E-SP

HPQ – Novell Netware					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
6	Proliant: 1600 ^{9,11} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9,12} , 6000 ^{9,12} , 6400R ⁹ , 6500 ^{9,12} , 7000 ^{9,12} , 8000 ^{9,12} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360(G3), DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL560, DL580(G2) ⁹ , DL580(G3), DL580 ⁹ , DL740, DL760 (G2), DL760 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570(G2) ⁶ , ML570 ⁹ , ML750 ¹⁰	Novell Netware 6.0: SP1 ^{1,3,4,7,8} , SP2 ^{1,3,4,7,8} , SP3 ⁷	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340-E-SP ⁵
7	Proliant: 1600 ^{9,11} , 1850 ⁹ , 2500 ⁹ , 3000 ⁹ , 5000 ⁹ , 5500 ^{9,12} , 6000 ^{9,12} , 6400R ⁹ , 6500 ^{9,12} , 7000 ^{9,12} , 8000 ^{9,12} , 8500, 850 ⁹ , DL320 ⁹ , DL360(G2) ⁹ , DL360(G3), DL360 ⁹ , DL380(G2) ⁹ , DL380(G3), DL380 ⁹ , DL560, DL580(G2) ⁹ , DL580(G3), DL580 ⁹ , DL740, DL760 (G2), DL760 ⁹ , ML350(G2) ⁹ , ML350(G3), ML350 ⁹ , ML370(G2), ML370(G3), ML370 ⁹ , ML530(G2) ⁹ , ML530 ⁹ , ML570(G2) ⁶ , ML570 ⁹ , ML750 ¹⁰	Novell Netware 6.0: SP1 ^{1,3,4,7,8} , SP2 ^{1,3,4,7,8} , SP3 ⁷ ; Novell Netware 6.5 ^{1,13}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2310F-E-SP

- Maximum number of NWFS volumes that can be mounted is 64.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- Novell Storage Services supported.
- Powerpath & ATF supported.
- FC-AL for CX200 requires the following:
 - QLA2340 driver version 6.50v available at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
 - If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
- Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- HPQ Proliant servers with ATF and Powerpath requires use of SCSIHD in place of CPQSHD.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- HPQ Proliant servers that are rack-mountable (designated with an "R") are supported.
- This server is equipped with plastic shielding around the PCI slots. Since the PCI slots are 32-bit, this shielding prohibits 64-bit HBAs from properly seating in the PCI slots. To accommodate 64-bit HBAs, this shielding must be removed, or modified to allow the 64-bit HBA to fully seat in the 32-bit slots.
- Includes both Pentium PRO and XEON models
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.

IBM

IBM – Novell Netware					
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter
1	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370	Novell Netware 6.0: SP1 ^{1,2,3,4} , SP2 ^{1,2,3,4} , SP3 ¹ ; Novell Netware 6.5 ^{1,10}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2310F-E-SP
2	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370	Novell Netware 6.5 ^{1,10}	Novell Netware Cluster Services Server (NCS) v1.7		QLogic: QLA2310F-E-SP, QLA2340-E-SP
3	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Novell Netware 6.0: SP1 ^{1,2,3,4} , SP2 ^{1,2,3,4} , SP3 ¹	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340-E-SP ⁷
4	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600, 8500R; xSeries: X330, X335, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370, x440, x445	Novell Netware 6.5 ^{1,10}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	QLogic QLA2340-E-SP
5	Netfinity: 5000, 5500, 5500 M10, 5500 M20, 5600, 7000, 7000 M10 ⁹ , 7100, 7600, 8500R; xSeries: X330, X340 (4500R), X342, x230, x240, x250, x255, x345, x350 (6000R), x360, x370	Novell Netware 5.10: SP5 ^{2,3,4,8} , SP6	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP ⁷
6	xSeries X335	Novell Netware 5.10: SP5 ^{2,3,4,8} , SP6	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	QLogic: QLA2310F-E-SP, QLA2340-E-SP ⁷
7	xSeries: x440, x445	Novell Netware 5.10: SP5 ^{2,3,4,8} , SP6	Novell Netware Cluster Services Server (NCS) v1.01	HA: 16	IBM 24P0960(QLA2340) ^{4,5,6,7} ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP ⁷
8	xSeries: x440, x445	Novell Netware 6.0: SP1 ^{1,2,3,4} , SP2 ^{1,2,3,4} , SP3 ¹ ; Novell Netware 6.5 ^{1,10}	Novell Netware Cluster Services Server (NCS) v1.6	HA: 16	IBM 24P0960(QLA2340) ^{4,5,6,7} ; QLogic QLA2310F-E-SP
9	xSeries: x440, x445	Novell Netware 6.5 ^{1,10}	Novell Netware Cluster Services Server (NCS) v1.7		IBM 24P0960(QLA2340) ^{4,5,6,7} ; QLogic: QLA2310F-E-SP, QLA2340-E-SP

- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- Maximum number of NWFS volumes that can be mounted is 64.
- Novell Storage Services supported.
- Powerpath & ATF supported.
- If using ATF/CDE, requires 2.1.6 or greater.
- This HBA is equivalent to the qLogic QLA2340.
- FC-AL for CX200 requires the following:
 - QLA2340 driver version 6.50v available at http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
 - If the server is an HPQ Proliant DLxxx or Proliant MLxxx series, then ONLY (G2) and (G3) servers are supported.
- Requires NetWare patches: NWPAPT2A and NSS5J.
- This server only supports 5 Volt HBAs: qLogic 22XX family (if applicable), qLogic 23XX family, Emulex LP8000, and Emulex LP850 (if applicable).
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.

Red Hat Linux Dell

Dell – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge 2650	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.242, 20, 25, v2.4.9-e.25 ²⁵	NEC ClusterPro SE 2.1		QLogic QLA2340-E-SP	See ¹⁵
2	PowerEdge 2650 ^{7,8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.102, 9, 13	NEC ClusterPro SE 2.1		QLogic QLA2340-E-SP ¹⁴	
3	PowerEdge 2650 ^{7,8}	Red Hat Linux 2.1 Advanced Server v2.4.9-E.102, 9, 13	Oracle 9i RAC 9.2.0.1.010, 11, 12	RAC: 8	QLogic: QLA2340-E-SP ¹⁴ , QLA2342-E-SP ¹⁴	

Dell – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
4	PowerEdge 2650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9–e.27	NEC ClusterPro SE 2.1		QLogic QLA2340–E–SP ¹⁴	See ¹⁵
5	PowerEdge 2650 ^{7, 8}	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ^{10, 11, 12}	RAC: 8	QLogic QLA2340–E–SP ¹⁴	See ¹⁵
6	PowerEdge 6600 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ^{2, 9, 13}	Oracle 9i RAC 9.2.0.1.0 ^{10, 11, 12}	RAC: 8	QLogic QLA2340–E–SP ¹⁴	See ¹⁵
7	PowerEdge 6600 ^{7, 8}	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ^{10, 11, 12}	RAC: 8	QLogic QLA2340–E–SP ¹⁴	
8	PowerEdge 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2, 20, 25} , v2.4.9–e.25 ²⁵	NEC ClusterPro SE 2.1		QLogic QLA2340–E–SP	
9	PowerEdge 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 9, 13} , v2.4.9–e.27	NEC ClusterPro SE 2.1		QLogic QLA2340–E–SP ¹⁴	
10	PowerEdge 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 9, 13} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ^{10, 11, 12}	RAC: 8	QLogic QLA2340–E–SP ¹⁴	
11	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ^{2, 9}	Oracle 9i RAC 9.2.0.1.0 ^{5, 10, 11, 12}	RAC: 8	QLogic QLA2340–E–SP ⁶ , QLA2342–E–SP	
12	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ^{2, 9}	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2340–E–SP ⁶	
13	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3, 4, 16}	Oracle 9i RAC 9.2.0.1.0 ⁵	RAC: 8	QLogic QLA2340–E–SP ⁶	See ¹⁵
14	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{2, 9}	Oracle 9i RAC 9.2.0.1.0 ^{10, 11, 12}	RAC: 8	QLogic QLA2340–E–SP, QLA2342–E–SP	
15	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 9, 13} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ^{5, 10, 11, 12}	RAC: 8	QLogic QLA2340–E–SP ^{6, 14}	See ¹⁵
16	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 9, 13} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ^{10, 11, 12}	RAC: 8	QLogic QLA2310F–E–SP ¹⁴	
17	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{2, 9} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2310F–E–SP, QLA2342–E–SP	
18	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{2, 9} , v2.4.9–E.9 ^{2, 9}	Oracle 9i RAC 9.2.0.1.0 ^{10, 11, 12}	RAC: 8	QLogic QLA2310F–E–SP	
19	PowerEdge 8450 ^{7, 8}	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2340–E–SP ⁶	See ¹⁵
20	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁵ , v2.4.9–e.25 ²⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 21} , v2.4.9–e.25 ^{2, 21} , v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9802DC–E ²² , LP982–E ^{15, 23, 26, 27, 28} , QLogic: QLA2310F–E–SP, QLA2342–E–SP	
21	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁵ , v2.4.9–e.25 ²⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 21} , v2.4.9–e.25 ^{2, 21} , v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2340–E–SP	See ¹⁵
22	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁵ , v2.4.9–e.25 ²⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 21} , v2.4.9–e.25 ^{2, 21} , v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002–E (LP9002L–E) ²²	See ²⁴
23	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁵ , v2.4.9–e.25 ²⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 21} , v2.4.9–e.25 ^{2, 21} , v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002DC–E ²²	See ^{23, 24}
24	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁵ , v2.4.9–e.25 ²⁵ , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2, 21} , v2.4.9–e.25 ^{2, 21} , v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9802–E ²²	See ²³
25	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ^{2, 9}	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2340–E–SP	
26	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{2, 9} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2310F–E–SP ^{6, 14} , QLA2342–E–SP	
27	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8}	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	Veritas Cluster Server (VCS) 2.0 ^{17, 18, 19}	HA: 8	QLogic QLA2340–E–SP	See ¹⁵
28	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ^{2, 9}	Oracle 9i RAC 9.2.0.1.0 ^{5, 10, 11, 12}	RAC: 8	QLogic QLA2342–E–SP	
29	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{1, 2, 3, 4}	Oracle 9i RAC 9.2.0.1.0 ⁵	RAC: 8	QLogic QLA2310F–E–SP ⁶	
30	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{2, 9}	Oracle 9i RAC 9.2.0.1.0 ^{10, 11, 12}	RAC: 8	QLogic QLA2310F–E–SP, QLA2342–E–SP	
31	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2, 9, 13} , v2.4.9–E.12 ^{2, 9} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ^{5, 10, 11, 12}	RAC: 8	QLogic QLA2310F–E–SP ^{6, 14}	
32	PowerEdge: 1650 ^{7, 8} , 1750, 2600 ^{7, 8} , 2650 ^{7, 8} , 4600 ^{7, 8} , 6450 ^{7, 8} , 6600 ^{7, 8} , 6650 ^{7, 8}	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{2, 9} , v2.4.9–E.9 ^{2, 9}	Oracle 9i RAC 9.2.0.1.0 ^{10, 11, 12}	RAC: 8	QLogic QLA2340–E–SP	

Dell – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
33	PowerEdge: 1650 ^{7,8} , 1750, 2600 ^{7,8} , 2650 ^{7,8} , 4600 ^{7,8} , 6450 ^{7,8} , 6600 ^{7,8} , 6650 ^{7,8} , 8450 ^{7,8}	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ^{5,10,11,12}	RAC: 8	QLogic QLA2342–E–SP ¹⁴	
34	PowerEdge: 1650 ^{7,8} , 1750, 2600 ^{7,8} , 4600 ^{7,8} , 6450 ^{7,8}	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{2,9,13} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ^{10,11,12}	RAC: 8	QLogic QLA2340–E–SP ¹⁴	See ¹⁵
35	PowerEdge: 1650 ^{7,8} , 1750, 2600 ^{7,8} , 4600 ^{7,8} , 6450 ^{7,8} , 6600 ^{7,8} , 6650 ^{7,8} , 8450 ^{7,8}	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ^{2,9,13}	Oracle 9i RAC 9.2.0.1.0 ^{10,11,12}	RAC: 8	QLogic QLA2342–E–SP ¹⁴	
36	PowerEdge: 1750, 2600, 2650, 4600, 6450, 8450	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,20} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2,20} , v2.4.9–e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340–E–SP	See ¹⁵
37	PowerEdge: 1750, 2600, 2650, 4600, 6450, 8450	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,20} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2,20} , v2.4.9–e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2342–E–SP	
38	PowerEdge: 2650 ^{7,8} , 6650 ^{7,8}	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{2,9} , v2.4.9–E.9 ^{2,9}	NEC ClusterPro SE 2.1		QLogic QLA2340–E–SP	
39	PowerEdge: 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{2,20} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2,20} , v2.4.9–e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic: QLA2340–E–SP, QLA2342–E–SP	
40	PowerEdge: 6600, 6650	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁵ , v2.4.9–e.25 ²⁵ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{2,21} , v2.4.9–e.25 ^{2,21} , v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9802DC–E ²² , LP982–E ^{15,23,26,27,28} , QLogic: QLA2310F–E–SP, QLA2340–E–SP, QLA2342–E–SP	
41	PowerEdge: 6600 ^{7,8} , 6650 ^{7,8}	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{2,9} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Veritas Cluster Server (VCS) 2.0 ^{17,18,19}	HA: 8	QLogic: QLA2310F–E–SP ^{6,14} , QLA2340–E–SP, QLA2342–E–SP	

- Watchdog Timer should be disabled in ocmargs.ora
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- OCFS (Oracle Cluster File System) is not supported.
- Supported with QLogic driver v6.05.00.
- Configuration information available on EMC PowerLink and Avatar: See the Case Study "Oracle 9i RAC on Linux Red Hat 7.1 and Red Hat 2.1 Advanced Server with CLARiiON Storage Arrays" in the EMC Networked Storage Topology Guide.
- Host must be offline for CLARiiON–licensed (Flare) upgrade and Storage Processor replacement.
- QLogic driver is available with Dell/Oracle CC kit.
- An RPM from Dell may be used to install the QLogic v6.X driver. RPM may be obtained from the QLogic website.
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath.
- Booting from EMC storage arrays is NOT supported with PowerPath.
- requires patch p2632931_9202_LINUX.zip (9.2.0.2 patch set).
- Requires patch p2646914_9202_LINUX.zip (Private Network Fix).
- Oracle Cluster File System v1.x supported with Linux v2.4.9–E9, E10, E12, E16, E24, E25.
- OCFS (Oracle Cluster File System) is supported. Requires patch mount–2.11g–6i386.rpm (ocfs mount support).
- Driver v6.04.00 or above must be used with QLogic HBAs for direct attach configurations.
- FC–AL and FC–SW topologies can co–exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- PowerPath is not supported.
- GAB disks (membership and service group heartbeat disks) are not supported.
- Review single attach VxVM notes for PowerPath and DMP restrictions.
- When VxVM is used, EMC recommends VxVM 3.2 update 2, VxFS 3.4 update 1 and above.
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- Oracle Cluster File System 1.x supported for 9i RAC 9.2.0.3. PowerPath 3.03
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- Single HBA zoning is required regardless of the switch being utilized.
- FC–AL and FC–SW can run concurrently on separate HBAs on the same Host.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.**
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**

HPQ

HPQ – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9–E.10 ^{1,2,13}	Oracle 9i RAC 9.2.0.1.0 ^{3,24,25}	RAC: 8	QLogic QLA2342–E–SP ⁸	
2	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ^{1,2}	Oracle 9i RAC 9.2.0.1.0 ^{3,7,24,25}	RAC: 8	QLogic QLA2340–E–SP ⁶	See ⁵
3	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9–E.3 ^{2,9,10,11,26}	Oracle 9i RAC 9.2.0.1.0 ⁷	RAC: 8	QLogic QLA2340–E–SP ⁶	See ⁵
4	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1,2}	Oracle 9i RAC 9.2.0.1.0 ^{3,24,25}	RAC: 8	QLogic QLA2340–E–SP	See ⁵
5	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1,2}	Oracle 9i RAC 9.2.0.1.0 ^{3,24,25}	RAC: 8	QLogic: QLA2310F–E–SP, QLA2342–E–SP	
6	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1,2,13} , v2.4.9–E.12 ^{1,2} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ^{3,7,24,25}	RAC: 8	QLogic QLA2310F–E–SP ^{6,8}	

HPQ – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
7	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 13} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{3, 7, 24, 25}	RAC: 8	QLogic QLA2340-E-SP ^{6, 8}	See ⁵
8	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{3, 7, 24, 25}	RAC: 8	QLogic QLA2342-E-SP ^{6, 8}	
9	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{14, 15, 16}	HA: 8	QLogic: QLA2310F-E-SP ^{6, 8} , QLA2342-E-SP ^{6, 8}	
10	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 18} , v2.4.9-e.25 ^{2, 18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic: QLA2310F-E-SP ^{6, 22} , 23, QLA2342-E-SP	
11	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 9, 10, 11}	Oracle 9i RAC 9.2.0.1.0 ⁷	RAC: 8	QLogic QLA2310F-E-SP ⁶	
12	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{14, 15, 16}	HA: 8	QLogic QLA2340-E-SP ⁶	See ⁵
13	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500; Proliant: DL360(G3), DL380(G3), DL580(G3), DL760 (G2), ML370(G3)	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 17} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 17} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2342-E-SP	
14	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LT 6000R, LXR 8000, LXR 8500; Proliant: 8500, DL360 ⁴ , DL380(G2) ⁴ , DL380(G3), DL380 ⁴ , DL560, DL580 ⁴ , DL760 (G2)	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 18} , v2.4.9-e.25 ^{2, 18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2340-E-SP	See ⁵
15	Netserver LC: 2000 U3, 2000r; Netserver LH: 3, 3000, 4, 6000, III; Netserver: LP 2000r, LT 6000R, LXR 8000, LXR 8500; Proliant: DL360(G3), DL380(G3), DL580(G3), DL760 (G2), ML370(G3)	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 17} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 17} , v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP	See ⁵
16	Netserver LPR	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2, 17} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP	See ⁵
17	Netserver LPR	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{2, 18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2340-E-SP	See ⁵
18	Netserver LPR	Red Hat Linux 2.1 ES v2.4.9-e.24 ^{2, 17}	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340-E-SP	
19	Netserver LPR	Red Hat Linux 2.1 ES v2.4.9-e.24 ^{2, 18}	Oracle 9i RAC 9.2.0.3.0	RAC: 8	QLogic QLA2340-E-SP	
20	Proliant 8500	Red Hat Linux 2.1 Advanced Server v2.4.9-E.3 ^{2, 9, 10, 11}	Oracle 9i RAC 9.2.0.1.0 ⁷	RAC: 8	QLogic QLA2340-E-SP ⁶	See ⁵
21	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 13} , v2.4.9-E.12 ^{1, 2} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{3, 7}	RAC: 8	QLogic QLA2310F-E-SP ⁶	
22	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 13} , v2.4.9-E.12 ^{1, 2} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{3, 7}	RAC: 8	QLogic QLA2340-E-SP ⁶	See ⁵
23	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2, 13} , v2.4.9-E.9 ^{1, 2}	Oracle 9i RAC 9.2.0.1.0 ³	RAC: 8	QLogic QLA2342-E-SP	
24	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Oracle 9i RAC 9.2.0.1.0 ^{3, 7}	RAC: 8	QLogic QLA2342-E-SP ^{6, 8}	
25	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.12 ^{1, 2} , v2.4.9-e.27; Red Hat Linux 2.1 ES v2.4.9-e.27	Veritas Cluster Server (VCS) 2.0 ^{14, 15, 16}	HA: 8	QLogic: QLA2310F-E-SP ⁶ , QLA2342-E-SP ^{6, 8}	
26	Proliant 8500	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2, 18} , v2.4.9-e.25 ^{2, 18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9802DC-E ¹⁹ , LP982-E ^{5, 21, 28, 29, 30} , QLogic: QLA2310F-E-SP ^{6, 22} , 23, QLA2342-E-SP	
27	Proliant BL40p	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{2, 18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002-E (LP9002L-E) ¹⁹	See ²⁰
28	Proliant BL40p	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ²⁷ , v2.4.9-e.25 ²⁷ , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.25 ^{2, 18} , v2.4.9-e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002DC-E ¹⁹	See ^{20, 21}

HPQ – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
29	Proliant BL40p	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁷ , v2.4.9–e.25 ²⁷ , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.25 ² , 18, v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9802–E ¹⁹	See ^{20, 21}
30	Proliant BL40p	Red Hat Linux 2.1 ES v2.4.9–e.24 ² , 18	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9002–E (LP9002L–E) ¹⁹ LP9002DC–E ¹⁹ , LP9802–E ¹⁹	
31	Proliant DL740	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 13} , v2.4.9–E.12 ^{1, 2} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ³	RAC: 8	QLogic: QLA2340–E–SP, QLA2342–E–SP	
32	Proliant DL760 (G2)	Red Hat Linux 2.1 Advanced Server v2.4.9–E.12 ^{1, 2}	Veritas Cluster Server (VCS) 2.0 ¹⁴ , 15, 16	HA: 8	QLogic QLA2340–E–SP	
33	Proliant DL760 (G2)	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 13} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2}	Oracle 9i RAC 9.2.0.1.0 ³	RAC: 8	QLogic QLA2340–E–SP	
34	Proliant DL760 (G2)	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ³	RAC: 8	QLogic QLA2340–E–SP	See ⁵
35	Proliant DL760 (G2)	Red Hat Linux 2.1: Advanced Server v2.4.9–e.27, ES v2.4.9–e.27	Veritas Cluster Server (VCS) 2.0 ¹⁴ , 15, 16	HA: 8	QLogic QLA2340–E–SP	See ⁵
36	Proliant DL760 ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 13} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ³	RAC: 8	QLogic: QLA2340–E–SP, QLA2342–E–SP	
37	Proliant: 6500 ^{4, 12} , 8500, DL360 ⁴ , DL380 ⁴ , DL560, DL580 ⁴	Red Hat Linux 2.1 Advanced Server v2.4.9–E.9 ^{1, 2}	Oracle 9i RAC 9.2.0.1.0 ³	RAC: 8	QLogic QLA2340–E–SP	
38	Proliant: 6500 ^{4, 12} , DL360 ⁴ , DL380 ⁴ , DL560, DL580 ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 13} , v2.4.9–E.12 ^{1, 2} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ³	RAC: 8	QLogic QLA2340–E–SP	See ⁵
39	Proliant: 6500 ^{4, 12} , DL360 ⁴ , DL380 ⁴ , DL560, DL580 ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{1, 2} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Veritas Cluster Server (VCS) 2.0 ¹⁴ , 15, 16	HA: 8	QLogic QLA2340–E–SP	See ⁵
40	Proliant: 6500 ^{4, 12} , DL360 ⁴ , DL380 ⁴ , DL560, DL580 ⁴ , DL760 (G2)	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.10 ^{1, 2, 13} , v2.4.9–E.12 ^{1, 2} , v2.4.9–E.9 ^{1, 2} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Oracle 9i RAC 9.2.0.1.0 ³	RAC: 8	QLogic QLA2342–E–SP	
41	Proliant: 6500 ^{4, 12} , DL360 ⁴ , DL380 ⁴ , DL560, DL580 ⁴ , DL760 (G2)	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{1, 2} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Veritas Cluster Server (VCS) 2.0 ¹⁴ , 15, 16	HA: 8	QLogic QLA2342–E–SP	
42	Proliant: 8500, DL360 ⁴ , DL380(G2) ⁴ , DL380(G3), DL380 ⁴ , DL560, DL580 ⁴ , DL740, DL760 (G2), DL760 ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁷ , v2.4.9–e.25 ²⁷ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , 18, v2.4.9–e.25 ² , 18, v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002–E (LP9002L–E) ¹⁹	See ²⁰
43	Proliant: 8500, DL360 ⁴ , DL380(G2) ⁴ , DL380(G3), DL380 ⁴ , DL560, DL580 ⁴ , DL740, DL760 (G2), DL760 ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁷ , v2.4.9–e.25 ²⁷ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , 18, v2.4.9–e.25 ² , 18, v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9002DC–E ¹⁹	See ^{20, 21}
44	Proliant: 8500, DL360 ⁴ , DL380(G2) ⁴ , DL380(G3), DL380 ⁴ , DL560, DL580 ⁴ , DL740, DL760 (G2), DL760 ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁷ , v2.4.9–e.25 ²⁷ , v2.4.9–e.27 ² ; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , 18, v2.4.9–e.25 ² , 18, v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex LP9802–E ¹⁹	See ²¹
45	Proliant: BL40p, DL740, DL760 ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁷ , v2.4.9–e.25 ²⁷ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , 18, v2.4.9–e.25 ² , 18, v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9802DC–E ¹⁹ , LP982–E ^{5, 21, 28, 29, 30} , QLogic: QLA2310F–E–SP ²² , QLA2340–E–SP, QLA2342–E–SP	
46	Proliant: DL360 ⁴ , DL380(G2) ⁴ , DL380(G3), DL380 ⁴ , DL560, DL580 ⁴ , DL760 (G2)	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ²⁷ , v2.4.9–e.25 ²⁷ , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ² , 18, v2.4.9–e.25 ² , 18, v2.4.9–e.27	Oracle 9i RAC 9.2.0.3.0	RAC: 8	Emulex: LP9802DC–E ¹⁹ , LP982–E ^{5, 21, 28, 29, 30} , QLogic: QLA2310F–E–SP ²² , QLA2342–E–SP	
47	Proliant: DL740, DL760 ⁴	Red Hat Linux 2.1 Advanced Server: v2.4.9–E.12 ^{1, 2} , v2.4.9–e.27; Red Hat Linux 2.1 ES v2.4.9–e.27	Veritas Cluster Server (VCS) 2.0 ¹⁴ , 15, 16	HA: 8	QLogic: QLA2340–E–SP, QLA2342–E–SP	

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Oracle Cluster File System v1.x supported with Linux v2.4.9–E9, E10, E12, E16, E24, E25.
- Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
- FC–AL and FC–SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Host must be offline for CLARiiON–licensed (Flare) upgrade and Storage Processor replacement.
- Configuration information available on EMC PowerLink and Avatar: See the Case Study "Oracle 9i RAC on Linux Red Hat 7.1 and Red Hat 2.1 Advanced Server with CLARiiON Storage Arrays" in the EMC Networked Storage Topology Guide.
- Driver v6.04.00 or above must be used with QLogic HBAs for direct attach configurations.
- Watchdog Timer should be disabled in ocmargs.ora
- OCFS (Oracle Cluster File System) is not supported.
- Supported with QLogic driver v6.05.00.
- Includes both Pentium PRO and XEON models
- OCFS (Oracle Cluster File System) is supported. Requires patch mount–2.11g–6i386.rpm (ocfs mount support).
- GAB disks (membership and service group heartbeat disks) are not supported.
- Review single attach VxVM notes for PowerPath and DMP restrictions.
- When VxVM is used, EMC recommends VxVM 3.2 update 2, VxFS 3.4 update 1 and above.
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- Oracle Cluster File System 1.x supported for 9i RAC 9.2.0.3. PowerPath 3.03

19. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
20. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
21. Single HBA zoning is required regardless of the switch being utilized.
22. If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
23. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
24. requires patch p2632931_9202_LINUX.zip (9.2.0.2 patch set).
25. Requires patch p2646914_9202_LINUX.zip (Private Network Fix).
26. PowerPath is not supported.
27. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RQP.
28. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
29. Emulex driver and BIOS available from <http://www.emulex.com>.
30. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.

IBM

IBM – Red Hat Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	xSeries: X335, X342, x345, x360, x370, x440, x445	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{1, 2} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{1, 2} , v2.4.9–e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2340–E–SP	See ³
2	xSeries: X335, X342, x345, x360, x370, x440, x445	Red Hat Linux 2.1 Advanced Server: v2.4.9–e.24 ^{1, 2} , v2.4.9–e.27; Red Hat Linux 2.1 ES: v2.4.9–e.24 ^{1, 2} , v2.4.9–e.27	Red Hat Enterprise Linux 2.1 Cluster	HA: 2	QLogic QLA2342–E–SP	

1. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RQP.
2. This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
3. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.

SGI IRIX SGI

SGI – SGI IRIX						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Origin: 200, 2000	SGI IRIX: 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI Failsafe 2.1.2	HA: 2	SGI PCI-FC-1P-OPT-A	See ¹
2	Origin: 200, 2000, 300, 3000	SGI IRIX: 6.5.11, 6.5.12, 6.5.13, 6.5.14	SGI Failsafe 2.1.1	HA: 2	SGI PCI-FC-1P-OPT-A	See ¹
3	Origin: 300, 3000	SGI IRIX: 6.5.13, 6.5.14	SGI Failsafe 2.1.1	HA: 2	SGI PCI-FC-1P-OPT-B	See ¹
4	Origin: 300, 3000	SGI IRIX: 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI Failsafe 2.1.2	HA: 2	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B	See ¹

1. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.

SuSE Linux Dell

Dell – SuSE Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	PowerEdge: 1650, 1750, 2600, 2650, 4600, 6450, 6600, 6650	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	Emulex: LP9002–E (LP9002L–E) ⁴ , LP9002DC–E ⁴ , LP9802–E ⁴ , LP9802DC–E ⁴ , LP982–E ⁵ , 6, 7, 8, 9; QLogic: QLA2310F–E–SP, QLA2340–E–SP, QLA2342–E–SP	

1. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RQP.
2. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
3. Supports PowerPath v3.0.4 b12 only.
4. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.
5. Single HBA zoning is required regardless of the switch being utilized.
6. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
7. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
8. Emulex driver and BIOS available from <http://www.emulex.com>.
9. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.

HPQ

HPQ – SuSE Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netserv LC: 2000 U3, 2000r; Netserv LH: 3, 3000, 4, 6000, III; Netserv: LP 2000r, LPR, LT 6000R, LXR 8000, LXR 8500	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	QLogic: QLA2310F–E–SP ^{10, 11, 13} , QLA2340–E–SP, QLA2342–E–SP	
2	Proliant 5500 ^{14, 15}	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	Emulex LP9002–E (LP9002L–E)	
3	Proliant 6400R ¹⁴	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	Emulex: LP9002–E (LP9002L–E), LP9802–E, LP9802DC–E, LP982–E; QLogic: QLA2310F–E–SP ¹⁰ , QLA2340–E–SP, QLA2342–E–SP	
4	Proliant 8500	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	Emulex: LP9002–E (LP9002L–E) ^{4, 11} , LP9002DC–E ⁴ , LP9802–E ⁴ , LP9802DC–E ⁴ , LP982–E ⁵ , 6, 7, 8, 9; QLogic: QLA2310F–E–SP ^{10, 11, 13} , QLA2340–E–SP, QLA2342–E–SP	
5	Proliant: BL40p, DL360 ¹⁴ , DL380(G2) ¹⁴ , DL380(G3), DL380 ¹⁴ , DL560, DL580 ¹⁴ , DL740, DL760 (G2), DL760 ¹⁴	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{1, 2}	Oracle 9i RAC 9.2.0.3.0 ³	RAC: 8	Emulex: LP9002–E (LP9002L–E) ⁴ , LP9002DC–E ⁴ , LP9802–E ⁴ , LP9802DC–E ⁴ , LP982–E ⁵ , 6, 7, 8, 9; QLogic: QLA2310F–E–SP ¹⁰ , QLA2340–E–SP, QLA2342–E–SP	

1. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RQP.
2. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
3. Supports PowerPath v3.0.4 b12 only.
4. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.

5. Single HBA zoning is required regardless of the switch being utilized.
6. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
7. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
8. Emulex driver and BIOS available from <http://www.emulex.com>.
9. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
10. If no firmware/BIOS/driver is specified, refer to Base Connectivity information for minimum revision details.
11. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
12. PowerPath supported. ATF/CDE not supported.
13. Host must be offline for CLARiON-licensed (Flare) upgrade and Storage Processor replacement.
14. Compaq servers that are rack-mountable (designated by Compaq with an "R") are supported.
15. Includes both Pentium PRO and XEON models

IBM

IBM – SuSE Linux						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	eServer BladeCenter HS20 (Model 8678) ^{9, 10}	SuSE Linux SLES 8 SP2a (v2.4.19–SuSE.304) ^{2, 3}	Microsoft MSCS ^{4, 5, 6}	HA: 4	IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ^{11, 12} , Optical Pass-thru Module 02R9080 ^{7, 8}	See ¹

1. EMC supports booting from cluster servers. Please refer to base connectivity table to determine boot support for desired server model.
2. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
3. Requires rev1_sles8sp2a.patch for CLARiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
4. Best Practice configurations recommendations for MSCS Clusters are: Single HBA Zoning for each server or for each node in any given cluster, separate FA storage ports for each separate cluster to properly isolate the clusters from each other, use ESN Manager with Single HBA Zoning to provide additional LUN access control.
5. Microsoft Cluster Server (MSCS) is the native cluster service available with Windows 2000 Advanced Server.
6. Powerpath 3.0.5 supported with MSCS clusters on Windows 2003.
7. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

8. **Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**
9. Refer to Microsoft HCL for updated Windows 2000 SCSI clusters (<http://www.microsoft.com/hwtest/hcl>).
10. EMC VolumeLogix Software required for multiple BladeServers when direct-attached to EMC Symmetrix storage.
11. **Dual-port FC switch module. Can be used in place of Optical PassThru Module (OPM.)**
12. **Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.**

Sun Solaris
Sun

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
1	Netra 1280; Sun Fire: 12K, 15K, 280R, 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 8 Update 7 ¹⁰	Sun Sun Cluster 3.1 ^{33, 34}	HA: 4	Emulex: LP10000-E, LP10000DC-E	
2	Netra 1280; Sun Fire: 12K, 15K, 280R, 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 8 ¹⁰	Sun Sun Cluster 3.0 Update 3 ^{21, 22}	HA: 4 ²³ OPS: 4 ²³ RAC: 4 ²³	Emulex: LP10000-E, LP10000DC-E	
3	Netra 1280; Sun Fire: 12K, 15K, 280R, 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 9 ³²	Sun Sun Cluster 3.0 Update 3 ^{22, 31}	HA: 4 ²³ OPS: 2 ^{23, 30} RAC: 2 ^{23, 30}	Emulex: LP10000-E, LP10000DC-E	
4	Netra 1280; Sun Fire: 12K, 15K, 280R, 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 9 ³²	Sun Sun Cluster 3.1 ^{22, 35}	HA: 2	Emulex: LP10000-E, LP10000DC-E	
5	Netra 1280; Sun Fire: 12K, 15K, 280R, 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ⁷ , 250, 420R ⁷ , 450, Enterprise 10000, Enterprise 3500, Enterprise 4500, Enterprise 6500	Sun Solaris 8	Veritas Cluster Server (VCS) 3.5 ⁸	HA: 8	Emulex: LP10000-E, LP10000DC-E	
6	Netra 1280; Sun Fire: 12K, 15K, 280R, 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ⁷ , 250, 420R ⁷ , 450, Enterprise 10000, Enterprise 3500, Enterprise 4500, Enterprise 6500	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{8, 9}	HA: 8	Emulex: LP10000-E, LP10000DC-E	
7	Netra 1280; Sun Fire: 12K, 15K, 280R, 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ⁷ , 250, 420R ⁷ , 450, Enterprise 10000, Enterprise 3500, Enterprise 4500, Enterprise 6500	Sun Solaris: 8 ^{10, 9}	Veritas DBED/AC for 9iRAC 3.5 ^{2, 8, 16, 17, 18, 19}	RAC: 4 ^{14, 15}	Emulex: LP10000-E, LP10000DC-E	
8	Netra 1280; Sun Fire: 12K, 15K, 280R, 6800, V1280, V240, V480, V880; Ultra: 220R ⁷ , 250, 420R ⁷ , 450, Enterprise 10000, Enterprise 3500, Enterprise 6500	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ^{2, 25, 26}	HA: 8	Emulex: LP10000-E, LP10000DC-E	
9	Netra 1280; Sun Fire: 12K ³⁶ , 15K ³⁶ , 280R, 4800, 4810, 6800, V1280, V240, V480, V880; Ultra: 220R ⁷ , 250, 420R ⁷ , 450, Enterprise 10000, Enterprise 3500, Enterprise 4500, Enterprise 6500	Sun Solaris 8 ¹⁰	Veritas DBED/AC for 9iRAC 3.5 ^{2, 8, 16, 17, 18, 19}	RAC: 4 ^{14, 15}	Emulex LP8000-EMC ¹¹	See ^{3, 4, 5, 6}
10	Netra 1280; Sun Fire: 280R, 4800, 4810, 6800, V1280, V240, V480, V880	Sun Solaris 8 ¹⁰	Veritas Cluster Server (VCS) 3.5 ⁹	HA: 8	Emulex LP8000-EMC ¹¹	See ^{3, 4, 5, 6}
11	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris 8	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E	See ^{3, 4, 5, 6}
12	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris 8	Veritas Cluster Server (VCS) 3.5 ⁸	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
13	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris 8 Update 7 ¹⁰	Sun Sun Cluster 3.1 ^{33, 34}	HA: 4	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
14	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris 8 ¹⁰	Sun Sun Cluster 3.0 Update 3 ^{21, 22}	HA: 4 ²³ OPS: 4 ²³ RAC: 4 ²³	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
15	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{8, 9}	HA: 8	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
16	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris 9 ³²	Sun Sun Cluster 3.0 Update 3 ^{22, 31}	HA: 4 ²³ OPS: 2 ^{23, 30} RAC: 2 ^{23, 30}	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
17	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris 9 ³²	Sun Sun Cluster 3.1 ^{22, 35}	HA: 2	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
18	Netra 1280; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris: 8 ^{10, 9}	Veritas DBED/AC for 9iRAC 3.5 ^{2, 8, 16, 17, 18, 19}	RAC: 4 ^{14, 15}	Emulex: LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
19	Netra 1280; Sun Fire: 280R, 6800, V1280, V240, V480, V880; Ultra: 220R ⁷ , 250, 420R ⁷ , 450, Enterprise 10000, Enterprise 3500, Enterprise 6500	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ^{2, 26}	HA: 8	QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
20	Netra 1280; Sun Fire: 280R, V1280, V240, V480, V880	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ^{2, 25, 26}	HA: 8	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E	See ^{3, 4, 5, 6}
21	Netra 1400	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ^{2, 29}	HA: 8	Emulex LP8000-EMC ¹¹	See ^{3, 4, 5, 6}
22	Netra 1400 ²⁰	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ^{2, 29}	HA: 8	Emulex LP9002-E (LP9002L-E); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
23	Netra 20	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3	HA: 8 ¹³	Emulex LP9002C-E; QLLogic QCP2202F-E-SP ²⁴	
24	Netra 20	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3	HA: 8 ²⁸	Emulex LP9002S-E	
25	Netra: 1120, 1125	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ^{2, 29}	HA: 8	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E)	See ^{3, 4, 5, 6}
26	Netra: 1120, 1125, 1400, 1405	Sun Solaris: 2.6, 7 ^{1, 8}	Veritas Cluster Server (VCS) 1.3	HA: 8 ¹³	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E)	See ^{3, 4, 5, 6}
27	Netra: 1120, 1125, 1400, 1405	Sun Solaris: 7 ^{1, 8}	Veritas Cluster Server (VCS) 1.3	HA: 8 ¹³	Emulex LP9002DC-E	See ^{4, 5, 6}
28	Netra: 1120, 1125, 1400, 1405	Sun Solaris: 7 ^{1, 8}	Veritas Cluster Server (VCS) 1.3	HA: 8 ¹³	Emulex LP9802-E	See ^{3, 4, 5, 6}
29	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁷ , 250, 30, 420R ⁷ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 6000, Enterprise 6500	Sun Solaris 7 ¹	Veritas Cluster Server (VCS) 1.1.2 ²	HA: 2	Emulex LP9002DC-E	See ^{4, 5, 6}
30	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁷ , 250, 30, 420R ⁷ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 6000, Enterprise 6500	Sun Solaris 7 ¹	Veritas Cluster Server (VCS) 1.1.2 ²	HA: 2	Emulex LP9802-E	See ^{3, 4, 5, 6}
31	Netra: 1120, 1125, 1400, 1405, T1; Ultra: 220R ⁷ , 250, 30, 420R ⁷ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 6000, Enterprise 6500	Sun Solaris: 2.6, 7 ¹	Veritas Cluster Server (VCS) 1.1.2 ²	HA: 2	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E)	See ^{3, 4, 5, 6}
32	Netra: 1120, 1125, 1400, 1405; Ultra: 30, 60, 80	Sun Solaris: 7 ^{1, 8}	Veritas Cluster Server (VCS) 2.0 ^{2, 25}	HA: 8	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9802-E	See ^{3, 4, 5, 6}
33	Netra: 1120, 1125, 1400, 1405; Ultra: 30, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 6000, Enterprise 6500	Sun Solaris: 7 ^{1, 8}	Veritas Cluster Server (VCS) 2.0 ^{2, 25}	HA: 8	Emulex LP9002DC-E	See ^{4, 5, 6}
34	Netra: 1120, 1125, 1400, 1405; Ultra: 30, 60, 80, Enterprise 3000, Enterprise 6000	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ^{2, 25}	HA: 8	Emulex: LP10000-E, LP10000DC-E	
35	Netra: 1120 ²⁰ , 1125 ²⁰	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ^{2, 29}	HA: 8	QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
36	Netra: 1120 ²⁰ , 1125 ²⁰ , 1400 ²⁰ , 1405 ²⁰ , T1; Ultra: 220R ⁷ , 250, 30, 420R ⁷ , 450, 60, 80, Enterprise 10000	Sun Solaris: 2.6, 7 ^{1, 8}	Sun Sun Cluster 2.2 ¹²	HA: 2	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
37	Netra: 1120 ²⁰ , 1125 ²⁰ , 1400 ²⁰ , 1405 ²⁰ , T1; Ultra: 220R ⁷ , 250, 30, 420R ⁷ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris: 7 ^{1, 8}	Sun Sun Cluster 2.2 ¹²	HA: 2	Emulex LP9002DC-E	See ^{4, 5, 6}
38	Netra: 1120 ²⁰ , 1125 ²⁰ , 1400 ²⁰ , 1405 ²⁰ , T1; Ultra: 220R ⁷ , 250, 30, 420R ⁷ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 4000, Enterprise 4500, Enterprise 5500, Enterprise 6000, Enterprise 6500	Sun Solaris: 7 ^{1, 8}	Sun Sun Cluster 2.2 ¹²	HA: 2	Emulex LP9802-E	See ^{3, 4, 5, 6}
39	Netra: 1280, 20; Sun Fire: 280R, 4810, V1280, V240, V480, V880	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3	HA: 8 ¹³	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E	See ^{3, 4, 5, 6}
40	Netra: 1405 ²⁰ , T1; Ultra: 220R ⁷ , 250, 30, 420R ⁷ , 450, 60, 80, Enterprise 10000	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ^{2, 29}	HA: 8	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E); QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
41	Sun Fire 3800	Sun Solaris 8	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	Emulex LP9002C-E; QLogic QCP2202F-E-SP ²⁴	See ^{3, 4, 5, 6}
42	Sun Fire 3800	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3	HA: 8 ¹³	Emulex LP9002C-E; QLogic QCP2202F-E-SP ²⁴	See ^{3, 4, 5, 6}
43	Sun Fire 3800	Sun Solaris 8	Veritas Cluster Server (VCS) 3.5 ⁸	HA: 8	Emulex LP9002C-E; QLogic QCP2202F-E-SP	See ^{3, 4, 5, 6}
44	Sun Fire 3800	Sun Solaris 8 Update 7 ¹⁰	Sun Sun Cluster 3.1 ^{33, 34}	HA: 4	Emulex LP9002C-E; QLogic QCP2202F-E-SP	See ^{3, 4, 5, 6}
45	Sun Fire 3800	Sun Solaris 8 ¹⁰	Sun Sun Cluster 3.0 Update 3 ^{21, 22}	HA: 4 ²³ OPS: 4 ²³ RAC: 4 ²³	Emulex LP9002C-E; QLogic QCP2202F-E-SP	See ^{3, 4, 5, 6}
46	Sun Fire 3800	Sun Solaris 8 ¹⁰	Veritas DBED/AC for 9iRAC 3.5 ^{2, 8, 16, 17, 18, 19}	RAC: 4 ^{14, 15}	Emulex LP8000-EMC ¹¹	
47	Sun Fire 3800	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{8, 9}	HA: 8	Emulex LP9002C-E; QLogic QCP2202F-E-SP	See ^{3, 4, 5, 6}
48	Sun Fire 3800	Sun Solaris 9 ³²	Sun Sun Cluster 3.0 Update 3 ^{22, 31}	HA: 4 ²³ OPS: 2 ^{23, 30} RAC: 2 ^{23, 30}	Emulex LP9002C-E; QLogic QCP2202F-E-SP	See ^{3, 4, 5, 6}
49	Sun Fire 3800	Sun Solaris 9 ³²	Sun Sun Cluster 3.1 ^{22, 35}	HA: 2	Emulex LP9002C-E; QLogic QCP2202F-E-SP	See ^{3, 4, 5, 6}
50	Sun Fire 3800	Sun Solaris: 8 ^{10, 9}	Veritas DBED/AC for 9iRAC 3.5 ^{2, 8, 16, 17, 18, 19}	RAC: 4 ^{14, 15}	Emulex LP9002C-E; QLogic QCP2202F-E-SP	See ^{3, 4, 5, 6}
51	Sun Fire 6800	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ^{2, 25, 26}	HA: 8	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic QCP2202F-E-SP ²⁴	See ^{3, 4, 5, 6}
52	Sun Fire: 12K, 15K	Sun Solaris 8	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS) 2.0 ^{2, 25, 26}	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E	See ^{4, 5, 6}
53	Sun Fire: 12K, 15K	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3	HA: 8 ¹³	Emulex: LP9002-E (LP9002L-E), LP9802-E	See ^{4, 5, 6}
54	Sun Fire: 12K, 15K	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ^{2, 26}	HA: 8	QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{4, 5, 6}
55	Sun Fire: 12K, 15K	Sun Solaris 8	Veritas Cluster Server (VCS) 3.5 ⁸	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{4, 5, 6}
56	Sun Fire: 12K, 15K	Sun Solaris 8 Update 7 ¹⁰	Sun Sun Cluster 3.1 ^{33, 34}	HA: 4	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{4, 5, 6}
57	Sun Fire: 12K, 15K	Sun Solaris 8 ¹⁰	Sun Sun Cluster 3.0 Update 3 ^{21, 22}	HA: 4 ²³ OPS: 4 ²³ RAC: 4 ²³	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{4, 5, 6}
58	Sun Fire: 12K, 15K	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{8, 9}	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{4, 5, 6}
59	Sun Fire: 12K, 15K	Sun Solaris 9 ³²	Sun Sun Cluster 3.0 Update 3 ^{22, 31}	HA: 4 ²³ OPS: 2 ^{23, 30} RAC: 2 ^{23, 30}	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{4, 5, 6}
60	Sun Fire: 12K, 15K	Sun Solaris 9 ³²	Sun Sun Cluster 3.1 ^{22, 35}	HA: 2	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{4, 5, 6}
61	Sun Fire: 12K, 15K	Sun Solaris: 8 ^{10, 9}	Veritas DBED/AC for 9iRAC 3.5 ^{2, 8, 16, 17, 18, 19}	RAC: 4 ^{14, 15}	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{4, 5, 6}
62	Sun Fire: 12K ³⁶ , 15K ³⁶	Sun Solaris 8	Legato Automated Availability Manager (LAAM) 5.0 (Base); Veritas Cluster Server (VCS): 2.0 ^{2, 25, 26, 3.5⁸}	HA: 8	Emulex LP9002DC-E	See ^{3, 4, 5, 6}
63	Sun Fire: 12K ³⁶ , 15K ³⁶	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3	HA: 8 ¹³	Emulex LP9002DC-E	See ^{3, 4, 5, 6}
64	Sun Fire: 12K ³⁶ , 15K ³⁶	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{8, 9}	HA: 8	Emulex LP9002DC-E	See ^{3, 4, 5, 6}
65	Sun Fire: 12K ³⁶ , 15K ³⁶	Sun Solaris: 8 ^{10, 9}	Veritas DBED/AC for 9iRAC 3.5 ^{2, 8, 16, 17, 18, 19}	RAC: 4 ^{14, 15}	Emulex LP9002DC-E	See ^{3, 4, 5, 6}
66	Sun Fire: 3800, 4800	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ^{2, 25, 26}	HA: 8	Emulex LP9002C-E; QLogic QCP2202F-E-SP ²⁴	See ^{3, 4, 5, 6}

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
67	Sun Fire: 4800, 4810	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ^{2, 26}	HA: 8	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
68	Sun Fire: 4800, 4810; Ultra Enterprise 4500	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ^{2, 26}	HA: 8	Emulex: LP10000-E, LP10000DC-E	
69	Sun Fire: 4800, 6800	Sun Solaris 8	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic: QCP2202F-E-SP ²⁴	See ^{3, 4, 5, 6}
70	Sun Fire: 4800, 6800	Sun Solaris 8	Veritas Cluster Server (VCS) 1.3	HA: 8 ¹³	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic: QCP2202F-E-SP ²⁴	See ^{3, 4, 5, 6}
71	Sun Fire: 4800, 6800	Sun Solaris 8	Veritas Cluster Server (VCS) 3.5 ⁸	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
72	Sun Fire: 4800, 6800	Sun Solaris 8 Update 7 ¹⁰	Sun Sun Cluster 3.1 ^{33, 34}	HA: 4	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9802-E; QLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
73	Sun Fire: 4800, 6800	Sun Solaris 8 ¹⁰	Sun Sun Cluster 3.0 Update 3 ^{21, 22}	HA: 4 ²³ OPS: 4 ²³ RAC: 4 ²³	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9802-E; QLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
74	Sun Fire: 4800, 6800	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{8, 9}	HA: 8	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
75	Sun Fire: 4800, 6800	Sun Solaris 9 ³²	Sun Sun Cluster 3.0 Update 3 ^{22, 31}	HA: 4 ²³ OPS: 2 ^{23, 30} RAC: 2 ^{23, 30}	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9802-E; QLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
76	Sun Fire: 4800, 6800	Sun Solaris 9 ³²	Sun Sun Cluster 3.1 ^{22, 35}	HA: 2	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002C-E, LP9802-E; QLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
77	Sun Fire: 4800, 6800	Sun Solaris: 8 ^{10, 9}	Veritas DBED/AC for 9iRAC 3.5 ^{2, 8, 16, 17, 18, 19}	RAC: 4 ^{14, 15}	Emulex: LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9802-E; QLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
78	Ultra Enterprise 10000	Sun Solaris 7 ¹	Veritas Cluster Server (VCS) 2.0 ^{2, 25}	HA: 8	Emulex LP9802-E	See ^{3, 4, 5, 6}
79	Ultra Enterprise 10000	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ^{2, 25, 26}	HA: 8	Emulex LP9802-E	See ^{3, 4, 5, 6}
80	Ultra Enterprise 10000 ²⁷	Sun Solaris 7 ¹	Veritas Cluster Server (VCS) 2.0 ^{2, 25}	HA: 8	Emulex LP9002S-E	See ^{3, 4, 5, 6}
81	Ultra Enterprise 10000 ²⁷	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ^{2, 25, 26}	HA: 8	Emulex LP9002S-E	See ^{3, 4, 5, 6}
82	Ultra Enterprise 10000 ²⁷	Sun Solaris: 7 ^{1, 8}	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	Emulex LP9002S-E	See ^{3, 4, 5, 6}
83	Ultra Enterprise 4500	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ^{2, 26}	HA: 8	Emulex: LP9002S-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
84	Ultra Enterprise 5500	Sun Solaris 8 ¹⁰	Veritas Cluster Server (VCS): 2.0 ^{2, 26, 3, 5, 8}	HA: 8	Emulex LP9002S-E	See ^{3, 4, 5, 6}
85	Ultra Enterprise 5500	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{8, 9}	HA: 8	Emulex LP9002S-E	See ^{3, 4, 5, 6}
86	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 8 Update 7 ¹⁰	Sun Sun Cluster 3.1 ^{33, 34}	HA: 4	Emulex LP9002S-E	See ^{3, 4, 5, 6}
87	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 8 ¹⁰	Sun Sun Cluster 3.0 Update 3 ^{21, 22}	HA: 4 ²³ OPS: 4 ²³ RAC: 4 ²³	Emulex LP9002S-E	See ^{3, 4, 5, 6}
88	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 9 ³²	Sun Sun Cluster 3.0 Update 3 ^{22, 31}	HA: 4 ²³ OPS: 2 ^{23, 30} RAC: 2 ^{23, 30}	Emulex LP9002S-E	See ^{3, 4, 5, 6}
89	Ultra Enterprise: 10000, 3500, 4500, 5500, 6500	Sun Solaris 9 ³²	Sun Sun Cluster 3.1 ^{22, 35}	HA: 2	Emulex LP9002S-E	See ^{3, 4, 5, 6}

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
90	Ultra Enterprise: 10000, 3500, 4500, 6500	Sun Solaris 8	Veritas Cluster Server (VCS) 3.5 ⁸	HA: 8	Emulex: LP9002S-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
91	Ultra Enterprise: 10000, 3500, 4500, 6500	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{8, 9}	HA: 8	Emulex: LP9002S-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
92	Ultra Enterprise: 10000, 3500, 4500, 6500	Sun Solaris: 8 ^{10, 9}	Veritas DBED/AC for 9iRAC 3.5 ^{2, 8, 16, 17, 18, 19}	RAC: 4 ^{14, 15}	Emulex: LP9002S-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
93	Ultra Enterprise: 10000, 3500, 6500	Sun Solaris: 7 ^{1, 8}	Veritas Cluster Server (VCS) 2.0 ^{2, 25}	HA: 8	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E)	See ^{3, 4, 5, 6}
94	Ultra Enterprise: 10000 ²⁷ , 3000, 3500, 6000, 6500	Sun Solaris 2.6	Veritas Cluster Server (VCS) 1.3	HA: 8 ¹³	Emulex LP9002S-E	See ^{3, 4, 5, 6}
95	Ultra Enterprise: 10000 ²⁷ , 3000, 3500, 6000, 6500	Sun Solaris: 7 ^{1, 8}	Veritas Cluster Server (VCS) 1.3	HA: 8 ²⁸	Emulex LP9002S-E	See ^{3, 4, 5, 6}
96	Ultra Enterprise: 10000 ²⁷ , 5000	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ^{2, 29}	HA: 8	Emulex LP9002S-E	See ^{3, 4, 5, 6}
97	Ultra Enterprise: 10000 ²⁷ , 5000	Sun Solaris: 2.6, 7 ^{1, 8}	Sun Sun Cluster 2.2 ¹²	HA: 2	Emulex LP9002S-E	See ^{3, 4, 5, 6}
98	Ultra Enterprise: 3000, 3500, 4000, 4500, 5500, 6000, 6500	Sun Solaris 2.6	Veritas Cluster Server (VCS) 2.0 ^{2, 29}	HA: 8	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002S-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
99	Ultra Enterprise: 3000, 3500, 4000, 4500, 5500, 6000, 6500	Sun Solaris: 2.6, 7 ^{1, 8}	Sun Sun Cluster 2.2 ¹²	HA: 2	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002S-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
100	Ultra Enterprise: 3000, 3500, 6000, 6500	Sun Solaris: 7 ^{1, 8}	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002S-E, LP9802-E	See ^{3, 4, 5, 6}
101	Ultra Enterprise: 3000, 6000	Sun Solaris: 7 ^{1, 8}	Veritas Cluster Server (VCS) 2.0 ^{2, 25}	HA: 8	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9002S-E, LP9802-E	See ^{3, 4, 5, 6}
102	Ultra Enterprise: 3500, 6500	Sun Solaris 7 ¹	Veritas Cluster Server (VCS) 2.0 ^{2, 25}	HA: 8	Emulex: LP9002S-E, LP9802-E	See ^{3, 4, 5, 6}
103	Ultra Enterprise: 3500, 6500	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ^{2, 25, 26}	HA: 8	Emulex: LP9002S-E, LP9802-E	See ^{3, 4, 5, 6}
104	Ultra: 220R ⁷ , 250, 30, 420R ⁷ , 450, 60, 80, Enterprise 10000	Sun Solaris: 7 ^{1, 8}	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	Emulex: LP8000-EMC ¹¹ , LP9002-E (LP9002L-E), LP9802-E	See ^{3, 4, 5, 6}
105	Ultra: 220R ⁷ , 250, 30, 420R ⁷ , 450, 60, 80, Enterprise 10000, Enterprise 3000, Enterprise 3500, Enterprise 6000, Enterprise 6500	Sun Solaris: 7 ^{1, 8}	Legato Automated Availability Manager (LAAM) 5.0 (Base)	HA: 8	Emulex LP9002DC-E	See ^{4, 5, 6}
106	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 7 ¹	Veritas Cluster Server (VCS) 2.0 ^{2, 25}	HA: 8	Emulex LP9002DC-E	See ^{4, 5, 6}
107	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 7 ¹	Veritas Cluster Server (VCS) 2.0 ^{2, 25}	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E	See ^{3, 4, 5, 6}
108	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 8	Veritas Cluster Server (VCS) 2.0 ^{2, 25, 26}	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E	See ^{3, 4, 5, 6}
109	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 8	Veritas Cluster Server (VCS) 3.5 ⁸	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
110	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 8	Veritas Cluster Server (VCS): 2.0 ^{2, 25, 26} , 3.5 ⁸	HA: 8	Emulex LP9002DC-E	See ^{4, 5, 6}
111	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 8 Update 7 ¹⁰	Sun Sun Cluster 3.1 ^{33, 34}	HA: 4	Emulex LP9002DC-E	See ^{4, 5, 6}
112	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 8 Update 7 ¹⁰	Sun Sun Cluster 3.1 ^{33, 34}	HA: 4	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
113	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 8 ¹⁰	Sun Sun Cluster 3.0 Update 3 ^{21, 22}	HA: 4 ²³ OPS: 4 ²³ RAC: 4 ²³	Emulex LP9002DC-E	See ^{4, 5, 6}
114	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 8 ¹⁰	Sun Sun Cluster 3.0 Update 3 ^{21, 22}	HA: 4 ²³ OPS: 4 ²³ RAC: 4 ²³	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
115	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{8, 9}	HA: 8	Emulex LP9002DC-E	See ^{4, 5, 6}
116	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 9	Veritas Cluster Server (VCS) 3.5 ^{8, 9}	HA: 8	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
117	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 9 ³²	Sun Sun Cluster 3.0 Update 3 ^{22, 31}	HA: 4 ²³ OPS: 2 ^{23, 30} RAC: 2 ^{23, 30}	Emulex LP9002DC-E	See ^{4, 5, 6}

Sun – Sun Solaris						
No.	Host System	Operating System	Cluster Software	Max # Nodes	Host Bus Adapter	Comments
118	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 9 ³²	Sun Sun Cluster 3.0 Update 3 ^{22, 31}	HA: 4 ²³ OPS: 2 ^{23, 30} RAC: 2 ^{23, 30}	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
119	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 9 ³²	Sun Sun Cluster 3.1 ^{22, 35}	HA: 2	Emulex LP9002DC-E	See ^{4, 5, 6}
120	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris 9 ³²	Sun Sun Cluster 3.1 ^{22, 35}	HA: 2	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}
121	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris: 7 ^{1, 8}	Veritas Cluster Server (VCS) 2.0 ^{2, 25}	HA: 8	Emulex LP8000-EMC ¹¹	See ^{3, 4, 5, 6}
122	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris: 8 ^{10, 9}	Veritas DBED/AC for 9iRAC 3.5 ^{2, 8, 16, 17, 18, 19}	RAC: 4 ^{14, 15}	Emulex LP9002DC-E	See ^{4, 5, 6}
123	Ultra: 220R ⁷ , 250, 420R ⁷ , 450	Sun Solaris: 8 ^{10, 9}	Veritas DBED/AC for 9iRAC 3.5 ^{2, 8, 16, 17, 18, 19}	RAC: 4 ^{14, 15}	Emulex: LP9002-E (LP9002L-E), LP9802-E; QLLogic: QLA2340-E-SP, QLA2342-E-SP	See ^{3, 4, 5, 6}

1. No OPS support for Solaris 7.
2. GAB disks (membership and service group heartbeat disks) are not supported.
3. FC-AL and FC-SW topologies can co-exist on the same server but not on the same HBA, provided that the different topologies are attached to different HBAs
4. FC-AL and FC-SW can run concurrently on separate HBAs on the same Host.
5. FC-SW applies only to CX600, CX400, FC4500 and FC4700
6. FC-AL for FC4700 requires Base Software or Access Logix 8.42.xx or higher.
7. 64-bit HBAs will not fit into the 32-bit slot due to a physical obstruction.
8. Supported with Powerpath 3.x configuration only. Native names only, no "power devices". Review the ESN topology guide section on Oracle DBED/AC case studies for configuration restrictions.
9. Supported with VCS 3.5 Maintenance Patch 1
10. Requires Solaris 8 update 7 or later.
11. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
12. Support for FC4500, FC4700 and FC5300, FC5500, FC5700.
13. Clusters with more than 4 nodes require VCS patch P2 and VxVM v3.1 patch P4
14. Review VERITAS Database Edition/Advanced Cluster 3.5 for Oracle9i RAC Release Notes for supported Oracle Database releases.
15. **Veritas MP2 is required for clusters with more than 2 servers**
16. Review the ESN Topology Guide section on Oracle DBED/AC Case Studies for configuration restrictions.
17. If all FC connectivity to the array is lost (without a server shutdown), then after connectivity is restored, the user must execute a vxctl enable command, before the VCS Oracle 9iRAC service group is brought back online.
18. If running direct attach (FC-AL), host MUST be connected to both SPs and PowerPath is required. Refer to EMC Topology Guide for more details.
19. Requires Symmetrix 8000 Series, PowerPath 3.0.4 or later, VxVM 3.5 or later or Solstice Disk Suite (SDS) 4.2.1.
Supported with Microcode 5568.52.18
5567 code revisions supported are 5567.46.24 or 5567.53.30. 5567.53.30 requires the PGR Phase 4 E-pack.
Symmetrix "PER" volume flag for Persistent Reservation support for devices accessible through more than two paths.
20. Supported with VCS only.
21. Solaris 8:
Requires PowerPath 3.0.4.
Support for Veritas Volume Manager VxVM 3.2 with Patch 04 and SDS 4.2.1 with patch 108693-16 or later.
22. Core software minimum requirement with CX600
Array software – Access Logix 02.05.1.60.5.009
Array software – Non-Access Logix 02.05.0.60.5.009
CX400
Array software – Access Logix 02.05.1.40.5.008
Array software – Non-Access Logix 02.05.0.40.5.008
23. OPS, RAC, or greater than 2-node HA are supported with FC-SW only.
24. See the EMC price book for HBA vendor ordering information. This HBA is not sold by EMC.
25. Supported on CX600, CX400, FC4500, FC4700 Only
26. Review single attach VxVM notes for PowerPath and DMP coexistence rules and restrictions.
27. Dynamic Reconfiguration is supported (Enterprise 10000 SBus only); requires ATF v3.1.2 or higher.
28. Cluster with more than 4 nodes requires VCS patch P2 and VxVM v3.1 patch P4
29. Please review Veritas support pages for latest patch information.
30. **Requires patches 112563-10 or later, and 114176-02 or later.**
31. Solaris 9:
Requires PowerPath 3.0.4.
Support for Veritas Volume Manager VxVM 3.2 (Patch 04 required) and Solaris Volume Manager.
32. **EMC required Sun patches for Solaris 9:**
112233-08 Sun OS 5.9: kernel patch
112834-03 Sun OS 5.9: patch SCSI
113277-17 Sun OS 5.9: sd and ssd patch
33. Requires PowerPath 3.0.4.
Supported only on VxVM 3.2 P04, VxVM 3.5 MP1 or later, and SDS 4.2.1 with patch 108693-16 or later.
34. Core software minimum requirement with CX600
Array software – Access Logix 02.05.1.60.5.009
Array software – Non-Access Logix 02.05.0.60.5.009
CX400
Array software – Access Logix 02.05.1.40.5.008
Array software – Non-Access Logix 02.05.0.40.5.008
- Solaris 9:
Requires PowerPath 4.0.3
Support for Veritas Volume Manager VxVM 3.2 (Patch 04 required) and Solaris Volume Manager.
- Solaris 8:
Requires PowerPath 4.0.3.
Support for Veritas Volume Manager VxVM 3.2 with Patch 04 and SDS 4.2.1 with patch 108693-16 or later.
35. Requires PowerPath 3.0.4.
Supported only on VxVM 3.5 MP1 or later and SVM.
36. **Use of the LP9002DC or QLA2342 requires FCO A0218-1 from Sun for HBA's to operate in 66mhz mode. Without this FCO the HBA's will only come up in 33mhz mode which could have an impact on performance.**

Fibre Connectivity: Hub

Please refer to the Cables and Connectors section for more information. Please refer to the Base Connectivity Interoperability Application for details concerning kernel versions, minimum driver and BIOS / firmware revisions. Fanout represents the maximum initiators (host adapters) per array port. Fanin represents the number of array ports visible to a single initiator (host adapter). In arbitrated loop environments, these numbers represent the maximum initiators per loop. In switch environments, these numbers are achieved through Zoning. For further details on Fanin/Fanout, see the Connectrix Enterprise Storage Network Planning Guide, EMC Networked Storage Topology Guide, and CLARiiON Open Systems Configuration Guide. For Switch Firmware levels and other fabric parameters, see Switched Fabric Topology parameters.

HPQ HP-UX

HPQ HP-UX								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	HPQ HP-UX 11.0: 990P ¹ , ACE ¹ ; HPQ HP-UX: 11.0 ¹ , 11i v1.0 (HP-UX 11.11) ¹	HPQ: A3404A, A3591B, A3740A, A5158A, A6684A, A6685A, A6795A ⁵	Gadzoox FCL1063TW; HPQ: A3724A/AZ ⁴ , A4839A/AZ ⁴	1	32	1024 ² , 512 ³	256	128

- For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
- CX600
- CX400
- HP optical Hubs (HP models A3724A and A4839A) have been qualified, but are not sold by EMC.
- As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)
L2000 (product number A5191A)
N4000 Revision A (product number A3639A)
N4000 Revision B (product number A3639B)

IBM AIX

IBM AIX								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	IBM AIX: 4.3.3, 5.1	IBM: 6227, 6228	Gadzoox FCL1063TW	4	32	1024 ² , 512 ¹	256	1024, 512

- CX400
- CX600

Microsoft Windows 2000

Microsoft Windows 2000								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	Microsoft Windows 2000 Advanced Server: SP2 ^{1,2} , SP3 ^{1,2} ; Microsoft Windows 2000 Server: SP2 ^{1,2} , SP3 ^{1,2}	Emulex: LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Gadzoox FCL1063TW	4	32	1024 ³ , 512 ⁴	223, 256	128
2	Microsoft Windows 2000 Datacenter: SP2 ^{1,2} , SP3 ^{1,2} , SP4 ¹	Emulex: LP10000-E, LP10000DC-E	Gadzoox FCL1063TW	4	32	1024 ³ , 512 ⁴	223, 256	128
3	Microsoft Windows 2000: Advanced Server SP4 ¹ , Server SP4 ¹	Emulex: LP10000-E, LP10000DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	Gadzoox FCL1063TW	4	32	1024 ³ , 512 ⁴	223, 256	128

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
- CX600
- CX400
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Microsoft Windows NT

Microsoft Windows NT								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ² , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP9802); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Gadzoos FCL1063TW ³	4	32	1024 ⁵ , 512 ⁴	223, 256	128

- EMC recommends that HBAs of different vendors not be used in the same host server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- No support for Fibre Channel Hubs on AViiON servers.
- CX400**
- CX600**

Novell Netware

Novell Netware								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	Novell Netware 5.10: SP5 ¹ , SP6; Novell Netware 6.0: SP1 ¹ , 4, SP2 ¹ , 4, SP3 ⁴ ; Novell Netware 6.5 ⁴ , 5	QLogic: QLA2310F-E-SP, QLA2340-E-SP	Gadzoos FCL1063TW	4	32	1024 ² , 512 ³	223, 256	128

- Maximum number of NWFS volumes that can be mounted is 64.
- CX600**
- CX400**
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.

Red Hat Linux

Red Hat Linux								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	Red Hat Linux 2.1 Advanced Server v2.4.9-e.25 ¹	Emulex: LP9002-E (LP9002L-E) ^{10, 12, 13, 14} , LP9002DC-E ^{3, 10, 13, 14, 15} , LP9802-E ^{10, 13, 14, 15} , LP9802DC-E ^{10, 13, 14, 15} , LP982-E ^{3, 10, 13, 15, 16}	Gadzoos FCL1063TW	4	32	1024 ⁵ , 512 ⁴	128	128
2	Red Hat Linux 2.1 Advanced Server v2.4.9-e.10 ^{1, 6} , v2.4.9-E.121 ⁸ , v2.4.9-E.161 ⁶ , v2.4.9-E.31 ² , v2.4.9-E.91 ⁶ , Red Hat Linux 2.1 ES: v2.4.9-e.121 ⁶ , v2.4.9-e.161 ⁶	QLogic: QLA2200F-EMC ³ , QLA2310F-E-SP ³ , QLA2340-E-SP ³	Gadzoos FCL1063TW	4	32	1024 ⁵ , 512 ⁴	128	128
3	Red Hat Linux 2.1 ES v2.4.9-e.25 ¹	Emulex LP1050DC-E ^{3, 10, 13, 14, 15}	Gadzoos FCL1063TW	4	32	1024 ⁵ , 512 ⁴	1238	128
4	Red Hat Linux 2.1 ES v2.4.9-e.25 ¹	Emulex: LP10000-E ^{3, 10, 13, 14, 15} , LP10000DC-E ^{3, 10, 13, 14, 15} , LP1050-E ^{3, 10, 13, 14, 15} , LP9002-E (LP9002L-E) ^{10, 12, 13, 14} , LP9002DC-E ^{3, 10, 13, 14, 15} , LP9802-E ^{10, 13, 14, 15} , LP9802DC-E ^{10, 13, 14} , LP982-E ^{3, 10, 13, 15, 16}	Gadzoos FCL1063TW	4	32	1024 ⁵ , 512 ⁴	128	128
5	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ^{1, 7} , ES v2.4.9-e.24 ^{1, 7}	Emulex: LP9002-E (LP9002L-E) ^{10, 12, 13, 14} , LP9002DC-E ^{3, 10, 13, 14, 15} , LP9802DC-E ^{10, 13, 14} , LP982-E ^{3, 10, 13, 15, 16} ; QLogic: QLA2200F-EMC ^{3, 8, 9, 10} , QLA2310F-E-SP ^{3, 9, 10, 11} , QLA2340-E-SP ^{3, 9, 11}	Gadzoos FCL1063TW	4	32	1024 ⁵ , 512 ⁴	128	128
6	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ¹ , ES v2.4.9-e.24 ¹	Emulex LP9802-E ^{10, 13, 14, 15}	Gadzoos FCL1063TW	4	32	1024 ⁵ , 512 ⁴	128	128
7	Red Hat Linux 2.1: Advanced Server v2.4.9-e.25 ^{1, 7} , ES v2.4.9-e.25 ^{1, 7}	QLogic: QLA2200F-EMC ^{3, 8, 9, 10} , QLA2310F-E-SP ^{3, 9, 10, 11} , QLA2340-E-SP ^{3, 9, 11}	Gadzoos FCL1063TW	4	32	1024 ⁵ , 512 ⁴	128	128
8	Red Hat Linux 7.3 updated to v2.4.20-20.7 ¹	Emulex: LP10000DC-E, LP9002DC-E, LP9802-E; QLogic: QLA2200F-EMC ³ , QLA2310F-E-SP ³ , QLA2340-E-SP ³	Gadzoos FCL1063TW	4	32	1024 ⁵ , 512 ⁴	128	128
9	Red Hat Linux 8.0 updated to v2.4.20-20.8 ¹	Emulex: LP9002-E (LP9002L-E) ^{10, 12, 13, 14} , LP9002DC-E ^{3, 10, 13, 14, 15} , LP9802-E ^{3, 10, 13, 14, 15} , LP9802DC-E ^{3, 10, 13, 14, 15}	Gadzoos FCL1063TW	4	32	1024 ⁵ , 512 ⁴	128	128

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Supported with QLogic driver v6.05.00.
- Single HBA zoning is required regardless of the switch being utilized.
- CX400**
- CX600**
- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**

SGI IRIX

SGI IRIX								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	SGI IRIX: 6.5.11, 6.5.12	SGI PCI-FC-1P-OPT-A	Gadzoos FCL1063TW	4	32	1024 ¹ , 512 ²	256	1024, 512
2	SGI IRIX: 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B	Gadzoos FCL1063TW	4	32	1024 ¹ , 512 ²	256	1024, 512

1. CX600
2. CX400

SuSE Linux

SuSE Linux								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1,2}	Emulex LP1050DC-E ^{3,4,10,11,16}	Gadzoos FCL1063TW	4	32	1024 ⁷ , 512 ⁸	1238	128
2	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1,2}	Emulex: LP10000-E ^{3,4,5,10,11} , LP10000DC-E ^{3,4,5,10,11} , LP1050-E ^{3,4,10,11,16} , LP9002-E (LP9002L-E) ^{3,4,5,10,11,14} , LP9002DC-E ^{3,4,5,10,11,12,13} , LP9802-E ^{3,4,5,10,11} , LP9802DC-E ^{3,4,5,10,11,12,13} , LP982-E ^{3,4,10,11,15} , QLogic: QLA2200F-EMC ^{3,4,5,6} , QLA2310F-E-SP ^{3,4,5,9} , QLA2340-E-SP ^{3,5,9}	Gadzoos FCL1063TW	4	32	1024 ⁷ , 512 ⁸	128	128

1. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPO.
2. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
3. Single HBA zoning is required regardless of the switch being utilized.
4. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
5. QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.
6. Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
7. CX600
8. CX400
9. Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
10. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
11. Emulex driver and BIOS available from http://www.emulex.com.
12. Use the boot option "acpi=oldboot" in SuSE SLES8 SMP configurations with the LP9802DC-E and LP9002DC-E adapters
13. Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
14. The LP9002-E now ships with the LP9002L-E low profile adapter.
15. QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.
16. QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.

Sun Solaris

Sun Solaris								
No.	Operating System	Host Bus Adapter	Hub	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Luns/Loop
1	Sun Solaris 2.6	Emulex: LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002S-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	Gadzoos FCL1063TW	4	32	1024 ¹ , 512 ²	256	128
2	Sun Solaris 7	Emulex: LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002S-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	Gadzoos FCL1063TW	4	32	1024 ¹ , 512 ²	256	128
3	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; QLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Sun: X6767A (SG-XPCI1FC-QF2), X6768A (SG-XPCI2FC-QF2)	Gadzoos FCL1063TW	4	32	1024 ¹ , 512 ²	256	128
4	Sun Solaris 9	Emulex: LP10000-E, LP10000DC-E, LP9002C-E, LP9002DC-E, LP9802-E; QLogic QCP2202F-E-SP	Gadzoos FCL1063TW	4	32	1024 ¹ , 512 ²	256	128

1. CX600
2. CX400
3. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

Fibre Connectivity: Switch

Fanout represents the maximum initiators (host adapters) per array port. Fanin represents the number of array ports visible to a single initiator (host adapter). In arbitrated loop environments, these numbers represent the maximum initiators per loop. In switch environments, these numbers are achieved through Zoning. For further details on Fanin/Fanout, see the Connectrix Enterprise Storage Network Planning Guide, EMC Networked Storage Topology Guide, and CLARiiON Open Systems Configuration Guide. For Switch Firmware levels and other fabric parameters, see Switched Fabric Topology parameters.

DG DG/UX

DG DG/UX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	DG DG/UX R4.20MU07	Emulex LP8000-F1	Brocade Silkstorm: 2400, 2800, 6400; EMC Connectrix: DS-16B2 ⁴ , DS-16B ³ , DS-8B	6	32	1024 ¹ , 512 ²	256	N

1. CX600
2. CX400
3. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- 4.

EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

EMC NAS

EMC NAS								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	EMC NAS: 4.1.12, 4.1.4, 4.1.8, 4.2.11, 4.2.18, 4.2.22, 4.2.5	EMC: 201-712-900, 250-734-902, 250-735-900, 250-736-900	Brocade Silkworm: 2400, 2800, 3200, 3800, 6400; EMC Connectrix: DS-16B2 ^{5, 6} , DS-16B ³ , DS-16M2, DS-24M2, DS-32M2, DS-8B2, ED-1032 ⁴ , ED-140M, ED-64M; Fujitsu Siemens PSFS-B161; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	8	32	1024 ¹ , 512 ²	40	N
2	EMC NAS: 5.0.11, 5.0.9, 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC integrated ⁷	Brocade Silkworm: 2400, 2800, 3200, 3800, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{5, 6} , DS-16B ³ , DS-16M2, DS-24M2, DS-32M2, DS-8B2, ED-1032 ⁴ , ED-140M, ED-64M; Fujitsu Siemens PSFS-B161; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	8	32	255	4096	N
3	EMC NAS: 5.0.11, 5.0.9, 5.1.15, 5.1.18, 5.1.19, 5.1.9	EMC: 201-712-900, 250-734-902, 250-735-900, 250-736-900	Brocade Silkworm: 2400, 2800, 3200, 3800, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{5, 6} , DS-16B ³ , DS-16M2, DS-24M2, DS-32M2, DS-8B2, ED-1032 ⁴ , ED-140M, ED-64M; Fujitsu Siemens PSFS-B161; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	8	32	1024 ¹ , 512 ²	40	N

1. CX600
2. CX400
3. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
4. Firmware 4.00.00 or later required.
5. Firmware 3.02a or later required.
6. EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
7. Integrated controllers on NS600G series

HPQ HP-UX

HPQ HP-UX									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
1	HPQ HP-UX 11.0 990P ¹	HPQ A5158A	EMC Connectrix DS-8B2 ²¹	4	32	1024 ⁷ , 512 ⁶	320, 512	Y	See ²⁰
2	HPQ HP-UX 11.0 990P ¹	HPQ A6795A ¹³	EMC Connectrix DS-8B2 ²¹	4	32	1024 ⁷ , 512 ⁶	256, 320 ²² , 512 ^{23, 24}	Y	See ²⁰
3	HPQ HP-UX 11.0 ACE ¹	HPQ A6684A	EMC Connectrix DS-8B2 ²¹	4	32	1024 ⁷ , 512 ⁶	256, 320 ^{22, 25, 26} , 512 ^{23, 24, 27, 28}	Y	See ²⁰
4	HPQ HP-UX 11.0 ACE ¹	HPQ A6685A	EMC Connectrix DS-8B2 ²¹	4	32	1024 ⁷ , 512 ⁶	256, 320 ²⁶ , 512 ^{24, 27}	Y	See ²⁰
5	HPQ HP-UX 11.0 Dec 2002 ¹	HPQ: A6684A, A6685A	Cisco MDS 9509 ¹⁷	4	32	1024 ⁷ , 512 ⁶	512	Y	See ¹⁵
6	HPQ HP-UX 11.0 Sept 2001 ¹	HPQ A5158A	Cisco MDS: 9216 ³² , 9509 ³²	12	32	1024 ⁷ , 512 ⁶	320 ³³ , 512	Y	
7	HPQ HP-UX 11.0 Sept 2001 ¹	HPQ A5158A ¹⁶	Cisco MDS 9216 ¹⁷	4	32	1024 ⁷ , 512 ⁶	256	Y	See ¹⁵
8	HPQ HP-UX 11.0: 990P ¹ , ACE ¹	HPQ: A3404A, A3591B, A3740A, A5158A, A6684A, A6685A, A6795A ¹³	Brocade Silkworm: 12000 ¹⁴ , 2400 ^{2, 3, 8} , 2800 ^{2, 3, 8} , 3200 ^{8, 9, 14} , 3800 ^{8, 9, 14} , 3900 ^{9, 14} , 6400 ^{8, 9, 14} ; EMC Connectrix: DS-16B2 ^{8, 9, 10, 11} , DS-16B ^{2, 3, 4, 5} , DS-16M2 ⁸ , DS-24M2 ⁸ , DS-32B2 ^{8, 12} , DS-32M2 ⁸ , DS-8B2 ^{2, 3, 8} , ED-1032 ⁸ , ED-12000B ^{12, 14} , ED-140M, ED-64M ⁸ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	32	1024 ⁷ , 512 ⁶	256	Y	

HPQ HP-UX									
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing	Comments
9	HPQ HP-UX 11.0 ¹	HPQ: A3404A, A3591B, A3740A, A5158A, A6684A, A6685A, A6795A ¹³	Brocade Silkworm: 12000, 2400 ^{2, 3, 8} , 2800 ^{2, 3, 8} , 3200, 3800, 3900, 6400 ^{8, 9, 14} ; EMC Connectrix: DS-16B ^{2, 10, 11} , DS-16B ^{2, 3, 4, 5} , DS-16M ² , DS-24M ² , DS-32B ^{2, 12} , DS-32M ² , DS-8B ^{2, 3, 8} , ED-1032, ED-12000B ^{12, 14} , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	32	1024 ⁷ , 512 ⁶	256	Y	
10	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Dec 2002 ¹	HPQ A6795A ^{13, 18}	Cisco MDS 9216 ¹⁷	4	32	1024 ⁷ , 512 ⁶	256	Y	See ¹⁵
11	HPQ HP-UX 11i v1.0 (HP-UX 11.11) Dec 2002 ¹	HPQ A6795A ^{13, 19}	Cisco MDS 9509 ¹⁷	4	32	1024 ⁷ , 512 ⁶	256	Y	See ¹⁵
12	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2003 ^{1, 29}	HPQ A6826A	Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400	4	32	1024 ⁷ , 512 ⁶	512	Y	
13	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2003 ^{1, 29}	HPQ A6826A ³⁰	EMC Connectrix: DS-16B ^{2, 10, 11} , DS-16B ^{4, 5} , DS-16M, DS-16M ² , DS-24M ² , DS-32B ^{2, 12} , DS-32M, DS-32M ² , DS-8B, DS-8B ² , ED-1032, ED-12000B ¹² , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	4	32	1024 ⁷ , 512 ⁶	512	Y	
14	HPQ HP-UX 11i v1.0 (HP-UX 11.11) March 2003 ^{1, 29}	HPQ A9782A ³⁰	EMC Connectrix: DS-16B ^{2, 10, 11} , DS-16B ^{4, 5} , DS-16M, DS-16M ² , DS-24M ² , DS-32B ^{2, 12} , DS-32M, DS-32M ² , DS-8B, DS-8B ² , ED-1032, ED-12000B ¹² , ED-140M, ED-64M	4	32	1024 ⁷ , 512 ⁶	512	Y	
15	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ A3740A	Brocade Silkworm: 12000, 2400 ^{2, 3, 8} , 2800 ^{2, 3, 8} , 3200, 3800, 3900, 6400 ^{8, 9, 14} ; EMC Connectrix: DS-16B ^{2, 8, 9, 10, 11} , DS-16B ^{2, 3, 4, 5} , DS-16M ^{2, 8} , DS-24M ^{2, 8} , DS-32B ^{2, 8, 12} , DS-32M ^{2, 8} , DS-8B ^{2, 3, 8} , ED-1032 ⁸ , ED-12000B ^{12, 14} , ED-140M, ED-64M ⁸ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	32	1024 ⁷ , 512 ⁶	256	Y	
16	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ A6826A ^{30, 31}	Cisco MDS: 9216 ³² , 9509 ³²	4	32	1024 ⁷ , 512 ⁶	512	Y	
17	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ: A3404A, A3591B, A5158A, A6684A, A6685A, A6795A ¹³	Brocade Silkworm: 12000, 2400 ^{2, 3, 8} , 2800 ^{2, 3, 8} , 3200, 3800, 3900, 6400 ^{8, 9, 14} ; EMC Connectrix: DS-16B ^{2, 10, 11} , DS-16B ^{2, 3, 4, 5} , DS-16M ² , DS-24M ² , DS-32B ^{2, 12} , DS-32M ² , DS-8B ^{2, 3, 8} , ED-1032, ED-12000B ^{12, 14} , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	32	1024 ⁷ , 512 ⁶	256	Y	
18	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ: A5158A, A6795A ¹³	EMC Connectrix DS-8B ^{2, 21}	4	32	1024 ⁷ , 512 ⁶	512	Y	
19	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ¹	HPQ: A6684A, A6685A	EMC Connectrix DS-8B ^{2, 21}	4	32	1024 ⁷ , 512 ⁶	256, 320 ^{22, 25, 26} , 512 ^{23, 24, 27, 28}	Y	See ²⁰
20	HPQ HP-UX: 11.0 Sept 2001 ¹ , 11i v1.0 (HP-UX 11.11) ¹	HPQ A6795A ^{13, 19}	Cisco MDS 9509 ¹⁷	4	32	1024 ⁷ , 512 ⁶	256	Y	

- For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
- Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
- Requires at least v5.11.09 of FC5700 Core Software (a.k.a. Flare), v5.32.01 of FC4500 Core Software or v5.24.00 of FC5300 Core Software.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- Switch support can be QuickLoop dedicated to any HP hosts in table titled "Clarion CX600/CX400 Base Connectivity" or heterogeneous fabric with HP FC-SW (fabric) hosts in that table. For FC4700, one port on each SP may be used for QuickLoop when the other port is used for FC-SW. QuickLoop support requires chargeable model DSBQLP-0D.
- CX400
- CX600
- Switch support can be QuickLoop dedicated to any HP hosts in Table 84 on page 226 or heterogeneous fabric with HP FC-SW (fabric) hosts in that table. For FC4700, one port on each SP may be used for QuickLoop when the other port is used for FC-SW. QuickLoop support requires chargeable model DSBQLP-0D.
- FC4700-2 supported at 1 Gb and 2 Gb.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- QuickLoop is not supported with Brocade 3900/12000 or ED-12000B.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)

L2000 (product number A5191A)

N4000 Revision A (product number A3639A)

N4000 Revision B (product number A3639B)

- QuickLoop is not supported with Brocade 3200/3800/12000 or DS-16B2, ED-12000B.

- NDU Release 11

- Supported Server model: rp5470 PDC 42.06

- During initial switch configuration with fw 1.2 or earlier, in an HP-UX environment, the Persistent FC IDs must be enabled on the Vsan that contains any HP HBAs. The N_Port Area IDs must be manually configured to be unique, static, and persistent on the Vsan that contains any HP HBAs, the target storage array's N_Port ID must also be set to persistent and static. See MDS 9000 Family Configuration Guide for details.

- Supported server model: rp7410 PDC 16.009

- Minimum PDC firmware to support external boot with the RP7410.

- Supported on CX600, CX400 and FC4700-2 only.

- The 200-561-9XX, and 200-563-9XX FA director families support a total of 256 LUNs per FA port. (Hewlett Packard Alpha Tru64 supports 255 LUNs.)

- Maximum of 320 visible LUNs per hba supported with HP-UX 11.0 HA configurations

23. Maximum of 512 visible LUNs per hba supported with HP-UX 11i v1.0 (HP-UX 11.11) HA and non-HA configurations
24. Maximum of 512 visible LUNs per hba supported with HP-UX 11.0 non-HA configurations
25. Maximum of 320 visible LUNs per hba supported with HP-UX 10.20 HA configurations.
26. Maximum of 320 visible LUNs per hba supported with HP-UX 11.0 HA configurations.
27. Maximum of 512 visible LUNs supported with HP-UX 11.0 non-HA configurations
28. Maximum of 512 visible LUNs per hba supported with HP-UX 10.20 non-HA configurations
29. See HBA for min Driver version
30. Required Patch PHKL_28569, PHKL_26938 and 2port 2Gig driver version 11.11.01.
31. **Host must be configured as a 64Bit operating system.**
32. **During initial switch configuration with firmware 1.2 or earlier, in an HP-UX environment, the Persistent FC IDs must be enabled on the Vsan that contains any HP HBAs. The N_Port Area IDs must be manually configured to be unique, static, and persistent on the Vsan that contains any HP HBAs. The target storage array's N_Port ID must also be set to persistent and static. See MDS9000 Family Configuration Guide for details.**
33. **HP-UX 11.0 HA**

HPQ Tru64 UNIX

HPQ Tru64 UNIX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	HPQ Tru64 UNIX V5.0A	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800 ⁹ , 3900, 6400; EMC Connectrix: DS-16B2 ^{5,6} , DS-16B ⁴ , DS-16M2, DS-24M2, DS-32B2 ⁷ , DS-32M2, DS-8B, DS-8B2 , ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300⁹ , ES-4500	4	32	1024 ² , 512 ¹	255 ³	Y
2	HPQ Tru64 UNIX V5.1	HPQ: FCA2354 (LP9002) , KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800 ⁹ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{5,6} , DS-16B ⁴ , DS-16M2, DS-24M2, DS-32B2 ⁷ , DS-32M2, DS-8B, DS-8B2 , ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300⁹ , ES-4500	4	32	1024 ² , 512 ¹	255 ³	Y
3	HPQ Tru64 UNIX: V5.1A, V5.1B⁸	HPQ: FCA2354 (LP9002) , FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800 ⁹ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{5,6} , DS-16B ⁴ , DS-16M2, DS-24M2, DS-32B2 ⁷ , DS-32M2, DS-8B, DS-8B2 , ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300⁹ , ES-4500	4	32	1024 ² , 512 ¹	255 ³	Y

1. **CX400**
2. **CX600**
3. CX600/CX400: 255 LUNs/HBA — FC4700 223 LUNs/HBA
4. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
5. Firmware v3.0.2d or later is required with the DS-16B2 switch.
6. EMC DS-16B2 for "Extended Fabric License" , use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
7. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
8. **Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).**
9. **Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)**

IBM AIX

IBM AIX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	IBM AIX: 4.3.3, 5.1, 5.2	IBM: 6227, 6228	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2⁷ , DS-16B ³ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B, DS-8B2⁸ , ED-1032 ^{5,6} , ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3032, ES-3216, ES-3232, ES-4500	4	32	1024 ² , 512 ¹	256 luns	Y
2	IBM AIX: 5.1, 5.2	IBM 6239	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2⁷ , DS-16B ³ , DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M2, DS-8B, DS-8B2⁸ , ED-1032 ^{5,6} , ED-12000B ⁴ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	32	1024 ² , 512 ¹	256, 512	Y
3	IBM AIX: 5.1, 5.2	IBM: 6227, 6228	Cisco MDS: 9216, 9509; EMC Connectrix: DS-16M, DS-32M, DS-8B2⁸ ; McDATA ES-3032	4	32	1024 ² , 512 ¹	512	Y

1. **CX400**
2. **CX600**
3. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
4. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
5. ED-64 and ED-1032 not supported for FC5300.
6. Multipath support or connections to the secondary port are not supported at this time.
7. EMC DS-16B2 for "Extended Fabric License" , use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- 8.

The 200-561-9XX, and 200-563-9XX FA director families support a total of 256 LUNs per FA port. (Hewlett Packard Alpha Tru64 supports 255 LUNs.)

Microsoft Windows 2000

Microsoft Windows 2000								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Microsoft Windows 2000 Advanced Server SP3 ^{1, 2}	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁶ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ¹¹ , Optical Pass-thru Module 02R9080 ^{12, 13} ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ⁵ , 2800 ⁵ , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁹ , DS-16B ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁷ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁵ , ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁴ , ES-4500	4	32	1024 ⁴ , 512 ³	223, 256	Y
2	Microsoft Windows 2000 Advanced Server SP3 ^{1, 2}	Unisys FCH732213-P64 (LP9002L-F2)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁹ , DS-16B ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁷ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹⁴ , ES-4500	4	32	1024 ⁴ , 512 ³	256	Y
3	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP8000-EMC ⁶ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; IBM 00N6881 (QLA2200) ¹⁰ ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1), FCH732213-P64 (LP9002L-F2)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁹ , DS-16B ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁷ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹⁴ , ES-4500	4	32	1024 ⁴ , 512 ³	256	Y
4	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹ ; Microsoft Windows 2000 Server: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	QLogic QLA2300F-E-SP	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁹ , DS-16B ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁷ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹⁴ , ES-4500	4	32	1024 ⁴ , 512 ³	256	Y
5	Microsoft Windows 2000 Datacenter: SP2 ^{1, 2} , SP3 ^{1, 2} , SP4 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982)	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁹ , DS-16B ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁷ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹⁴ , ES-4500	4	32	1024 ⁴ , 512 ³	223, 256	Y

Microsoft Windows 2000								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
6	Microsoft Windows 2000: Advanced Server SP2 ^{1, 2} , Server SP2 ^{1, 2} , Server SP3 ^{1, 2}	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ¹¹ , Optical Pass-thru Module 02R9080 ^{12, 13}	Brocade Silkworm: 12000, 2400 ⁵ , 2800 ⁵ , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁹ , DS-16B ^{5, 8} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁷ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁵ , ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹⁴ , ES-4500	4	32	1024 ⁴ , 512 ³	223, 256	Y
7	Microsoft Windows 2000: Advanced Server SP2 ^{1, 2} , Server SP2 ^{1, 2} , Server SP3 ^{1, 2}	Emulex: LP8000-EMC ⁶ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ⁵ , 2800 ⁵ , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁹ , DS-16B ^{5, 8} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁷ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁵ , ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁴ , ES-4500	4	32	1024 ⁴ , 512 ³	223, 256	Y
8	Microsoft Windows 2000: Advanced Server SP4 ¹ , Server SP4 ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ¹¹ , Optical Pass-thru Module 02R9080 ^{12, 13}	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁹ , DS-16B ⁸ , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁷ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁷ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ¹⁴ , ES-4500	4	32	1024 ⁴ , 512 ³	223, 256	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
 - Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
 - CX400
 - CX600
 - Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
 - The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
 - EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
 - EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
 - EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
 - (QLA2200) For IBM xSeries and Netfinity servers only.
 - Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
 - When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"
- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
 - Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Microsoft Windows 2003

Microsoft Windows 2003								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Microsoft Windows 2003 64-Bit DataCenter	Emulex LP982-E; QLogic QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B2 ⁶ , DS-16B ^{2, 7} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁵ , DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁴ , ES-4500	4	32	1024 ⁴ , 512 ³	223, 256	Y

Microsoft Windows 2003								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
2	Microsoft Windows 2003 64-Bit DataCenter	NEC: NT2007A-A001 ¹⁰ , NT2010A-A001 ⁹	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B ⁶ , DS-16B ^{2,7} , DS-16M, DS-16M2, DS-24M2, DS-32B ⁵ , DS-32M, DS-32M2, DS-8B ² , ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁴ , ES-4500	4	32	1024 ⁴ , 512 ³	256	Y
3	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	Emulex: LP9802-E, LP9802DC-E, LP982-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B ⁶ , DS-16B ^{2,7} , DS-16M, DS-16M2, DS-24M2, DS-32B ⁵ , DS-32M, DS-32M2, DS-8B ² , ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁴ , ES-4500	4	32	1024 ⁴ , 512 ³	223, 256	Y
4	Microsoft Windows 2003 64-Bit: Enterprise Edition (Advanced Server), Standard Edition (Server)	NEC: NT2007A-A001 ¹⁰ , NT2010A-A001 ⁹ ; Unisys FCH742313-P64 (LP9802)	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B ⁶ , DS-16B ^{2,7} , DS-16M, DS-16M2, DS-24M2, DS-32B ⁵ , DS-32M, DS-32M2, DS-8B ² , ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁴ , ES-4500	4	32	1024 ⁴ , 512 ³	256	Y
5	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ¹ , Standard Edition (Server) ¹	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ¹¹ , Optical Pass-thru Module 02R9080 ^{12, 13} ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; Cisco MDS: 9120, 9140, 9216, 9509; EMC Connectrix: DS-16B ⁶ , DS-16B ^{2,7} , DS-16M, DS-16M2, DS-24M2, DS-32B ⁵ , DS-32M, DS-32M2, DS-8B ² , ED-1032, ED-12000B ⁵ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ¹⁴ , ES-4500	4	32	1024 ⁴ , 512 ³	223, 256	Y

- EMC recommends that HBAs of different vendors not be used in the same host server.
- Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
- CX400**
- CX600**
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- This HBA is equivalent to the QLogic QLA2340.
- This HBA is equivalent to the Emulex LP982.
- Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
- When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)

Microsoft Windows NT

Microsoft Windows NT								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Microsoft Windows NT 4.0 SP6A ¹	Emulex: LP8000-EMC ⁸ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP9802); QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ⁴ , 2800 ⁴ , 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2, 6} , DS-16B ^{4, 7} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2, 5} , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ⁹ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ⁹ , ES-4500	4	32	1024 ³ , 512 ²	223, 256	Y

1. EMC recommends that HBAs of different vendors not be used in the same host server.
2. **CX400**
3. **CX600**
4. Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
5. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
6. EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
7. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
8. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
9. **Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)**

Novell Network

Novell Network								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Novell Network 5.10: SP2A ¹ , SP2 ¹	QLLogic QLA2202F-EMC	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2, 6} , DS-16B ^{2, 5} , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁷ , ED-12000B ⁸ , ED-140M, ED-64M ⁷ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ^{2, 3} , ES-4500	4	32	1024 ⁴ , 512 ³	128	Y
2	Novell Network 5.10: SP2A ¹ , SP2 ¹ , SP5 ¹ , SP6	QLLogic QLA2200F-EMC	EMC Connectrix: DS-32M, ED-1032 ⁷	4	32	1024 ⁴ , 512 ³	128	Y
3	Novell Network 5.10: SP2A ¹ , SP2 ¹ , SP5 ¹ , SP6	QLLogic QLA2200F-EMC ¹⁴ , 15, 16, 17, 18	Brocade Silkworm: 12000, 2400 ^{2, 19} , 2800 ^{2, 19} , 3200 ²⁰ , 3800 ²⁰ , 3900, 6400; EMC Connectrix: DS-16B ^{2, 6} , DS-16B ^{2, 5} , DS-16M, DS-16M2, DS-24M2, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁷ , ED-12000B ⁸ , ED-140M, ED-64M ⁷ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ^{2, 3} , ES-4500	4	32	1024 ⁴ , 512 ³	128	Y
4	Novell Network 5.10: SP5 ¹ , SP6	Emulex LP9002-E (LP9002L-E); QLLogic: QLA2202F-EMC, QLA2300F-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2, 6} , DS-16B ^{2, 5} , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁷ , ED-12000B ⁸ , ED-140M, ED-64M ⁷ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ^{2, 3} , ES-4500	4	32	1024 ⁴ , 512 ³	128	Y
5	Novell Network 5.10: SP5 ¹ , SP6	IBM 00N6881 (QLA2200) ¹³	EMC Connectrix DS-32B ^{2, 5}	4	32	1024 ⁴ , 512 ³	128	Y
6	Novell Network 5.10: SP5 ¹ , SP6	QLLogic: QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2, 6} , DS-16B ^{2, 5} , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁷ , ED-12000B ⁸ , ED-140M, ED-64M ⁷ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ^{2, 3} , ES-4500	4	32	1024 ⁴ , 512 ³	223, 256	Y
7	Novell Network 5.10: SP5 ¹ , SP6; Novell Network 6.0: SP1 ^{1, 9} , SP2 ^{1, 9} , SP3 ⁹ ; Novell Network 6.5 ^{9, 21}	IBM: 19K1246(QLA2310) ¹⁰ , 12, 24P0960(QLA2340) ^{10, 11} ; QLLogic QLA2342-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2, 6} , DS-16B ^{2, 5} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2, 5} , DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁷ , ED-12000B ⁸ , ED-140M, ED-64M ⁷ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ^{2, 3} , ES-4500	4	32	1024 ⁴ , 512 ³	128	Y
8	Novell Network 6.0: SP1 ^{1, 9} , SP2 ^{1, 9} , SP3 ⁹ ; Novell Network 6.5 ^{9, 21}	Emulex LP9002-E (LP9002L-E); IBM 00N6881 (QLA2200) ¹³ ; QLLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2, 6} , DS-16B ^{2, 5} , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁷ , ED-12000B ⁸ , ED-140M, ED-64M ⁷ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ^{2, 3} , ES-4500	4	32	1024 ⁴ , 512 ³	128	Y
9	Novell Network 6.0: SP1 ^{1, 9} , SP2 ^{1, 9} , SP3 ⁹ ; Novell Network 6.5 ^{9, 21}	IBM 00N6881 (QLA2200) ^{10, 13}	EMC Connectrix DS-32B ^{2, 5}	4	32	1024 ⁴ , 512 ³	128	Y

Novell Netware								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
10	Novell Netware 6.0: SP1 ^{1,9} , SP2 ^{1,9} , SP3 ¹ Novell Netware 6.5 ^{9,21}	QLogic: QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ² , 2800 ² , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ^{2,6} , DS-16B ^{2,5} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,8} , DS-32M, DS-32M2, DS-8B2, DS-8B ² , ED-1032 ⁷ , ED-12000B ⁹ , ED-140M, ED-64M ⁷ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	32	1024 ⁴ , 512 ³	223, 256	Y
11	Novell Netware: 5.00 SP6A ^{1,22} , 5.10 SP2A ¹	IBM: 00N6881 (QLA2200) ¹³ , 19K1246(QLA2310) ^{10,12} , 24P0960(QLA2340) ^{10,11} ; QLogic QLA2342-E-SP	EMC Connectrix DS-32B ^{2,8}	4	32	1024 ⁴ , 512 ³	128	Y
12	Novell Netware: 5.00 SP6A ^{1,22} , 5.10 SP2A ¹ , 5.10 SP5 ¹ , 5.10 SP6, 6.0 SP1 ^{1,9} , 6.0 SP2 ^{1,9} , 6.0 SP3 ⁹ , 6.5 ^{9,21}	Emulex LP9002-E (LP9002L-E); QLogic: QLA2200F-EMC, QLA2202F-EMC, QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP	EMC Connectrix DS-32B ^{2,8}	4	32	1024 ⁴ , 512 ³	256	Y

- Maximum number of NWFS volumes that can be mounted is 64.
- Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
- CX400**
- CX600**
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- ED-64 and ED-1032 not supported for FC5300.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNS is supported.**
- For IBM Netfinity and xSeries Intel servers only.
- This HBA is equivalent to the qLogic QLA2340.
- This HBA is equivalent to the qLogic QLA2310.
- (QLA2200) For IBM xSeries and Netfinity servers only.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Requires QLogic driver v6.04.02 and BIOS 1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65
- Requires QLogic driver v6.04.02 and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Firmware v2.5.1b or later required**
- Firmware 3.0.2a or later required.**
- Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
- Requires NWPANLM V.3.07A update from Novell website.**
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)**

Red Hat Linux

Red Hat Linux								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Red Hat Linux 2.1 Advanced Server v2.4.9-e.25 ²	Emulex: LP9002-E (LP9002L-E) ^{12,14,15,16,18} , LP9002DC-E ^{12,13,14,15,16} , LP9802-E ^{12,13,14,15,16} , LP9802DC-E ^{12,14,15,16} , LP982-E ^{12,13,15,16,22}	Brocade Silkworm: 12000, 2400 ¹⁰ , 2800 ^{8,10} , 3200 ⁵ , 3800 ⁵ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,5,7} , DS-16B ^{8,9,10} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,6} , DS-32M2, DS-8B2, DS-8B ^{8,10} , ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	32	1024 ³ , 512 ⁴	128	Y
2	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1,2} , v2.4.9-E.12 ^{1,2} , v2.4.9-E.16 ^{1,2} , v2.4.9-E.32 ^{1,11} , v2.4.9-E.91 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.12 ^{1,2} , v2.4.9-e.16 ^{1,2}	HPQ Dual-port mezzanine controller card ^{19,20} ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ¹⁰ , 2800 ^{8,10} , 3200 ⁵ , 3800 ⁵ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,5,7} , DS-16B ^{8,9,10} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,6} , DS-32M2, DS-8B2, DS-8B ^{8,10} , ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	32	1024 ³ , 512 ⁴	128	Y
3	Red Hat Linux 2.1 ES v2.4.9-e.25 ²	Emulex LP1050DC-E ^{12,13,14,15,16}	Brocade Silkworm: 12000, 2400 ¹⁰ , 2800 ^{8,10} , 3200 ⁵ , 3800 ⁵ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2,5,7} , DS-16B ^{8,9,10} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2,6} , DS-32M2, DS-8B2, DS-8B ^{8,10} , ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	32	1024 ³ , 512 ⁴	1238	Y

Red Hat Linux								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
4	Red Hat Linux 2.1 ES v2.4.9-e.25 ²	Emulex: LP10000-E ^{12, 13, 14, 15, 16} , LP10000DC-E ^{12, 13, 14, 15, 16} , LP1050-E ^{12, 13, 14, 15, 16} , LP9002-E (LP9002L-E) ^{12, 14, 15, 16, 18} , LP9002DC-E ^{12, 13, 14, 15, 16} , LP9802-E ^{12, 13, 14, 15, 16} , LP9802DC-E ^{12, 14, 15, 16} , LP982-E ^{12, 13, 15, 16, 22}	Brocade Silkworm: 12000, 2400 ¹⁰ , 2800 ^{8, 10} , 3200 ⁵ , 3800 ⁵ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{25, 7} , DS-16B ^{8, 9, 10} , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁶ , DS-32M2, DS-8B2, DS-8B ^{8, 10} , ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	32	1024 ³ , 512 ⁴	128	Y
5	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ^{2, 17} , ES v2.4.9-e.24 ^{2, 17}	Emulex: LP9002-E (LP9002L-E) ^{12, 14, 15, 16, 18} , LP9002DC-E ^{12, 13, 14, 15, 16} , LP9802DC-E ^{12, 14, 15, 16} , LP982-E ^{12, 13, 15, 16, 22} ; HPQ Dual-port mezzanine controller card ^{19, 20} ; QLogic: QLA2200F-EMC ^{15, 19, 21} , QLA2310F-E-SP ^{15, 19, 20} , QLA2340-E-SP ^{19, 20}	Brocade Silkworm: 12000, 2400 ¹⁰ , 2800 ^{8, 10} , 3200 ⁵ , 3800 ⁵ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{25, 7} , DS-16B ^{8, 9, 10} , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁶ , DS-32M2, DS-8B2, DS-8B ^{8, 10} , ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	32	1024 ³ , 512 ⁴	128	Y
6	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ² , ES v2.4.9-e.24 ²	Emulex LP9802-E ^{12, 13, 14, 15, 16}	Brocade Silkworm: 12000, 2400 ¹⁰ , 2800 ^{8, 10} , 3200 ⁵ , 3800 ⁵ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{25, 7} , DS-16B ^{8, 9, 10} , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁶ , DS-32M2, DS-8B2, DS-8B ^{8, 10} , ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	32	1024 ³ , 512 ⁴	128	Y
7	Red Hat Linux 2.1: Advanced Server v2.4.9-e.25 ^{2, 17} , ES v2.4.9-e.25 ^{2, 17}	HPQ Dual-port mezzanine controller card ^{19, 20} ; QLogic: QLA2200F-EMC ^{15, 19, 21} , QLA2310F-E-SP ^{15, 19, 20} , QLA2340-E-SP ^{19, 20}	Brocade Silkworm: 12000, 2400 ¹⁰ , 2800 ^{8, 10} , 3200 ⁵ , 3800 ⁵ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{25, 7} , DS-16B ^{8, 9, 10} , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁶ , DS-32M2, DS-8B2, DS-8B ^{8, 10} , ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	32	1024 ³ , 512 ⁴	128	Y
8	Red Hat Linux 7.3 updated to v2.4.20-20.7 ²	Emulex: LP10000DC-E, LP9002DC-E, LP9802-E; HPQ Dual-port mezzanine controller card ^{19, 20} ; QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP	Brocade Silkworm: 12000, 2400 ¹⁰ , 2800 ^{8, 10} , 3200 ⁵ , 3800 ⁵ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{25, 7} , DS-16B ^{8, 9, 10} , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁶ , DS-32M2, DS-8B ^{8, 10} , ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	32	1024 ³ , 512 ⁴	128	Y
9	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	Emulex: LP9002-E (LP9002L-E) ^{12, 14, 15, 16, 18} , LP9002DC-E ^{12, 13, 14, 15, 16} , LP9802-E ^{12, 13, 14, 15, 16} , LP9802DC-E ^{12, 13, 14, 15, 16}	Brocade Silkworm: 12000, 2400 ¹⁰ , 2800 ^{8, 10} , 3200 ⁵ , 3800 ⁵ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{25, 7} , DS-16B ^{8, 9, 10} , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁶ , DS-32M2, DS-8B2, DS-8B ^{8, 10} , ED-12000B ⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	32	1024 ³ , 512 ⁴	128	Y
10	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC	EMC Connectrix: DS-32M, ED-1032 ²⁴	4	32	1024 ³ , 512 ⁴	128	Y

Red Hat Linux								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
11	Red Hat Linux 8.0 updated to v2.4.20-20.8 ²	QLogic QLA2200F-EMC ^{15, 19, 21}	Brocade Silkworm: 12000, ² 2400 ^{8, 10} , 2800 ^{8, 10} , 3200 ⁵ , 3800 ⁵ , 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{2, 5, 7} , DS-16B ^{8, 9, 10} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2, 5} , DS-32M2, DS-8B2, DS-8B ^{8, 10} , ED-12000B ⁶ , ED-140M, ED-64M ^{2, 4} ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ^{2, 3} , ES-4500	4	32	1024 ³ , 512 ⁴	128	Y

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with Qlogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- CX600**
- CX400**
- Firmware 3.0.2a or later required.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- Firmware v2.5.1b or later required
- Supported with QLogic driver v6.05.00.
- Single HBA zoning is required regardless of the switch being utilized.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- This kernel is supported with the Qlogic v6.04.01 driver included in the kernel.
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)
- ED-64 and ED-1032 not supported for FC5300.

SGI IRIX

SGI IRIX								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	SGI IRIX: 6.5.11, 6.5.12	SGI PCI-FC-1P-OPT-A	Brocade Silkworm: 12000 ² , 3200 ² , 3800 ² , 6400 ² ; EMC Connectrix: DS-16B ^{2, 6} , DS-16M ^{2, 2} , DS-24M ^{2, 2} , DS-32M ^{2, 2} , ED-12000B ^{2, 5} , ED-140M ² , ED-64M ^{1, 2} ; McDATA: ED-6064 ^{1, 2} , ED-6140 ² , ES-3216 ^{1, 2} , ES-3232 ^{1, 2} , ES-4500 ²	4	32	1024 ³ , 512 ⁴	256	Y
2	SGI IRIX: 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI: PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B	Brocade Silkworm: 12000 ² , 3200 ² , 3800 ² , 6400 ² ; EMC Connectrix: DS-16B ^{2, 6} , DS-16M ^{2, 2} , DS-24M ^{2, 2} , DS-32M ^{2, 2} , ED-12000B ^{2, 5} , ED-140M ² , ED-64M ^{1, 2} ; McDATA: ED-6064 ^{1, 2} , ED-6140 ² , ES-3216 ^{1, 2} , ES-3232 ^{1, 2} , ES-4500 ²	4	32	1024 ³ , 512 ⁴	256	Y

- FC4700 only with Access Logix 8.42.5x or higher.
- Refer to the Switched Fabric Topology Parameters Table (formerly Table 71 on Page 202 of the ESM) for single-vendor and mixed vendor switched fabrics and supported switch firmware.
- CX600**
- CX400**
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.

SuSE Linux

SuSE Linux								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1, 2}	Emulex LP1050DC-E ^{13, 15, 16, 17, 22}	Brocade Silkworm: 12000, ² 2400 ⁹ , 2800 ^{8, 9} , 3200 ⁷ , 3800 ⁷ , 3900, 6400; EMC Connectrix: DS-16B ^{2, 11} , DS-16B ^{8, 9, 12} , DS-16M, DS-16M2, DS-24M2, DS-32B ^{2, 10} , DS-32M2, DS-8B2, DS-8B ^{8, 9} , ED-12000B ¹⁰ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ^{2, 3} , ES-4500	4	32	1024 ⁵ , 512 ⁶	1238	Y

SuSE Linux								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
2	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1,2}	Emulex: LP10000-E ^{3,13,15,16,17} , LP10000DC-E ^{3,13,15,16,17} , LP1050-E ^{13,15,16,17,22} , LP9002-E (LP9002L-E) ^{3,13,15,16,17,20} , LP9002DC-E ^{3,13,15,16,17,18,19} , LP9802-E ^{3,13,15,16,17} , LP9802DC-E ^{3,13,15,16,17,18,19} , LP982-E ^{13,15,16,17,21} , HPQ Dual-port mezzanine controller card ^{3,4} : QLogic: QLA2200F-EMC ^{3,13,14} , QLA2310F-E-SP ^{3,4,13} , QLA2340-E-SP ^{3,4}	Brocade Silkswrm: 12000, 2400 ⁹ , 2800 ⁹ , 3200 ⁷ , 3800 ⁷ , 3900, 6400; EMC Connectrix: DS-16B2 ^{7,11} , DS-16B ^{9,12} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M2, DS-8B2, DS-8B ^{8,9} , ED-12000B ¹⁰ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4300 ²³ , ES-4500	4	32	1024 ⁵ , 512 ⁶	128	Y

- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from <ftp://ftp.emc.com/pub/elab/linux>.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- CX600**
- CX400**
- Firmware 3.0.2a or later required.
- Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
- Firmware v2.5.1b or later required
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.**
- Single HBA zoning is required regardless of the switch being utilized.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Host must be offline for CLARiiON-licensed (Flare) upgrade and Storage Processor replacement.
- Use the boot option "acpi=oldboot" in SuSE SLES8 SMP configurations with the LP9802DC-E and LP9002DC-E adapters
- The LP9002-E now ships with the LP9002L-E low profile adapter.
- QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)**

Sun Solaris

Sun Solaris								
No.	Operating System	Host Bus Adapter	Switch	Fanin	FC-Fanout	FC-Luns/Storage Port	Luns/HBA	Port sharing
1	Sun Solaris 2.6	Emulex: LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002S-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	Brocade Silkswrm: 12000, 2400 ⁷ , 2800 ⁷ , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁶ , DS-16B ^{7,8} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁷ , ED-1032 ⁵ , ED-12000B ⁴ , ED-140M, ED-64M ⁵ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	32	1024 ¹ , 512 ²	256	Y
2	Sun Solaris 7	Emulex: LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002S-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	Brocade Silkswrm: 12000, 2400 ⁷ , 2800 ⁷ , 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁶ , DS-16B ^{7,8} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁷ , ED-1032 ⁵ , ED-12000B ⁴ , ED-140M, ED-64M ⁵ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	32	1024 ¹ , 512 ²	256	Y
3	Sun Solaris 8	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ³ , LP9002-E (LP9002L-E), LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; QLogic: QCP2202F-E-SP, QLA2340-E-SP, QLA2342-E-SP; Sun: X6767A (SG-XPCI1FC-QF2), X6768A (SG-XPCI2FC-QF2)	Brocade Silkswrm: 12000, 2400 ⁷ , 2800 ⁷ , 3200, 3800, 3900, 6400; Cisco MDS: 9216 ⁹ , 9509 ⁹ ; EMC Connectrix: DS-16B2 ⁶ , DS-16B ^{7,8} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁷ , ED-1032 ⁵ , ED-12000B ⁴ , ED-140M, ED-64M ⁵ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	32	1024 ¹ , 512 ²	256	Y
4	Sun Solaris 9	Emulex: LP10000-E, LP10000DC-E, LP9002C-E, LP9002DC-E, LP9002S-E, LP9802-E; QLogic QCP2202F-E-SP; Sun: X6767A (SG-XPCI1FC-QF2), X6768A (SG-XPCI2FC-QF2)	Brocade Silkswrm: 12000, 2400 ⁷ , 2800 ⁷ , 3200, 3800, 3900, 6400; Cisco MDS: 9216 ⁹ , 9509 ⁹ ; EMC Connectrix: DS-16B2 ⁶ , DS-16B ^{7,8} , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴ , DS-32M, DS-32M2, DS-8B2, DS-8B ⁷ , ED-1032 ⁵ , ED-12000B ⁴ , ED-140M, ED-64M ⁵ ; McDATA: ED-6064, ED-6140, ES-3216, ES-3232, ES-4500	4	32	1024 ¹ , 512 ²	256	Y
5	Sun Solaris 9	QLogic: QLA2340-E-SP, QLA2342-E-SP	EMC Connectrix DS-16B2 ⁶	4	32	1024 ¹ , 512 ²	256	Y

- CX600**
- CX400**
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- ED-64 and ED-1032 not supported for FC5300.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- Extended Fabric software license is bundled into DS-xB models. Optional Extended Fabric software license for all DS-xB switches ordered after July 4, 2001 require chargeable model DSBXFAB-0D.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- No boot support at this time.

iSCSI to FC Routing

No.	Operating System	Network Interface Card	Driver	Network Configuration	Bridge	Firmware Revision	Comments
1	Microsoft Windows 2000: Advanced Server SP4 ⁵ , Server SP4 ⁵ ; Microsoft Windows 2003: Enterprise Edition (Advanced Server) ⁵ , Standard Edition (Server) ⁵	Generic NIC 10/100, Generic NIC GE	Microsoft 1.01 ¹ , 2, 3, 4	LAN Only ^{9, 10}	Nishan IPS 3300, Nishan IPS 4300	4.1	See ^{6, 7, 8}

1. Booting over iSCSI is not supported.
2. Clusters are not supported.
3. Microsoft Dynamic Disks are not supported.
4. The maximum number of iSCSI LUNs supported per host system is 128.
5. EMC recommends that HBAs of different vendors not be used in the same host server.
6. This configuration requires completion of a Pre-Sales Questionnaire (PSQ).
7. PowerPath 3.0.5 is supported with different subnets for each path.
8. A maximum of 12:1 fan-in is supported.
9. Layer 2 or single subnet TCP/IP LAN
10. Requires a dedicated network for iSCSI storage only. The network should be design to have no packet loss or packet duplication.

Application Software Fujitsu Technology Solutions Solaris

Fujitsu Technology Solutions Solaris			
No.	Operating System	Host Bus Adapter	Application Software
1	Fujitsu Technology Solutions Solaris: 2.6, 7, 8, 9	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E)	PowerPath: 3.0.3, 3.0.4, 4.0.3 ^{2, 3}

1. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
2. ATF/CDE and PowerPath cannot co-exist in the same server.
3. Powerpath supported on FC4500, FC4700, CX600, and CX400. CLARiiON and Symmetrix can co-exist in the SAN with the same server.

HPQ HP-UX

HPQ HP-UX				
No.	Operating System	Host Bus Adapter	Application Software	Comments
1	HPQ HP-UX: 11.0 ² , 11i v1.0 (HP-UX 11.11) ²	HPQ: A3404A, A3591B, A3740A, A5158A, A6684A, A6685A, A6795A ⁵	AccessLogix 02.05; MirrorView 1.8 ⁶ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁷ , Manager, Event Monitor 6.5 ⁸ ; SAN Copy 1.1 ^{9, 10, 11, 12} , SnapView 2.2 ^{6, 13} , admsnap 2.2 ^{6, 13, 14}	
2	HPQ HP-UX: 11.0 ² , 11i v1.0 (HP-UX 11.11) ²	HPQ: A3404A, A3591B, A3740A, A5158A, A6684A, A6685A, A6795A ⁵	PowerPath 3.0.3 b 003 ^{3, 4}	See ¹

1. CLARiiON and Symmetrix can coexist in the SAN with the same server.
2. For HP-UX systems only:LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
3. Supported with HP-UX 11.0, 11i only
4. Powerpath supported on FC4500, FC4700, CX600, and CX400.
5. As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.
 - L1000 (product number A5576A)
 - L2000 (product number A5191A)
 - N4000 Revision A (product number A3639A)
 - N4000 Revision B (product number A3639B)
6. For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
7. Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
8. Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
9. SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, FC5300, Symmetrix 8000 series, Symmetrix DMX Series, Symmetrix 3832, Symmetrix 3x30, and Symmetrix 3700 arrays.
10. Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
11. SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
12. SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FASiT200 with Firmware level 5.30.09.00, FASiT700 with Firmware level 5.21.01.02, and FASiT900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.
13. A Snapshot must not be in a clustered Storage Group.
14. Admsnap is not qualified with VERITAS Volume Manager

HPQ Tru64 UNIX

HPQ Tru64 UNIX			
No.	Operating System	Host Bus Adapter	Application Software
1	HPQ Tru64 UNIX V5.0A	HPQ: KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	AccessLogix 02.05; MirrorView 1.8 ¹ ; Navisphere: Analyzer 6.5, Integrator 6.5 ⁵ , Manager, Event Monitor 6.5 ⁶ ; SAN Copy 1.1 ^{7, 8, 9, 10} , SnapView 2.2 ^{1, 11} , admsnap 2.2 ^{1, 11, 12}

HPQ Tru64 UNIX			
No.	Operating System	Host Bus Adapter	Application Software
2	HPQ Tru64 UNIX V5.1 ²	HPQ: FCA2354 (LP9002), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	AccessLogix 02.05; MirrorView 1.8 ¹ ; Navisphere: Analyzer 6.5, Integrator 6.5 ⁵ , Manager, Event Monitor 6.5 ⁶ ; SAN Copy 1.1 ⁷ , 8.9, 10, SnapView 2.2 ^{1, 11} , admsnap 2.2 ^{1, 11, 12}
3	HPQ Tru64 UNIX: V5.1A ³ , V5.1B ⁴	HPQ: FCA2354 (LP9002), FCA2384 (LP9802), KGPSA-BC (380574-001), KGPSA-CA (168794-B21), KGPSA-DA (261329-B21)	AccessLogix 02.05; MirrorView 1.8 ¹ ; Navisphere: Analyzer 6.5, Integrator 6.5 ⁵ , Manager, Event Monitor 6.5 ⁶ ; SAN Copy 1.1 ⁷ , 8.9, 10, SnapView 2.2 ^{1, 11} , admsnap 2.2 ^{1, 11, 12}

- For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
- Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).
- Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).
- Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).
- Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
- Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
- Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
- SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, and FC5300.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FAStT200 with Firmware level 5.30.09.00, FAStT700 with Firmware level 5.21.01.02, and FAStT900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.
- A Snapshot must not be in a clustered Storage Group.
- Admsnap is not qualified with VERITAS Volume Manager

IBM AIX

IBM AIX			
No.	Operating System	Host Bus Adapter	Application Software
1	IBM AIX: 4.3.3 ³ , 5.1 ⁴ , 5.2 ¹	IBM: 6227, 6228	AccessLogix 02.05; MirrorView 1.8 ⁵ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁶ , Manager, Event Monitor 6.5 ⁷ ; PowerPath 3.0.4 ² , SAN Copy 1.1 ^{8, 9, 10, 11} , SnapView 2.2 ^{5, 12} , admsnap 2.2 ^{5, 12, 13}
2	IBM AIX: 5.1 ⁴ , 5.2 ¹	IBM 6239	AccessLogix 02.05; MirrorView 1.8 ⁵ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁶ , Manager, Event Monitor 6.5 ⁷ ; PowerPath 3.0.4 ² , SAN Copy 1.1 ^{8, 9, 10, 11} , SnapView 2.2 ^{5, 12} , admsnap 2.2 ^{5, 12, 13}

- Requires CLArrayS3.5.2.0.7
- CLARiiON and Symmetrix can coexist in the SAN with the same server.
- Requires CLArrayS3.4.3.0.13
- Requires CLArrayS3.5.1.0.10
- For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
- Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
- Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, FC5300, Symmetrix 8000 series, Symmetrix DMX Series, Symmetrix 3832, Symmetrix 3x30, and Symmetrix 3700 arrays.
- Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
- SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FAStT200 with Firmware level 5.30.09.00, FAStT700 with Firmware level 5.21.01.02, and FAStT900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.
- A Snapshot must not be in a clustered Storage Group.
- Admsnap is not qualified with VERITAS Volume Manager

Microsoft Windows 2000

Microsoft Windows 2000				
No.	Operating System	Host Bus Adapter	Application Software	Comments
1	Microsoft Windows 2000 Advanced Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ³ ; Microsoft Windows 2000 Server: SP2 ^{1, 3} , SP3 ^{1, 3} , SP4 ³	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM: 24P0960(QLA2340) ⁶ , HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ²⁰ , HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{8, 19} ; NEC: N8103-200, N8190-105 ²¹ , N8503-200, N8803-031 (QLA2310F); QLLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	AccessLogix 02.05; MirrorView 1.8 ⁸ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁹ , Manager, Event Monitor 6.5 ¹⁰ ; PowerPath: 3.0.2 ⁴ , 3.0.5 ⁴ , 7; SAN Copy 1.1 ^{11, 12, 13, 14, 15} ; SnapView 2.2 ^{8, 16} , admsnap 2.2 ^{8, 16, 17}	See ^{1, 2}

Microsoft Windows 2000				
No.	Operating System	Host Bus Adapter	Application Software	Comments
2	Microsoft Windows 2000 Datacenter: SP2 ^{1,3} , SP3 ^{1,3} , SP4 ³	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM 24P0960(QLA2340) ⁶ ; NEC: N8103-200, N8190-105 ²¹ , N8503-200, N8803-031 (QLA2310F); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	AccessLogix 02.05; MirrorView 1.8 ⁶ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁹ , Manager, Event Monitor 6.5 ¹⁰ ; PowerPath: 3.0.2 ⁴ , 3.0.5 ^{4,7} ; SAN Copy 1.1 ^{11,12,13,14,15} ; SnapView 2.2 ^{8,16} , admsnap 2.2 ^{8,16,17}	See ^{1,2}

- Windows 2000 hosts running less than SP4 could be susceptible to data loss during LUN expansion operations. This issue is corrected by Microsoft in SP4, or by applying hotfix 327020. See EMC Solution IS emc73538 and Microsoft Knowledge Base article 327020 for more information.
 - ATF/CDE is not supported on CX200, CX400 or CX600 arrays. ATF/CDE and PowerPath cannot co-exist on the same server.
 - EMC recommends that HBAs of different vendors not be used in the same host server.
 - Powerpath supported on FC4500, FC4700, CX600, CX400, and CX200. PowerPath Base supported on FC4500, CX200 only. CLARiiON and Symmetrix can co-exist in the SAN with the same server.
 - The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
 - This HBA is equivalent to the qLogic QLA2340.
 - Stratus ftServer OS release 2.1 or greater required for Stratus ftServers.
 - For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
 - Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
 - Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
 - SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, FC5300, Symmetrix 8000 series, Symmetrix DMX Series, Symmetrix 3832, Symmetrix 3x30, and Symmetrix 3700 arrays.
 - Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
 - SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
 - Requires admHost software. See SAN Copy release notice for appropriate revision information.
 - SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FASi7200 with Firmware level 5.30.09.00, FASi7000 with Firmware level 5.21.01.02, and FASi7900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.
 - A Snapshot must not be in a clustered Storage Group.
 - Admsnap is not qualified with VERITAS Volume Manager
 - When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"
- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
 - Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.
 - EMC does not support the Emulex equivalent of N8190-105. Check with NEC on where to download the latest supported firmware and boot BIOS for this adapter.

Microsoft Windows 2003

Microsoft Windows 2003			
No.	Operating System	Host Bus Adapter	Application Software
1	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ^{1,2} , Standard Edition (Server) ^{1,2}	Emulex: LP10000-E, LP10000DC-E, LP1050-E, LP1050DC-E, LP8000-EMC ⁵ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ: A7298A (LP982), DS-KGPSA-CA (LP8000), DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), Dual-port mezzanine controller card, FCA2101 (LP952), FCA2214 (QLA2340), FCA2214DC (QLA2342), FCA2354 (LP9002), FCA2355 (LP9002DC), FCA2384 (LP9802), FCA2404 (LP9802), FCA2404DC (LP9802DC), FCA2408 (LP982); IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ²¹ , Optical Pass-thru Module 02R9080 ^{19,20} ; NEC: N8190-105 ²² , N8803-031 (QLA2310F); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	AccessLogix 02.05; MirrorView 1.8 ⁶ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁹ , Manager, Event Monitor 6.5 ⁸ ; PowerPath 3.0.5 ^{3,4} ; SAN Copy 1.1 ^{9,10,11,12,13} ; SnapView 2.2 ^{6,14} , admsnap 2.2 ^{6,14,15}
2	Microsoft Windows 2003: Enterprise Edition (Advanced Server) ^{1,2} , Standard Edition (Server) ^{1,2}	IBM HS20 FC Exp Card(48P7061) with: 2 Port Switch Module 48P7062 ²¹ , Optical Pass-thru Module 02R9080 ^{19,20} ; NEC: N8190-105 ²² , N8803-031 (QLA2310F); QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	VSS Hardware Provider 1.0 ^{16,17,18}

- EMC recommends that HBAs of different vendors not be used in the same host server.
 - For Windows 2003 STORPort drivers, support is limited to the following configurations: 1 HBA with 1 path to 1 SP; 2 HBAs, one with a single path to SPA and the other with a single path to SPB. Refer to HBA guides for expected device behavior. [NOTE: Powerpath not currently supported with STORPort driver.]
 - Powerpath supported on FC4500, FC4700, CX600, CX400, and CX200. PowerPath Base supported on FC4500, CX200 only. CLARiiON and Symmetrix can co-exist in the SAN with the same server.
 - PowerPath is currently supported only with QLogic SCSI Port miniport drivers and the Emulex full port driver.
 - The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
 - For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
 - Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
 - Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
 - SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, FC5300, Symmetrix 8000 series, Symmetrix DMX Series, Symmetrix 3832, Symmetrix 3x30, and Symmetrix 3700 arrays.
 - Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
 - SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
 - Requires admHost software. See SAN Copy release notice for appropriate revision information.
 - SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FASi7200 with Firmware level 5.30.09.00, FASi7000 with Firmware level 5.21.01.02, and FASi7900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.
 - A Snapshot must not be in a clustered Storage Group.
 - Admsnap is not qualified with VERITAS Volume Manager
 - Requires Navisphere Agent/CLI 6.5.
 - VSS Hardware Provider is currently supported only with QLogic SCSI Port miniport drivers.
 - Shipped with SnapView on adm Snap media.
 - When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"
- This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.
- Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.
 - Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.

22. EMC does not support the Emulex equivalent of N8190-105. Check with NEC on where to download the latest supported firmware and boot BIOS for this adapter.

Microsoft Windows NT

Microsoft Windows NT				
No.	Operating System	Host Bus Adapter	Application Software	Comments
1	Microsoft Windows NT 4.0 SP6A ²	Emulex: LP8000-EMC ⁴ , LP9002-E (LP9002L-E), LP9802-E, LP9802DC-E, LP982-E; HPQ FCA2404 (LP9802); IBM 24P0960(QLA2340) ⁵ ; QLogic: QLA2310F-E-SP, QLA2340-E-SP, QLA2342-E-SP	AccessLogix 02.05; MirrorView 1.8 ⁶ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁷ , Manager, Event Monitor 6.5 ⁸ ; PowerPath: 3.0.2 ³ , 3.0.5 ³ ; SAN Copy 1.1⁹, 10, 11, 12, 13 ; SnapView 2.2 ^{6, 14} ; admsnap 2.2 ^{6, 14, 15}	See ¹

- ATF/CDE is not supported on CX200, CX400 or CX600 arrays. ATF/CDE and PowerPath cannot co-exist on the same server.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- Powerpath supported on FC4500, FC5300, FC4700, CX600, CX400, and CX200.

- CLARiiON and Symmetrix can co-exist in the SAN with the same server.
- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- This HBA is equivalent to the qLogic QLA2340.
- For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
- Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
- Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, FC5300, Symmetrix 8000 series, Symmetrix DMX Series, Symmetrix 3832, Symmetrix 3x30, and Symmetrix 3700 arrays.
- Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
- SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
- Requires admHost software. See SAN Copy release notice for appropriate revision information.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FAStT200 with Firmware level 5.30.09.00, FAStT700 with Firmware level 5.21.01.02, and FAStT900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.**
- A Snapshot must not be in a clustered Storage Group.
- Admsnap is not qualified with VERITAS Volume Manager

Novell Netware

Novell Netware			
No.	Operating System	Host Bus Adapter	Application Software
1	Novell Netware 5.10: SP5 ¹ , SP6; Novell Netware 6.0: SP1 ^{1, 3} , SP2 ^{1, 3} , SP3 ³ ; Novell Netware 6.5 ^{3, 13}	QLogic: QLA2200F-EMC, QLA2310F-E-SP, QLA2340-E-SP	AccessLogix 02.05; MirrorView 1.8 ⁴ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁵ , Manager, Event Monitor 6.5 ⁶ ; PowerPath 3.0.1 ² ; SAN Copy 1.1^{7, 8, 9, 10} ; SnapView 2.2 ^{4, 11} ; admsnap 2.2 ^{4, 11, 12}

- Maximum number of NWFS volumes that can be mounted is 64.
- Powerpath supported on FC4500, FC4700, CX600, CX400, and CX200. PowerPath Base supported on FC4500, CX200 only. CLARiiON and Symmetrix can co-exist in the SAN with the same server.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.**
- For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
- Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
- Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
- Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
- SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, and FC5300.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FAStT200 with Firmware level 5.30.09.00, FAStT700 with Firmware level 5.21.01.02, and FAStT900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.**
- A Snapshot must not be in a clustered Storage Group.
- Admsnap is not qualified with VERITAS Volume Manager
- Qlogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**

Red Hat Linux

Red Hat Linux			
No.	Operating System	Host Bus Adapter	Application Software
1	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.3 ^{2, 16} , v2.4.9-E.g1.2, 15; Red Hat Linux 2.1 ES v2.4.9-e.12 ^{1, 2}	QLogic QLA2200F-EMC	AccessLogix 02.05; MirrorView 1.8 ¹⁴ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager, Event Monitor 6.5 ¹⁸ ; SAN Copy 1.1^{19, 20, 21, 22} ; SnapView 2.2 ^{14, 23} ; admsnap 2.2 ^{14, 23, 24}
2	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.10 ^{1, 2} , v2.4.9-E.12 ^{1, 2} , v2.4.9-E.3 ^{2, 16} , v2.4.9-E.g1.2, 15; Red Hat Linux 2.1 ES v2.4.9-e.12 ^{1, 2}	QLogic: QLA2310F-E-SP, QLA2340-E-SP	AccessLogix 02.05; MirrorView 1.8 ¹⁴ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager, Event Monitor 6.5 ¹⁸ ; SnapView 2.2 ^{14, 23} ; admsnap 2.2 ^{14, 23, 24}
3	Red Hat Linux 2.1 Advanced Server: v2.4.9-E.16 ^{1, 2} , v2.4.9-e.24 ^{2, 13} , v2.4.9-e.25 ^{2, 13} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.16 ^{1, 2} , v2.4.9-e.24 ^{2, 13} , v2.4.9-e.25 ^{2, 13} , v2.4.9-e.27	Emulex LP9002-E (LP9002L-E) ¹²	PowerPath 3.0.3 b065 ^{3, 4}

Red Hat Linux			
No.	Operating System	Host Bus Adapter	Application Software
4	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,13} , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ^{2,13} , v2.4.9-e.25 ²	Emulex: LP9002DC-E ^{5,8,10,11,12} , LP9802DC-E ^{8,10,12} , LP982-E ^{5,8,10,11,25}	AccessLogix 02.05; MirrorView 1.8 ¹⁴ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager, Event Monitor 6.5 ¹⁸ ; PowerPath 3.0.3 b065 ^{3,4} ; SAN Copy 1.1 ¹⁹ , 20, 21, 22 ² ; SnapView 2.2 ^{14,23} ; admsnap 2.2 ^{14,23,24}
5	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ^{2,13} , v2.4.9-e.25 ^{2,13} ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ^{2,13}	QLogic QLA2200F-EMC ^{6,8,9}	PowerPath 3.0.3 b065 ^{3,4}
6	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ^{2,13} , v2.4.9-e.27; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ^{2,13} , v2.4.9-e.27	QLogic: QLA2310F-E-SP ^{6,7,8} , QLA2340-E-SP ^{6,7} , QLA2342-E-SP ^{5,6,7,8}	PowerPath 3.0.3 b065 ^{3,4}
7	Red Hat Linux 2.1 Advanced Server: v2.4.9-e.24 ² , v2.4.9-e.25 ² ; Red Hat Linux 2.1 ES: v2.4.9-e.24 ² , v2.4.9-e.25 ²	Emulex LP9802-E ^{8,10,11,12}	AccessLogix 02.05; MirrorView 1.8 ¹⁴ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager, Event Monitor 6.5 ¹⁸ ; PowerPath 3.0.3 b065 ^{3,4} ; SAN Copy 1.1 ¹⁹ , 20, 21, 22 ² ; SnapView 2.2 ^{14,23} ; admsnap 2.2 ^{14,23,24}
8	Red Hat Linux 2.1 ES v2.4.9-e.25 ²	Emulex: LP10000-E ^{5,8,10,11,12} , LP10000DC-E ^{5,8,10,11,12} , LP1050DC-E ^{5,8,10,11,12}	AccessLogix 02.05; MirrorView 1.8 ¹⁴ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager, Event Monitor 6.5 ¹⁸ ; PowerPath 3.0.3 b065 ^{3,4} ; SAN Copy 1.1 ¹⁹ , 20, 21, 22 ² ; SnapView 2.2 ^{14,23} ; admsnap 2.2 ^{14,23,24}
9	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1,2} , ES v2.4.9-e.16 ^{1,2}	QLogic QLA2200F-EMC	AccessLogix 02.05; MirrorView 1.8 ¹⁴ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager, Event Monitor 6.5 ¹⁸ ; PowerPath 3.0.3 b065 ^{3,4} ; SAN Copy 1.1 ¹⁹ , 20, 21, 22 ² ; SnapView 2.2 ^{14,23} ; admsnap 2.2 ^{14,23,24}
10	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1,2} , ES v2.4.9-e.16 ^{1,2}	QLogic QLA2342-E-SP	PowerPath 3.0.3 b065 ^{3,4}
11	Red Hat Linux 2.1: Advanced Server v2.4.9-E.16 ^{1,2} , ES v2.4.9-e.16 ^{1,2}	QLogic: QLA2310F-E-SP, QLA2340-E-SP	AccessLogix 02.05; MirrorView 1.8 ¹⁴ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager, Event Monitor 6.5 ¹⁸ ; PowerPath 3.0.3 b065 ^{3,4} ; SnapView 2.2 ^{14,23} ; admsnap 2.2 ^{14,23,24}
12	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ^{2,13} , ES v2.4.9-e.24 ^{2,13}	QLogic QLA2200F-EMC ^{6,8,9}	AccessLogix 02.05; MirrorView 1.8 ¹⁴ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager, Event Monitor 6.5 ¹⁸ ; SAN Copy 1.1 ¹⁹ , 20, 21, 22 ² ; SnapView 2.2 ^{14,23} ; admsnap 2.2 ^{14,23,24}
13	Red Hat Linux 2.1: Advanced Server v2.4.9-e.24 ^{2,13} , ES v2.4.9-e.24 ^{2,13}	QLogic: QLA2310F-E-SP ^{6,7,8} , QLA2340-E-SP ^{6,7}	AccessLogix 02.05; MirrorView 1.8 ¹⁴ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ¹⁷ , Manager, Event Monitor 6.5 ¹⁸ ; SnapView 2.2 ^{14,23} ; admsnap 2.2 ^{14,23,24}
14	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27, ES v2.4.9-e.27	Emulex: LP10000-E ^{5,8,10,11,12} , LP10000DC-E ^{5,8,10,11,12} , LP1050DC-E ^{5,8,10,11,12} , LP9002DC-E ^{5,8,10,11,12} , LP982-E ^{5,8,10,11,25} ; QLogic QLA2200F-EMC ^{8,9}	PowerPath 3.0.3 b065 ^{3,4}
15	Red Hat Linux 2.1: Advanced Server v2.4.9-e.27 ² , ES v2.4.9-e.27	Emulex LP9802-E ^{8,10,11,12}	PowerPath 3.0.3 b065 ^{3,4}

- This kernel is supported with PowerPath v3.0.2 b069. Driver v6.04.00 or above must be used with QLogic HBAs and Powerpath. Booting from EMC storage arrays is NOT supported with PowerPath.
- EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
- CLARiiON and Symmetrix can co-exist in the SAN with the same server.
- PowerPath Base is supported on the FC4500 and CX200 only.
- Single HBA zoning is required regardless of the switch being utilized.
- QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
- Requires BIOS v1.34 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
- Requires QLogic driver v6.04.01 (included in 2.4.9-e.24 kernel) and BIOS v1.83 available from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65.
- The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
- Emulex driver and BIOS available from <http://www.emulex.com>.
- QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**
- This kernel is supported with the QLogic v6.04.01 driver included in the kernel.
- For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
- This kernel is supported with PowerPath v3.0.2 via RPQ only.
- Supported with QLogic driver v6.05.00.
- Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
- Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.

19. SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, FC5300, Symmetrix 8000 series, Symmetrix DMX Series, Symmetrix 3832, Symmetrix 3x30, and Symmetrix 3700 arrays.
20. Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
21. SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
22. **SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FASi7200 with Firmware level 5.30.09.00, FASi7700 with Firmware level 5.21.01.02, and FASi7900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.**
23. A Snapshot must not be in a clustered Storage Group.
24. Admsnap is not qualified with VERITAS Volume Manager
25. **QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**

SGI IRIX

SGI IRIX			
No.	Operating System	Host Bus Adapter	Application Software
1	SGI IRIX: 6.5.11, 6.5.12, 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI PCI-FC-1P-OPT-A	AccessLogix 02.05; MirrorView 1.8 ¹ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ² , Manager, Event Monitor 6.5 ³ ; SAN Copy 1.1⁴, 5, 6, 7; SnapView 2.2 ^{1, 8} , admsnap 2.2 ^{1, 8, 9}
2	SGI IRIX: 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18	SGI PCI-FC-1P-OPT-B	AccessLogix 02.05; MirrorView 1.8 ¹ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ² , Manager, Event Monitor 6.5 ³ ; SAN Copy 1.1⁴, 5, 6, 7; SnapView 2.2 ^{1, 8} , admsnap 2.2 ^{1, 8, 9}

1. For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
2. Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
3. Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
4. Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
5. SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
6. SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, and FC5300.
7. **SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FASi7200 with Firmware level 5.30.09.00, FASi7700 with Firmware level 5.21.01.02, and FASi7900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.**
8. A Snapshot must not be in a clustered Storage Group.
9. Admsnap is not qualified with VERITAS Volume Manager

SuSE Linux

SuSE Linux			
No.	Operating System	Host Bus Adapter	Application Software
1	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1, 2}	Emulex: LP10000-E7, 8, 9, 10, LP10000DC-E7, 8, 9, 10, LP1050-E7, 8, 9, 10, 23, LP1050DC-E7, 8, 9, 10, 23, LP9002-E (LP9002L-E) ^{7, 8, 9, 10, 12} , LP9002DC-E7, 8, 9, 10, 11, LP9802-E7, 8, 9, 10, LP9802DC-E7, 8, 9, 10, 11, LP982-E7, 8, 9, 10, 22; QLogic QLA2200F-EMC³	Navisphere Integrator 6.5 ¹⁴
2	SuSE Linux SLES 8 SP2a (v2.4.19-SuSE.304) ^{1, 2}	Emulex: LP10000-E7, 8, 9, 10, LP10000DC-E7, 8, 9, 10, LP1050-E7, 8, 9, 10, 23, LP1050DC-E7, 8, 9, 10, 23, LP9002-E (LP9002L-E) ^{7, 8, 9, 10, 12} , LP9002DC-E7, 8, 9, 10, 11, LP9802-E7, 8, 9, 10, LP9802DC-E7, 8, 9, 10, 11, LP982-E7, 8, 9, 10, 22; QLogic: QLA2200F-EMC³, QLA2310F-E-SP³, QLA2340-E-SP³	AccessLogix 02.05; MirrorView 1.8 ¹³ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Manager, Event Monitor 6.5 ¹⁵ ; PowerPath 3.0.4 b012^{4, 5, 6}, SAN Copy 1.1^{16, 17, 18, 19}, SnapView 2.2^{13, 20}, admsnap 2.2^{13, 20, 21}

1. EMC supports the following filesystems: ext2, ext3, reiserfs. If there is a customer requirement for a different filesystem, please submit an RPQ.
2. Requires rev1_sles8sp2a.patch for CLARiiON-attached hosts available from ftp://ftp.emc.com/pub/elab/linux.
3. **QLogic v6.x series drivers and Emulex driver v1.23a support persistent binding and only support Class 3.**
4. CLARiiON and Symmetrix can co-exist in the SAN with the same server.
5. PowerPath Base is supported on the FC4500 and CX200 only.
6. PowerPath 3.0.3 b065 needs to be installed with the RPM "--noscripts" option prior to installing PowerPath 3.0.4 b012.
7. Single HBA zoning is required regardless of the switch being utilized.
8. FC-AL and FC-SW topologies can co-exist on the same server but not on same HBA, provided that different topologies are attached to different HBAs.
9. The Emulex LP9XXX HBA family requires a host PCI bus capable of supplying 3.3 VDC bus power. The PCI slot can use either 3.3 VDC or 5.0 VDC signaling interfaces.
10. Emulex driver and BIOS available from http://www.emulex.com.
11. Use the boot option "acpi=oldboot" in SuSE SLES8 SMP configurations with the LP9802DC-E and LP9002DC-E adapters
12. The LP9002-E now ships with the LP9002L-E low profile adapter.
13. For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
14. Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
15. Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
16. SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, FC5300, Symmetrix 8000 series, Symmetrix DMX Series, Symmetrix 3832, Symmetrix 3x30, and Symmetrix 3700 arrays.
17. Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
18. SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
19. **SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FASi7200 with Firmware level 5.30.09.00, FASi7700 with Firmware level 5.21.01.02, and FASi7900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.**
20. A Snapshot must not be in a clustered Storage Group.
21. Admsnap is not qualified with VERITAS Volume Manager
22. **QLogic v6.x series drivers and Emulex driver v1.x support persistent binding and only support Class 3.**
23. **QLogic v6.x series drivers and Emulex driver v1.2x support persistent binding and only support Class 3.**

Sun Solaris

Sun Solaris			
No.	Operating System	Host Bus Adapter	Application Software
1	Sun Solaris 2.6	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002S-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	AccessLogix 02.05; MirrorView 1.8 ⁶ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁷ , Manager, Event Monitor 6.5 ⁸ ; PowerPath: 3.0.4 ² , 3, 4.0.3 ² , 3, 4, 5; SAN Copy 1.1⁹, 10, 11, 12, SnapView 2.2 ⁶ , 13, admsnap 2.2 ⁶ , 13
2	Sun Solaris 7	Emulex: LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9002S-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	AccessLogix 02.05; MirrorView 1.8 ⁶ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁷ , Manager, Event Monitor 6.5 ⁸ ; PowerPath: 3.0.4 ² , 3, 4.0.3 ² , 3, 4, 5; SAN Copy 1.1⁹, 10, 11, 12, SnapView 2.2 ⁶ , 13, admsnap 2.2 ⁶ , 13
3	Sun Solaris: 8, 9	Emulex: LP10000-E, LP10000DC-E, LP8000-EMC ¹ , LP9002-E (LP9002L-E), LP9002DC-E, LP9002S-E, LP9802-E; QLogic: QLA2340-E-SP, QLA2342-E-SP	AccessLogix 02.05; MirrorView 1.8 ⁶ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁷ , Manager, Event Monitor 6.5 ⁸ ; PowerPath: 3.0.4 ² , 3, 4.0.3 ² , 3, 4, 5; SAN Copy 1.1⁹, 10, 11, 12, SnapView 2.2 ⁶ , 13, admsnap 2.2 ⁶ , 13
4	Sun Solaris: 8, 9	Sun: X6767A (SG-XPCI1FC-QF2), X6768A (SG-XPCI2FC-QF2)	AccessLogix 02.05; MirrorView 1.8 ⁶ ; Navisphere: Agent/CLI 6.5, Analyzer 6.5, Integrator 6.5 ⁷ , Manager, Event Monitor 6.5 ⁸ ; PowerPath 4.0.3 ² , 3, 4, 5; SAN Copy 1.1⁹, 10, 11, 12, SnapView 2.2 ⁶ , 13, admsnap 2.2 ⁶ , 13

- The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.
- Powerpath supported on FC4500, FC4700, CX600, and CX400.
CLARiiON and Symmetrix can co-exist in the SAN with the same server.
- ATF/CDE is not supported on CX200, CX400 or CX600 arrays. ATF/CDE and PowerPath cannot co-exist on the same server.
- The Volume Manager component of PowerPath 4.x is not currently supported with Sun SunCluster products.
- The Volume Manager component of PowerPath 4.x does not currently support admSnap.
- For FC4700, CX600, and CX400 only. SnapView and Mirrorview require Access Logix.
- Shipped with Navisphere Manager. Integrator supports CA-Unicenter TNG 2.4, CA-Unicenter NSM 3.0, HP OpenView 6.1 or 6.3, and Tivoli NetView 6.0B or 7.1.
- Manager v6.x is web based GUI that resides on an FC4700, CX600, CX400 or CX200 Array and is downloaded to the browser when the storage processor of the array is accessed. The browser requires a Manager Client that supports Java 1.4.1_01. Manager includes two Windows components for management of non-FC4700, non-CX600, non-CX400, non-CX200 arrays from a Windows 2000 host.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported in and between CX series arrays, FC4500, FC4700, FC4700-2, FC5300, Symmetrix 8000 series, Symmetrix DMX Series, Symmetrix 3832, Symmetrix 3x30, and Symmetrix 3700 arrays.
- Data movement between CLARiiON and Symmetrix requires Navisphere host agent attached to Symmetrix. Agents supported are Windows, SUN, HP/UX, AIX, and Linux
- SAN Copy Operational restrictions apply when using SAN Copy with Clusters and AIX Systems. Refer to the SAN Copy release notice for more information.
- SAN Copy installation is supported on CX600, CX400, FC4700, and FC4700-2 storage arrays. Data movement is supported with the following HP Storage Works RAID Array products (HSG80 controller): RA8000 with Firmware levels 8.5, 8.6 and 8.7, ESA12000 with Firmware levels 8.5, 8.6 and 8.7, MA8000 with Firmware levels 8.5, 8.6 and 8.7, EMA12000 with Firmware levels 8.5, 8.6 and 8.7, EMA16000 with Firmware levels 8.5, 8.6 and 8.7, and EVA3000 (HSV100 controller) and EVA5000 (HSV110 controller) with Firmware levels 2 and 3. Data movement is also supported with the following IBM storage arrays: FAStT200 with Firmware level 5.30.09.00, FAStT700 with Firmware level 5.21.01.02, and FAStT900 with Firmware level 5.30.12.00; and with the Sun storage array StorEdge T3 with Firmware level 1.18.02.**
- A Snapshot must not be in a clustered Storage Group.

Host BIOS Bull

Bull		
No.	Host System	Minimum Host BIOS
1	Express 5800 120Md	Phoenix BIOS 4.0 Release 6.0.2251
2	Express 5800 120Rc-2	Phoenix BIOS 4.0 Release 6.0.0007
3	Express 5800 140Hb, Express 5800 140Ra4	Phoenix BIOS 4.0 Release 6.0 1014
4	Express 5800 140Ra-7	Phoenix BIOS 4.0 Release 6.0.0033
5	Express 5800 180Rb7	Phoenix BIOS 4.0 Release 6.0.0022
6	Express 5800 320Lb, Express 5800 320Lb-R	2.00
7	Express 5800 330Ma-R	6.0.0
8	Express 5800 330Mb-R, Express 5800 340Ha-R	2.0
9	Express 5800 HV8600	Phoenix BIOS 4.0 Release 5.0 1339
10	Express 5800 HX4600	Phoenix BIOS 4.0 Release 6.0 0325
11	Express 5800 MH4500	Phoenix BIOS 4.0 Release 5.0 SNX450 BIOS Release 1 Build 17
12	NovaScale 4040 (Itanium2)	FPSWA Version 1.09, PAL version 7.36, S870BN4 Version 3.03 Build 0762

DG

DG		
No.	Host System	Minimum Host BIOS
1	AViiON AV1400	Phoenix BIOS 4.0 Release 6.0 L440GX Production Release 11.1
2	AViiON AV2300	11.1
3	AViiON AV2700	6.00.33
4	AViiON AV2800	BIOS 7.0
5	AViiON AV3600	5.10.5
6	AViiON AV3700	13.0
7	AViiON AV3704R	Phoenix BIOS 4.0 Release 6.0 S450NX BIOS Release 11
8	AViiON AV3800	30.0
9	AViiON AV8600	1.04
10	AViiON AV8700	1304
11	AViiON AV8900, AViiON AV8950	Phoenix BIOS 4.0 Release 6.0 SABR1.86b.0027.A.0004141435 ALPHA 27
12	AViiON AV8950R	15

Dell

Dell		
No.	Host System	Minimum Host BIOS
1	PowerEdge 1550, PowerEdge 2500	1.10A01
2	PowerEdge 1650	A08
3	PowerEdge 1750	A04 - 2/7/03
4	PowerEdge 2300	1.10A9
5	PowerEdge 2400	A02
6	PowerEdge 2450	1.10A3
7	PowerEdge 2550	A07
8	PowerEdge 2600	A22
9	PowerEdge 2650	A03, X09
10	PowerEdge 3250 (Itanium 2)	S870BH2A.86B.0073.B01
11	PowerEdge 4300	A00
12	PowerEdge 4600	A06, X02
13	PowerEdge 6100	1.00.10.CD0L
14	PowerEdge 6300	1.10.A03
15	PowerEdge 6350	1.10.A09
16	PowerEdge 6400	P11 11/08/2000
17	PowerEdge 6450	1.10A5, A10
18	PowerEdge 6650	A06
19	PowerEdge 8450	1.10A00, A06
20	PowerVault 750N	A04; ESM: A54
21	PowerVault 755N	A06; ESM: A56
22	PowerVault 770N	A01; ESM: A18
23	PowerVault 775N	A04; ESM: A00 7/9/2002

Fuji Serv (ICL)

Fuji Serv (ICL)		
No.	Host System	Minimum Host BIOS
1	Trimetra Nova, Trimetra Nova 3	BIOS P10SDS44
2	Trimetra P2000	Phoenix BIOS 4.0 Release 6.0

Fujitsu Siemens

Fujitsu Siemens		
No.	Host System	Minimum Host BIOS
1	FibreCAT N40, Primergy F250, Primergy H450, Primergy P250	1.00
2	Primergy 700	PhoenixBIOS 4.05 Rev 1.08.887
3	Primergy B210	V6.0 Release 1012
4	Primergy C200	V4.06 Release 1.02
5	Primergy E200	ACPI BIOS 106.1260
6	Primergy F200, Primergy H250, Primergy L200, Primergy P200	1.02
7	Primergy H400, Primergy K400, Primergy N400	4.06R1.07 CFW is 2.07.119
8	Primergy N200	Award Medallion BIOS v6.0 FSC
9	Primergy N800	Phoenix BIOS 4.0 Release 60 SABR 1.86B.0009.P09.9909301531 Rel. 9
10	Primergy R450	1.00 Release 0.3.1.77
11	Primergy RX600, Primergy TX600	V4.06 R 1.00
12	Primergy T850	1.03 (VIJS12A.IMG)

HPQ

HPQ		
No.	Host System	Minimum Host BIOS
1	HP 9000 D290	41.35
2	Netserver LC 2000 U3	4.06.04 V1.05 8/5/02
3	Netserver LH 3	4.06.25 PL
4	Netserver LH 3000	Phoenix BIOS 4.06.26 PT L.18.02.L3.2.C
5	Netserver LH 4	4.06.12 PS
6	Netserver LH 6000	Phoenix BIOS 4.06.21 PU Navigator L.18.02.L3.2.C
7	Netserver LH II, Netserver LH PRO	4.05.14 PF
8	Netserver LP 2000r	4.06.23 (11/20/01)
9	Netserver LT 6000R	Phoenix BIOS 4.06.26 PW, Phoenix BIOS 4.06.43 PW with internal Ultra II SCSI, Phoenix BIOS 4.06.43 RL with internal Ultra3 SCSI
10	Netserver LX PRO, Netserver LXR PRO	1.00.11 CDOC
11	Netserver LXR 8000	4.0 Release 6.0 Navigator L.18.02.L3.2.C
12	Netserver LXR 8500	4.0 Release 6.0 Navigator L.18.02.L3.2.C, 4.0 Release 6.0 Navigator M04.00
13	Netserver LXR PRO8	2.00 (PB 4.0, rel 6.20)
14	Proliant 1600	P08 (8/17/98)
15	Proliant 1850	4.15A 4/9/02
16	Proliant 2500	4.12A
17	Proliant 3000	4.07A
18	Proliant 5000	E16 (5/12/99)
19	Proliant 5500	P12 (9/9/02)
20	Proliant 6000, Proliant 7000	P43 (12/07/99)
21	Proliant 6400R	P11 (12/10/99)
22	Proliant 6500	P11 (12/30/98)
23	Proliant 8000	P41 (07/06/2000)
24	Proliant 850	P04 (03/27/01)
25	Proliant 8500	P42 (6/16/2000)
26	Proliant 850R	P04 (9/25/97)
27	Proliant BL20p (G2)	I04 (01/30/03)
28	Proliant BL40p	I02 (01/31/03)
29	Proliant DL320	D05 - 7/4/02
30	Proliant DL360	P21 (7/4/02)
31	Proliant DL360(G2)	P26 (8/4/02)
32	Proliant DL360(G3)	P31 (01/09/03)
33	Proliant DL380(G2)	P24 (8/17/02)
34	Proliant DL380(G3)	P29 (9/10/02)
35	Proliant DL380, Proliant ML370	P17 (7/4/02)
36	Proliant DL560	P30 (01/21/03)
37	Proliant DL580	P20 (7/4/02)
38	Proliant DL580(G2)	P27 (7/30/02)
39	Proliant DL740	P47 - 01/28/2003
40	Proliant DL760	P46 - 6/27/02
41	Proliant DL760 (G2)	P46 - 03/24/03
42	Proliant ML350	D02, F04 (7/4/02) with (600, 733, 800, 866, 933 MHz), D04, F04 (7/4/02) with (1 GHz)
43	Proliant ML350(G2), Proliant ML350(G3)	D11 (7/4/02)
44	Proliant ML370(G2)	P25 (8/17/02)
45	Proliant ML530	P19 (7/4/02)
46	Proliant ML530(G2)	P22 (6/21/02)
47	Proliant ML570	P20 (08/24/2000)

HPQ		
No.	Host System	Minimum Host BIOS
48	Proliant ML570(G2)	P32 (Nov. 11, 2002)
49	Proliant ML750	P46 (02/16/01)

IBM

IBM		
No.	Host System	Minimum Host BIOS
1	eServer BladeCenter HS20 (Model 8832)	v1.01 07/30/03 Build BSE105DUS
2	Netfinity 5000	MOKT20AUS
3	Netfinity 5500	KIE165AUS
4	Netfinity 5500 M10	KIE166AUS
5	Netfinity 5500 M20	1J1XV8C9KG9 7/3/00 V6.0
6	Netfinity 5600, xSeries x240	Version 1.16 (6/29/2001)
7	Netfinity 7000	1.00.14.CD0
8	Netfinity 7000 M10	OSE134AUS V6.0 1/5/00
9	Netfinity 7100, xSeries x250	Version 1.06 (4/19/2001)
10	Netfinity 7600	MWE119AUS
11	Netfinity 8500	MMKT33AUS V6.0 1/16/01
12	Netfinity 8500R	MMKT33AUS Rev. 6 (01/16/01)
13	xSeries x232	V1.04 04/03/02
14	xSeries x235	V1.03
15	xSeries X330	EME100AUS V1.0 4/10/01
16	xSeries X335	v1.05
17	xSeries X340 (4500R)	ILKT37AUS 10/20/00 V7N
18	xSeries X342	QAE121AUS v1.03 1/10/02
19	xSeries x345	GEE137AUS v 1.08 03/24/03
20	xSeries x350 (6000R)	ARE122AUS V1.07 12/14/01
21	xSeries x360	RUKT52AUS v1.08 03/17/03
22	xSeries x370	Version 1.06 (6/7/2001)
23	xSeries x440	VIE134AUS V1.06 9/19/02
24	xSeries x445	REE114AUS v1.0 05/23/03
25	xSeries x450	v1.10 – 07/17/03 (Build MZKT32AUS)

NCR

NCR		
No.	Host System	Minimum Host BIOS
1	Worldmark 4300	1.00.14.CD0
2	Worldmark 4380	2.01.01.003
3	Worldmark 4400	Phoenix BIOS 4.0 rel 6.0
4	Worldmark 4455	Phoenix BIOS 4.0 rel 6.0 SKA40.86B.0030.P05.0005120.955
5	Worldmark 47XX, Worldmark 5100 Series, Worldmark 5150	1.00.14
6	Worldmark 4850, Worldmark 5250	16
7	Worldmark 48XX	NCR 4850 = 16, NCR 4851/4855 = 50.3
8	Worldmark 52XX	NCR 5250 = 16, NCR 5251/5255 = 50.3

NE

NE		
No.	Host System	Minimum Host BIOS
1	P7000	BIOS V0.99 (Build 03)

NEC

NEC		
No.	Host System	Minimum Host BIOS
1	Express 5800 1080Xd, Express 5800 1160Xd, Express 5800 1320Xd	BIOS 3.06, EFI 1.10 [14.60], Firmware R05.21
2	Express 5800 120Md	Phoenix BIOS 4.0 Release 6.0.2251
3	Express 5800 120Ra-2	Phoenix BIOS 4.0 Release 6.0.0206
4	Express 5800 120Rc-2	Phoenix BIOS 4.0 Release 6.0.0007
5	Express 5800 120Rd-1, Express 5800 120Rf-2	SWV25.86B.0115.P03.0301170934
6	Express 5800 120Rf-2	AMI
7	Express 5800 140Ha	Phoenix BIOS 4.0 Release 6.0 0325
8	Express 5800 140Hb, Express 5800 140Ra-4	Phoenix BIOS 4.0 Release 6.0 1014
9	Express 5800 140Hd	NSH4 Release 6.0
10	Express 5800 140Hd, Express 5800 140Rc-4	NSH4 Release 6.0 NSH4.GH5.0006.P06
11	Express 5800 140Ma	Phoenix BIOS 4.0 Release 6.0 SNX450 BIOS Release 1 Build 17
12	Express 5800 140Ra-7	Phoenix BIOS 4.0 Release 6.0.0033

NEC		
No.	Host System	Minimum Host BIOS
13	Express 5800 180Ha	Phoenix BIOS 4.0 Release 6.0 1339
14	Express 5800 180Rb-7	Phoenix BIOS 4.0 Release 6.0.0022
15	Express 5800 180Rc-4	Version 1.06, Build level VIE116AUS
16	Express 5800 320La, Express 5800 320La-R	6.0.600E
17	Express 5800 320Lb, Express 5800 320Lb-R	0.13:2
18	Express 5800 320Mc-R	6.0 8.0.0
19	Express 5800 330Ma-R	6.0.0
20	Express 5800 330Mb-R, Express 5800 340Ha-R	2.0

SUPERMICRO

SUPERMICRO		
No.	Host System	Minimum Host BIOS
1	Super P3TDL3, Super S2DL3	AMI BIOS 07.00.xx

Stratus

Stratus		
No.	Host System	Minimum Host BIOS
1	ftServer 3210, ftServer 3220	6.0.4107, 6.0.5109
2	ftServer 3300	2.00
3	ftServer 5200	6.0.0, 7.0.0
4	ftServer 5240, ftServer 6500	1.0
5	ftServer 5600	6.0, 8.0.0
6	ftServer 6600	5.0

Unisys

Unisys		
No.	Host System	Minimum Host BIOS
1	CS7201, Libra Model 180	1.0
2	DR/2, ES2023, ES2025	6.00.36
3	DS/2	6.00.5
4	ES2024	9
5	ES2043	15.6 -009
6	ES2045, ES5045, QS/2	15.7 -008
7	ES2085, ES5085	22.7 Unisys 22.6 ICL_006 ICL
8	ES5044	52.1
9	ES7000/100, ES7000/130, ES7000/200	Phoenix BIOS 4.0 Ver 1.0
10	ES7000/230	Plateau V13.1.c3
11	ES7000/510, ES7000/520, ES7000/530, ES7000/540	Platform Firmware v1.0SR1
12	ES7000/520, ES7000/530, ES7000/540, ES7000/550	v1.0
13	QR/2	13.8

HBA Cable Compatibility

BusLogic

BusLogic			
No.	Host Bus Adapter	Cable	Number of Ports
1	BusLogic BT958D	Generic: C12M-68S, C19M-68S, C6M-68S, CY-MULT ¹	1

1. Used in clustered environments only.

DG

DG			
No.	Host Bus Adapter	Cable	Number of Ports
1	DG 7435	Generic: C12M-68S, C19M-68S, C6M-68S	1
2	DG 7444 (Symbios C825)	Generic: C12M-68S, C19M-68S, C6M-68S, CY-MULT ¹	1

1. Used in clustered environments only.

EMC

EMC			
No.	Host Bus Adapter	Cable	Number of Ports
1	EMC 201-527-903	Generic: C12MINI68S ¹ , C20MINI68S ² , C6MINI68S ¹	1
2	EMC: 201-712-900, CKIT-E70-AIX ³	Generic MM-SC/xx	1
3	EMC: 250-734-902, 250-735-900, 250-736-900	Generic MM-LC/xx	1

1. C6MINI68S, C12MINI68S: CFS-14

2. C20MINI68S: CFS-SE

3. No longer available

Emulex

Emulex			
No.	Host Bus Adapter	Cable	Number of Ports
1	Emulex LP9002-E (LP9002L-E)	Generic MM-LC/xx ²	1
2	Emulex: LP10000-E, LP1050-E, LP9002-E, LP9002C-E, LP9002L-E, LP9002L-F2, LP9002S-E, LP9802-E, LP982-E	Generic MM-LC/xx	1
3	Emulex: LP10000DC-E, LP1050DC-E, LP9002DC-E, LP9802DC-E	Generic MM-LC/xx	2
4	Emulex: LP7000E-EMC, LP7000E-N1, LP8000-EMC ¹ , LP8000-F1, LP850-EMC	Generic MM-SC/xx	1

1. The LP8000-EMC HBA has a permanent GBIC, and does not have copper cable support.

2. Linux v2.4.x Kernels support a maximum of 128 devices per system.

Fuji Serv (ICL)

Fuji Serv (ICL)			
No.	Host Bus Adapter	Cable	Number of Ports
1	Fuji Serv (ICL) Mark: 1 H570, 2 H570, 3 H593	Fuji Serv (ICL) BN585/032	1

Fujitsu

Fujitsu			
No.	Host Bus Adapter	Cable	Number of Ports
1	Fujitsu F7958HS1	Generic: C12M-68S, C19M-68S, C6M-68S	1
2	Fujitsu GP7B8FC1	Generic MM-SC/xx	1
3	Fujitsu PW008FC2	Generic MM-LC/xx	1
4	Fujitsu: BMC-Parallel, OCLINK	Generic 4260-100A 100' BUS & TAG SET; Generic 4260-125 125' BUS & TAG SET; Generic 4260-150 150' BUS & TAG SET; Generic 4260-175 175' BUS & TAG SET; Generic 4260-200 200' BUS & TAG SET; Generic 4260-25A 25' BUS & TAG SET; Generic 4260-50A 50' BUS & TAG SET; Generic 4260-75 75' BUS & TAG SET; Generic: FIBER-107M FBR CBL ESCON 107Mts, FIBER-122M FBR CBL ESCON 122Mts, FIBER-13M FBR CBL ESCON 13 Mts	1
5	Fujitsu: GP70F-CS02, X6541A-A	Generic: C12M-SUN, C20M-SUN, C6M-SUN	1

Fujitsu Siemens

Fujitsu Siemens			
No.	Host Bus Adapter	Cable	Number of Ports
1	Fujitsu Siemens ESCON	Generic 038-000-4xx	1
2	Fujitsu Siemens GP70F-CS02	Generic: C12M-SUN, C20M-SUN, C6M-SUN	1
3	Fujitsu Siemens RM6T5-CS05	Generic C25M-68S	1

Fujitsu Siemens			
No.	Host Bus Adapter	Cable	Number of Ports
4	Fujitsu Siemens: GP70F-CF10 (Emulex LP8000-F1), GS214FC05, GS216FC05, GS8551C05, GS8951C05, LP8000-EMC (GP70F-CF10) (PP028FC1X), RM300-CF02, RM400-CF02, RM6T5-CF10	Generic MM-SC/xx	1
5	Fujitsu Siemens: GP70F-CF30 (Emulex LP9002L-F2), LP9002-E (LP9002L-E) GP70F-CF30, LP9802-E (GP70F-CF31)	Generic MM-LC/xx	1
6	Fujitsu Siemens: RM400-CS20, RM6T5-CS05	Generic: C12M-68S, C19M-68S, C6M-68S	1
7	Fujitsu Siemens: RM610-CS9, RM6T5-CU13	Generic: C10M-SNI, C20M-SNI, C5M-SNI	1

HPQ

HPQ			
No.	Host Bus Adapter	Cable	Number of Ports
1	HPQ A4800A ³	Generic: C10M-AIT, C20M-AIT ⁵ , C5M-AIT	1
2	HPQ A5159B	Generic C12M-PCS	1
3	HPQ A5252A ⁸	Generic: C12M-SUN, C20M-SUN, C6M-SUN	1
4	HPQ: 176479-B21, 223180-B21, A3404A, A3591A, A3591B, A3636A, A3740A, A5158A, A5246A (Agilent HHBA-5000A ⁷ , A6684A, A6685A, D8602A (Agilent HHBA-5101B) ^{7, 10} , D8602B (Agilent HHBA-5101C) ^{7, 11} , DS-KGPSA-CB (LP8000), DS-KGPSA-CY (LP8000), KGPSA-BC (380574-001), KGPSA-CA (168794-B21)	Generic MM-SC/xx	1
5	HPQ: 28696A, 4A-KZPBA-CY, A3644A, A4107A, A5252A ⁸ , A5252B ⁸ , KZPBA-CB, KZPBA-CY, KZPSA-BB ¹²	Generic: C12M-68S, C19M-68S, C6M-68S	1
6	HPQ: 28696A, 4A-KZPBA-CY, A3644A, A4107A, KZPBA-CB, KZPBA-CY, KZPSA-BB ¹²	Generic C25M-68S	1
7	HPQ: 4A-KZPBA-CY, KZPBA-CB, KZPBA-CY	Generic C20M-68S	1
8	HPQ: 4A-KZPBA-CY, KZPBA-CB, KZPBA-CY, KZPSA-BB ¹²	Generic CY-MULTI ²	1
9	HPQ: A4800A ³ , A5149A ⁶ , A5150A ⁶ , A5159A ³ , A5838A ⁶	Generic: C12M-SUN ⁴ , C20M-SUN ^{4, 5} , C6M-SUN ⁴	1
10	HPQ: A5252A ⁸ , A5252B ⁸	Generic CY-MULTI ⁹	1
11	HPQ: A6795A ¹ , A7298A (LP982), A9782A ^{13, 14} , AB232A (LP9802), DS-KGPSA-CA (LP8000), FCA2101 (LP952), FCA2214 (QLA2340), FCA2354 (LP9002), FCA2384 (LP9802), FCA2404 (LP9802), FCA2408 (LP982), KGPSA-DA (261329-B21), KGPSA-EA	Generic MM-LC/xx	1
12	HPQ: A6826A ^{13, 14} , Dual-port mezzanine controller card, FCA2214DC (QLA2342), FCA2355 (LP9002DC), FCA2404DC (LP9802DC)	Generic MM-LC/xx	2

1. As of April 2, 2003 the A6795A HBA is no longer supported on the following platforms as an add-on product. However HP will continue to support the A6795A HBA on existing installations.

L1000 (product number A5576A)
L2000 (product number A5191A)
N4000 Revision A (product number A3639A)
N4000 Revision B (product number A3639B)

- Tru64 4.0F/4.0G: TruCluster 1.6 environment only.
- A4800A and A5159A HBAs are both capable of Ultra 1 speeds, but ship from HP with a default setting of FWD. Symmetrix is supported at Ultra 1 speeds with both these HBAs. Ultra 1 can be enabled in the V-Class, N-Class, and L-Class, A-Class and Superdome PDC firmware. V-Class supports the A4800A Only.

HP e3000 MPE SYSTEMS – The above note applies but only includes the A-Class and N-Class Servers. The HP e3000 A-Class does not support the dual port HBA A5159A.

- The cables are the same as the Cxx mini 68S ('VHDCI' 8mm to SCSI3). Cables require termination at host end for N-Class, L-Class, A-Class and Superdome. Can be terminated either on cable, or on HBA, but not both.
- SCSI cable length may not exceed 12 meters when running in either Ultra SCSI or Ultra2 LVD SCSI speeds.
- Symmetrix 5567 code is required to support Ultra2 LVD SCSI director (DP3-U2SD4L).
- EMC recommends that HBAs of different vendors not be used in the same host server.
- (Adaptec AHA-2944UW)
- Used in clustered environments only.
- (HHBA-5101BK-01)
- The HP D8602B Tachlite Fibre Channel HBA does not come standard with a GBIC. An optional shortwave optical GBIC, HP part number D6975A, must be ordered separately from HP.
- KZPSA-BB [FWD] has been discontinued by HPQ (Compaq).
- Required Patch PHKL_28569, PHKL_26938 and 2port 2Gig driver version 11.11.01.
- Host must be configured as a 64Bit operating system.

Hitachi

Hitachi			
No.	Host Bus Adapter	Cable	Number of Ports
1	Hitachi: BMC-Parallel, Hitachi ACONARC	Generic 4260-100A 100' BUS & TAG SET; Generic 4260-125 125' BUS & TAG SET; Generic 4260-150 150' BUS & TAG SET; Generic 4260-175 175' BUS & TAG SET; Generic 4260-200 200' BUS & TAG SET; Generic 4260-25A 25' BUS & TAG SET; Generic 4260-50A 50' BUS & TAG SET; Generic 4260-75 75' BUS & TAG SET; Generic: FIBER-107M FBR CBL ESCON 107Mts, FIBER-122M FBR CBL ESCON 122Mts, FIBER-13M FBR CBL ESCON 13 Mts	1

IBM

IBM			
No.	Host Bus Adapter	Cable	Number of Ports
1	IBM 6205	Generic C12M-SUN	1

IBM			
No.	Host Bus Adapter	Cable	Number of Ports
2	IBM 6209	Generic: C12M-68S, C19M-68S, C25M-68S, C6M-68S	1
3	IBM 6501	Generic: C12M-AS4, C20M-AS4, C6M-AS4	1
4	IBM BMC-Parallel	Generic 4260-100A 100' BUS & TAG SET; Generic 4260-125 125' BUS & TAG SET; Generic 4260-150 150' BUS & TAG SET; Generic 4260-175 175' BUS & TAG SET; Generic 4260-200 200' BUS & TAG SET; Generic 4260-25A 25' BUS & TAG SET; Generic 4260-50A 50' BUS & TAG SET; Generic 4260-75 75' BUS & TAG SET; Generic Partan-100 100' BUS	1
5	IBM ESCON	Generic: FIBER-107M FBR CBL ESCON 107Mts, FIBER-122M FBR CBL ESCON 122Mts, FIBER-13M FBR CBL ESCON 13 Mts, FIBER-22M FBR CBL ESCON 22 Mts, FIBER-31M FBR CBL ESCON 31 Mts, FIBER-46M FBR CBL ESCON 46 Mts, FIBER-4M FBR CBL ESCON 4 Mts, FIBER-61M FBR CBL ESCON 61 Mts, FIBER-77M FBR CBL ESCON 77 Mts, FIBER-7M FBR CBL ESCON 7 Mts, FIBER-92M FBR CBL ESCON 92 Mts	1
6	IBM FICON ⁴	Generic SM-SC/xx	1
7	IBM HS20 FC Exp Card(48P7061) with 2 Port Switch Module 48P7062 ⁹	Generic MM-SC/xx	2
8	IBM HS20 FC Exp Card(48P7061) with Optical Pass-thru Module 02R9080 ^{7, 8}	Generic: MM-LC/xx, MM-SC/xx	1
9	IBM: 00N6881 (QLA2200) ¹ , 6227, FICON, IOC-210-52 (LP6500) ² , IOC-210-54 (LP7000E-N1) ²	Generic MM-SC/xx	1
10	IBM: 19K1246(QLA2310) ⁵ , 24P0960(QLA2340) ⁶ , 2766, 2787, 6228, 6239	Generic MM-LC/xx	1
11	IBM: 2412, 2416	Generic: C12M-PCS, C25M-PCS, C6M-PCS	1
12	IBM: 6204, 6207	Generic: C12M-68S, C19M-68S, C6M-68S	1
13	IBM: FC to SCSI Bridge, FCB 1000-MB	Generic: C10V-NUMA, C15M-NUMA, C3M-NUMA, C7M-NUMA	1
14	IBM: QCIC-E, QCIC-W-CTLR-01	Generic: C10M-SEQ, C20MSEQ, C5M-SEQ, CY-MULT ⁸ , CY-SEQ ³	1

1. (QLA2200) For IBM xSeries and Netfinity servers only.

2. EMC DP3-FCD42G and EMC DP3-FCD42GS supported on DYNIX/ptx 4.4.8, 4.4.9 and 4.4.10 only.

3. Used in clustered environments only.

4. Symmetrix FICON (DP3-FND2x), for both singlemode (SM) and multimode (MM) uses SC connectors. When connecting Symmetrix FICON to a Connectrix ED-64M or ED-140M use the MM and SM cable choices for SC/LC. Refer to the FICON Board Release Notes for all other cases.

5. This HBA is equivalent to the qLogic QLA2310.

6. This HBA is equivalent to the qLogic QLA2340.

7. When flashing HBA bios on the HS20 FC Expansion card, you may receive the error message: "Error erasing flash at I/O address 2600 (this is the second port on the HBA)"

This is a known issue as the expansion card only has one flashable port. IBM is working to resolve this and this message can be ignored.

8. **Connection through an EMC SAN fabric is supported. See the Fibre Channel Section of this guide for supported switches in the SAN fabric.**

9. **Ports from the 2 port switch module(48P7062) must be directly connected to ports on the EMC storage system.**

JNI

JNI			
No.	Host Bus Adapter	Cable	Number of Ports
1	JNI: FC-1063-EMC, FC64-1063-DG, FC64-1063-EMC, FC64-1063-N-DG, FCE-1063-E, FCI-1063-EMC	Generic MM-SC/xx	1
2	JNI: FCE2-1063-E, FCE2-6412-E	Generic MM-SC/xx	2
3	JNI: FCE2-1473-E, FCX2-6562-E	Generic MM-LC/xx	2

LSI

LSI			
No.	Host Bus Adapter	Cable	Number of Ports
1	LSI ITI7004G2 ¹	Generic MM-LC/xx	4

1. Requires package PSCSI302 Ver.02.10.10.09 or higher available from NCR.

NCR

NCR			
No.	Host Bus Adapter	Cable	Number of Ports
1	NCR 53C700-Q720	Generic: C10M-50S, C19M-50S, C5M-50S, C6M-50S	1
2	NCR 53C720-Q720	Generic: C12M-68S, C12M-SUN, C19M-68S, C20M-SUN, C25M-68S, C6M-68S, C6M-SUN	1
3	NCR PQS2.1	Generic: C12M-NCR, C12M-SUN, C19M-NCR, C20M-SUN, C6M-NCR, C6M-SUN	1
4	NCR: 4400-F280, 4400-F282, HP-PQS, PQS2.0	Generic: C12M-NCR, C19M-NCR, C6M-NCR	1

NEC

NEC			
No.	Host Bus Adapter	Cable	Number of Ports
1	NEC N4209-54	Generic: C12M-68S, C19M-68S, C6M-68S	1
2	NEC N8190-105	Generic MM-LC/xx ¹	1
3	NEC: N8103-200, N8503-200	Generic MM-SC/xx	1
4	NEC: N8803-031 (QLA2310F), NT2007A-A001 ³ , NT2010A-A001 ² , NTAB232A (LP9802)	Generic MM-LC/xx	1

- Linux v2.4.x Kernels support a maximum of 128 devices per system.
- This HBA is equivalent to the qLogic QLA2340.
- This HBA is equivalent to the Emulex LP982.

QLogic

QLogic			
No.	Host Bus Adapter	Cable	Number of Ports
1	QLogic QLA1041	Generic CY-MULTI ¹	1
2	QLogic QLA1041D	Fuji Serv (ICL) BN551/175 ² ; Generic CY-MULTI	1
3	QLogic QLA2100F	Fuji Serv (ICL) BN550/194	1
4	QLogic QLA2100F-EMC	Fuji Serv (ICL) BN550/194 ³	1
5	QLogic QLA2204F	Generic MM-LC/xx	4
6	QLogic QLA2342-E-SP	Generic MM-LC/xx	2
7	QLogic: QCP2202F-E-SP, QLA2100F, QLA2100F-EMC, QLA2200F, QLA2200F-EMC	Generic MM-SC/xx	1
8	QLogic: QCP2202F-E, QLA2202F-EMC, QLA2202FS-E	Generic MM-SC/xx	2
9	QLogic: QLA1041, QLA1041B, QLA1041D	Generic: C12M-68S, C19M-68S, C6M-68S	1
10	QLogic: QLA1041D, QLA1240D	Generic: C12M-SUN, C20M-SUN, C6M-SUN	1
11	QLogic: QLA2300F-E-SP, QLA2310F-E-SP, QLA2340-E-SP	Generic MM-LC/xx	1

- Used in clustered environments only.
- External SCSI cable 19m differential.
- Fujitsu Services (ICL) P/N BN550/194 (Cable feature) Plus DN550/171 (Terminator)

SGI

SGI			
No.	Host Bus Adapter	Cable	Number of Ports
1	SGI PCI-FC-1P-OPT-B	Generic MM-LC/xx	1
2	SGI PCI-SCSI-U3-2P	Generic: C12M-SUN, C6M-SUN	1
3	SGI XT-FC-1P-COP-A	SGI SGI: FC-HSS-10M, FC-HSS-5M	1
4	SGI: P-S-HIO SCSI, PCI-SCSI-1P, XT-SCSIB-4P	Generic: C12M-68S, C19M-68S, C6M-68S	1
5	SGI: PCI-FC-1P, PCI-FC-1P-OPT-A, PCI-FC-1P-OPT-B, XT-FC-1P-OPT-A, XT-FC-2P, XT-SCSIB-4P	Generic MM-SC/xx	1

Sun

Sun			
No.	Host Bus Adapter	Cable	Number of Ports
1	Sun X1062A/A5 (DWIS)	Generic: C12M-68S, C19M-68S, C25M-68S, C6M-68S	1
2	Sun X6541A	Generic: C12M-SUN, C20M-SUN, C6M-SUN	2
3	Sun X6541A-X	Generic: C12M-SUN, C20M-SUN, C6M-SUN	1
4	Sun X6767A (SG-XPCI1FC-QF2)	Generic MM-LC/xx	1
5	Sun X6768A (SG-XPCI2FC-QF2)	Generic MM-LC/xx	2
6	Sun: X1065A, X1065A (DWIS)	Generic: C12M-68S, C19M-68S, C6M-68S	1

Symbios

Symbios			
No.	Host Bus Adapter	Cable	Number of Ports
1	Symbios SYM22802	Generic: C12M-SUN, C20M-SUN, C6M-SUN	1

Unisys

Unisys			
No.	Host Bus Adapter	Cable	Number of Ports
1	Unisys CA225-BMC	Generic: 4525-25, 4625-100, 4625-125, 4625-150, 4625-175, 4625-200, 4625-50, 4625-75	1
2	Unisys CA225-USC	Generic: FIBER-107M FBR CBL ESCON 107Mts, FIBER-122M FBR CBL ESCON 122Mts, FIBER-13M FBR CBL ESCON 13 Mts, FIBER-22M FBR CBL ESCON 22 Mts, FIBER-31M FBR CBL ESCON 31 Mts, FIBER-46M FBR CBL ESCON 46 Mts, FIBER-4M FBR CBL ESCON 4 Mts, FIBER-61M FBR CBL ESCON 61 Mts, FIBER-77M FBR CBL ESCON 77 Mts, FIBER-7M FBR CBL ESCON 7 Mts, FIBER-92M FBR CBL ESCON 92 Mts	1
3	Unisys CA312-SCI	Generic: C12M-UNI, C19M-UNI, C6M-UNI	1
4	Unisys FCA1850-LC	Generic MM-LC/xx	2
5	Unisys FCH732213-P64 (LP9002L-F2)	Generic MM-LC/xx ¹⁰	1
6	Unisys FCH742313-P64 (LP9802)	Generic MM-LC/xx	1
7	Unisys PCI 400-2UD	Generic: C12M-68S ⁸ , C12M-SUN, C19M-68S ⁸ , C20M-SUN, C6M-68S ⁸ , C6M-SUN	1
8	Unisys PCI: 1100-FC (QLA2100), 1120-FC (QLA2100-EMC, QLA2100F)	Generic MM-SC/xx ⁹	1

Unisys			
No.	Host Bus Adapter	Cable	Number of Ports
9	Unisys PCI: 400-1UD (AHA2944UW), 400-4UD (AHA4944UW)	Generic: C12M-68S, C19M-68S, C6M-68S, CY-MULTI ⁷	1
10	Unisys UN6000-EWD	Generic: C12M-68S ⁸ , C19M-68S ⁸ , C6M-68S ⁸	1
11	Unisys UN6500-SSB (Unisys)	Generic: C12M-68S, C19M-68S, C6M-68S ⁸	1
12	Unisys: CA322-SCI, CA332-SCI	Generic: C12M-68S, C19M-68S, C6M-68S	1
13	Unisys: FCA601-CU ² , FCA601-LW ³ , FCA601-SW ¹ , FCA621-CU ² , FCA622-C ¹ , FCA622-SW ¹ , FCA623-LW ³ , FCA661-CU ⁵ , FCA662-SW ⁴ , FCA663-LW ⁶	Generic MM-SC/xx	1
14	Unisys: FCH720111-P64 (LP8000-D1), FCH720113-P64 (LP8000-EMC, LP8000-F1)	Generic: C12M-68S, C19M-68S, C6M-68S, FC100M-50M, FC10M-50M, FC30M-50M, FC50M-50M, FC5M-50M, MM-SC/xx	1
15	Unisys: FCH730211-P64 (QLA2200/66 HSSDC), FCH730213-P64 (QLA2200/66 SC)	Generic MM-SC/xx ^{8,9}	1
16	Unisys: OSR2944-HBA (AHA-2944DW), SFA 1001-QDW (Adaptec AHA4944), SFA 1001-SDW (Symbios 825A), SFA 10201-SDW (Symbios 8751D)	Generic: C12M-68S ⁸ , C19M-68S ⁸ , C6M-68S ⁸ , CY-MULTI ⁷	1

1. Fibre Short Wave
2. Fibre Copper
3. Fibre Long Wave
4. Hi Perform Short Wave
5. Hi Perform Fibre Copper
6. Hi Perform Long Wave
7. Used in clustered environments only.
8. Equivalent Unisys Cables: SCI6-68S, SCI12-68S, SCI19-68S, SCI25-68S ; CBL133-XX (XX=length per PB), CBL224-OSM (4' VHD 68 to HD 68), CBL2210-OSM (10' VHD to HD 68); ADP25421-FTM (for CBL 133-XX to VHD HBA)
9. Equivalent Unisys Cables: FC 5-M, FC 10-M, FC 30-M, FC 50-M, FC100-M; CBL144-XX (SCSI duplex to SCSI duplex, XX=50, 100, 300, 400, 500).
10. Linux v2.4.x Kernels support a maximum of 128 devices per system.

Cables and Connectors

Cables

LC and SC fiber-optic connector types are illustrated in Figure 1.
 MM = Multimode, SM = Single-mode, SC = Standard Connector, LC = Lucent Connector, See the Connector Types table.

As an example for determining cable model:
 From the Single Host Tables in the column titled "Cable Models," the entry MM-SC/xx is interpreted as follows:
 MM = mode, SC = HBA connector end, xx = the opposite cable end, which could be SC or LC.
 For MM SC/LC, use cable FCxM-50MSLC, where x = desired length in meters.
 For MM SC/SC, use cable FCxM-50M, where x = desired length in meters.

Storage System	Interface	Mode	Connector Type	Cable Length (Meters)								
				1M	3M	5M	10M	30M	50M	100M	250M	500M
CLARiiON	Fibre Channel	MM	SC/SC			FC-OPT5M	FC-OPT10M		FC-OPT50M	FC-OPT100M	FC-OPT250M	FC-OPT500M
CLARiiON	Fibre Channel	MM	SC/LC LC/SC	FM-LS1MD ¹	FM-LS3MD ¹	FM-LS5MD	FM-LS10MD	FM-LS30MD	FM-LS50MD	FM-LS100MD		
CLARiiON	Fibre Channel	MM	LC/LC	FM-LL1MD ¹	FM-LL3MD ¹	FM-LL5MD	FM-LL10MD	FM-LL30MD	FM-LL50MD	FM-LL100MD		
Symmetrix 8000 Series, DMX Series	Fibre Channel, GigE ⁴	MM	SC/SC			FC5M-50M	FC10M-50M	FC30M-50M	FC50M-50M	FC100M-50M		
Symmetrix 8000 Series, DMX Series	Fibre Channel, GigE ⁴	MM	SC/LC LC/SC	FC1M-50MSLC ³	FC3M-50MSLC ³	FC5M-50MSLC	FC10M-50MSLC	FC30M-50MSLC	FC50M-50MSLC	FC100M-50MSLC		
Symmetrix 8000 Series, DMX Series	Fibre Channel, GigE ⁴	MM	LC/LC	FC1M-50MLC	FC3M-50MLC	FC5M-50MLC	FC10M-50MLC	FC30M-50MLC	FC50M-50MLC	FC100M-50MLC		
Symmetrix 8000 Series, DMX Series	Fibre Channel	SM	SC/SC			FC5M-9M	FC10M-9M	FC30M-9M	FC50M-9M	FC100M-9M		See note ²
Symmetrix 8000 Series, DMX Series	Fibre Channel	SM	SC/LC LC/SC	FC1M-9MSLC ³	FC3M-9MSLC ³	FC5M-9MSLC	FC10M-9MSLC	FC30M-9MSLC	FC50M-9MSLC	FC100M-9MSLC		
Symmetrix 8000 Series, DMX Series	Fibre Channel	SM	LC/LC			FC5M-9MLC	FC10M-9MLC	FC30M-9MLC	FC50M-9MLC	FC100M-9MLC		
Symmetrix 8000 Series	GigE ⁴	MM	SC/LC ⁵	FC1M-62M	FC3M-62M	FC5M-62M	FC10M-62M	FC30M-62M	FC50M-62M	FC100M-62M		
Symmetrix 8000 Series	GigE ⁴	MM	SC/LC ⁶			FC5M-62MSLC	FC10M-62MSLC	FC30M-62MSLC	FC50M-62MSLC	FC100M-62MSLC		
Symmetrix DMX Series	GigE/ESCON ⁷	MM	SC/LC ⁷		FC3M-62MSLC ³	FC5M-62MSLC	FC10M-62MSLC	FC30M-62MSLC	FC50M-62MSLC	FC100M-62MSLC		
Symmetrix DMX Series	GigE/ESCON ⁸	MM	LC/LC ⁸	FC1M-62MLC	FC3M-62MLC	FC5M-62MLC	FC10M-62MSLC	FC30M-62MLC	FC50M-62MLC	FC100M-62MLC		

- Ships with SC male-to-female adapter.
- For cable lengths between 100 and 500 meters, contact AMP Incorporated at 717-986-5710 or a local fiber-optic cable supplier/installer.
- Provided with an SC coupler, which allows connection to existing fibre cable plants using SC connectors.
- Do not mix 50 micron and 62.5 micron cables.
- For GigE direct connection and connection to patch panels and Ethernet switches using SC connectors.
- For GigE connection to patch panels or Ethernet switches using LC connectors.
- 3 meter cable: For ESCON connection to existing 62.5 micron multimode cabling using SC connectors. Other lengths: For ESCON connection to patch panels or ESCON switches using SC connectors.
- For GigE connection to patch panels or Ethernet switches using LC connectors. For ESCON direct connection or connection to patch panels or ESCON switches using LC connectors.



FIGURE 1. LC and SC Fiber-optic Connectors with SC Coupler.
 The Lucent LC has a form factor about half the size of the SC connector, and uses an insertion release mechanism similar to those on telephone plugs.

ESCON Adapter Cables

Storage System	Connection	Model	Description	Comments
Symmetrix 8000 Series	ESCON	FC3M-MTSCADP	MTRJ/ESCON – 3 meter with ESCON coupler.	For connecting Symmetrix to IBM directors via ESCON 62.5 micron cable using new MTRJ connectors.
Symmetrix DMX Series	ESCON	FC3M-LCESCADP	LC/ESCON – 3 meter with ESCON ST coupler.	For ESCON connection to existing 62.5 micron cable using ESCON duplex connectors.
Symmetrix DMX Series	ESCON	FC3M-MTSCADP	MTRJ/ESCON – 3 meter with ESCON coupler.	For connecting Symmetrix to IBM directors via ESCON 62.5 micron cable using new MTRJ connectors.
Symmetrix DMX Series	ESCON	FC3M-MTLCADP	MTRJ/LC – 3 meter with LC coupler.	For connecting Symmetrix to IBM directors via ESCON 62.5 micron cable using new MTRJ connectors.

Connector Types

MM = Multimode, SM = Single-mode, SC = Standard Connector, LC = Lucent Connector (LC and SC fiber-optic connector types are illustrated in Figure 1.)

Storage and FC Hub/Switch Models	Adapter	Interface	Connector Type	#of Connections-Mode(s)	Comments
CLARiON CX600			LC	8 MM	2 Gbit, 4 connects per SP
CLARiON 4700-2			LC	4 MM	1 or 2 Gbit, 2 connects per SP
CLARiON 4700			SC	4 MM	1 Gbit, 2 connects per SP
CLARiON 4500			SC	4 MM	1 Gbit, 2 connects per SP
CLARiON 5300			SC	4 MM	1 Gbit, 2 connects per SP; requires a MIA for each connect
Symmetrix 3/5000 Series	DP2-FCD2	Fibre Channel	SC	2 MM	
Symmetrix 3/5000 Series	DP2-RFD2	Fibre Channel	SC	2 MM	
Symmetrix 3/5000 Series	DP2-RFD2S	Fibre Channel	SC	1 MM, 1 SM	
Symmetrix 8000 Series	DP3-RFD2	Fibre Channel	SC	2 MM	
Symmetrix 8000 Series	DP3-FCD2	Fibre Channel	SC	2 MM	
Symmetrix 8000 Series	DP3-RFD2S	Fibre Channel	SC	1 MM, 1 SM	
Symmetrix 8000 Series	DP3-FCD2S	Fibre Channel	SC	1 MM, 1 SM	
Symmetrix 8000 Series	DP3-FCD4	Fibre Channel	SC	4 MM	SRDF support at 5568
Symmetrix 8000 Series	DP3-FCD8	Fibre Channel	SC	8 MM	
Symmetrix 8000 Series	DP3-FCD42GS ¹	Fibre Channel	LC	3 MM, 1 SM	2Gb FC Director
Symmetrix 8000 Series	DP3-RFD42GS	Fibre Channel	LC	3 MM, 1 SM	2Gb FC Director
Symmetrix 8000 Series	DP3-FCD42G ¹	Fibre Channel	LC	4 MM	2Gb FC Director
Symmetrix 8000 Series	DP3-RFD42G	Fibre Channel	LC	4 MM	2Gb FC Director
Symmetrix 8000 Series	DP3-SCB1 ²	Fibre Channel	LC	12 MM	No SRDF support
Symmetrix 8000 Series	DP3-SCQ1 ²	Fibre Channel	LC	12 MM	No SRDF support
Symmetrix 8000 Series	DP3-GBENET2	GigE	SC	4 MM	
Symmetrix 8000 Series	DP3-FND2M	FICON	SC	2 MM	
Symmetrix 8000 Series	DP3-FND2MS	FICON	SC	1 MM, 1 SM	
Symmetrix 8000 Series	DP3-FND2S	FICON	SC	2 SM	
Symmetrix DMX1000/2000/3000	DMX-FCD8M0S	Fibre Channel	LC	8 MM	
Symmetrix DMX1000/2000/3000	DMX-FCD7M1S	Fibre Channel	LC	7 MM, 1 SM	
Symmetrix DMX1000/2000/3000	DMX-FCD6M2S	Fibre Channel	LC	6 MM, 2 SM	
Symmetrix DMX1000/2000/3000	DMX-0004	FICON	LC	4 SM FICON	
Symmetrix DMX1000/2000/3000	DMX-0013	GigE, FICON	LC	1 MM GigE, 3 SM FICON	
Symmetrix DMX1000/2000/3000	DMX-0020	GigE	LC	2 MM GigE	
Symmetrix DMX1000/2000/3000	DMX-0022	GigE, FICON	LC	2 MM GigE, 2 SM FICON	
Symmetrix DMX1000/2000/3000	DMX-0040	GigE	LC	4 MM GigE	
Symmetrix DMX800	DMX-FE-8M0S	Fibre Channel	LC	8 MM FC	
Symmetrix DMX800	DMX-FE-7M1S	Fibre Channel	LC	7 MM FC, 1 SM FC	
Symmetrix DMX800	DMX-FE-6M2S	Fibre Channel	LC	6 MM FC, 2 SM FC	
Symmetrix DMX800	DMX-FE-4M0S	Fibre Channel	LC	4 MM FC	
Symmetrix DMX800	DMX-FE-3M1S	Fibre Channel	LC	3 MM FC, 1 SM FC	
Symmetrix DMX800	DMX8-F	FICON	LC	2 SM FICON	
Symmetrix DMX800	DMX8-G	GigE	LC	2 MM GigE	
Symmetrix DMX800	DMX8-GF	GigE, FICON	LC	1 MM GigE, 1 SM FICON	
Connectrix ED-12000B, Brocade 12000	N/A		LC	128 max. MM	
Connectrix DS-32B2, Brocade 3900	N/A		LC	32 max. MM(SM)	
Connectrix ED-64M, McData ED-6064	N/A		LC	64 max. MM(SM)	
Connectrix ED-140M, McData ED-6140	N/A		LC	140 max. MM(SM)	
Connectrix DS-16M2, McData ES-3216	N/A		LC	16 max. MM(SM)	
Connectrix DS-32M2, McData ES-3232	N/A		LC	32 max. MM(SM)	

Storage and FC Hub/Switch Models	Adapter	Interface	Connector Type	#of Connections-Mode(s)	Comments
Connectrix ED-1032, IBM 2032-001, McData ED-5000	N/A		SC	32 max. MM(SM)	
Connectrix DS-16M, McData ES-3016	N/A		LC	16 max. MM	
Connectrix DS-24M2, McData ES-4500	N/A		LC	24 max. MM(SM)	
Connectrix DS-32M, McData ES-3032	N/A		LC	32 max. MM(SM)	
Connectrix DS-8B, Brocade 2400, FCS-0008-01	N/A		SC	8 MM	
Connectrix DS-16B, Brocade 2800, Bull MSKG00008-0000, FCS-0016-05	N/A		SC	16 max. MM	
Connectrix DS-16B-02, Brocade 2800	N/A		SC	14 MM, 2 SM	
Connectrix DS-16B2, Brocade 3800	N/A		LC	16 MM	
Brocade 3200	N/A		LC	8 MM	
Brocade 6400	N/A		SC	64 MM	
Brocade 1000, ES-2500	N/A		SC	16 max. MM	
Cisco MDS 9216	N/A		LC	48 max. MM	
Cisco MDS 9509	N/A		LC	224 max. MM	
Inrange FC9000/64	N/A		SC	64 MM	
Switches Compaq DS-DSGGA-AA (#380591-B21) DS-DSGGA-AB (#380578-B21) 158222-B21 (8-port) 158223-B21 (16-port) HP A5223A/AZ, A5224A/AZ, A5667A, A5624A IBM 2109, 6064 Sequent FCS-0006-01 (Brocade Silkorm Express) FCS-0006-02 (Brocade Silkorm)	N/A				For mode and connector type information for vendors' equipment, please consult their supporting documentation.
Hubs EMC DP3-FCD8 Bull LNCQ001 Gadzoos 1063CM, Gibraltar-GS, Gibraltar-GL HP A3724A/AZ, HP A4839A/AZ STK StorageNet Access HUB 1.2 Unisys OSM1000 Vixel Rapport 1000, 2000	N/A		SC		For mode and connector type information for vendors' equipment, please consult their supporting documentation.

1. 1Gb mode requires 5567.38.2, 2 Gb mode requires 5568.

2. Minimum Symmetrix microcode revision 5567.34.19A.

Fibre Channel

Switched Fabric Topology Parameters

For single fabrics consisting of McData and Brocade directors/switches & for single fabrics consisting of Cisco MDS, and Brocade, and McDATA directors/switches, see the EMC Topology Guide, at <http://avatar.eng.emc.com>.

Server / HBA model limitations are subject to switch support as listed in Fibre Connectivity: Switch Interoperability Application. EMC recommends the latest code revisions be used on all fabrics.

Switch Interoperability describes the limitations for a mixed Fibre Channel switched fabric topology. The fabric topology envelope limitations and the switch management applications are defined in the attribute columns.

The following is an example showing how to utilize the table:

1. The objective of this example are to construct a SAN consisting of three switches, A, B, and C, and to verify firmware and management application compatibility. In this case you need to verify that each of these components interoperates with the other two.
2. As the data shows, devices listed in the Switch column can be the same SAN with devices listed in the Interoperable Switch column. For example: switch A running firmware X can interoperate with switch B running firmware Y, and switch A running firmware X can interoperate with switch C running firmware Z.
3. In order to verify that switch B running firmware Y can also interoperate with switch C running firmware Z, find switch A in the Switch column and switch B in the Interoperable Switch column. These two steps verify that all three firmware levels are compatible with each other.

For DWDM support, see the Distance Extension Solution Interoperability Application and the "Distance Extension Considerations" in the EMC Networked Storage Topology Guide at <http://avatar.eng.emc.com>.

For McData switches and directors, Single Mode optics support 10km, 20km, and 35km distance switch to switch.

For Brocade switches and directors, Single Mode optics support 10km, 20km, and 35km distance switch to switch.

No.	Switch	Switch Firmware Revision	Interoperable Switch	Interoperable Switch Firmware Revision	Max # of Domains per Fabric	Max # Hops	Switch Management Application Revision	ISL Domain to Domain	Comments
1	Brocade Silkworm 1000; McDATA ES-2500	1.6d	Brocade Silkworm 1000; McDATA ES-2500	1.6d	4 ⁴	1 ⁶	Fabric Manager 4.0.1, Web Tools ^{2,3}	4 ⁵	
2	Brocade Silkworm 12000; EMC Connectrix ED-12000B ²²	v4.0.0d ¹	Bull MSKG008-0000 ^{17,18}	2.6.0d	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2,3}	2 ⁵	See ^{19,20,21}
3	Brocade Silkworm 6400	v2.4.1a	Brocade Silkworm 6400	V2.4.1a	0 ⁴	0 ⁶	Fabric Manager 1.0 ^{2,3}	0 ⁵	See ²⁸
4	Brocade Silkworm: 12000, 3900; EMC Connectrix: DS-32B ²² , ED-12000B ²²	4.1.1a ^{9,23}	Brocade Silkworm: 12000, 3900; EMC Connectrix: DS-32B ²² , ED-12000B ²²	4.1.1a ^{9,23}	24 ^{4,31}	3 ⁶	Fabric Manager 4.0.1 ^{2,3} , Web Tools ^{2,3}	8	See ^{19,20,21}
5	Brocade Silkworm: 12000, 3900; EMC Connectrix: DS-32B ²² , ED-12000B ²²	4.1.1a ^{9,23}	Brocade Silkworm: 2400, 2800; EMC Connectrix: DS-16B ¹² , DS-8B	2.6.1a ^{9,23}	24 ^{4,31}	3 ⁶	Fabric Manager 4.0.1 ^{2,3} , Web Tools ^{2,3}	8	See ^{19,20,21}
6	Brocade Silkworm: 12000, 3900; EMC Connectrix: DS-32B ²² , ED-12000B ²²	4.1.1a ^{9,23}	Brocade Silkworm: 3200, 3800; EMC Connectrix DS-16B ²¹⁴	3.1.1a ^{9,23}	24 ^{4,31}	3 ⁶	Fabric Manager 4.0.1 ^{2,3} , Web Tools ^{2,3}	2	See ^{19,20,21}
7	Brocade Silkworm: 12000, 3900; EMC Connectrix: DS-32B ²² , ED-12000B ²²	v4.0.2a	Bull MSKG008-0000 ^{17,18}	2.6.0f	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2,3}	8 ⁵	See ^{19,20,21}
8	Brocade Silkworm: 12000, 3900; EMC Connectrix: DS-32B ²² , ED-12000B ²²	v4.0.2a	EMC Connectrix DS-8B2	3.0.2m	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2,3}	2 ⁵	See ^{19,20,21}
9	Brocade Silkworm: 2400, 2800; Bull MSKG008-0000 ^{17,18} ; EMC: Connectrix DS-16B ¹² , DP3-SCB1	a2.4.1f	Bull MSKG008-0000 ^{17,18} ; EMC DP3-SCB1	a2.4.1f	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2,3}	4 ⁵	See ^{24,25}
10	Brocade Silkworm: 2400, 2800; Bull MSKG008-0000 ^{17,18} ; EMC: Connectrix DS-16B ¹² , DP3-SCB1	a2.5.0d	Bull MSKG008-0000 ^{17,18} ; EMC DP3-SCB1	a2.5.0d	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2,3}	4 ⁵	See ^{24,25}
11	Brocade Silkworm: 2400, 2800; Bull MSKG008-0000 ^{17,18} ; EMC: Connectrix DS-16B ¹² , DP3-SCB1	a2.5.1b	Bull MSKG008-0000 ^{17,18} ; EMC DP3-SCB1	a2.5.1b	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2,3}	4 ⁵	See ^{24,25}
12	Brocade Silkworm: 2400, 2800; EMC Connectrix DS-16B ¹²	2.6.0d ⁹	Bull MSKG008-0000 ^{17,18}	2.6.0d	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2,3}	4 ⁵	See ^{24,25}
13	Brocade Silkworm: 2400, 2800; EMC Connectrix DS-16B ¹²	2.6.0d ⁹	EMC DP3-SCB1	v2.5.1b ⁸	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2,3}	4 ⁵	See ^{24,25}
14	Brocade Silkworm: 2400, 2800; EMC Connectrix DS-16B ¹²	2.6.0f ⁹	Bull MSKG008-0000 ^{17,18}	2.6.0f	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2,3}	4 ⁵	See ^{24,25}
15	Brocade Silkworm: 2400, 2800; EMC Connectrix DS-16B ¹²	2.6.0f ⁹	EMC Connectrix DS-8B2	3.0.2m	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2,3}	4 ⁵	See ^{24,25}
16	Brocade Silkworm: 2400, 2800; EMC Connectrix DS-16B ¹²	2.6.0f ⁹	EMC DP3-SCB1	v2.5.1b	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2,3}	4 ⁵	See ^{24,25}
17	Brocade Silkworm: 2400, 2800; EMC Connectrix DS-16B ¹²	2.6.1a ^{9,23}	Brocade Silkworm: 2400, 2800; EMC Connectrix DS-16B ¹²	2.6.1a ^{9,23}	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2,3}	4 ⁵	See ^{24,25}

No.	Switch	Switch Firmware Revision	Interoperable Switch	Interoperable Switch Firmware Revision	Max # of Domains per Fabric	Max # Hops	Switch Management Application Revision	ISL Domain to Domain	Comments
18	Brocade Silkworm: 2400, 2800; EMC Connectrix: DS-16B ¹² , DS-8B	2.6.1a ^{9, 23}	Brocade Silkworm: 3200, 3800; EMC Connectrix DS-16B ²¹⁴	3.1.1a ^{9, 23}	16 ⁴	3 ⁶	Fabric Manager 4.0.1 ^{2, 3} , Web Tools ^{2, 3}	4	See ^{24, 25}
19	Brocade Silkworm: 3200, 3800; EMC Connectrix DS-16B ²¹⁴	3.0.2m	EMC Connectrix DS-8B2	3.0.2m	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools	8 ⁵	See ³
20	Brocade Silkworm: 3200, 3800; EMC Connectrix DS-16B ²¹⁴	3.1.1a ^{9, 23}	Brocade Silkworm: 3200, 3800; EMC Connectrix DS-16B ²¹⁴	3.1.1a ^{9, 23}	16 ⁴	3 ⁶	Fabric Manager 4.0.1 ^{2, 3} , Web Tools ^{2, 3}	8	See ³
21	Bull MSKG008-0000 ^{17, 18}	2.6.0d	Brocade Silkworm: 2400, 2800; EMC Connectrix DS-16B ¹²	2.6.0d ⁹	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2, 3}	4 ⁵	See ^{24, 25}
22	Bull MSKG008-0000 ^{17, 18}	2.6.0d	Brocade Silkworm: 3200, 3800; EMC Connectrix DS-16B ²¹⁴	3.0.2f	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2, 3}	4 ⁵	See ^{24, 25}
23	Bull MSKG008-0000 ^{17, 18}	2.6.0d	Bull MSKG008-0000 ^{17, 18}	2.6.0d	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2, 3}	4 ⁵	See ^{24, 25}
24	Bull MSKG008-0000 ^{17, 18}	2.6.0d	EMC DP3-SCB1	v2.5.1b ⁸	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2, 3}	4 ⁵	See ^{24, 25}
25	Bull MSKG008-0000 ^{17, 18}	2.6.0f	Brocade Silkworm: 2400, 2800; EMC Connectrix DS-16B ¹²	2.6.0f ⁹	16 ⁴	3 ⁶	Fabric Manager 1.0 SCB Manager 2.0a (for EMC DP3-SCB1 only) ^{2, 3}	4 ⁵	See ^{24, 25}
26	Bull MSKG008-0000 ^{17, 18}	2.6.0f	Brocade Silkworm: 3200, 3800; EMC Connectrix DS-16B ²¹⁴	3.0.2h	16 ⁴	3 ⁶	Fabric Manager 1.0 SCB Manager 2.0a (for EMC DP3-SCB1 only) ^{2, 3}	4 ⁵	See ^{24, 25}
27	Bull MSKG008-0000 ^{17, 18}	2.6.0f	EMC DP3-SCB1	v2.5.1b	16 ⁴	3 ⁶	Fabric Manager 1.0 SCB Manager 2.0a (for EMC DP3-SCB1 only) ^{2, 3}	4 ⁵	See ^{24, 25}
28	Bull MSKG008-0000 ^{17, 18}	3.0.2m	Bull MSKG008-0000 ^{17, 18}	3.0.2m	16 ⁴	3 ⁶	Fabric Manager 1.0 SCB Manager 2.0a (for EMC DP3-SCB1 only) ^{2, 3}	4 ⁵	See ^{24, 25}
29	Bull MSKG008-0000 ^{17, 18} , EMC DP3-SCB1	a2.4.1f	Brocade Silkworm: 2400, 2800; EMC Connectrix DS-16B ¹²	a2.4.1f	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2, 3}	4 ⁵	See ^{24, 25}
30	Bull MSKG008-0000 ^{17, 18} , EMC DP3-SCB1	a2.5.0d	Brocade Silkworm: 2400, 2800; EMC Connectrix DS-16B ¹²	a2.5.0d	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2, 3}	4 ⁵	See ^{24, 25}
31	Bull MSKG008-0000 ^{17, 18} , EMC DP3-SCB1	a2.5.1b	Brocade Silkworm: 2400, 2800; EMC Connectrix DS-16B ¹²	a2.5.1b	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2, 3}	4 ⁵	See ^{24, 25}
32	Cisco MDS: 9120, 9140	1.2.1a	Cisco MDS: 9216, 9509	1.0(4)	8 ⁴	3 ⁶	Cisco Fabric Manager ^{2, 3}	16	See ²⁹
33	Cisco MDS: 9120, 9140, 9216, 9509	1.2.1a	Brocade Silkworm: 2400, 2800; EMC Connectrix: DS-16B ¹² , DS-8B	2.6.0f ^{8, 9}	12 ⁴	3 ⁶	Cisco Fabric Manager ^{2, 3}	2	See ²⁹
34	Cisco MDS: 9120, 9140, 9216, 9509	1.2.1a	Brocade Silkworm: 3200, 3800; EMC Connectrix: DS-16B ²¹⁴ , DS-8B ²¹⁴	3.0.2m ^{1, 8, 9, 13}	12 ⁴	3 ⁶	Cisco Fabric Manager ^{2, 3}	2	See ²⁹
35	Cisco MDS: 9120, 9140, 9216, 9509	1.2.1a	Cisco MDS: 9216, 9509	1.2.1a	12 ⁴	3 ⁶	Cisco Fabric Manager ^{2, 3}	16	See ²⁹
36	Cisco MDS: 9120, 9140, 9216, 9509	1.2.1a	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232	4.01.02 ⁸	12 ⁴	3 ⁶	Cisco Fabric Manager ^{2, 3}	2	See ²⁹
37	Cisco MDS: 9216, 9509	1.0(4)	Cisco MDS: 9216, 9509	1.0(4)	8 ⁴	3 ⁶	Cisco Fabric Manager ^{2, 3}	16	See ²⁹
38	EMC Connectrix DS-16B ¹²	2.6.0d ⁹	Brocade Silkworm: 3200, 3800; EMC Connectrix DS-16B ²¹⁴	3.0.2f	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2, 3}	4 ⁵	See ^{24, 25}
39	EMC Connectrix DS-16B ¹²	2.6.0f ⁹	Brocade Silkworm: 3200, 3800; EMC Connectrix DS-16B ²¹⁴	3.0.2m	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2, 3}	4 ⁵	See ^{24, 25}
40	EMC Connectrix DS-8B	2.1.6a ⁹	EMC Connectrix DS-8B	2.1.6a ⁹	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools ^{2, 3}	4 ⁵	See ^{24, 25}
41	EMC Connectrix DS-8B2	3.0.2m	Brocade Silkworm: 3200, 3800; EMC Connectrix DS-16B ²¹⁴	3.0.2m	16 ⁴	3 ⁶	Fabric Manager 4.0.1, Web Tools	8 ⁵	See ³
42	EMC Connectrix ED-1032; IBM 2032-001; McDATA ED-5000	4.01.00	Brocade Silkworm 3800; EMC Connectrix: DS-16B ²¹⁴ , DS-8B2	v3.0.2m	16 ⁴	3 ⁶	Connectrix Manager 7.01.00 ^{2, 3}	2	
43	EMC Connectrix ED-1032; IBM 2032-001; McDATA ED-5000	4.01.00	Brocade Silkworm 3900; EMC Connectrix DS-32B ²²	v4.0.2a	16 ⁴	3 ⁶	Connectrix Manager 7.01.00 ^{2, 3}	2	
44	EMC Connectrix ED-1032; IBM 2032-001; McDATA ED-5000	4.01.00	Brocade Silkworm: 2400, 2800; EMC Connectrix DS-16B ¹²	2.6.0d ^{8, 9}	16 ^{4, 15}	3 ⁶	Connectrix Manage ^{2, 3} , EFCM 6.00.00 ^{2, 3}	2 ⁵	See ^{10, 11}
45	EMC Connectrix ED-1032; IBM 2032-001; McDATA ED-5000	4.01.00	Brocade Silkworm: 2400, 2800; EMC Connectrix: DS-16B ¹² , DS-8B	v2.6.0f	16 ⁴	3 ⁶	Connectrix Manager 7.01.00 ^{2, 3}	2	See ¹¹

No.	Switch	Switch Firmware Revision	Interoperable Switch	Interoperable Switch Firmware Revision	Max # of Domains per Fabric	Max # Hops	Switch Management Application Revision	ISL Domain to Domain	Comments
46	EMC Connectrix ED-1032; IBM 2032-001; McDATA ED-5000	4.01.00	Brocade Silkworm: 3200, 3800; EMC Connectrix DS-16B ²¹⁴	3.0.2a ^{1, 8, 13}	16 ^{4, 15}	3 ⁶	Connectrix Manager ^{2, 3} , EFCM 6.00.00 ^{2, 3}	2 ⁵	
47	EMC Connectrix ED-1032; IBM 2032-001; McDATA ED-5000	4.01.00	Brocade Silkworm: 3200, 3800; EMC Connectrix DS-16B ²¹⁴	3.0.2f ^{1, 8, 13}	16 ^{4, 15}	3 ⁶	Connectrix Manager ^{2, 3} , EFCM 6.00.00 ^{2, 3}	2 ⁵	See ^{10, 11}
48	EMC Connectrix ED-1032; IBM 2032-001; McDATA ED-5000	4.01.00	EMC Connectrix DS-8B	2.6.0d ^{8, 9}	16	3 ⁶	Connectrix Manager 6.00.00	2	
49	EMC Connectrix ED-1032; IBM 2032-001; McDATA ED-5000	4.01.00	EMC Connectrix ED-1032; IBM 2032-001; McDATA ED-5000	4.01.00	16 ^{4, 15}	3 ⁶	Connectrix Manager ^{2, 3} , EFCM 6.00.00 ^{2, 3}	8 ⁵	
50	EMC Connectrix ED-1032; IBM 2032-001; McDATA ED-5000	4.01.00	EMC DP3-SCB1	v2.5.1b ⁸	16 ^{4, 15}	3 ⁶	Connectrix Manager ^{2, 3} , EFCM 6.00.00 ^{2, 3}	2 ⁵	See ^{10, 11}
51	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	4.01.00	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-1032, ED-140M, ED-64M; IBM: 2032-001, 6064; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	4.01.00	16 ^{4, 15}	3 ⁶	Connectrix Manager or EFCM 6.03.00 ^{2, 3}	8 ⁵	
52	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	4.01.02	EMC Connectrix ED-1032; IBM 2032-001; McDATA ED-5000	4.01.00	16 ^{4, 15}	3 ⁶	Connectrix Manager or EFCM 6.03.01 ^{2, 3}	8 ⁵	
53	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	4.01.02	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	4.01.02	16 ^{4, 15}	3 ⁶	Connectrix Manager or EFCM 6.03.01 ^{2, 3}	8 ⁵	
54	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	5.01.XX	Brocade Silkworm 3900; EMC Connectrix DS-32B ²²	v4.0.2a	16 ⁴	3 ⁶	Connectrix Manager 7.01.00 ^{2, 3}	2	
55	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	5.01.XX	Brocade Silkworm: 2400, 2800; EMC Connectrix: DS-16B ¹² , DS-8B	v2.6.0f	16 ⁴	3 ⁶	Connectrix Manager 7.01.00 ^{2, 3}	2	
56	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	5.01.XX	Brocade Silkworm: 3200, 3800; EMC Connectrix: DS-16B ²¹⁴ , DS-8B ²	v3.0.2m ^{1, 13, 30}	16 ⁴	3 ⁶	Connectrix Manager 7.01.00 ^{2, 3}	2	
57	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	5.01.XX	EMC Connectrix ED-1032; IBM 2032-001; McDATA ED-5000	4.01.00	16 ⁴	3 ⁶	Connectrix Manager 7.01.00 ^{2, 3}	8	
58	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	5.01.XX	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	5.01.XX	16 ⁴	3 ⁶	Connectrix Manager 7.01.00 ^{2, 3}	8	
59	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	5.02.00	EMC Connectrix ED-1032; IBM 2032-001; McDATA ED-5000	4.01.00	16 ⁴	3 ⁶	Connectrix Manager 6.3.1 ^{2, 3} , Connectrix Manager 7.1.0 ^{2, 3}	8	

No.	Switch	Switch Firmware Revision	Interoperable Switch	Interoperable Switch Firmware Revision	Max # of Domains per Fabric	Max # Hops	Switch Management Application Revision	ISL Domain to Domain	Comments
60	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	5.02.00	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	5.02.00	16 ⁴	3 ⁶	Connectrix Manager 6.3.1 ^{2,3} , Connectrix Manager 7.1.0 ^{2,3}	8	
61	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	5.02.00	McDATA ES-4300 ³²	5.05.00	16 ⁴	3 ⁶	Connectrix Manager 6.3.1 ^{2,3} , Connectrix Manager 7.1.0 ^{2,3}	8	
62	EMC Connectrix: DS-16M, DS-16M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232	4.00.00	EMC Connectrix ED-1032; IBM 2032-001; McDATA ED-5000	4.01.00	16 ^{4,15}	3 ⁶	Connectrix Manager ^{2,3} , EFCM 6.02.00 ^{2,3}	8 ⁵	
63	EMC Connectrix: DS-16M, DS-16M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232	4.00.00	EMC Connectrix: DS-16M, DS-16M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232	4.00.00	16 ^{4,15}	3 ⁶	Connectrix Manager ^{2,3} , EFCM 6.02.00 ^{2,3}	8 ⁵	See ¹⁶
64	EMC Connectrix: DS-16M, DS-16M2, DS-32M, DS-32M2, ED-64M; IBM 6064; McDATA: ED-6064, ES-3016, ES-3032, ES-3216, ES-3232	2.00.00 ¹	Brocade Silkworm: 2400, 2800; EMC Connectrix DS-16B ¹²	2.6.0d ^{8,9}	16 ⁴	3 ⁶	Connectrix Manager ^{2,3} , EFCM 6.00.00 ^{2,3}	2 ⁵	See ^{7,10,11}
65	EMC Connectrix: DS-16M, DS-16M2, DS-32M, DS-32M2, ED-64M; IBM 6064; McDATA: ED-6064, ES-3016, ES-3032, ES-3216, ES-3232	2.00.00 ¹	Brocade Silkworm: 3200, 3800; EMC Connectrix DS-16B ²¹⁴	3.0.2f ^{1,8,13}	16 ⁴	3 ⁶	Connectrix Manager ^{2,3} , EFCM 6.00.00 ^{2,3}	2 ⁵	See ^{7,10,11}
66	EMC Connectrix: DS-16M, DS-16M2, DS-32M, DS-32M2, ED-64M; IBM 6064; McDATA: ED-6064, ES-3016, ES-3032, ES-3216, ES-3232	2.00.00 ¹	EMC Connectrix DS-8B	2.6.0d ^{8,9}	16	3 ⁶	Connectrix Manager 6.00.00	2	See ⁷
67	EMC Connectrix: DS-16M, DS-16M2, DS-32M, DS-32M2, ED-64M; IBM 6064; McDATA: ED-6064, ES-3016, ES-3032, ES-3216, ES-3232	2.00.00 ¹	EMC Connectrix ED-1032; IBM 2032-001; McDATA ED-5000	4.01.00	16 ⁴	3 ⁶	Connectrix Manager ^{2,3} , EFCM 6.00.00 ^{2,3}	8 ⁵	See ⁷
68	EMC Connectrix: DS-16M, DS-16M2, DS-32M, DS-32M2, ED-64M; IBM 6064; McDATA: ED-6064, ES-3016, ES-3032, ES-3216, ES-3232	2.00.00 ¹	EMC Connectrix: DS-16M, DS-16M2, DS-32M, DS-32M2, ED-64M; IBM 6064; McDATA: ED-6064, ES-3016, ES-3032, ES-3216, ES-3232	2.00.00 ¹	16 ⁴	3 ⁶	Connectrix Manager ^{2,3} , EFCM 6.00.00 ^{2,3}	8 ⁵	See ⁷
69	EMC Connectrix: DS-16M, DS-16M2, DS-32M, DS-32M2, ED-64M; IBM 6064; McDATA: ED-6064, ES-3016, ES-3032, ES-3216, ES-3232	2.00.00 ¹	EMC DP3-SCB1	v2.5.1b ⁸	16 ⁴	3 ⁶	Connectrix Manager ^{2,3} , EFCM 6.00.00 ^{2,3}	2 ⁵	See ^{7,10,11}
70	EMC DP3-SCQ1	4.00.32	EMC DP3-SCQ1	4.00.32	1 ⁴	0 ⁶	SCQ Manager V1.01.02 ^{2,3}	0 ⁵	See ^{26,27}
71	McDATA ES-4300 ³²	5.05.00	Brocade Silkworm 3900; EMC Connectrix DS-32B ²²	v4.0.2a	16 ⁴	3 ⁶	SAN Pilot (EWS) ^{2,3}	2	
72	McDATA ES-4300 ³²	5.05.00	Brocade Silkworm: 2400, 2800; EMC Connectrix: DS-16B ¹² , DS-8B	v2.6.0f	16 ⁴	3 ⁶	SAN Pilot (EWS) ^{2,3}	2	
73	McDATA ES-4300 ³²	5.05.00	Brocade Silkworm: 3200, 3800; EMC Connectrix: DS-16B ²¹⁴ , DS-8B ²	v3.0.2m ^{1,13,30}	16 ⁴	3 ⁶	SAN Pilot (EWS) ^{2,3}	2	

No.	Switch	Switch Firmware Revision	Interoperable Switch	Interoperable Switch Firmware Revision	Max # of Domains per Fabric	Max # Hops	Switch Management Application Revision	ISL Domain to Domain	Comments
74	McDATA ES-4300 ³²	5.05.00	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-1032, ED-140M, ED-64M; IBM: 2032-001, 6064; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	4.01.00	16 ^{4,15}	3 ⁶	SAN Pilot (EWS) ^{2,3}	8 ⁵	
75	McDATA ES-4300 ³²	5.05.00	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	4.01.02	16 ^{4,15}	3 ⁶	SAN Pilot (EWS) ^{2,3}	8 ⁵	
76	McDATA ES-4300 ³²	5.05.00	EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-140M, ED-64M; IBM 6064; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	5.01.XX	16 ⁴	3 ⁶	SAN Pilot (EWS) ^{2,3}	8	
77	McDATA ES-4300 ³²	5.05.00	McDATA ES-4300 ³²	5.05.00	16 ^{4,15}	3 ⁶	SAN Pilot (EWS) ^{2,3}	8 ⁵	

- Auto-negotiation with 200-563-920 requires Engenuity 5568.47.17.
- Switch Management versions are backward compatible. You may manage any lower-level switch with a higher level Management Application Revision.
- The use of mixed code revisions in the same fabric should be limited to code upgrade processes only. You must always use the management code rev. associated with the highest level of switch code.
- The maximum number of switches a Fibre Channel fabric may contain under the current topology limitations.
- The maximum number of ISLs (Inter-Switch Links) between two switches in a fabric.
- The maximum number of ISLs (Inter-Switch Links) a frame needs to traverse between any input port of the fabric to any output port, assuming all ISLs are active (no ISL or switch fault condition is present). This is the maximum number of hops in a fabric.
- Obsolete (End of Support).**
- For single fabrics consisting of McData and Brocade directors/switches and single fabrics consisting of Cisco MDS and Brocade and McDATA fabrics, see the EMC Topology Guide available at <http://avatar.eng.emc.com>**
- SecureOS is not currently supported
- ESN Manager 2.1.
- Hard set ISL E-port speed to 1 Gb or 2 Gb.
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- CLARiiON environments only: groups of 4 consecutively numbered ports may be referred to as a "quad". The 4 quads correspond to ports 0 - 3, 4 - 7, 8 - 11, and 12 - 15. Only one port within any quad may be connected to an array SP port. The remaining 3 ports within the quad may be used for connection to HBA ports and as ISLs.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- For fabric and zone size considerations, refer to the latest Connectrix Planning Guide and Release Notes.
- Upgrade required to 4.01.00.
- Firmware revision levels distributed and supported by Bull. Please see appropriate Bull documentation.
- This is a Brocade Silkorm 2800 (16 ports)
- Mirrored fabrics with redundant switch hardware are strongly recommended.
- Zoning, discovery, and statistics for ESN Manager 2.0 or earlier are not available.
- No support currently for QuickLoop.
- EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
- EMC ControlCenter is supported with 5.1.1 SP3 or above. ESN Manager is not currently supported.
- Brocade 2400 and 2800 require the purchase of the "extended fabric license" from Brocade for long distance applications.
- For QuickLoop support, see Fibre Connectivity: Switch Interoperability Application.
- No ISLs supported.
- Host connectivity only.
- Single Brocade 6400 cabinet only.
- 20 VSANS maximum, with 12 domains per-VSAN.**
- For single fabrics consisting of McData and Brocade directors/switches & for single fabrics consisting of Cisco MDS, and Brocade, and McDATA directors/switches, see the EMC Topology Guide, at <http://avatar.eng.emc.com>.**
- Of this number, a maximum of 16 domains can consist of a single firmware family (i.e. 2.x, 3.x or 4.x).
The total number of ISL ports allowed in the fabric is 212.
The total number of user ports allowed in the fabric is 652.
- Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)**

Mixed Storage Environment Matrix

EMC continues to qualify the individual non-EMC storage arrays in environments that share resources (SAN, Server, and HBA) with EMC equipment and in the interest of simplicity, we provide the following statements on the support of those environments. EMC will continue to support EMC manufactured or EMC supplied equipment in environments that meet the following criteria. Any environment that does not adhere to these requirements would require an RPQ for identification of supportability.

Requirements:

1. Clariion and Symmetrix Storage

EMC storage (Clariion & Symmetrix) interoperability support is listed as part of the Base Connectivity, Clustered Host and Switch Interoperability tables of the EMC Support Matrix. It should be understood that arrays with matching matrix configurations can be used in a shared SAN, Shared Server or Shared HBA, unless explicitly noted. PowerPath and other load balancing software versions must be reviewed independently for mutual array support or coexistence concerns.

2. Compatibility with Non-EMC Storage

a. Shared SAN, Shared Server, Shared HBA

When working in a heterogeneous storage environment the fabric components (switches, directors, and HBAs) along with the operating system level, HBA models, drivers and firmware must all be at the EMC supported levels. Non-EMC storage connecting to this fabric environment must also be supported through their respective OEM vendors in the stated environment. Deviations in any of the supported levels for any component can either be handled through EMC's or the respective vendor's RPQ process. This will ensure that all storage arrays remain supported through their respective OEM vendors.

b. Individual Storage Vendor Zoning

No matter which sharing model you choose (Shared HBA, Shared Server, or Shared SAN), EMC recommends that you limit the amount of possible interactions between the arrays. This will assist in troubleshooting, maintenance and management of the environment.

To limit the interactions and dependencies we recommend that you do not include storage array ports from different vendors in the same zone. Multiple zones can be created that use the same HBA, as long as the storage arrays are in separate zones with that common HBA. Zoning in this fashion will ensure that there are no direct interactions between the different storage arrays.

c. Third Party Load Balancing and Path Management Software

Load balancing and path management software compatibility cannot be inferred by any table, and unless concurrent support for such software is explicitly listed in the applicable Base Connectivity sections, then support will require an RPQ submission.

d. Metavolume Creation and Striping

To further limit the dependencies and interaction of these arrays, we recommend that you do not use logical partitions from separate array vendors in the same metavolume or stripe set. Doing this will complicate troubleshooting, maintenance activities and follow on management of the arrays.

No.	Storage System	Safe Neighbor Policy
1	Generic Fibre Channel Bridge, Generic Fibre Channel Tape, HPQ StorageWorks, HPQ SureStore E XP-1024 , HPQ SureStore E XP-256, HPQ SureStore E XP-512, Hitachi HDS 7700E, Hitachi HDS 9900, IBM ESS, Sun StorEdge Arrays	Shared HBA, Shared SAN, Shared Server

Distance Extension Solutions

Solutions using the Symmetrix DMX Multi-Protocol Channel Director (MPCD) for SRDF over GigE and the Symmetrix 8000 Native Gigabit Ethernet Director must be validated using the Pre-Sales Questionnaire (PSQ) process. Most devices in the IP cloud that follow IEEE standards may be used for LAN/MAN/WAN connectivity.

No.	Distance System	Supported Link Speed (Gbps)	Code Level	Topology	Switch	Maximum Distance	Network	Protocol	Storage System	Comments
1	ADVA FSP 2000 ³¹	1 ⁵ , 2 ⁵	S/W 5.5.1	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	See ^{1, 2, 3, 15, 19, 32, 33}
2	ADVA FSP 2000 ³¹	1 ⁵ , 2 ⁵	S/W 5.5.1	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF	EMC Symmetrix 8000 Series	See ^{1, 2, 3, 15, 19, 32, 33}
3	ADVA FSP 2000 ³¹	1 ⁵ , 2 ⁵	S/W 5.5.1	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 2, 3, 15, 19, 32, 33}
4	ADVA FSP 2000 ³¹	1 ⁵ , 2 ⁵	S/W 5.5.1	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶	EMC CLARiiON FC4700	See ^{1, 2, 3, 15, 19, 32, 33}
5	ADVA FSP 2000 ³¹	1 ⁵ , 2 ⁵	S/W 5.5.1	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶ SAN Copy	EMC CLARiiON CX600/CX400	See ^{1, 2, 3, 15, 19, 32, 33}
6	ADVA FSP 2000 ³¹	N/A	S/W 5.5.1	ESCON		200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ^{1, 15, 19}
7	ADVA FSP 2000 ³¹	N/A	S/W 5.5.1	ESCON		200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 15, 19}
8	ADVA FSP 3000 ⁸⁷	1, 2	S/W 3.0.2a	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	See ^{1, 2, 3, 19, 32, 33}
9	ADVA FSP 3000 ⁸⁷	1, 2	S/W 3.0.2a	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF	EMC Symmetrix 8000 Series	See ^{1, 2, 3, 19, 32, 33}

No.	Distance System	Supported Link Speed (Gbps)	Code Level	Topology	Switch	Maximum Distance	Network	Protocol	Storage System	Comments
10	ADVA FSP 3000 ⁸⁷	1, 2	S/W 3.0.2a	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 2, 3, 19, 32, 33}
11	ADVA FSP 3000 ⁸⁷	1, 2	S/W 3.0.2a	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶	EMC CLARiON FC4700	See ^{1, 2, 3, 19, 32, 33}
12	ADVA FSP 3000 ⁸⁷	1, 2	S/W 3.0.2a	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶ SAN Copy	EMC CLARiON CX600/CX400	See ^{1, 2, 3, 19, 32, 33}
13	ADVA FSP 3000 ⁸⁷	N/A	2.0.35, S/W 3.0.2a	ESCON		200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ^{1, 19}
14	ADVA FSP 3000 ⁸⁷	N/A	2.0.35, S/W 3.0.2a	ESCON		200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 19}
15	Alcatel 1696 Metro Span V1.1 ^{65, 74}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O	EMC CLARiON CX600/CX400, EMC CLARiON FC4700	See ^{1, 3, 9, 75}
16	Alcatel 1696 Metro Span V1.1 ^{65, 74}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF	EMC Symmetrix 8000 Series	See ^{1, 3, 9, 75}
17	Alcatel 1696 Metro Span V1.1 ^{65, 74}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 3, 9, 75}
18	Alcatel 1696 Metro Span V1.1 ^{65, 74}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶	EMC CLARiON FC4700	See ^{1, 3, 9, 75}

No.	Distance System	Supported Link Speed (Gbps)	Code Level	Topology	Switch	Maximum Distance	Network	Protocol	Storage System	Comments
19	Alcatel 1696 Metro Span V1.1 ^{65, 74}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶ SAN Copy	EMC CLARiON CX600/CX400	See ^{1, 3, 9, 75}
20	Alcatel 1696 Metro Span V1.1 ^{65, 74}	N/A		ESCON		200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ^{1, 19, 75}
21	Alcatel 1696 Metro Span V1.1 ^{65, 74}	N/A		ESCON		200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 19, 75}
22	CIENA CN 2000	1 ⁵	2.04 ⁵⁷ 3.10 ⁵⁸	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	see note ⁶⁰	SONET	Block I/O ⁵⁷ , SRDF	EMC Symmetrix 8000 Series	See ^{1, 2, 3, 19, 59}
23	CIENA CN 2000	1 ⁵	2.04 ⁵⁷ 3.10 ⁵⁸	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	see note ⁶⁰	SONET	Block I/O ⁵⁷ , SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 2, 3, 19, 59}
24	CIENA CN 2000	1 ⁵	2.04 ⁵⁷ 3.10 ⁵⁸	FC-SW	Brocade Silkworm: 12000, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, ED-1032, ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	see note ⁶⁰	SONET	Block I/O ⁵⁷ , MirrorView ⁵⁷ , SAN Copy	EMC CLARiON CX600/CX400, EMC CLARiON FC4700	See ^{1, 2, 3, 19, 59}
25	CIENA CN 2000	1 ⁵	3.10 ⁵⁸	FC-SW		see note ⁶⁰	SONET	SRDF/A, SRDF ⁴⁸	EMC Symmetrix DMX Series	See ^{40, 47}
26	CIENA CN 2000	1 ⁵	3.10 ⁵⁸	FC-SW		see note ⁶⁰	SONET	SRDF ⁴⁸	EMC Symmetrix 8000 Series	See ^{40, 47}
27	CIENA CN 2000	N/A	2.04 ⁵⁷ 3.10 ⁵⁸	ESCON		see note ⁶⁰	SONET	SRDF	EMC Symmetrix 8000 Series	See ^{1, 2, 59}
28	CIENA CN 2000	N/A	2.04 ⁵⁷ 3.10 ⁵⁸	ESCON		see note ⁶⁰	SONET	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 2, 59}
29	CIENA MultiWave Metro ³⁰	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O	EMC CLARiON CX600/CX400, EMC CLARiON FC4700	See ^{1, 3, 9, 19, 29}
30	CIENA MultiWave Metro ³⁰	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF	EMC Symmetrix 8000 Series	See ^{1, 3, 9, 19, 29}

No.	Distance System	Supported Link Speed (Gbps)	Code Level	Topology	Switch	Maximum Distance	Network	Protocol	Storage System	Comments
31	CIENA MultiWave Metro ³⁰	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 3, 9, 19, 29}
32	CIENA MultiWave Metro ³⁰	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶	EMC CLARiON FC4700	See ^{1, 3, 9, 19, 29}
33	CIENA MultiWave Metro ³⁰	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶ SAN Copy	EMC CLARiON CX600/CX400	See ^{1, 3, 9, 19, 29}
34	CIENA MultiWave Metro ³⁰	N/A		ESCON		200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ^{1, 19, 29}
35	CIENA MultiWave Metro ³⁰	N/A		ESCON		200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 19, 29}
36	CIENA ONLINE Edge	1 ⁵	V3.1.1	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O	EMC CLARiON CX600/CX400, EMC CLARiON FC4700	See ^{1, 2, 3, 16, 17, 18, 19, 82}
37	CIENA ONLINE Edge	1 ⁵	V3.1.1	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF	EMC Symmetrix 8000 Series	See ^{1, 2, 3, 16, 17, 18, 19, 82}
38	CIENA ONLINE Edge	1 ⁵	V3.1.1	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 2, 3, 16, 17, 18, 19, 82}
39	CIENA ONLINE Edge	1 ⁵	V3.1.1	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶	EMC CLARiON FC4700	See ^{1, 2, 3, 16, 17, 18, 19, 82}

No.	Distance System	Supported Link Speed (Gbps)	Code Level	Topology	Switch	Maximum Distance	Network	Protocol	Storage System	Comments
40	CIENA ONLINE Edge	1 ⁵	V3.1.1	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶ SAN Copy	EMC CLARiiON CX600/CX400	See ^{1, 2, 3, 16, 17, 18, 19, 82}
41	CIENA ONLINE Edge	N/A		ESCON		200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ^{1, 18, 19, 82}
42	CIENA ONLINE Edge	N/A		ESCON		200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 18, 19, 82}
43	CIENA ONLINE Edge ^{83, 84}	1 ⁵	v3.1.1	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	SONET	Block I/O, SRDF	EMC Symmetrix 8000 Series	See ^{1, 2, 3, 19, 59}
44	CIENA ONLINE Edge ^{83, 84}	1 ⁵	v3.1.1	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	SONET	Block I/O, SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 2, 3, 19, 59}
45	CIENA ONLINE Edge ^{83, 84}	1 ⁵	v3.1.1	FC-SW	Brocade Silkworm: 12000, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, DS-8B, ED-1032, ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	SONET	Block I/O, MirrorView	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	See ^{1, 2, 3, 19, 59}
46	CIENA ONLINE Edge ^{83, 84}	N/A	v3.1.1	ESCON		200 km ⁴	SONET	SRDF	EMC Symmetrix 8000 Series	See ^{1, 2, 59}
47	CIENA ONLINE Edge ^{83, 84}	N/A	v3.1.1	ESCON		200 km ⁴	SONET	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 2, 59}
48	CIENA ONLINE Metro ^{20, 21, 22}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	See ^{1, 2, 3, 16, 17, 18, 19}
49	CIENA ONLINE Metro ^{20, 21, 22}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF	EMC Symmetrix 8000 Series	See ^{1, 2, 3, 16, 17, 18, 19}
50	CIENA ONLINE Metro ^{20, 21, 22}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 2, 3, 16, 17, 18, 19}

No.	Distance System	Supported Link Speed (Gbps)	Code Level	Topology	Switch	Maximum Distance	Network	Protocol	Storage System	Comments
51	CIENA ONLINE Metro ^{20, 21, 22}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶	EMC CLARiiON FC4700	See ^{1, 2, 3, 16, 17, 18, 19}
52	CIENA ONLINE Metro ^{20, 21, 22}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶ SAN Copy	EMC CLARiiON CX600/CX400	See ^{1, 2, 3, 16, 17, 18, 19}
53	CIENA ONLINE Metro ^{20, 21, 22}	N/A		ESCON		200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ^{1, 18, 19}
54	CIENA ONLINE Metro ^{20, 21, 22}	N/A		ESCON		200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 18, 19}
55	Cisco MDS: 9216, 9509		1.2.1a	FC-SW	Cisco MDS: 9216, 9509		IP ⁴²	MirrorView, SAN Copy	EMC CLARiiON CX600/CX400	See ^{89, 90}
56	Cisco MDS: 9216, 9509		1.2.1a	FC-SW	Cisco MDS: 9216, 9509		IP ⁴²	SRDF, SRDF/A	EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	See ^{89, 90}
57	Cisco Metro 1500 ⁸	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	60 km ^{4, 37}	DWDM	MirrorView ³⁶	EMC CLARiiON FC4700	See ^{1, 2, 3}
58	Cisco Metro 1500 ⁸	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	60 km ^{4, 37}	DWDM	MirrorView ³⁶ SAN Copy	EMC CLARiiON CX600/CX400	See ^{1, 2, 3}
59	Cisco Metro 1500 ⁸	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-32B2 ⁴⁶ , DS-32M, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ^{4, 37}	DWDM	Block I/O	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	See ^{1, 2, 3}
60	Cisco Metro 1500 ⁸	1 ⁵		FC-SW	Cisco MDS: 9216, 9509; EMC Connectrix: DS-16M2, DS-24M2, DS-32M2	200 km ⁴	DWDM	Block I/O	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	See ^{1, 2, 3}
61	Cisco Metro 1500 ⁸ ; Marconi PMM Point-to-Point (PMM-P) ⁶⁵	N/A		ESCON		200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ^{1, 19}
62	Cisco Metro 1500 ⁸ ; Marconi PMM Point-to-Point (PMM-P) ⁶⁵	N/A		ESCON		200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 19}

No.	Distance System	Supported Link Speed (Gbps)	Code Level	Topology	Switch	Maximum Distance	Network	Protocol	Storage System	Comments
63	Cisco Metro 1500 ⁸ , Sorrento Gigamux and EPC	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF	EMC Symmetrix 8000 Series	See ^{1, 2, 3}
64	Cisco Metro 1500 ⁸ , Sorrento Gigamux and EPC	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 2, 3}
65	Cisco ONS 15252 ^{63, 64, 65}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O	EMC CLARiON CX600/CX400, EMC CLARiON FC4700	See ^{1, 3, 9, 10, 11}
66	Cisco ONS 15252 ^{63, 64, 65}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF	EMC Symmetrix 8000 Series	See ^{1, 3, 9, 10, 11}
67	Cisco ONS 15252 ^{63, 64, 65}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 3, 9, 10, 11}
68	Cisco ONS 15252 ^{63, 64, 65}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶	EMC CLARiON FC4700	See ^{1, 3, 9, 10, 11}
69	Cisco ONS 15252 ^{63, 64, 65}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶ SAN Copy	EMC CLARiON CX600/CX400	See ^{1, 3, 9, 10, 11}
70	Cisco ONS 15454 ^{1, 3, 10, 18, 91, 92, 93}	1, 2		ESCON		200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ^{1, 10, 11, 19}
71	Cisco ONS 15454 ^{1, 3, 10, 18, 91, 92, 93}	1, 2		ESCON		200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 10, 11, 19}

No.	Distance System	Supported Link Speed (Gbps)	Code Level	Topology	Switch	Maximum Distance	Network	Protocol	Storage System	Comments
72	Cisco ONS 15454 ¹ , 3, 10, 18, 91, 92, 93	1, 2		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	See ^{1, 3, 9, 10,} 11
73	Cisco ONS 15454 ¹ , 3, 10, 18, 91, 92, 93	1, 2		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF	EMC Symmetrix 8000 Series	See ^{1, 3, 9, 10,} 11
74	Cisco ONS 15454 ¹ , 3, 10, 18, 91, 92, 93	1, 2		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 3, 9, 10,} 11
75	Cisco ONS 15454 ¹ , 3, 10, 18, 91, 92, 93	1, 2		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶	EMC CLARiiON FC4700	See ^{1, 3, 9, 10,} 11
76	Cisco ONS 15454 ¹ , 3, 10, 18, 91, 92, 93	1, 2		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶ SAN Copy	EMC CLARiiON CX600/CX400	See ^{1, 3, 9, 10,} 11
77	Cisco ONS 15530 ⁶⁵ , 76, 77, 78, 79, 80	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	See ^{1, 3, 9, 11}
78	Cisco ONS 15530 ⁶⁵ , 76, 77, 78, 79, 80	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF	EMC Symmetrix 8000 Series	See ^{1, 3, 9, 11}

No.	Distance System	Supported Link Speed (Gbps)	Code Level	Topology	Switch	Maximum Distance	Network	Protocol	Storage System	Comments
79	Cisco ONS 15530 ⁶⁵ , 76, 77, 78, 79, 80	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 3, 9, 11}
80	Cisco ONS 15530 ⁶⁵ , 76, 77, 78, 79, 80	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶	EMC CLARiON FC4700	See ^{1, 3, 9, 11}
81	Cisco ONS 15530 ⁶⁵ , 76, 77, 78, 79, 80	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶ SAN Copy	EMC CLARiON CX600/CX400	See ^{1, 3, 9, 11}
82	Cisco ONS 15530 ⁶⁵ , 76, 77, 78, 79, 80	N/A		ESCON		200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ^{1, 11, 19, 81}
83	Cisco ONS 15530 ⁶⁵ , 76, 77, 78, 79, 80	N/A		ESCON		200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 11, 19, 81}
84	Cisco ONS 15540 ¹²	1 ⁵ , 2 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O	EMC CLARiON CX600/CX400, EMC CLARiON FC4700	See ^{1, 3, 9, 10, 11}
85	Cisco ONS 15540 ¹²	1 ⁵ , 2 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF	EMC Symmetrix 8000 Series	See ^{1, 3, 9, 10, 11}
86	Cisco ONS 15540 ¹²	1 ⁵ , 2 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 3, 9, 10, 11}
87	Cisco ONS 15540 ¹²	1 ⁵ , 2 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶	EMC CLARiON FC4700	See ^{1, 3, 9, 10, 11}

No.	Distance System	Supported Link Speed (Gbps)	Code Level	Topology	Switch	Maximum Distance	Network	Protocol	Storage System	Comments
88	Cisco ONS 15540 ¹²	1 ⁵ , 2 ⁵		FC-SW	Brocade SilkWorm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶ SAN Copy	EMC CLARiiON CX600/CX400	See ^{1, 3, 9, 10, 11}
89	Cisco ONS: 15252 ^{63, 64, 65} , 15540 ¹²	N/A		ESCON		200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ^{1, 10, 11, 19}
90	Cisco ONS: 15252 ^{63, 64, 65} , 15540 ¹²	N/A		ESCON		200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 10, 11, 19}
91	CNT UltraNet Edge 1001 (1 FC x 1 Gbps IP)		1.5.1.2	FC-SW			IP	SRDF/A, SRDF ⁴⁸	EMC Symmetrix DMX Series	See ^{40, 41, 42, 47}
92	CNT UltraNet Edge 1002 (1 FC x 1 ATM OC-12)		1.5.1.2	FC-SW			ATM OC-12	SRDF ⁸⁵	EMC Symmetrix 8000 Series	See ^{40, 41, 42}
93	CNT UltraNet Edge 1003 (1 FC x 1 ATM OC-3)		1.5.1.2	FC-SW			ATM OC-3	SRDF/A, SRDF ⁴⁸	EMC Symmetrix DMX Series	See ^{40, 41, 42}
94	CNT UltraNet Edge 1003 (1 FC x 1 ATM OC-3)		1.5.1.2	FC-SW			ATM OC-3	SRDF ⁴⁸	EMC Symmetrix 8000 Series	See ^{40, 41, 42}
95	CNT UltraNet Edge 3101 (2 FC x 2 Gbps IP)		3.1	FC-SW			IP	SRDF ⁴⁸ , SRDF/A	EMC Symmetrix DMX Series	See ^{42, 86}
96	CNT UltraNet Edge: 1000 (1 FC x 1 100 Mbps IP), 1001 (1 FC x 1 Gbps IP), 1100 (2 FC x 2 100 Mbps IP)		1.5.1.2	FC-SW			IP	SRDF ⁴⁸	EMC Symmetrix 8000 Series	See ^{40, 41, 42, 47}
97	CNT UltraNet Edge: 1000 (1 FC x 1 100 Mbps IP), 1100 (2 FC x 2 100 Mbps IP)		1.5.1.2	FC-SW			IP	MirrorView ⁴³	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	See ^{40, 41, 42}
98	CNT UltraNet Edge: 1000 (1 FC x 1 100 Mbps IP), 1100 (2 FC x 2 100 Mbps IP)		1.5.1.2	FC-SW			IP ⁴²	SAN Copy	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	See ^{41, 72}
99	CNT UltraNet Edge: 1000 (1 FC x 1 100 Mbps IP), 1100 (2 FC x 2 100 Mbps IP), 1101 (2 FC x 2 Gbps IP)		1.5.1.2	FC-SW			IP	SRDF ⁴⁸ , SRDF/A	EMC Symmetrix DMX Series	See ^{40, 41, 42, 47}
100	CNT UltraNet Edge: 3000 (1 FC x 1 100 Mbps IP), 3001 (1 FC x 1 Gbps IP), 3100 (2 FC x 2 100 Mbps IP)		3.1	FC-SW			IP	SRDF/A, SRDF ⁴⁸	EMC Symmetrix DMX Series	See ^{42, 86}
101	CNT UltraNet Edge: 3000 (1 FC x 1 100 Mbps IP), 3001 (1 FC x 1 Gbps IP), 3100 (2 FC x 2 100 Mbps IP), 3101 (2 FC x 2 Gbps IP)		3.1	FC-SW			IP	SRDF ⁴⁸	EMC Symmetrix 8000 Series	See ^{42, 86}
102	CNT UltraNet Storage Director (6 slot)	N/A	2.8	ESCON			ATM OC-3, T3/E3	SRDF ⁴⁵	EMC Symmetrix 8000 Series	See ⁴⁰
103	CNT UltraNet Storage Director: (12 slot) ⁴⁴ , (6 slot)	N/A	3.1	ESCON			IP ⁴²	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ⁴⁰
104	CNT UltraNet Storage Director: (12 slot) ⁴⁴ , (6 slot)	N/A	3.1	ESCON			IP ⁴²	SRDF ⁴⁵	EMC Symmetrix 8000 Series	See ⁴⁰
105	CNT UltraNet Wave Multiplexer ^{13, 14}	1 ⁵		FC-SW	Brocade SilkWorm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	See ^{1, 2, 3, 15}

No.	Distance System	Supported Link Speed (Gbps)	Code Level	Topology	Switch	Maximum Distance	Network	Protocol	Storage System	Comments
106	CNT UltraNet Wave Multiplexer ^{13, 14}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF	EMC Symmetrix 8000 Series	See ^{1, 2, 3, 15}
107	CNT UltraNet Wave Multiplexer ^{13, 14}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 2, 3, 15}
108	CNT UltraNet Wave Multiplexer ^{13, 14}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶	EMC CLARiON FC4700	See ^{1, 2, 3, 15}
109	CNT UltraNet Wave Multiplexer ^{13, 14}	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶ SAN Copy	EMC CLARiON CX600/CX400	See ^{1, 2, 3, 15}
110	CNT UltraNet Wave Multiplexer ^{13, 14}	N/A		ESCON		200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ^{1, 15, 19, 39}
111	CNT UltraNet Wave Multiplexer ^{13, 14}	N/A		ESCON		200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 15, 19, 39}
112	Finisar FLX-2000-40 rev 3.0 ²³	1 ⁵		FC-SW		40 km		Block I/O ³	EMC CLARiON CX600/CX400, EMC CLARiON FC4700	See ^{24, 25, 26, 27, 28}
113	Finisar FLX-2000-40 rev 3.0 ²³	1 ⁵		FC-SW		40 km		Block I/O ³ , SRDF	EMC Symmetrix 8000 Series	See ^{24, 25, 26, 27, 28}
114	Finisar FLX-2000-40 rev 3.0 ²³	1 ⁵		FC-SW		40 km		MirrorView ³⁶	EMC CLARiON CX600/CX400, EMC CLARiON FC4700	See ^{24, 25, 26, 27, 28}
115	Finisar FLX-2000-40 rev 3.0 ²³	1 ⁵		FC-SW	Cisco MDS: 9216, 9509; EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-1032, ED-12000B ⁴⁶ , ED-64M; EMC DP3-SCB1	40 km		Block I/O ³ , SRDF	EMC Symmetrix 8000 Series	See ^{24, 25, 26, 27, 28}
116	Finisar FLX-2000-40 rev 3.0 ²³	1 ⁵		FC-SW	Cisco MDS: 9216, 9509; EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-1032, ED-64M	40 km		Block I/O ³	EMC CLARiON CX600/CX400, EMC CLARiON FC4700	See ^{24, 25, 26, 27, 28}
117	Finisar FLX-2000-40 rev 3.0 ²³	1 ⁵		FC-SW	Cisco MDS: 9216, 9509; EMC Connectrix: DS-16M, DS-16M2, DS-24M2, DS-32M, DS-32M2, ED-1032, ED-64M	40 km		MirrorView ³⁶	EMC CLARiON CX600/CX400, EMC CLARiON FC4700	See ^{24, 25, 26, 27, 28}
118	Finisar Opticity 3000 WDM ³⁵	1 ⁵		FC-SW		40 km		MirrorView	EMC CLARiON CX600/CX400, EMC CLARiON FC4700	See ^{28, 34}

No.	Distance System	Supported Link Speed (Gbps)	Code Level	Topology	Switch	Maximum Distance	Network	Protocol	Storage System	Comments
119	Inrange IN-VSN 9801H (10 slot)	N/A	2.3	ESCON			ATM OC-3, IP ⁴² , T3/E3	SRDF/A, SRDF ⁴⁵	EMC Symmetrix DMX Series	See ⁴⁰
120	Inrange IN-VSN 9801L (6 slot)	N/A	2.3	ESCON			ATM OC-3, IP ⁴² , T3/E3	SRDF ⁴⁵ , SRDF/A	EMC Symmetrix DMX Series	See ⁴⁰
121	Inrange IN-VSN 9801L - 1 or 2 FC x 1 or 2 IP (10/100 Mbps or 1Gbps IP)		2.4 ⁶⁹ , 70	FC-SW	Brocade Silkworm 2800 ⁶⁸ ; EMC Connectrix DS-16B ⁶² , 68		IP ⁴²	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ⁴⁰ , 48, 71
122	Inrange IN-VSN: 9801H (10 slot), 9801L (6 slot)	N/A	2.3	ESCON			ATM OC-3, IP ⁴² , T3/E3	SRDF ⁴⁵	EMC Symmetrix 8000 Series	See ⁴⁰
123	Lucent Enhanced Optical Networking EON 8.3.1 ⁴⁹ , 50, 51, 52	N/A ⁵ , 50		ESCON		200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ¹ , 19, 53
124	Lucent Enhanced Optical Networking EON 8.3.1 ⁴⁹ , 50, 51, 52	N/A ⁵ , 50		ESCON		200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ¹ , 19, 53
125	Lucent Enhanced Optical Networking EON 8.3.1 ⁴⁹ , 51, 52	1 ⁵ , 50, 2 ⁵ , 50		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O	EMC CLARiON CX600/CX400, EMC CLARiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	See ¹ , 3, 9, 19, 54, 55
126	Lucent Enhanced Optical Networking EON 8.3.1 ⁴⁹ , 51, 52	1 ⁵ , 50, 2 ⁵ , 50		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView	EMC CLARiON FC4700	See ¹ , 3, 9, 19, 54, 55
127	Lucent Enhanced Optical Networking EON 8.3.1 ⁴⁹ , 51, 52	1 ⁵ , 50, 2 ⁵ , 50		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView, SAN Copy	EMC CLARiON CX600/CX400	See ¹ , 3, 9, 19, 54, 55
128	Lucent Enhanced Optical Networking EON 8.3.1 ⁴⁹ , 51, 52	1 ⁵ , 50, 2 ⁵ , 50		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ¹ , 3, 9, 19, 54, 55
129	Lucent Enhanced Optical Networking EON 8.3.1 ⁴⁹ , 51, 52	1 ⁵ , 50, 2 ⁵ , 50		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ¹ , 3, 9, 19, 54, 55
130	Lucent OptiStar Edgeswitch	1 ⁵	1.6.0	FC-SW	Brocade Silkworm: 2400, 2800, 3200, 3800; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M	200 km ⁴	SONET	SRDF	EMC Symmetrix 8000 Series	See ¹ , 3, 61

No.	Distance System	Supported Link Speed (Gbps)	Code Level	Topology	Switch	Maximum Distance	Network	Protocol	Storage System	Comments
131	Lucent OptiStar Edgeswitch	1 ⁵	1.6.0	FC-SW	Brocade Silkworm: 2400, 2800, 3200, 3800; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M	200 km ⁴	SONET	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 3, 61}
132	Marconi PMM Point-to-Point (PMM-P) ⁶⁵	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O	EMC CLARiON CX600/CX400, EMC CLARiON FC4700	See ^{1, 3, 9}
133	Marconi PMM Point-to-Point (PMM-P) ⁶⁵	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF	EMC Symmetrix 8000 Series	See ^{1, 3, 9}
134	Marconi PMM Point-to-Point (PMM-P) ⁶⁵	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 3, 9}
135	Marconi PMM Point-to-Point (PMM-P) ⁶⁵	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶	EMC CLARiON FC4700	See ^{1, 3, 9}
136	Marconi PMM Point-to-Point (PMM-P) ⁶⁵	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶ SAN Copy	EMC CLARiON CX600/CX400	See ^{1, 3, 9}
137	Nishan IPS 3300	1	4.2	FC-SW			IP ⁴²	SRDF	EMC Symmetrix 8000 Series	See ^{66, 67}
138	Nishan IPS 3300	1	4.2	FC-SW			IP ⁴²	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{66, 67}
139	Nishan IPS 3300	1	4.2	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232		IP ⁴²	SRDF	EMC Symmetrix 8000 Series	See ^{66, 67}
140	Nishan IPS 3300	1	4.2	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232		IP ⁴²	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{66, 67}

No.	Distance System	Supported Link Speed (Gbps)	Code Level	Topology	Switch	Maximum Distance	Network	Protocol	Storage System	Comments
141	Nishan IPS 4300	1	4.02	FC-SW			IP ⁴²	SRDF	EMC Symmetrix 8000 Series	See ^{66, 67}
142	Nishan IPS 4300	1	4.02	FC-SW			IP ⁴²	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{66, 67}
143	Nishan IPS 4300	1	4.02	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232		IP ⁴²	SRDF	EMC Symmetrix 8000 Series	See ^{66, 67}
144	Nishan IPS 4300	1	4.02	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232		IP ⁴²	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{66, 67}
145	Nishan IPS: 3300, 4300	1	4.2	FC-SW			IP ⁴²	MirrorView	EMC CLARiON CX600/CX400, EMC CLARiON FC4700	See ^{66, 67}
146	Nishan IPS: 3300, 4300	1	4.2	FC-SW			IP ⁴²	SAN Copy	EMC CLARiON CX600/CX400, EMC CLARiON FC4700	See ^{66, 67, 72}
147	Nishan IPS: 3300, 4300	1	4.2	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232		IP ⁴²	MirrorView	EMC CLARiON CX600/CX400, EMC CLARiON FC4700	See ^{66, 67}
148	Nishan IPS: 3300, 4300	1	4.2	FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900, 6400; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232		IP ⁴²	SAN Copy	EMC CLARiON CX600/CX400, EMC CLARiON FC4700	See ^{66, 67, 72}
149	Nortel OPTera 5100	1 ^{5, 6, 25}		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216 ⁸⁸ , 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O	EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	See ^{1, 2, 3}
150	Nortel OPTera 5100	1 ^{5, 6, 25}		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216 ⁸⁸ , 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView	EMC CLARiON FC4700	See ^{1, 2, 3}
151	Nortel OPTera 5100	1 ^{5, 6, 25}		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216 ⁸⁸ , 9509; EMC Connectrix: DS-16B ²⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B ²⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView, SAN Copy	EMC CLARiON CX600/CX400	See ^{1, 2, 3}

No.	Distance System	Supported Link Speed (Gbps)	Code Level	Topology	Switch	Maximum Distance	Network	Protocol	Storage System	Comments
152	Nortel OPTera 5100	1 ⁵ , 6, 2 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216 ⁸⁸ , 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ^{1, 2, 3}
153	Nortel OPTera 5100	1 ⁵ , 6, 2 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216 ⁸⁸ , 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 2, 3}
154	Nortel OPTera 5100	N/A		ESCON		200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ^{1, 38}
155	Nortel OPTera 5100	N/A		ESCON		200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 38}
156	Nortel OPTera 5200 ⁷	1 ⁵ , 6, 2 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216 ⁸⁸ , 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF	EMC Symmetrix 8000 Series	See ^{1, 2, 3}
157	Nortel OPTera 5200 ⁷	1 ⁵ , 6, 2 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216 ⁸⁸ , 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O, SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 2, 3}
158	Nortel OPTera 5200 ⁷	1 ⁵ , 6, 2 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216 ⁸⁸ , 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶	EMC CLARiiON FC4700	See ^{1, 2, 3}
159	Nortel OPTera 5200 ⁷	1 ⁵ , 6, 2 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216 ⁸⁸ , 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶ SAN Copy	EMC CLARiiON CX600/CX400	See ^{1, 2, 3}
160	Nortel OPTera 5200 ⁷	N/A		ESCON		200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ^{1, 19, 38}
161	Nortel OPTera 5200 ⁷	N/A		ESCON		200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 19, 38}

No.	Distance System	Supported Link Speed (Gbps)	Code Level	Topology	Switch	Maximum Distance	Network	Protocol	Storage System	Comments
162	Nortel OPTera: 5100, 5200 ⁷	1 ^{5,6} , 2 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216 ⁸⁸ , 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	See ^{1, 2, 3}
163	Sorrento Gigamux and EPC	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	Block I/O	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	See ^{1, 2, 3, 19, 73}
164	Sorrento Gigamux and EPC	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶	EMC CLARiiON FC4700	See ^{1, 2, 3, 19, 73}
165	Sorrento Gigamux and EPC	1 ⁵		FC-SW	Brocade Silkworm: 12000, 2400, 2800, 3200, 3800, 3900; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ⁵⁶ , DS-16B ⁶² , DS-16M, DS-16M2, DS-24M2, DS-32B2 ⁴⁶ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ⁴⁶ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	200 km ⁴	DWDM	MirrorView ³⁶ SAN Copy	EMC CLARiiON CX600/CX400	See ^{1, 2, 3, 19, 73}
166	Sorrento Gigamux and EPC	N/A		ESCON		200 km ⁴	DWDM	SRDF	EMC Symmetrix 8000 Series	See ^{1, 19, 73}
167	Sorrento Gigamux and EPC	N/A		ESCON		200 km ⁴	DWDM	SRDF, SRDF/A	EMC Symmetrix DMX Series	See ^{1, 19, 73}

- Maximum distance between sites (for Fibre Channel ISLs distance is measured as total distance between E-ports including switch to DWDM interface), or optical power budget limit per system spec (whichever is shorter).
- 850 nm multi-mode and 1310 nm single-mode Fibre Channel protocol connections for FC-SW attach.
- FC-SW Inter-Switch Link (ISL) extension
- Maximum distance found in this table specify support parameters around connectivity only. You should work closely with EMC field personnel and professional services to determine whether application requirements will be met over these extended distances. Distances greater than those specified require an RPQ.
- All E-ports or ISLs should be hard set to either 1 Gb or 2 Gb in unison with the client-side interfaces to DWDM units.
- 2:1 GFP card supported for Fibre-Channel
- IBM OEMs this product and sells as the IBM 2029.
- The following manufacturers and systems is the same product: Adva(FSP-II), Alcatel (Optinex 1690), Siemens (Waveline EL2), InRange (Spectrum).
- Only 1310 nm single-mode Fibre Channel connections supported.
- Support with ONS 15501 (Erbium Doped Fiber Amplifier) units per one fiber distance strand for Protected and Unprotected environments. Minimum supported firmware 1.2, Hardware Rev 303041.
- Unprotected or splitter-protected.
- Minimum supported Transponder firmware 1.59. Minimum supported MUX/DeMUX motherboard firmware 2.50. Minimum supported line card motherboard firmware 2.48. Minimum supported CPU firmware 1.24.
- Minimum supported firmware 1.05V.
- OEM from Pandatel.
- Splitter-protected.
- GRDM 850nm/1310 nm cards must be utilized for Fibre Channel protocols.
- No mixing of protocols allowed on the same GRDM card --- FC only.
- UPSR and BLSR protected.
- No direct host or storage connections into system (except for ESCON links).
- Minimum supported firmware 4.1.2.
- 2Gb FC link speeds with the WCIRG-2.5Gb Circuit Pack
- The ONLINE Metro can be used with UPSR or BLSR protection options.
- FLX-2000-40 requires rev 3.0.
- N-port extender (HBA to switch) solution.
- Supported for Solaris 2.6 with JNI FC-1063-EMC, JNI FC64-1063-EMC HBAs. Refer to Sun Base Connectivity for currently supported Solaris/JNI driver versions.
- Support for Windows NT 4.0 with SP6A with Emulex LP7000E-EMC and LP8000-EMC. Refer to Intel based Windows Servers (Fibre Channel) Base Connectivity for currently supported Windows NT/Emulex driver versions.
- FC-SW ISL Extension: >500 meters < 40 kilometers solution.
- Distances up to 10 km can be obtained using LW GBICs in qualified switches.
- UPSR protected.
- Minimum supported firmware: 1.05v Minimum network element processor: met_2.6.3 Minimum service channel processor: 2.6.4. Minimum OC-48-Transceiver (191.90 and 195.50 THz): 2.6.4z, 2.6.4
- The following manufacturers and systems are the same product: CNT (Inrange) Spectrum 2000
- WCM-MC2G Circuit Pack for 1Gb & 2Gb FC support.
- Minimum Release level 2.4.4 for NEMI support.
- CLARiiON (Extended Fabric License required for distances >= 10 kilometers) Solution requires 2 extenders.
- No longer available
- MirrorView 1.2 or higher.
-

- Maximum distance between sites (measured as total distance between E-ports) without RSM, 40Km with RSM and Protected Mode, or optical power budget limit per system spec (whichever is shorter).
38. ESCON 4:1 and 8:1 cards supported. Escon SRM circuit pack used for 8:1 Escon connectivity. Minimum Firmware level required for 8:1 SRM is 6.0.37
 39. UltraNet Wave Optimizer TDM is qualified.
 40. Extended Distance Solutions Channel Extension
 41. Solution requires dedicated FC switch that must be provided by CNT.
 42. This configuration requires completion of a Pre-Sales Questionnaire (PSQ).
 43. Minimum AccessLogix: CLARiON FC4700: 8.45.5.x, CLARiON CX600: v02.01.1.60.5.006, CLARiON CX400: 02.02.1.40.5.xxx.
 44. 8 ESCON X 4 Fast Ethernet
 45. Minimum microcode for Symmetrix 4.8 and 8000 Series is 5x65.
 46. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
 47. Deployments must be fully redundant.
 48. Minimum microcode for Symmetrix 8000 is 5567.36.xx. Minimum microcode for Symmetrix DMX is 5669.
 49. Minimum supported firmware Release 8.2.1 NE Software 10-May-02 (rev. 4)
 50. For ESCON: 8:1 Escon supported with 8DM25 Circuit Pack.
 51. UBB (OTPM UBB) circuit pack for 1Gb and 2Gb FC support. UBB provisioned to ISC3PEER mode.
 52. 1310 nm single-mode Fibre Channel protocol connections for FC-SW attach to both 2DM25 and UBB circuit packs.
 53. ESCON traffic with LSBB Circuit Packs recommended (LSBB OTPM)
 54. Fibre Channel traffic through ELSBB Circuit Packs (ELSBB OTPM)
 55. 2DM25 (MUX OTU) 2:1 multiplexer circuit pack for 1Gb FC support. 2DM25 provisioned to FC-100 mode.
 56. EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric. **distance is limited to 200km**
 57. **CN2000 equipped with A-10-304-XX Modular Maincard**
 59. Interfacing through DWDM is supported via SONET client interfaces.
 60. **For guidelines and limitations regarding distance support please refer to the EMC Networked Storage Topology Guide (available through Avatar and PowerLink) and the equipment vendor documentation.**
 61. Refer to the document "Lucent OptiStar" on Avatar for configuration guidelines.
 62. EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
 63. Release NCB software SNM version 1.1
 64. Release CLIP firmware version 1.26 (not field soft upgradeable but requires a physical hardware upgrade of a chip on the CLIP board).
 65. EMC considers Wave Division Multiplexing technologies (Coarse and Dense WDM) to be mature and industry proven. EMC no longer tests standard WDM technology on site therefore devices covered under this support model are not physically tested in the EMC engineering lab. Engineering will provide Best Reasonable Effort (BRE) support for this WDM device.
 66. Nishan switches can only be configured to connect locally to the Symmetrix or CLARiON systems or as an e-port connection to a FC-Switch. No host attach to the Nishan switches is supported and host IO over the iFCP link is also not supported.
 67. Each SAN Island should include no more than 2 switches (one Nishan switch and one other vendor switch)
 68. Switch must be dedicated for the SRDF application. Firmware a2.5.0d is required.
 69. Validated for connectivity and performance only. Virus protection and dual disk support validated by Inrange.
 70. INRANGE must order application software part number 98-154.EMC which is installed at the factory.
 71. SRDF between Symmetrix DMX and Symmetrix 8000 in this configuration requires an RPQ.
 72. Minimum Access Logix: CLARiON FC4700: 08.49.xx or higher, CLARiON CX600/400: 02.04.1.60.x.xxx or higher.
 73. 4:1 and 8:1 TDM cards qualified.
 74. Sub-lambda service concentrator "4xAny" supported for 2:1 Fibre Channel and 4:1 ESCON. No protocol mixing supported on a single "4xAny" concentrator.
 75. E-ports connected to High Frequency DRW cards, residing in a 4-by-any card.
 76. Minimal IOS version: 12.1(10) EV2
 77. 15530-OSCM OSC daughter module: H/W 3.0, Firmware 0.52
 78. 15530-MDX-04H0 4 Channel Mux/Demux module: H/W 1.0, Firmware not applicable
 79. 15530-TSP1-2912 Transponder linecard 29-Ch splitter protected: H/W 5.8, Firmware 3.C
 80. 15530-CHAS-NEBS 15530 NEBS compliant chassis: H/W 3.1, Firmware 3.C
 81. 10:1 ESCON Connectivity supported for "ESCON Aggregation Card (ESCON Multiplexing Line Card)"
 82. The WCIRT-e CWDM Card Circuit Pack will accept 1 E-port and the speed must be "User defined" (1Gb or 2Gb).
 83. SFADM02-e (SONET/SDH-Framed Data ADM) Circuit Pack will accept 2 E-ports at 1Gb (100MB) speed.
 84. When SFADM02-e (SONET/SDH-Framed Data ADM) Circuit Pack is operating in "Distance Buffering" mode ON, Connectrix "-B" switches (Brocade) must operate in Open Fabric Mode (intermode 1), and any Extended Distance mode must be disabled.
 85. Minimum microcode for Symmetrix 8000 Series is 5567.36.xx.
 86. May be attached directly to a Symmetrix RF port without a switch.
 87. The following manufacturers and systems are the same product: CNT (Inrange) Spectrum 3000, Fujitsu Network Communications "FLASHWAVE"
 88. Use minimum code release 6.0.37 for Nortel Optera 5100 and 5200 for OTR supports with the Cisco MDS switch.
 89. Requires the Cisco IP Storage Services Module for MDS.
 90. The Cisco IP storage services module is currently supported for EMC Early Customer ship only, EMC personnel should refer to sales advantage for more information.
 91. **Minimum supported firmware is the "15454-R4.5.0 SW"**
 92. **Client Side E-port connections are supported to the "Multi-Rate Transponder 100MB-2.5Gb" (15454-MRP-L1-YY.Y <1+1 line-side protection> or 15454-MR-L1-YY.Y <redundant ISLs; no line-side>).**
 93. **Multimode and Singlemode ISLs are supported**

Tape Support

Tape to ESN Connectivity

Note: It is important to identify not only the connection technology of the tape drives, but also the connection technology of the tape library controller. The library may use an external FC to SCSI bridge, an embedded bridge or a proprietary FC connection kit. The method of connection is essential to the ESN connectivity reliability and must be noted to identify if the system configuration is truly a qualified solution.

Library partitioning effects the SAN environment at both the OS level as well as the backup software level. Though partitioning is not prohibited in an EMC solution, support for the backup software as well as the library's partitioning solution must be provided separately via the library vendor and/or the backup software vendor. The customer should make sure that partitioning and backup software integration are performed by persons trained/certified to do such work. SCSI bridges listed provide support for both HVD and LVD SCSI connections, unless explicitly stated otherwise.

a. Check the backup software supplier's device matrix to ensure that these tape drives and Fibre Channel-to-SCSI bridges are supported for your particular operating system.

b. The backup software supplier may require optional software packages for its software to use a tape drive.

c. Unless otherwise stated, the drives listed are SCSI attached and are supported with FC-to-SCSI bridges as listed.

d. When operating in an Open Fabric environment, review the current Switch Interoperability Application and the Interoperability Solution at

<http://avatar.eng.emc.com>, part number 300-000-067, for full list of firmware requirements and supported solutions.

For additional information please refer to the ESN Topology Guide at <http://avatar.eng.emc.com> (under tools)

No.	Tape Storage Type	Tape Device	Bridge	Switch	Operating System	Comments
1	FC-AL	IBM 3590 E/H FCAL		EMC Connectrix: DS-16B2 ¹³ , DS-16B ¹² , DS-24M2, DS-32B2 ³⁹ , DS-8B, ED-12000B ³⁹ ; McDATA ES-4500	IBM AIX: 4.3.3, 5.1	See ^{44, 45}
2	FC-AL	IBM 3590 E/H FCAL	McDATA ES-1000 ⁴²	EMC Connectrix: DS-16M2 ⁶ , DS-16M ⁶ , DS-24M2 ⁶ , DS-32M2 ⁶ , DS-32M ⁶ , ED-64M ⁶ , ¹⁸ ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	IBM AIX: 4.3.3, 5.1	See ^{1, 3, 4, 16, 26}
3	FC-AL ⁷	Exabyte M2		Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B2 ^{6, 13} , DS-16B ^{6, 12} , DS-8B ⁶	HPQ HP-LUX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14} ; IBM AIX: 4.3.3, 5.1; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6 ¹⁷ , 8 ¹⁷	See ^{1, 3, 4, 16}
4	FC-AL ⁷	IBM 3580 LTO I ⁵		Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ^{6, 11} , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{6, 13} , DS-16B ^{6, 12} , DS-32B2 ³⁹ , DS-8B ⁶	HPQ HP-LUX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14} ; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 7, 8	See ^{1, 2, 3, 4}
5	FC-AL ⁷	IBM 3580 LTO I ⁵		Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ¹³ , DS-16B ¹² , DS-24M2, DS-32B2 ³⁹ , DS-8B, ED-12000B ³⁹ ; McDATA ES-4500	IBM AIX: 4.3.3, 5.1	See ^{44, 45}
6	FC-AL ⁷	IBM 3580 LTO I ⁵	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} , SAN Gateway ^{19, 20, 21, 22, 23} , SNC 3000 ^{19, 20, 21, 22, 23}	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ^{6, 11} , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{6, 13} , DS-16B ^{6, 12} , DS-8B ⁶	HPQ HP-LUX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14} ; Sun Solaris 7	See ^{1, 2, 3, 4}
7	FC-AL ⁷	IBM 3580 LTO I ⁵	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} , SAN Gateway ^{19, 20, 21, 22, 23} , SNC 3000 ^{19, 20, 21, 22, 23}	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ^{6, 11} , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B2 ^{6, 13} , DS-16B ^{6, 12} , DS-32B2 ³⁹ , DS-8B ⁶	Microsoft Windows 2000 Server SP3 ¹⁵	See ^{1, 2, 3, 4}

No.	Tape Storage Type	Tape Device	Bridge	Switch	Operating System	Comments
8	FC-AL ⁷	IBM 3580 LTO I ⁵	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} , SNC 3000 ^{19, 20, 21, 22, 23}	Brocade SilkWorm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 11, 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{2, 6, 13} , DS-16B ^{6, 12} , DS-8B ⁶	Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows: 2000 Server SP2 ¹⁵ , NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 8	See ^{1, 2, 3, 4}
9	FC-AL ⁷	IBM 3580 LTO I ⁵	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} , SNC 3000 ^{19, 20, 21, 22, 23}	Cisco MDS: 9216, 9509; EMC Connectrix: DS-16M2 ⁶ , DS-16M ⁶ , DS-24M2 ⁶ , DS-32M2 ⁶ , DS-32M ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	Microsoft Windows 2000 Server SP3 ¹⁵	See ^{1, 3, 4}
10	FC-AL ⁷	IBM 3580 LTO I ⁵	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} , SNC 3000 ^{19, 20, 21, 22, 23}	EMC Connectrix: DS-16M2 ⁶ , DS-16M ⁶ , DS-24M2 ⁶ , DS-32B2 ³⁹ , DS-32M2 ⁶ , DS-32M ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ HP-UX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14} ; Sun Solaris 7	See ^{1, 3, 4}
11	FC-AL ⁷	IBM 3580 LTO I ⁵	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} , SNC 3000 ^{19, 20, 21, 22, 23} ; EMC Connectrix DS-16B Open Fabric Mode ¹¹ ; McDATA ES-1000	Cisco MDS: 9216, 9509; EMC Connectrix: DS-16M2 ⁶ , DS-16M ⁶ , DS-24M2 ⁶ , DS-32B2 ³⁹ , DS-32M2 ⁶ , DS-32M ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows: 2000 Server SP2 ¹⁵ , NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 8	See ^{1, 3, 4}
12	FC-AL ⁷	IBM 3580 LTO I ⁵	EMC Connectrix DS-16B Open Fabric Mode ¹¹ ; McDATA ES-1000	Cisco MDS: 9216, 9509; EMC Connectrix: DS-16M2 ⁶ , DS-16M ⁶ , DS-24M2 ⁶ , DS-32B2 ³⁹ , DS-32M2 ⁶ , DS-32M ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ HP-UX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14} ; Microsoft Windows 2000 Server SP3 ¹⁵ ; Sun Solaris 7	See ^{1, 3, 4}
13	FC-AL ⁷	IBM 3580 LTO I ⁵	McDATA ES-1000 ⁴²	Cisco MDS: 9216, 9509; EMC Connectrix: DS-16M2 ⁶ , DS-16M ⁶ , DS-24M2 ⁶ , DS-32M2 ⁶ , DS-32M ⁶ , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	IBM AIX: 4.3.3, 5.1	See ^{1, 3, 4, 16, 26}
14	FC-AL ⁷	IBM 3580 LTO I ⁵ , STK 9840 ^{9, 10} , STK T9840A, STK T9940 ^{9, 10}		EMC Connectrix DS-24M2 ⁶ ; McDATA ES-4500 ⁶	HPQ HP-UX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14} ; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 7, 8	See ^{1, 3, 4}

No.	Tape Storage Type	Tape Device	Bridge	Switch	Operating System	Comments
15	FC-AL ⁷	STK 9840 ^{9, 10} , STK T9940 ^{9, 10}		Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ^{6, 11} , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{6, 13} , DS-16B ^{6, 12} , DS-8B ⁶	HPQ HP-UX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14} ; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 7, 8	See ^{1, 2, 3, 4}
16	FC-AL ⁷	STK 9840 ^{9, 10} , STK T9940 ^{9, 10}		Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ^{6, 11} , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B2 ^{6, 13} , DS-16B ^{6, 12} , DS-8B ⁶	Sun Solaris 2.6	See ^{1, 2, 3, 4}
17	FC-AL ⁷	STK 9840 ^{9, 10} , STK T9940 ^{9, 10}		Cisco MDS: 9216, 9509	Sun Solaris 2.6	See ^{1, 3, 4}
18	FC-AL ⁷	STK 9840 ^{9, 10} , STK T9940 ^{9, 10}	ADIC SNC 3000 ^{19, 20, 21, 22, 23}	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ^{6, 11} , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B2 ^{6, 13} , DS-16B ^{6, 12} , DS-8B ⁶	HPQ HP-UX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14} ; Sun Solaris 7	See ^{1, 2, 3, 4}
19	FC-AL ⁷	STK 9840 ^{9, 10} , STK T9940 ^{9, 10}	ADIC SNC 3000 ^{19, 20, 21, 22, 23}	EMC Connectrix: DS-16M2 ⁶ , DS-16M ⁶ , DS-24M2 ⁶ , DS-32M2 ⁶ , DS-32M ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ^{6, 6}	Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 8	See ^{1, 3, 4}
20	FC-AL ⁷	STK 9840 ^{9, 10} , STK T9940 ^{9, 10}	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} , SAN Gateway ^{19, 20, 21, 22, 23}	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ^{6, 11} , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B2 ^{6, 13} , DS-16B ^{6, 12} , DS-8B ⁶	HPQ HP-UX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14} ; Sun Solaris 7	See ^{1, 2, 3, 4}
21	FC-AL ⁷	STK 9840 ^{9, 10} , STK T9940 ^{9, 10}	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} , SAN Gateway ^{19, 20, 21, 22, 23} ; EMC Connectrix DS-16B Open Fabric Mode ¹¹ ; McDATA ES-1000	Cisco MDS: 9216, 9509; EMC Connectrix: DS-16M2 ⁶ , DS-16M ⁶ , DS-24M2 ⁶ , DS-32M2 ⁶ , DS-32M ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 8	See ^{1, 3, 4}

No.	Tape Storage Type	Tape Device	Bridge	Switch	Operating System	Comments
22	FC-AL ⁷	STK 9840 ^{9, 10} , STK T9940 ^{9, 10}	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} , SNC 3000 ^{19, 20, 21, 22, 23}	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ^{6, 11} , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{2, 13} , DS-16B ^{6, 12} , DS-8B ⁶	Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 8	See ^{1, 2, 3, 4}
23	FC-AL ⁷	STK 9840 ^{9, 10} , STK T9940 ^{9, 10}	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} , SNC 3000 ^{19, 20, 21, 22, 23}	EMC Connectrix: DS-16M ^{2, 6} , DS-16M ⁶ , DS-24M ^{2, 6} , DS-32M ^{2, 6} , DS-32M ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ HP-LUX: 11.0 ⁸ , 11i v1.0 (HP-LUX 11.11) ^{8, 14} ; Sun Solaris 7	See ^{1, 3, 4}
24	FC-AL ⁷	STK 9840 ^{9, 10} , STK T9940 ^{9, 10}	EMC Connectrix DS-16B Open Fabric Mode ¹¹ ; McDATA ES-1000	Cisco MDS: 9216, 9509; EMC Connectrix: DS-16M ^{2, 6} , DS-16M ⁶ , DS-24M ^{2, 6} , DS-32M ^{2, 6} , DS-32M ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ HP-LUX: 11.0 ⁸ , 11i v1.0 (HP-LUX 11.11) ^{8, 14} ; Sun Solaris 7	See ^{1, 3, 4}
25	FC-AL ⁷	STK T9840A		Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ^{6, 11} , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{2, 13} , DS-16B ^{6, 12} , DS-8B ⁶	HPQ HP-LUX: 11.0 ⁸ , 11i v1.0 (HP-LUX 11.11) ^{8, 14} ; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 7, 8	See ^{1, 2, 3, 4}
26	FC-AL ⁷	STK T9840A	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} , SNC 3000 ^{19, 20, 21, 22, 23}	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ^{6, 11} , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{2, 13} , DS-16B ^{6, 12} , DS-8B ⁶	HPQ HP-LUX: 11.0 ⁸ , 11i v1.0 (HP-LUX 11.11) ^{8, 14} ; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 7, 8	See ^{1, 2, 3, 4}

No.	Tape Storage Type	Tape Device	Bridge	Switch	Operating System	Comments
27	FC-AL ⁷	STK T9840A	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} , SAN Gateway ^{19, 20, 21, 22, 23} , SNC 3000 ^{19, 20, 21, 22, 23} ; EMC Connectrix DS-16B Open Fabric Mode ¹¹ ; McDATA ES-1000	EMC Connectrix: DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ HP-UX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14} ; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 7, 8	See ^{1, 3, 4}
28	FC-SW	HPQ HP Ultrium LTO II, IBM Ultrium LTO II, STK 9940B ^{9, 10} , STK T9840B ^{9, 10}		Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ^{6, 24} , 3800 ^{6, 24} , 3900 ⁶ , 6400 ⁶ ; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ^{26, 13, 24} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032, ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ HP-UX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14} ; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 7, 8	See ^{1, 3, 4}
29	FC-SW	STK 9840C		Brocade Silkworm: 1000, 12000, 2400, 2800, 3200, 3800, 3900, 6400; Cisco MDS: 9216, 9509; EMC Connectrix: DS-16B ²¹³ , DS-16B ¹² , DS-16M, DS-16M2, DS-24M2, DS-32B ²³⁹ , DS-32M, DS-32M2, DS-8B, DS-8B2, ED-1032, ED-12000B ³⁹ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-2500, ES-3016, ES-3032, ES-3216, ES-3232, ES-4300 ⁴⁷ , ES-4500	Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Sun Solaris: 7, 8, 9	
30	SCSI	Generic AIT-3	ADIC SNC: 4000, 5000, 5100, 5101, 6101	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ^{8, 14} ; IBM AIX 5.1; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Sun Solaris 8 ¹⁷	See ^{1, 3, 4, 16, 26}
31	SCSI	Generic AIT-3	Exabyte Integrated Library Option	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-8B2, DS-8B ⁶	Novell Netware 5.10: SP5 ³⁴ , 35, SP6; Novell Netware 6.0: SP1 ³³ , 34, 35 SP2 ^{33, 34} , 35, SP3 ³³ ; Novell Netware 6.5 ^{33, 48}	See ^{1, 3, 4, 16, 26}

No.	Tape Storage Type	Tape Device	Bridge	Switch	Operating System	Comments
32	SCSI	Generic AIT-3	Exabyte Integrated Library Option	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-8B ⁶	HPQ HP-UX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14} ; IBM AIX: 4.3.3, 5.1; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6 ¹⁷ , 8 ¹⁷	See ^{1, 3, 4, 16, 26}
33	SCSI	Quantum SDLT 320	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² . Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell: PV-132 (Integrated FC Tape Option), PV-136T (integrated library option); HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	Sun Solaris: 2.6, 8	See ^{1, 3, 4, 16, 26}
34	SCSI	Quantum SDLT 320	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC420; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell: PV-132 (Integrated FC Tape Option), PV-136T (integrated library option); HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	Sun Solaris 7	See ^{1, 3, 4, 26}
35	SCSI	Quantum SDLT 320	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC310, FC420; Chaparral 2620 ³² . Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell PV-136T (integrated library option); HPQ MDR ²⁷ ; McDATA EB1200	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	DG DG/UX R4.20MU07	See ^{1, 3, 4, 16, 26}
36	SCSI	Quantum SDLT 320	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC310, FC420; Chaparral 2620 ³² . Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell: PV-132 (Integrated FC Tape Option), PV-136T (integrated library option); HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ² , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	Novell Network 6.0: SP1 ^{33, 34, 35} , SP2 ^{33, 34, 35} , SP3 ³³ ; Novell Network 6.5 ^{33, 46}	See ^{1, 3, 4, 16, 26}
37	SCSI	Quantum SDLT 320	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC310, FC420; Chaparral 2620 ³² . Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell: PV-132 (Integrated FC Tape Option), PV-136T (integrated library option); HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ² , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ Tru64 UNIX: V5.1A ³⁸ V5.1B ^{40, 41} , V5.137; IBM AIX 5.1; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵	See ^{1, 3, 4, 16, 26}

No.	Tape Storage Type	Tape Device	Bridge	Switch	Operating System	Comments
38	SCSI	Quantum SDLT 320	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC310, FC420; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell: PV-132 (Integrated FC Tape Option), PV-136T (integrated library option); HPQ: C6340F, MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	HPQ HP-UX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14}	See ^{1, 3, 4, 16, 26}
39	SCSI	Quantum SDLT 320	ATL FC420	EMC Connectrix: DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	Sun Solaris: 2.6, 8	See ^{1, 3, 4, 16, 26}
40	SCSI	Quantum SDLT 320	ATL FC420	EMC Connectrix: DS-32B ²³⁹ , ED-140M	Microsoft Windows 2000 Advanced Server SP3 ¹⁵ ; Sun Solaris 8	
41	SCSI	Quantum SDLT 320	ATL FC420; Crossroads Crossroads: 10000, 6000; HPQ: e1200, e2400, m2402, n1200	EMC Connectrix: DS-16B ²¹³ , DS-16B ¹² , DS-16M, DS-16M ² , DS-24M ² , DS-32B ²³⁹ , DS-32M, DS-32M ² , ED-1032, ED-12000B ³⁹ , ED-140M, ED-64M	Sun Solaris 9	
42	SCSI	Quantum SDLT 320	ATL FC420; Exabyte Integrated Library Option	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-8B ⁶	IBM AIX 4.3.3; Sun Solaris: 2.6 ¹⁷ , 8 ¹⁷	See ^{1, 3, 4, 16, 26}
43	SCSI	Quantum SDLT 320	Crossroads Crossroads: 10000, 6000; HPQ: e1200, e2400, m2402, n1200	EMC Connectrix: DS-16B ²¹³ , DS-16B ¹² , DS-16M, DS-16M ² , DS-24M ² , DS-32B ²³⁹ , DS-32M, DS-32M ² , ED-1032, ED-12000B ³⁹ , ED-140M, ED-64M	Microsoft Windows 2000 Advanced Server SP3 ¹⁵ ; Sun Solaris 8	
44	SCSI	Quantum SDLT 320	Exabyte Integrated Library Option	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-8B ² , DS-8B ⁶	Novell Netware 6.0; SP1 ^{33, 34, 35} ; SP2 ^{33, 34, 35} , SP3 ³³ ; Novell Netware 6.5 ^{33, 46}	See ^{1, 3, 4, 16, 26}
45	SCSI	Quantum SDLT 320	Exabyte Integrated Library Option	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-8B ⁶	HPQ HP-UX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14} ; IBM AIX 5.1; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵	See ^{1, 3, 4, 16, 26}
46	SCSI ²⁵	Exabyte M2 SCSI	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ MDR ²⁷ ; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ² , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	Novell Netware 5.10: SP5 ^{34, 35} , SP6; Novell Netware 6.0; SP1 ^{33, 34, 35} ; SP2 ^{33, 34, 35} , SP3 ³³ ; Novell Netware 6.5 ^{33, 46}	See ^{1, 3, 4, 16, 26}

No.	Tape Storage Type	Tape Device	Bridge	Switch	Operating System	Comments
47	SCSI ²⁵	Exabyte M2 SCSI	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ MDR ²⁷ ; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	HPQ HP-UX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14} ; IBM AIX: 4.3.3, 5.1; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6 ¹⁷ , 8 ¹⁷	See ^{1, 3, 4, 16, 26}
48	SCSI ²⁵	Exabyte M2 SCSI, Generic AIT-2, HPQ HP LTO I, IBM 3580 LTO SCSI ³⁶ , Quantum DLT 7000	Exabyte Integrated Library Option	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-8B ⁶	HPQ HP-UX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14} ; IBM AIX: 4.3.3, 5.1; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6 ¹⁷ , 8 ¹⁷	See ^{1, 3, 4, 16, 26}
49	SCSI ²⁵	Exabyte M2 SCSI, Generic AIT-2, HPQ HP LTO I, IBM 3580 LTO SCSI ³⁶ , Quantum DLT 7000, Quantum DLT 8000, Quantum SDLT 220	Exabyte Integrated Library Option	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-8B2, DS-8B ⁶	Novell Netware 5.10: SP5 ³⁴ , 35, SP6; Novell Netware 6.0: SP1 ³³ , 34, 35 SP2 ^{33, 34} , 35, SP3 ³³ ; Novell Netware 6.5 ^{33, 46}	See ^{1, 3, 4, 16, 26}
50	SCSI ²⁵	Generic AIT-2, Generic DTF, IBM 3590, STK 9840 SCSI	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	Sun Solaris 7	See ^{1, 3, 4, 26}
51	SCSI ²⁵	Generic AIT-2, Generic DTF, IBM 3590, STK 9840 SCSI, STK 9940 SCSI	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ MDR ²⁷ ; McDATA EB1200	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	DG DG/UX R4.20MU07	See ^{1, 3, 4, 16, 26}
52	SCSI ²⁵	Generic AIT-2, Generic DTF, IBM 3590, STK 9840 SCSI, STK 9940 SCSI	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B2, DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	Novell Netware 5.10: SP5 ³⁴ , 35, SP6; Novell Netware 6.0: SP1 ³³ , 34, 35 SP2 ^{33, 34} , 35, SP3 ³³ ; Novell Netware 6.5 ^{33, 46}	See ^{1, 3, 4, 16, 26}

No.	Tape Storage Type	Tape Device	Bridge	Switch	Operating System	Comments
53	SCSI ²⁵	Generic AIT-2, Generic DTF, IBM 3590, STK 9840 SCSI, STK 9940 SCSI	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} , SAN Gateway ^{19, 20, 21, 22, 23} , SNC 3000 ^{19, 20, 21, 22, 23} , SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ: C6340F, MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ HP-LUX: 11.0 ⁸ , 11i v1.0 (HP-LUX 11.11) ^{8, 14}	See ^{1, 3, 4, 16, 26}
54	SCSI ²⁵	Generic AIT-2, Generic DTF, STK 9840 SCSI	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} , SAN Gateway ^{19, 20, 21, 22, 23} , SNC 3000 ^{19, 20, 21, 22, 23} , SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ Tru64 UNIX: V5.1A ³⁸ V5.1B ^{40, 41} , V5.137; IBM AIX 5.1; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 8	See ^{1, 3, 4, 16, 26}
55	SCSI ²⁵	HPQ HP LTO I	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} , SAN Gateway ^{19, 20, 21, 22, 23} , SNC 3000 ^{19, 20, 21, 22, 23} , SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC310, FC420; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell: PV-128T (integrated library option), PV-136T (integrated library option); HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ Tru64 UNIX: V5.1A ³⁸ V5.1B ^{40, 41} , V5.137; IBM AIX 5.1; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 8	See ^{1, 3, 4, 16, 26}
56	SCSI ²⁵	HPQ HP LTO I	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} , SAN Gateway ^{19, 20, 21, 22, 23} , SNC 3000 ^{19, 20, 21, 22, 23} , SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell PV-136T (integrated library option); HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	Sun Solaris 7	See ^{1, 3, 4, 26}
57	SCSI ²⁵	HPQ HP LTO I	HPQ: A4673A ⁴³ , A4674A ⁴³	Brocade Silkworm: 12000, 2800, 3200, 3800, 3900; EMC Connectrix: DS-16B ²¹³ , DS-16B ¹² , DS-16M, DS-16M2, DS-24M2, DS-32B ²³⁹ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ³⁹ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 8, 9	
58	SCSI ²⁵	HPQ HP LTO I, IBM 3580 LTO SCSI ³⁶	Crossroads Crossroads: 10000, 6000; HPQ: e1200, e2400, m2402, n1200	EMC Connectrix: DS-16B ²¹³ , DS-16B ¹² , DS-16M, DS-16M2, DS-24M2, DS-32B ²³⁹ , DS-32M, DS-32M2, ED-1032, ED-12000B ³⁹ , ED-140M, ED-64M	Microsoft Windows 2000 Advanced Server SP3 ¹⁵ ; Sun Solaris: 8, 9	

No.	Tape Storage Type	Tape Device	Bridge	Switch	Operating System	Comments
59	SCSI ²⁵	HPQ HP LTO I, Quantum SDLT 220	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC310, FC420; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell: PV-128T (integrated library option), PV-136T (integrated library option); HPQ MDR ²⁷ ; McDATA EB1200	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{6, 13} , DS-16B ^{6, 12} , DS-16M ^{2, 6} , DS-16M ⁶ , DS-24M ^{2, 6} , DS-32M ^{2, 6} , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	DG DG/UX R4.20MU07	See ^{1, 3, 4, 16, 26}
60	SCSI ²⁵	HPQ HP LTO I, Quantum SDLT 220	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC310, FC420; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell: PV-128T (integrated library option), PV-136T (integrated library option); HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{6, 13} , DS-16B ^{6, 12} , DS-16M ^{2, 6} , DS-16M ⁶ , DS-24M ^{2, 6} , DS-32M ^{2, 6} , DS-32M ⁶ , DS-8B ^{2, 6} , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	Novell Netware 5.10: SP5 ^{34, 35} , SP6; Novell Netware 6.0: SP1 ^{33, 34, 35} , SP2 ^{33, 34, 35} , SP3 ³³ ; Novell Netware 6.5 ^{33, 46}	See ^{1, 3, 4, 16, 26}
61	SCSI ²⁵	HPQ HP LTO I, Quantum SDLT 220	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC310, FC420; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell: PV-128T (integrated library option), PV-136T (integrated library option); HPQ: C6340F, MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{6, 13} , DS-16B ^{6, 12} , DS-16M ^{2, 6} , DS-16M ⁶ , DS-24M ^{2, 6} , DS-32M ^{2, 6} , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	HPQ HP-LUX: 11.0 ⁸ , 11i v1.0 (HP-LUX 11.11) ^{8, 14}	See ^{1, 3, 4, 16, 26}
62	SCSI ²⁵	IBM 3580 LTO SCSI ³⁶	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC310, FC420; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell PV-136T (integrated library option); HPQ MDR ²⁷ ; McDATA EB1200	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{6, 13} , DS-16B ^{6, 12} , DS-16M ^{2, 6} , DS-16M ⁶ , DS-24M ^{2, 6} , DS-32M ^{2, 6} , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	DG DG/UX R4.20MU07	See ^{1, 3, 4, 16, 26}
63	SCSI ²⁵	IBM 3580 LTO SCSI ³⁶	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC310, FC420; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell: PV-132 (Integrated FC Tape Option), PV-136T (integrated library option); HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{6, 13} , DS-16B ^{6, 12} , DS-16M ^{2, 6} , DS-16M ⁶ , DS-24M ^{2, 6} , DS-32M ^{2, 6} , DS-32M ⁶ , DS-8B ^{2, 6} , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	Novell Netware 5.10: SP5 ^{34, 35} , SP6; Novell Netware 6.0: SP1 ^{33, 34, 35} , SP2 ^{33, 34, 35} , SP3 ³³ ; Novell Netware 6.5 ^{33, 46}	See ^{1, 3, 4, 16, 26}
64	SCSI ²⁵	IBM 3580 LTO SCSI ³⁶	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC310, FC420; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell: PV-132 (Integrated FC Tape Option), PV-136T (integrated library option); HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{6, 13} , DS-16B ^{6, 12} , DS-16M ^{2, 6} , DS-16M ⁶ , DS-24M ^{2, 6} , DS-32M ^{2, 6} , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	HPQ Tru64 UNIX: V5.1A ³⁸ , V5.1B ^{40, 41} , V5.137; IBM AIX: 4.3.3, 5.1; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 8	See ^{1, 3, 4, 16, 26}

No.	Tape Storage Type	Tape Device	Bridge	Switch	Operating System	Comments
65	SCSI ²⁵	IBM 3580 LTO SCSI ³⁶	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC310, FC420; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell: PV-132 (Integrated FC Tape Option), PV-136T (integrated library option); HPQ: C6340F, MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	HPQ HP-UX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ^{8, 14}	See ^{1, 3, 4, 16, 26}
66	SCSI ²⁵	IBM 3580 LTO SCSI ³⁶	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell: PV-132 (Integrated FC Tape Option), PV-136T (integrated library option); HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	Sun Solaris 7	See ^{1, 3, 4, 26}
67	SCSI ²⁵	IBM 3590	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	HPQ Tru64 UNIX: V5.1A ³⁸ V5.1B ^{40, 41} , V5.1 ³⁷ ; IBM AIX: 4.3.3, 5.1; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 8	See ^{1, 3, 4, 16, 26}
68	SCSI ²⁵	Quantum DLT 7000	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC230; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell PV-35F; HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	Sun Solaris 7	See ^{1, 3, 4, 26}
69	SCSI ²⁵	Quantum DLT 7000	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell PV-35F; HPQ MDR ²⁷ ; McDATA EB1200	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	DG DG/UX R4.20MU07	See ^{1, 3, 4, 16, 26}
70	SCSI ²⁵	Quantum DLT 7000	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell PV-35F; HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ² , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶ ;	Novell Netware 5.10: SP5 ³⁴ , SP6; Novell Netware 6.0: SP1 ³³ , SP2 ^{33, 34} , SP3 ³³ ; Novell Netware 6.5 ^{33, 46}	See ^{1, 3, 4, 16, 26}

No.	Tape Storage Type	Tape Device	Bridge	Switch	Operating System	Comments
71	SCSI ²⁵	Quantum DLT 7000	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell PV-35F; HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ Tru64 UNIX: V5.1A ³⁸ V5.1B ^{40, 41} , V5.1 ³⁷ ; IBM AIX 5.1; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 8	See ^{1, 3, 4, 16, 26}
72	SCSI ²⁵	Quantum DLT 7000	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell PV-35F; HPQ: C6340F, MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ HP-LUX: 11.0 ⁸ , 11i v1.0 (HP-LUX 11.11) ^{8, 14}	See ^{1, 3, 4, 16, 26}
73	SCSI ²⁵	Quantum DLT 7000	ATL FC230	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ HP-LUX: 11.0 ⁸ , 11i v1.0 (HP-LUX 11.11) ^{8, 14} ; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris 8	See ^{1, 3, 4, 26}
74	SCSI ²⁵	Quantum DLT 8000	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 8	See ^{1, 3, 4, 16, 26}
75	SCSI ²⁵	Quantum DLT 8000	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ: C6340F, MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ HP-LUX 11.0 ⁸	See ^{1, 3, 4, 16, 26}
76	SCSI ²⁵	Quantum DLT 8000	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ: C6340F, MDR ²⁷ ; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ HP-LUX 11i v1.0 (HP-LUX 11.11) ^{8, 14}	See ^{1, 3, 4, 16, 26}

No.	Tape Storage Type	Tape Device	Bridge	Switch	Operating System	Comments
77	SCSI ²⁵	Quantum DLT 8000	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC230, FC420; Crossroads: 4x00 ^{28, 29} , 8000; HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	Sun Solaris 7	See ^{1, 3, 4, 26}
78	SCSI ²⁵	Quantum DLT 8000	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC310, FC420; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ MDR ²⁷ ; McDATA EB1200	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	DG DG/UX R4.20MU07	See ^{1, 3, 4, 16, 26}
79	SCSI ²⁵	Quantum DLT 8000	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC310, FC420; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	Novell Netware 5.10: SP5 ^{34, 35} , SP6; Novell Netware 6.0: SP1 ^{33, 34, 35} , SP2 ^{33, 34, 35} , SP3 ³³ ; Novell Netware 6.5 ^{33, 46}	See ^{1, 3, 4, 16, 26}
80	SCSI ²⁵	Quantum DLT 8000	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC310, FC420; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ Tru64 UNIX: V5.1A ³⁸ , V5.1B ^{40, 41} , V5.137; IBM AIX: 4.3.3, 5.1	See ^{1, 3, 4, 16, 26}
81	SCSI ²⁵	Quantum DLT 8000	ATL FC230	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	Sun Solaris 8	See ^{1, 3, 4, 26}
82	SCSI ²⁵	Quantum DLT 8000	ATL FC420	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-8B ⁶	Sun Solaris 8 ¹⁷	See ^{1, 3, 4, 26}
83	SCSI ²⁵	Quantum DLT 8000	ATL FC420	EMC Connectrix: DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	Sun Solaris 2.6	See ^{1, 3, 4, 16, 26}
84	SCSI ²⁵	Quantum DLT 8000	ATL FC420	EMC Connectrix: DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	Sun Solaris 8	See ^{1, 3, 4, 26}
85	SCSI ²⁵	Quantum DLT 8000	ATL FC420	EMC Connectrix: DS-32B ²³⁹ , ED-140M; McDATA ED-6140	Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 8	
86	SCSI ²⁵	Quantum DLT 8000	ATL FC420; Exabyte Integrated Library Option	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{26, 13} , DS-16B ^{6, 12} , DS-8B ⁶	Sun Solaris 2.6 ¹⁷	See ^{1, 3, 4, 16, 26}
87	SCSI ²⁵	Quantum DLT 8000	ATL FC420; HPQ: A4673A ⁴³ , A4674A ⁴³	Brocade Silkworm: 12000, 2800, 3200, 3800, 3900; EMC Connectrix: DS-16B ²¹³ , DS-16B ¹² , DS-16M, DS-16M2, DS-24M2, DS-32B ²³⁹ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ³⁹ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	Sun Solaris 9	

No.	Tape Storage Type	Tape Device	Bridge	Switch	Operating System	Comments
88	SCSI ²⁵	Quantum DLT 8000	ATL: FC230, FC420	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ²⁶ , ¹³ , DS-16B ⁶ , ¹² , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ⁶ , ³⁹ , ED-64M ⁶ , ¹⁸ ; McDATA: ED-5000 ⁶ , ED-6064 ⁶ , ¹⁸ , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ HP-UX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ⁸ , ¹⁴ ; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵	See ^{1, 3, 4, 26}
89	SCSI ²⁵	Quantum DLT 8000	Crossroads 4x50 ^{30, 31}	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ²⁶ , ¹³ , DS-16B ⁶ , ¹² , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ⁶ , ³⁹ , ED-64M ⁶ , ¹⁸ ; McDATA: ED-5000 ⁶ , ED-6064 ⁶ , ¹⁸ , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶	Sun Solaris 7	See ^{1, 3, 4, 26}
90	SCSI ²⁵	Quantum DLT 8000	Exabyte Integrated Library Option	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ²⁶ , ¹³ , DS-16B ⁶ , ¹² , DS-8B ⁶	HPQ HP-UX: 11.0 ⁸ , 11i v1.0 (HP-UX 11.11) ⁸ , ¹⁴ ; IBM AIX: 4.3.3, 5.1; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris 8 ¹⁷	See ^{1, 3, 4, 16, 26}
91	SCSI ²⁵	Quantum DLT 8000	HPQ: A4673A ⁴³ , A4674A ⁴³	Brocade Silkworm: 12000, 2800, 3200, 3800, 3900; EMC Connectrix: DS-16B ²⁶ , ¹³ , DS-16B ¹² , DS-16M, DS-16M2, DS-24M2, DS-32B ²³⁹ , DS-32M, DS-32M2, DS-8B, ED-1032, ED-12000B ³⁹ , ED-140M, ED-64M; McDATA: ED-5000, ED-6064, ED-6140, ES-3016, ES-3032, ES-3216, ES-3232, ES-4500	Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ , SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵ ; Sun Solaris: 2.6, 8	
92	SCSI ²⁵	Quantum DLT 8000	McDATA EB1200	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ²⁶ , ¹³ , DS-16B ⁶ , ¹² , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ⁶ , ³⁹ , ED-64M ⁶ , ¹⁸ ; McDATA: ED-5000 ⁶ , ED-6064 ⁶ , ¹⁸ , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶	HPQ HP-UX 11i v1.0 (HP-UX 11.11) ⁸ , ¹⁴	See ^{1, 3, 4, 16, 26}
93	SCSI ²⁵	Quantum SDLT 220	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} , SAN Gateway ^{19, 20, 21, 22, 23} , SNC 3000 ^{19, 20, 21, 22, 23} , SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell: PV-128T (integrated library option), PV-136T (integrated library option); HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ²⁶ , ¹³ , DS-16B ⁶ , ¹² , DS-16M ²⁶ , DS-16M ⁶ , DS-24M ²⁶ , DS-32M ²⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ⁶ , ³⁹ , ED-64M ⁶ , ¹⁸ ; McDATA: ED-5000 ⁶ , ED-6064 ⁶ , ¹⁸ , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	Sun Solaris: 2.6, 8	See ^{1, 3, 4, 16, 26}

No.	Tape Storage Type	Tape Device	Bridge	Switch	Operating System	Comments
94	SCSI ²⁵	Quantum SDLT 220	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC420; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell PV-136T (integrated library option); HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{6, 13} , DS-16B ^{6, 12} , DS-16M ^{2, 6} , DS-16M ⁶ , DS-24M ^{2, 6} , DS-32M ^{2, 6} , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	Sun Solaris 7	See ^{1, 3, 4, 26}
95	SCSI ²⁵	Quantum SDLT 220	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL: FC310, FC420; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; Dell: PV-128T (integrated library option), PV-136T (integrated library option); HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{6, 13} , DS-16B ^{6, 12} , DS-16M ^{2, 6} , DS-16M ⁶ , DS-24M ^{2, 6} , DS-32M ^{2, 6} , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ Tru64 UNIX: V5.1A ³⁸ V5.1B ^{40, 41} , V5.1 ³⁷ ; IBM AIX 5.1; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵	See ^{1, 3, 4, 16, 26}
96	SCSI ²⁵	Quantum SDLT 220	ATL FC420	EMC Connectrix: DS-16M ^{2, 6} , DS-16M ⁶ , DS-24M ^{2, 6} , DS-32M ^{2, 6} , DS-32M ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	Sun Solaris: 2.6, 8	See ^{1, 3, 4, 16, 26}
97	SCSI ²⁵	Quantum SDLT 220	ATL FC420; Crossroads Crossroads: 10000, 6000; HPQ: e1200, e2400, m2402, n1200	EMC Connectrix: DS-16B ^{2, 13} , DS-16B ¹² , DS-16M, DS-16M ² , DS-24M ² , DS-32B ^{2, 39} , DS-32M, DS-32M ² , ED-1032, ED-12000B ³⁹ , ED-140M, ED-64M	Microsoft Windows 2000 Advanced Server: SP3 ¹⁵ ; Sun Solaris: 8, 9	
98	SCSI ²⁵	Quantum SDLT 220	ATL FC420; Exabyte Integrated Library Option	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{2, 13} , DS-16B ^{6, 12} , DS-8B ⁶	IBM AIX 4.3.3; Sun Solaris: 2.6 ¹⁷ , 8 ¹⁷	See ^{1, 3, 4, 16, 26}
99	SCSI ²⁵	Quantum SDLT 220	Exabyte Integrated Library Option	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{2, 13} , DS-16B ^{6, 12} , DS-8B ⁶	HPQ HP-LUX: 11.0 ⁸ , 11i v1.0 (HP-LUX 11.11) ^{8, 14} ; IBM AIX 5.1; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵	See ^{1, 3, 4, 16, 26}
100	SCSI ²⁵	STK 9940 SCSI	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade Silkworm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{2, 13} , DS-16B ^{6, 12} , DS-16M ^{2, 6} , DS-16M ⁶ , DS-24M ^{2, 6} , DS-32M ^{2, 6} , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-3232 ⁶ , ES-4500 ⁶	HPQ Tru64 UNIX: V5.1A ³⁸ V5.1B ^{40, 41} ; IBM AIX 5.1; Microsoft Windows 2000 Advanced Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows 2000 Server: SP2 ¹⁵ ; SP3 ¹⁵ ; Microsoft Windows NT 4.0 SP6A ¹⁵	See ^{1, 3, 4, 16, 26}

No.	Tape Storage Type	Tape Device	Bridge	Switch	Operating System	Comments
101	SCSI ²⁵	STK 9940 SCSI	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; ATL FC310; Chaparral 2620 ³² ; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade SilkWorm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{6, 13} , DS-16B ^{6, 12} , DS-16M ⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶	Sun Solaris 2.6	See ^{1, 3, 4, 16, 26}
102	SCSI ²⁵	STK 9940 SCSI	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade SilkWorm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{6, 13} , DS-16B ^{6, 12} , DS-16M ⁶ , DS-24M ⁶ , DS-32M ⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶ , ES-4500 ⁶	HPQ Tru64 UNIX V5.1 ³⁷	See ^{1, 3, 4, 16, 26}
103	SCSI ²⁵	STK 9940 SCSI	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ MDR ²⁷ ; McDATA EB1200; STK STK 3250	Brocade SilkWorm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{6, 13} , DS-16B ^{6, 12} , DS-16M ⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶	Sun Solaris 7	See ^{1, 3, 4, 26}
104	SCSI ²⁵	STK 9940 SCSI	ADIC: Gateway 3000 ^{19, 20, 21, 22, 23} SAN Gateway ^{19, 20, 21, 22, 23} SNC 3000 ^{19, 20, 21, 22, 23} SNC 4000, SNC 5000, SNC 5100, SNC 5101, SNC 6101; Crossroads: 4x00 ^{28, 29} , 4x50 ^{30, 31} , 8000; HPQ MDR ²⁷ ; STK STK 3250	Brocade SilkWorm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{6, 13} , DS-16B ^{6, 12} , DS-16M ⁶ , DS-24M ⁶ , DS-32M ⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶	Sun Solaris 8	See ^{1, 3, 4, 16, 26}
105	SCSI ²⁵	STK 9940 SCSI	ATL FC310; Chaparral 2620 ³²	Brocade SilkWorm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{6, 13} , DS-16B ^{6, 12} , DS-16M ⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶	HPQ Tru64 UNIX V5.1 ³⁷	See ^{1, 3, 4, 16, 26}
106	SCSI ²⁵	STK 9940 SCSI	ATL FC310; Chaparral 2620 ³² ; McDATA EB1200	Brocade SilkWorm: 12000 ⁶ , 2400 ⁶ , 2800 ⁶ , 3200 ⁶ , 3800 ⁶ , 3900 ⁶ , 6400 ⁶ ; EMC Connectrix: DS-16B ^{6, 13} , DS-16B ^{6, 12} , DS-16M ⁶ , DS-32M ⁶ , DS-8B ⁶ , ED-1032 ⁶ , ED-12000B ^{6, 39} , ED-64M ^{6, 18} ; McDATA: ED-5000 ⁶ , ED-6064 ^{6, 18} , ES-3016 ⁶ , ES-3032 ⁶ , ES-3216 ⁶	Sun Solaris 8	See ^{1, 3, 4, 16, 26}

- Reference the Mixed Storage Environment Interoperability Application for HBA sharing support.
- Bridge not applicable. Directly attached to FL_ports on a Brocade Switch.
- Refer to Heterogeneous switch table for the current list of supported switch combinations and supported firmware combinations
- Unless otherwise specified, use the common EMC supported HBA drivers (Symmetrix and CLARiiON) specified in the Base Connectivity tables.
- Recommend firmware levels: 18N2, 25D4
- Reference the Switch Fabric Topology Parameters and Mixed Storage Environment Interoperability Applications for code levels.
- Tape drive is configured as public FL port. QuickLoop fabric assist and translative mode is not supported.
- For HP-UX systems only: LVM Bad block reallocation (BBR) should be disabled and the LVM mechanism for marking blocks defective when a medium error is returned should be disabled for all HP LVM logical volumes residing on EMC devices. This can be accomplished by utilizing the upper case "N" flag when creating the logical volume or with the lvchange command. Examples: lvchange -r N /dev/vg01/lvol1 or lvcreate -r N /dev/vg01. The exception to this rule is if the logical volume is host mirrored using HP Mirror-UX, then this flag should not be set.
- Only single-ported applications of the STK 9840 and T9940 is supported. Simultaneous use of both ports may result in contention and is not supported.
- Moving the Fibre Channel cables associated with the tape or with the server communication to a different switch port while I/O is running will result in I/O failures and device lockout. If this occurs, you may be required to either power cycle the tape device or return FC cables to their original ports, and manually release the tape device to return the system to working order. It will then be necessary to restart the backup job.
- May also be used in open fabric mode (see Switch Interoperability Matrix for open fabric parameters).
- EMC DS-16B-00 contains multi-mode GBICs (850 nm Fibre Channel) "Extended Fabric License" feature can be utilized. EMC DS-16B-02 contains multi-mode GBICs (1310 nm Fibre Channel) "Extended Fabric License" feature can be utilized.
- EMC DS-16B2 for "Extended Fabric License", use minimum 3.0.2f firmware, 1 ISL per quad only. Extended Fabric License can be used only in homogeneous Brocade fabric.
- Symmetrix microcode version: 5266.33.23 or higher, 5566.35.23 or higher, 5267.22.15 or higher, 5567.29.15 or higher.
- EMC recommends that HBAs of different vendors not be used in the same host server.
- CLARiiON
- JNI SBus HBAs in Sun Servers (not applicable for EMC common driver support). The CLARiiON SBus driver used in conjunction with the JNI HBA does not support tape devices, therefore a separate JNI HBA with a different driver must be used to access the tape library. This requirement does not apply to SBus systems using the Emulex LP9002S-F2 HBA. This situation requires two different drivers: A special EMC CLARiiON driver for the JNI cards communicating to the CLARiiON storage system. The JNI-supplied driver for the JNI card communicating with the tape library. What to do: Contact CLARiiON Technical Support to obtain the special EMC CLARiiON driver and support notes S000412A and S000710 for detailed instructions (the JNI HBAs need to be renamed). Download the JNI-supplied driver (Revision 2.5.9) for the JNI card communicating with the tape library, which is fcaw.pkg under the jni heading, from <http://www.jni.com/Drivers/drivers3.cfm?ID=10&OSID=8>. CAUTION: Do not use fcaw.pkg under the emc subheading. Order the standard HBA model (HBAGL-SUNS). This model includes a driver that the customers should ignore or discard since they will be using the drivers referenced in 1 and 2 above.
- Supported for both 1 Gb and 2 Gb operation. See device vendor capability for link speed autonegotiation details.
- Moving the tape connection on the back panel of the ADIC (Pathlight) SAN Gateway requires a reboot of the bridge.
- Shortwave connections only. Must submit an RPQ for longwave environments.
- ADIC (Pathlight) SAN Gateway Virtual Private SAN (VPS) was used during validation to map SCSI-attached target devices to server HBAs.
- ADIC Management Console (AMC) 2.6 or above.
- Corresponds to IBM SDG 2108 model G07.
- Set switch to 1 GB mode.
- Bridge ports should be configured as FC-SW.
- Recommend two SCSI tape targets per SCSI bus including robotics device.
- All switches must be set Open Fabric mode when using an MDR bridge with any other combination of ED-1032, ED-xM, ES-xM, or McData switches.
- OEMed as STK 3x00.
- "x" corresponds to the number of independent SCSI buses available (x = 1, 2, or 4).
- OEMed as STK 3250 and ADIC FC250.
- An HP A4689A corresponds to a Crossroads 4450. An HP A4688A corresponds to a Crossroads 4250.
- Must be used in Gb mode. Check with vendor for availability for shipment to Pacific Rim. Not supported with the Comm Vault Galaxy.
- NetWare NSS has 120 LUN per port limitation. If NSS will not be used, 128 LUNs is supported.
- Maximum number of NWFS volumes that can be mounted is 64.
- Shared HBA environments between disk and tape/tape libraries are not supported for Novell.

36. Recommended Firmware levels: 29V0
37. Tru64 V5.1 latest qualified Patch Kit-0006 (T64V51B20AS0006-20030210).
38. **Tru64 V5.1A latest qualified Patch Kit 6 (T64V51AB24AS0006-20031031).**
39. EMC DS-32B2 or ED-12000B for "Extended Fabric License" use minimum 4.0.2a firmware, 1 x L2 or 2 x L1 ports per quad only.
40. V5.x:255 LUNs/Symmetrix Fibre director port (LUNs 001-0FE valid) Symmetrix 8000 Series only, OVMS director flag required (minimum 5265.48.30 or 5566.26.19), LUN 000 must be mapped to gatekeeper device, LUN 000 is not usable by Tru64 host.
41. **Tru64 V5.1B latest qualified Patch Kit 3 (T64V51BB24AS0003-20030929).**
42. May operate in Open Fabric mode, but must be directly connected to a "M" type or McDATA switch.
43. Supported inside the HP A6356A Interface Manager
44. Review the current switch interoperability configurations for supported combinations of heterogeneous switches and firmware levels.
45. When working in a heterogeneous storage (Disk or Tape) environment the fabric components (switches, directors, and HBAs) along with the operating system level, HBA models, drivers and firmware must all be at the EMC supported levels. Non-EMC storage (Disk or Tape) connecting to this fabric environment must also be supported through their respective OEM vendors in the stated environment. Deviations in any of the supported levels for any component can either be handle through EMC's or the respective vendor's RPQ process. This will ensure that all storage remain supported through their respective OEM vendors.
46. **QLogic driver obtained from http://www.qlogic.com/support/oem_detail_all.asp?oemid=65 is required.**
47. **Requires firmware 5.05.00 (This firmware revision is only to be used on ES-4300)**

Tape Library

1. Check the backup software suppliers device matrix to ensure that these tape libraries, tape drives and Fibre Channel-to-SCSI Bridges are supported for your particular operating system.
 2. The backup software supplier may require optional software packages for its software to use a tape library.
 3. When operating in an "Open Fabric" environment, review the current Switch Interoperability Application and the Topology Guide at <http://avatar.eng.emc.com>, for a full list of firmware requirements and supported solutions.
 4. SCSI attached libraries are supported with the FC-to-SCSI bridges defined in the Tape To ESN Connectivity Interoperability Application.
- Fibre Channel based libraries contain an embedded FC-to-SCSI bridge. See the Tape To ESN Connectivity Interoperability Application for FC-to-SCSI bridge information.

Not qualified for direct attachment with DS-xM, ES-xM or McData switches

No.	Tape Library Device	Storage System	Tape Storage Type	Firmware Revision
1	ADIC Scalar 100	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	Fibre, SCSI	
2	ADIC Scalar 1000, ADIC Scalar 10K, ATL P2000, ATL P4000, ATL P6000, ATL P7000, HPQ SureStore 2/20, HPQ SureStore 4/40, HPQ SureStore 6/60, IBM 3584, STK 9310, STK 9710, STK 9740, STK L180, STK L20, STK L40, STK L700, STK L80	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	SCSI	
3	ADIC Scalar 100, ADIC Scalar 24	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	Fibre	
4	ADIC Scalar 218, HPQ Galactica, Sony Petasite	EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	SCSI	
5	ADIC Scalar i2000	EMC CLARiiON CX200, EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	Fibre	
6	ATL 7100	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	SCSI	2.41
7	ATL M1500	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	Fibre	2.06
8	ATL M2500	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	Fibre	2.06
9	ATL P1000	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	SCSI	2.01
10	ATL P3000	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	SCSI	1.45
11	Dell PV-128T	EMC CLARiiON CX200, EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	Fibre	1.41D
12	Dell PV-130T	EMC CLARiiON CX200, EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	SCSI	1.6.04
13	Dell PV-132T ¹	EMC CLARiiON CX200, EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	Fibre	107D, 200D
14	Dell PV-132T ¹	EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	Fibre ⁶	107D, 200D
15	Dell PV-136T	EMC CLARiiON CX200, EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	Fibre	2.88.0001
16	Dell PV-160T	EMC CLARiiON CX200, EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	FC-AL	101A
17	Exabyte 221L FC ²	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	FC-AL	10.3.2 ³
18	Exabyte X200	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	SCSI	
19	Exabyte X80 FC	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	Fibre	3.1.1
20	Exabyte X80 SCSI	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700	SCSI	207
21	HPQ MSL5026	EMC CLARiiON CX200, EMC CLARiiON CX600/CX400	Fibre, SCSI	3.18
22	HPQ MSL5052	EMC CLARiiON CX200, EMC CLARiiON CX600/CX400	Fibre ⁴ , SCSI	
23	IBM TLU 3583	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	Fibre, SCSI	4.11
24	Overland Storage LibraryPro	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	SCSI	4.20
25	Overland Storage Neo Series ⁵	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	Fibre ⁴ , SCSI	3.18

No.	Tape Library Device	Storage System	Tape Storage Type	Firmware Revision
26	QualStar TLS 4000 Family	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	SCSI	2.10G
27	Spectra Logic Spectra 12000, Spectra Logic Spectra 64000	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	Fibre	FQUIP: 30128FQ1, SQUIP: 1.27.03
28	STK 9714	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	SCSI	2.0.02
29	STK 9730	EMC CLARiiON CX600/CX400, EMC CLARiiON FC4700, EMC Symmetrix 8000 Series, EMC Symmetrix DMX Series	SCSI	1.5.06

1. Supported with CLARiiON attach only.
2. Currently not support with Emulex Sbus adapters
3. Specified version or above is recommended.
4. Fiber Channel Option revision T520
5. Fibre Channel library is not supported for direct attachment with DS-xM, ES-xM, or McData switches
6. **Fibre Channel based libraries contain an embedded FC-to-SCSI bridge. See the Tape To ESN Connectivity Interoperability Application for FC-to-SCSI bridge information.**

EMC Data Manager (EDM) 5.0.0 Matrix

November 12th, 2003 13:02

Supported Server OS and Platforms

EDM Network Backup Support

EDM Symmetrix Path Support

EDM Symmetrix Connect Support

Supported Clusters for EDM Backup Support

NAS/NDMP Backup and Restore Support

EDM Acronym Definitions

EDM Hardware Support Matrix

Supported Server OS and Platforms

The EDM 5.0.0 software requires Sun Microsystems Solaris 2.8 operating system and Solaris patches. EMC ships EDM with Solaris 2.8 and the Solaris patches already installed.

The EDM 5.0.0 software runs on the following hardware from Sun Microsystems:

- Enterprise 450
- Ultra Enterprise 3500
- Ultra Enterprise 4500
- Ultra Enterprise 6500
- Ultra Enterprise 10000
- Sun Fire V280 (Customer must supply additional disk space for catalogs)
- Sun Fire V480 (Customer must supply additional disk space for catalogs)
- Sun Fire V880
- Sun Fire 3800/4800/6800

The EDM software also supports the hardware for previous versions of EDM. The minimum memory requirement on the server is 2 GB.

EDM Network Backup Support

Supported Network Backup and Recovery Clients.

Vendor & Platform	Operating System	Backup Client Features: Filesystem Clients Database Clients	Remarks	
EMC Celerra File Server	NAS 2.2.35.4 2.2.25.6 2.2.15.4 3.0.15 3.0.21 4.0, 4.1, 4.2.10, 5.0.10, 5.1.15, 5.1.18		Beginning with 3.0.15, the EMC HighRoad (MPFS – Multiplex Filesystem) option is also available, allowing for support of both NFS– and MPFS–mounted filesystems. For Solaris platforms, all available HighRoad (MPFS) must be installed.	
Fujitsu PRIMEPOWER (GPF7000F and GPF7000S)	Solaris 2.6, 2.7, 8, 9	ACL, FB, LFS, LNK, VxFS	Oracle 8.0.x, 8.1.x, 9.0.1, 9.2.x	
HP 9000/700	HP-UX 10.20	Std, ACL, LNK		
HP 9000 All Classes	HP-UX 10.20	ACL, FB, LFS, LNK, VxFS	Oracle 7.3, 8.0.x, 8i, Sybase Backint 3.1 Informix 7.3x, 9.2x	
HP 9000 All Classes	HP-UX 11.00	ACL, FB, LFS, LNK, VxFS	Oracle 9.0.1, 9.2.x Sybase 11.9x, Sybase12, 12.5 Backint 3.1, 4.5, 4.6, 4.7 Informix 7.3x, 9.2x	
HP 9000 All Classes	HP-UX 11i	ACL, FB, LFS, LNK, VxFS	Oracle 8.0.x, 8.1.x, 9.0.1, 9.2.x Informix 7.3, 9.1x, 9.2x, 9.3 Backint 3.1, 4.5, 4.6, 4.7 Sybase 11.9.x, 12, 12.5	
HP Itanium	HP-UX 11.20	ACL, FB, LFS, LNK, VxFS		
HP	Tru64 UNIX (formerly DEC UNIX) 4.0.x	ACL, FB, LFS, LNK, ADV	Oracle 7.3, 8.0.x, 8.1.x Sybase 12 Backint 3.1 Informix	Tru64 UNIX 4.0 has no support for port control.
HP	Tru64 UNIX (formerly DEC UNIX) 5.0	ACL, FB, LFS, LNK, ADV	Oracle 8.0.x, 8.1.x, 9.0.1 Backint 4.5, 4.6 Sybase 12, 12.5	
HP	Tru64 UNIX (formerly DEC UNIX) 5.1	ACL, FB, LFS, LNK, ADV	Oracle 8.0.x, 8.1.x, 9.0.1, 9.2.x Backint 4.5, 4.6 Sybase 12, 12.5 Informix 9.2.x	Compaq Patch Kit 3 Build 17 is required.
HP Alpha	OpenVMS 6.2, 7.1–xxx, 7.2–xxx, 7.3	Std, ACL, LFS	None	Requires DEC TCP/IP for OpenVMS or MultiNet for OpenVMS

Vendor & Platform	Operating System		Backup Client Features: Filesystem Clients Database Clients		Remarks
IBM RS/6000 & Power Parallel SP2	AIX	4.3.x	ACL, FB, JFS, LFS, LNK	Oracle 7.3, 8.0.x, 8.1.x, 9.0.1, 9.2 Sybase 11.9x, 12.0, 12.5 Backint 3.1, 4.5, 4.6 Informix 7.3x, 9.2x	Sybase12 support is AIX 4.3.x only. Oracle 8.0.x support is 32-bit only. Oracle 8.1.x is required for RS/6000 Proxy Symmetrix Connect support.
IBM RS/6000 & Power Parallel SP2	AIX	5.1	ACL, FB, JFS, JFS2, LFS, LNK	Oracle 7.3, 8.0.x, 8.1.x, 9.0.1, 9.2 Sybase 12.5 Backint 4.5, 4.6, 4.7 Informix	Sybase12 support is AIX 4.3.x only. Oracle 8.0.x support is 32-bit only. Oracle 8.1.x is required for RS/6000 Proxy Symmetrix Connect support.
IBM RS/6000 & Power Parallel SP2	AIX	5.2	ACL, FB, JFS, JFS2, LFS, LNK	Oracle 9.2 Backint 4.7	
IBM Intel x86	OS/2	4.0 Warp	Std	None	
Microsoft Intel x86	Windows NT	4.0	Std, FB, LFS	SQL 7.0, SQL2000 Exchange 5.5 Oracle 7.3, 8.0.x, 8.1.x Lotus Notes cc:Mail SAP R/3 Backint	Filesystems & applications require EDMBackup for Windows NT v3.1.0 or higher
Microsoft Intel x86	Windows 2000		Std, FB, LFS	SQL7, SQL2000 Exchange 5.5, 2000 Oracle 8.1.x, 9.2.x Lotus Notes 5.0.x (above 5.0.4)	Filesystems & applications require EDMBackup for Windows 2000 v3.1.0 or higher. SQL2000 requires EDMBackup for Microsoft SQL Server v4.0 or higher. Exchange 2000 requires EDMBackup for Microsoft Exchange v3.1 or higher. Oracle 8.1.6 requires Oracle client v3.0.1. Lotus Notes requires Notes client 1.0.1 or higher.
Microsoft Intel x86	Windows XP		Std, FB, LFS		Filesystems & applications require EDMBackup for Windows XP v3.1.0 or higher
Microsoft Intel x86	Windows 2003		Std, FB, LFS	Oracle 9.2.x, SQL Server 2000, Exchange 2003	Filesystems & applications require EDMBackup for Windows 2003 v4.0.0 or higher
NCR System 3000	UNIX SVR4 MP-RAS	3.02	VxFS, FB, LNK		No port control support.
Novell Intel x86	NetWare	3.2, 4.2, 5.10, 6.0, 6.5	Std	None	NetWare Cluster Services supported with v3.0.2A.
Red Hat Intel x86	Linux	6.2	FB, LNK	None	Requires patch from Red Hat. For details, see the Red Hat Linux Install Requirements section of the EDM Release Notes. No raw partition support.
Red Hat Intel x86	Linux	7.0	FB, LNK	None	For patch information, contact EMC Customer Service. No raw partition support.
Red Hat Intel x86	Linux	7.1	FB, LFS, LNK	Oracle 8i	
Red Hat Intel x86	Linux	7.2	FB, LFS, LNK		
Red Hat Intel x86	Linux	7.3	FB, LFS, LNK	Oracle 8i	
Red Hat Intel x86	Linux	8.0	FB, LFS, LNK		
Red Hat Intel x86	Linux	9.0	FB, LFS, LNK		Requires at least EDM patch 500 10.
Red Hat Intel x86	Linux	AS 2.1	FB, LFS, LNK		Requires at least EDM patch 500 07.
Sequent NUMA-Q Intel x86	DYNIX/ptx	4.5.x, 4.6.x	ACL, FB, EFS, LFS, LNK	None	No port control support.
Sequent Symmetry Intel x86	DYNIX/ptx	4.4.x	ACL, FB, EFS, LFS, LNK	None	No port control support.
Siemens Pyramid Nile Series RM Series	DC/OSx	1.1	FB, LNK, VxFS	None	No port control support.
Siemens Pyramid Nile Series RM Series		5.4x	FB, LNK, VxFS	None	No port control support.
Silicon Graphics IP Series	IRIX	6.2	FB, LNK	None	
Silicon Graphics IP Series	IRIX	6.4	FB, LFS, LNK, XFS	None	IRIX 6.4 requires SGI patch SG0003577
Silicon Graphics IP Series	IRIX	6.5	FB, LFS, LNK, XFS	None	IRIX 6.5, v6.5.9 or higher is recommended.
Sun SPARC	Solaris	2.6	ACL, FB, LFS, LNK, VxFS	Oracle 8.0.x, 8.1.x, 9.0.1, 9.2.x Sybase 11.9.x, 12, 12.5 Informix 9.2x Backint 4.5, 4.6	
Sun SPARC	Solaris	7,8,9	ACL, FB, LFS, LNK, VxFS	Oracle 8.0.x, 8.1.x, 9.0.1, 9.2.x Sybase 11.9.x, 12, 12.5 Informix 9.1x, 9.2x, 9.3 Backint 4.5, 4.6, 4.7	
Sun Intel x86	Solaris	7, 8	ACL, FB, LFS, LNK, VxFS	None	

1. cc:Mail and Lotus Notes (except the native Domino R5 client) require St. Bernard Software's OFM.

EDM Symmetrix Path Support

This table lists platforms and database clients that EDM Symmetrix Path supports.

- Supported PowerPath versions 2.1.x, 3.0.x, 4.0.x (Solaris only without volume manager)

- Supported SymAPI versions 5.0.x, 5.1.x, 5.2.x, 5.3.x
- EDM 5.0 patch 6 and above contains Symm Socket Layer 1.7.x (this drops support for HP-UX 10.20).
- Minimum microcode level 64 (69 microcode supported on EDM 5.0 patch 6 and above, 70 microcode supported on EDM 5.0 patch 9 and above)

Supported EDM Symmetrix Path Backup Clients

Vendor & Platform	Operating System	Database Version	Remarks
Fujitsu PRIMEPOWER (Models GPF7000F and GPF7000S)	Solaris 2.6, 7, 8, 9	Oracle 8.0.x, 8.1.x, 9.0.1, 9.2.x	
HP 9000 All classes	HP-UX 10.20	Oracle 7.3, 8.0.x, 8.1.x, Backint 3.1 Sybase 11.9.x Informix 7.3x, 9.2x	HP-UX 10.20 is NOT supported for EDM 5.0 patch 500_06 or higher.
HP 9000 All classes	HP-UX 11.00	Oracle 7.3, 8.0.x, 8.1.x, 9.0.1, 9.2.x Informix 7.3x, 9.2x, 9.3.x (32-bit) Sybase 11.5, 11.9.x, 12.5 Backint 3.1, 4.5, 4.6, 4.7	
HP 9000 All classes	HP-UX 11i	Oracle 8.0.x, 8.1.x, 9.0.1, 9.2.x Informix 7.3x, 9.1x, 9.2x, 9.3 Sybase 11.9.x, 12, 12.5 Backint 4.5, 4.6, 4.7	
IBM RS/6000 SP2	AIX 4.3.x	Oracle 7.3, 8.0.x, 8.1.x, 9.0.1, 9.2 Backint 4.5, 4.6 Sybase 12.0, 12.5 Informix 7.3x, 9.2x, 9.3.x (32-bit)	Oracle 8.1.x is required for RS/6000 Proxy Symmetrix Connect support. 64-bit Oracle requires minimum EDM patch PE500_06.
IBM RS/6000 SP2	AIX 5.1	Oracle 7.3, 8.0.x, 8.1.x, 9.0.1, 9.2 Backint 4.6, 4.7 Sybase 12.0, 12.5 Informix	Oracle 8.1.x is required for RS/6000 Proxy Symmetrix Connect support. 64-bit Oracle requires minimum EDM patch PE500_06.
IBM RS/6000 SP2	AIX 5.2	Oracle 9.2 Backint 4.7	Requires a minimum of EDM patch PE500_11 or above
Microsoft Intel x86	Windows NT 4.0	SQL Server 7.0, 2000 Exchange 5.5 Oracle 7.3, 8.0.x, 8.1.x Lotus Notes cc:Mail SAP R/3 Backint	
Microsoft Intel x86	Windows 2000	Oracle 9.2.x SQL 7.0, SQL2000 Exchange 5.5, 2000 Lotus Notes 5.0.x	Windows 2000 support is for Professional and Advanced Server. Datacenter is supported for 32-bit filesystems only. Exchange 2000 requires Exchange client v3.0. Lotus Notes requires Domino 5.0.4 or higher and Notes client 1.0.1 or higher.
Microsoft Intel x86	Windows 2003	Oracle 9.2.x SQL Server 2000 Exchange 2003	Requires a minimum of EDM patch PE500_11 or above and NTFS client patch PFS400_02 or above
Novell Intel x86	NetWare 5.10, 6.0, 6.5		No SFTIII support. NetWare Cluster Services supported with v3.0.2A
Sun-4 (SPARC)	Solaris 2.6	Oracle 7.3, 8.0.x, 8.1.x, 9.0.1, 9.2.x (32-bit) Sybase 11.9.x Informix 7.3, 9.2, 9.3 (32-bit) Backint 3.1, 4.5	
Sun-4 (SPARC)	Solaris 7	Oracle 8.0.x, 8.1.x, 9.0.1, 9.2.x (32-bit) Sybase 11.9.x, 12 Informix 7.3, 9.2 Backint 3.1, 4.5, 4.6, 4.7	
Sun-4 (SPARC)	Solaris 8, 9	Oracle 8.0.x, 8.1.x, 9.0.1, 9.2.x Sybase 11.9.x, 12 Informix 9.2 Backint 4.5, 4.6, 4.7	
Sun Ultra III (SPARC)	Solaris 8	Oracle 8.0.x, 8.1.x, 9.0.1, 9.2.x Sybase 11.9.x Backint 4.5, 4.6, 4.7	

EDM Symmetrix Connect Support

This table lists the clients that Symmetrix Connect supports. See Acronyms Used for EDM for acronym definitions.

- Supported PowerPath versions 2.1.x, 3.0.x, 4.0.x (Solaris only without volume manager)
- Supported SymAPI versions 5.0.x, 5.1.x, 5.2.x, 5.3.x
- Minimum microcode level 64 (69 microcode supported on EDM 5.0 patch 6 and above, 70 microcode supported on EDM 5.0 patch 9 and above)

Supported EDM Symmetrix Connect Backup Clients

Vendor & Platform	Operating System	Logical Volume Manager	Filesystem Type ¹	Database Version	Remarks
Fujitsu PRIMEPOWER (Models GPF7000F and GPF7000S)	Solaris 2.6, 7, 8, 9	VxVM 3.x (up to 3.5)	UFS, VxFS	Oracle 8.0.x, 8.1.x, 9.0.1, 9.2.x	
HP 9000 All classes	HP-UX 10.20	HP-LVM	HFS, VxFS	Oracle 7.3.x, 8.0.x, 8i, Backint 3.1, 4.0	
HP 9000 All classes	HP-UX 11.00	HP-LVM	HFS, VxFS	Oracle 7.3.x, 8.0.x, 8.1.x, 9.0.1, 9.2.x Backint 3.1, 4.0, 4.5, 4.6, 4.7	
HP 9000 All classes	HP-UX 11i	HP-LVM	HFS, VxFS	Oracle 7.3.x, 8.0.x, 8.1.x, 9.0.1, 9.2.x Backint 3.1, 4.0, 4.5, 4.6, 4.7	
HP	Tru64 UNIX V4.0x	LSM	UFS, AdvFS	Oracle 7.3, 8.0.x, 8.1.x, 9.0.1, 9.2.x (32-bit)	AdvFS restricted to one fileset/domain
HP	Tru64 UNIX V5.x	LSM	UFS, AdvFS	Oracle 8.1.x	AdvFS restricted to one fileset/domain
IBM RS/6000	AIX 4.3.x	IBM-LVM	JFS	Oracle 7.3.x, 8.0.x, 8.1.x, 9.0.1, 9.2.0 Backint 3.1, 4.0, 4.5, 4.6	Backup of individual files within compressed filesystems not supported.
IBM RS/6000	AIX 5.1, 5.2	IBM-LVM	JFS, JFS2	Oracle 9.2, Backint 4.7	
Microsoft Intel x86	Windows NT 4.0	NT Disk Administrator	NTFS	Oracle 7.3.x, 8.0.x, 8.1.x, 9.2.x Exchange 5.5 SQL Server 7.0, 2000	No support for RMAN Proxy Copy.
Microsoft Intel x86	Windows 2000	Logical Disk Manager	NTFS	SQL Server 7.0, 2000 Oracle 8.1.7, 9.2.x Exchange 5.5	No support for RMAN Proxy Copy.
Microsoft Intel x86	Windows 2003	Logical Disk Manager	NTFS	SQL Server 2000 Oracle 9.2.x	Symcli 5.2 or above needed for Emulex Storport driver support

Vendor & Platform	Operating System	Logical Volume Manager	Filesystem Type ¹	Database Version	Remarks
Sequent Symmetry or NUMA-Q Intel x86s	Dynix/ptx 4.4.x, 4.5.x, 4.6.x	Sequent Volume Manager (VERITAS)	UFS, EFS	Oracle 7.3.3 minimum, 8.0.x, 8.1.x	
Sun 4 (SPARC)	Solaris 2.6	VxVM 3.x (up to 3.5)	UFS, VxFS	Oracle 7.3.x, 8.0.x, 8.1.x, 9.0.1, 9.2.x Backint 3.1, 4.0, 4.5, 4.6	
Sun 4 (SPARC)	Solaris 7	VxVM 3.x (up to 3.5)	UFS, VxFS	Oracle 7.3.x, 8.0.x, 8.1.x, 9.0.1, 9.2.x Backint 3.1, 4.0, 4.5, 4.6, 4.7	
Sun 4 (SPARC)	Solaris 8, 9	VxVM 3.x (up to 3.5)	UFS, VxFS	Oracle 8.1.x, 9.0.1, 9.2.x Backint 4.5, 4.6, 4.7	
Sun Ultra III (SPARC)	Solaris 8	VxVM 3.x (up to 3.5)	UFS, VxFS	Oracle 8.1.x, 9.0.1, 9.2.x Backint 4.6, 4.7	

1. See EDM Acronym Definitions

Supported Clusters for EDM Backup

These Cluster products are supported for EDM 5.0 backup, provided the following conditions are met:

- The EMC Support Matrix must contain support for your particular platform, OS, HBA, and Powerpath version.
- This EDM 5.0 Support matrix must show support for your platform, OS, backup type and application.

Cluster Services

- Legato cluster
- IBM HACMP
- Veritas VCS
- SUN cluster server
- Microsoft MSCS
- Oracle (RAC) Real Application Cluster (Please contact EMC Customer Service for specific configuration information)
- HP Service Guard

NAS/NDMP Backup and Restore Support

- NFS mounted backups for Celerra (See Network backup table above for supported revs)
- Highroad(SAN) Backups for Celerra (3.0.15, 4.2.10, 5.0.10, 5.1.9.4, 5.1.15.3 minimum revs or greater)
- Local(SAN) NDMP Backups for Celerra (2.2.46.4, 4.2.10, 5.0.10, 5.1.9.4, 5.1.15.3 minimum revs or greater)
- Local(SAN) NDMP Backups for Clarion IP4700 (R2.0 p19.1 minimum)

Network Data Management Protocol Support (NDMP) Tape Library Unit Support

- Tape library and drive combination must be supported by EDM
- Drive must be supported by Celerra

EDM Acronym Definitions

This table describes acronyms and abbreviations that appear in the EDM matrix.

Acronyms Used for EDM

Acronym	Definition
ACL	Access Control List
ADV	Compaq/DEC Advanced Filesystem
EFS	Enhanced Filesystem
FB	EDM File Browser
FS	Filesystem
JFS	Journal Filesystem
JFS2	Enhanced Journal Filesystem
LFS	Large File Support(See Size Limits for Certain Clients for limits)
LNK	EDM Transfer Protocol, also called EDM-Link, a replacement for remote shell support (rsh)
NDMP	Network Data Management Protocol
RAW	Raw Filesystem
RPQ	Request for Price Quotation
STD	Standard-speed client
VxFS	VERITAS File System
VxVM	VERITAS Volume Manager
XFS	SGI Extended Filesystem

EDM Hardware Support Matrix

Supported Media for EMC Supplied Tape Library Units

For DLTape IV half-inch data cartridges we support the following vendors only:

- Fujifilm
- Maxell
- Quantum
- EMC

*DLT, DLTape, and the DLT logo are trademarks of Quantum Corporation.

For LTO tape we support the following vendors only:

- Fujifilm
- Maxell

Supported Tape Library/Drive Configurations

Contact your EDM sales representative for support of any devices not listed.

Definitions

Direct Attach SCSI: Refers to connecting SCSI tape drives directly to the EDM server. No bridges or switches in between the EDM and the TLU/Tape Drives.

Fibre Attach SCSI: Refers to connecting SCSI tape drives **through a bridge and a switch** to the EDM server. The connection path would be EDM to a Switch to a Bridge to the TLU/Tape Drives.

Direct Attach Fibre: Refers to connecting Fibre ready tape drives **through a Brocade switch** to the EDM.
 STK 9840 A: This is STK marketing making a reference to the first 9840 drives available. STK engineering does not use this number because the initial drives never had the "A" designation. It was created when they came out with revision "B" of the 9840 drives, and yes 9840B does exist.
 DTF-1: Sony's GY-2120 tape drive
 DTF-2: Sony's GY-8240 tape drive

ADIC

Library Unit	Tape Drive	Drive Connectivity	Bridge
Scalar 1K/10K	DLT7000	Direct Attach SCSI	n/a
Scalar 1K/10K	DLT7000	Fibre Attach SCSI	ADIC Gateway / Pathlight 5000
Scalar 1K/10K	DLT8000	Direct Attach SCSI	n/a
Scalar 1K/10K	DLT8000	Fibre Attach SCSI	ADIC Gateway / Pathlight 5000
Scalar 1K/10K	SDLT 320	Direct Attach SCSI	N/a
Scalar 1K/10K	AIT2	Direct Attach SCSI	n/a
Scalar 1K/10K	AIT2	Fibre Attach SCSI	ADIC Gateway / Pathlight 5000
Scalar 1K/10K	AIT3	Direct Attach SCSI	n/a
Scalar 1K/10K	AIT3	Fibre Attach SCSI	ADIC Gateway / Pathlight 5000
Scalar 1K/10K	IBM 3590	Direct Attach SCSI	n/a
Scalar 1K/10K	IBM LTO1	Direct Attach SCSI	n/a
Scalar 1K/10K	IBM LTO1	Fibre Attach SCSI	ADIC Gateway / Pathlight 5000
Scalar i2000	IBM LTO2	Direct Attach SCSI	n/a
Scalar i2000	IBM LTO2 FC	Direct Attach Fibre	n/a

ATL/Quantum

Library Unit	Tape Drive	Drive Connectivity	Bridge
520 Series	DLT7000	Direct Attach SCSI	n/a
7100	DLT7000	Direct Attach SCSI	n/a
7100	DLT 8000	Direct Attach SCSI	n/a
M2500	HP LTO1	Direct Attach SCSI	n/a
M2500	DLT 8000	Direct Attach SCSI	n/a
P1000	DLT7000	Direct Attach SCSI	n/a
P1000	DLT8000	Direct Attach SCSI	n/a
P2000	DLT7000	Direct Attach SCSI	n/a
P2000	DLT8000	Direct Attach SCSI	n/a
P2000	DLT8000	Direct Attach SCSI	n/a
P2000	IBM LTO1	Direct Attach SCSI	n/a
P2000	DLT8000	Fibre Attach SCSI	Crossroads 4x50/8000
P2000	DLT8000	Fibre Attach SCSI	Pathlight SAN Gateway
P2000	DLT8000	Fibre Attach SCSI	Crossroads 4x50/8000
P2000	DLT8000	Fibre Attach SCSI	Pathlight SAN Gateway
P2000	IBM LTO1	Fibre Attach SCSI	Crossroads 4x50/8000
P2000	IBM LTO1	Fibre Attach SCSI	Pathlight SAN Gateway
P3000 ¹ /6000			

DLT7000
 Direct Attach SCSI
 n/a
 P3000¹/6000
 DLT7000
 Fibre Attach SCSI
 Crossroads 4x50/8000
 P3000¹/6000
 DLT7000
 Fibre Attach SCSI
 Pathlight SAN Gateway
 P3000¹/6000
 DLT7000
 Fibre Attach SCSI
 Prism FC230
 P3000¹/6000
 DLT8000
 Direct Attach SCSI
 n/a
 P3000¹/6000

DLT8000
 Fibre Attach SCSI
 Crossroads 4x50/8000
 P3000¹/6000
 DLT8000
 Fibre Attach SCSI
 Pathlight SAN Gateway
 P3000¹/6000
 DLT8000
 Fibre Attach SCSI
 Prism FC230
 P3000¹/6000
 SDLT320
 Direct Attach SCSI
 n/a
 P7000¹
 SDLT 320
 Direct Attach SCSI
 n/a
 P7000¹
 SDLT 320
 Fibre Attach SCSI
 Prism FC230
 P7000¹
 DLT8000
 Direct Attach SCSI
 n/a
 P7000¹
 DLT8000
 Fibre Attach SCSI
 Pathlight SAN Gateway
 P7000¹
 DLT8000
 Fibre Attach SCSI
 Crossroads 4x50/8000
 P7000¹
 DLT8000
 Fibre Attach SCSI
 Prism FC230
 P7000¹
 IBM LTO1
 Direct Attach SCSI
 n/a
 P7000¹
 IBM LTO1
 Fibre Attach SCSI
 Pathlight SAN Gateway
 P7000¹
 IBM LTO1
 Fibre Attach SCSI
 Crossroads 4x50/8000
 P7000¹
 IBM LTO1
 Fibre Attach SCSI
 Prism FC230

P7000¹

HP LTO2

Fibre Attach SCSI

FC470

1: Pass-Thru Mechanism (PTM) is also supported

HP

Library Unit	Tape Drive	Drive Connectivity	Bridge
SureStore 10/180 & 20/700	STK9840	Direct Attach SCSI	n/a
SureStore 10/180 & 20/700	STK9840	Fibre Attach SCSI	Crossroads 4x50/8000
SureStore 10/180 & 20/700	STK9840FC	Direct Attach Fibre	n/a
SureStore 10/180 & 20/700	STK9840B	Direct Attach SCSI	n/a
SureStore 10/180 & 20/700	STK9840B	Fibre Attach SCSI	Crossroads 4x50/8000
SureStore 10/180 & 20/700	STK9840B FC	Direct Attach Fibre	n/a
SureStore 10/180 & 20/700	HP LTO1	Direct Attach SCSI	n/a
SureStore 10/180 & 20/700	HP LTO1	Fibre Attach SCSI	Crossroads 4x50/8000
SureStore 10/180 & 20/700	HP LTO2	Direct Attach SCSI	n/a
SureStore 10/180 & 20/700	HP LTO2 FC	Direct Attach Fibre	n/a
SureStore 10/180 & 20/700	DLT8000	Direct Attach SCSI	n/a
SureStore 10/180 & 20/700	DLT8000	Fibre Attach SCSI	Crossroads 4x50/8000

IBM

Library Unit	Tape Drive	Drive Connectivity	Bridge
3584 Anaconda	IBM LTO1	Direct Attach SCSI	n/a
3584 Anaconda	IBM LTO1	Fibre Attach SCSI	Pathlight
3584 Anaconda	IBM LTO1 FC AL	Direct Attach Fibre	n/a
3584 Anaconda	IBM LTO2	Direct Attach SCSI	n/a
3584 Anaconda	IBM LTO2 FC	Direct Attach Fibre	n/a

NEC

Library Unit	Tape Drive	Drive Connectivity	Bridge
T20/40/80	IBM LTO1	Direct Attach SCSI	n/a
T20/40/80	IBM LTO1	Fibre Attach SCSI	Crossroads 4X50/8000
T20/40/80	IBM LTO1 FC AL	Direct Attach Fibre	n/a
T180	IBM LTO1	Direct Attach SCSI	n/a
T180	IBM LTO1	Fibre Attach SCSI	Crossroads 4X50/8000
T180	IBM LTO1 FC AL	Direct Attach Fibre	n/a
T700/700e (standalone only)	IBM LTO1	Direct Attach SCSI	n/a
T700/700e (standalone only)	IBM LTO1	Fibre Attach SCSI	Crossroads 4X50/8000
T700/700e (standalone only)	IBM LTO1 FC AL	Direct Attach Fibre	n/a

Sony

Library Unit	Tape Drive	Drive Connectivity	Bridge
B150L	DTF-1 HVD	Direct Attach SCSI	n/a
B150L	DTF-2 HVD	Direct Attach SCSI	n/a
B150L	DTF-2 FC	Direct Attach Fibre	n/a
PetasiteDMS-8400	DTF-1 HVD	Direct Attach SCSI	n/a
Petasite DMS-8400	DTF-2 HVD	Direct Attach SCSI	n/a
Petasite DMS-8400	DTF-2 FC	Direct Attach Fibre	n/a
Petasite DMS-8800	DTF-1 HVD	Direct Attach SCSI	n/a
Petasite DMS-8800	DTF-2 HVD	Direct Attach SCSI	n/a
Petasite DMS-8800	DTF-2 FC	Direct Attach Fibre	n/a

Spectralogic

Library Unit	Tape Drive	Drive Connectivity	Bridge
Spectralogic 12000	AIT 2	Direct Attach SCSI	n/a
Spectralogic 12000	AIT 2	Fibre Attach SCSI	fquip/squip
Spectralogic 12000	AIT 3	Direct Attach SCSI	n/a
Spectralogic 12000	AIT 3	Fibre Attach SCSI	fquip/squip
Spectralogic 64000	AIT 2	Direct Attach SCSI	n/a
Spectralogic 64000	AIT 2	Fibre Attach SCSI	fquip/squip
Spectralogic 64000	AIT 3	Direct Attach SCSI	n/a
Spectralogic 64000	AIT 3	Fibre Attach SCSI	fquip/squip

STK

Library Unit	Tape Drive	Drive Connectivity	Bridge
STK 9710	DLT7000	Direct Attach SCSI	n/a
STK 9714	DLT7000	Direct Attach SCSI	n/a
ACS 44x0	STK4480	Direct Attach SCSI	n/a
ACS 44x0	STK4490	Direct Attach SCSI	n/a

Library Unit	Tape Drive	Drive Connectivity	Bridge
ACS 44x0	STK9490	Direct Attach SCSI	n/a
ACS 44x0	STK9840	Direct Attach SCSI	n/a
ACS 44x0	IBM3590	Direct Attach SCSI	n/a
TimberWolfe 9740	DLT7000	Direct Attach SCSI	n/a
TimberWolfe 9740	DLT8000	Fibre Attach SCSI	Crossroads 4x50
TimberWolfe 9740	STK9490	Direct Attach SCSI	n/a
TimberWolfe 9740	STK9840	Direct Attach SCSI	n/a
TimberWolfe 9740	STK9840	Fibre Attach SCSI	Crossroads 4x50
L20/40/80	DLT8000	Direct Attach SCSI	n/a
L20/40/80	HP LTO1	Direct Attach SCSI	n/a
L20/40/80	IBM LTO1	Direct Attach SCSI	n/a
STK L180/700e (standalone only)	STK9840	Direct Attach SCSI	n/a
STK L180/700e (standalone only)	STK9840	Fibre Attach SCSI	Crossroads 4x50/8000
STK L180/700e (standalone only)	STK9840FC	Direct Attach Fibre	n/a
STK L180/700e (standalone only)	STK9840B	Direct Attach SCSI	n/a
STK L180/700e (standalone only)	STK9840B	Fibre Attach SCSI	Crossroads 4x50/8000
STK L180/700e (standalone only)	STK9840B FC	Direct Attach Fibre	n/a
STK L180/700e (standalone only)	IBM LTO1	Direct Attach SCSI	n/a
STK L180/700e (standalone only)	IBM LTO1	Fibre Attach SCSI	Crossroads 4x50/8000
STK L180/700e (standalone only)	IBM LTO1 FC AL	Direct Attach Fibre	n/a
STK L180/700e (standalone only)	IBM LTO2	Direct Attach SCSI	n/a
STK L180/700e (standalone only)	IBM LTO2 FC	Direct Attach Fibre	n/a
STK L180/700e (standalone only)	HP LTO1	Direct Attach SCSI	n/a
STK L180/700e (standalone only)	HP LTO1	Fibre Attach SCSI	Crossroads 4x50/8000
STK L180/700e (standalone only)	HP LTO2	Direct Attach SCSI	n/a
STK L180/700e (standalone only)	HP LTO2 FC	Direct Attach Fibre	n/a
STK L180/700e (standalone only)	SDLT 320	Direct Attach SCSI	N/a
STK L180/700e (standalone only)	DLT8000	Direct Attach SCSI	n/a
STK L180/700e (standalone only)	DLT8000	Fibre Attach SCSI	Crossroads 4x50/8000
STK L180/700e (standalone only)	DLT8000	Direct Attach SCSI	n/a
STK L180/700e (standalone only)	DLT8000	Fibre Attach SCSI	Crossroads 4x50/8000
PowderHorn 9310 w/ACSLs	STK9490	Direct Attach SCSI	n/a
PowderHorn 9310 w/ACSLs	STK9840	Direct Attach SCSI	n/a
PowderHorn 9310 w/ACSLs	STK9840	Fibre Attach SCSI	Crossroads 4x50
PowderHorn 9310 w/ACSLs	STK9840	Fibre Attach SCSI	Crossroads 4x50
PowderHorn 9310 w/ACSLs	IBM3590	Direct Attach SCSI	n/a
PowderHorn 9310 w/ACSLs	IBM3590	Fibre Attach SCSI	Crossroads 4x50
WolfCreek 9360 w/ACSLs	IBM3480	Direct Attach SCSI	n/a
WolfCreek 9360 w/ACSLs	IBM3490	Direct Attach SCSI	n/a
WolfCreek 9360 w/ACSLs	IBM3490E	Direct Attach SCSI	n/a

STK ACSLS

ACSLs Version	ACSLs Server	OS Version Connectivity
5.3.2	Sun	2.6
5.3.2	AIX	4.3.x
6.0.1	Sun	Solaris 8

Sun

Library Unit	Tape Drive	Drive Connectivity	Bridge
StoreEdge L180/700	STK9840	Direct Attach SCSI	n/a
StoreEdge L180/700	STK9840	Fibre Attach SCSI	Crossroads 4x50/8000
StoreEdge L180/700	STK9840FC	Direct Attach Fibre	n/a
StoreEdge L180/700	STK9840B	Direct Attach SCSI	n/a
StoreEdge L180/700	STK9840B	Fibre Attach SCSI	Crossroads 4x50/8000
StoreEdge L180/700	STK9840B FC	Direct Attach Fibre	n/a
StoreEdge L180/700	IBM LTO1	Direct Attach SCSI	n/a
StoreEdge L180/700	IBM LTO1	Fibre Attach SCSI	Crossroads 4x50/8000
StoreEdge L180/700	IBM LTO1 FC AL	Direct Attach Fibre	n/a
StoreEdge L180/700	IBM LTO2	Direct Attach SCSI	n/a
StoreEdge L180/700	IBM LTO2 FC	Direct Attach Fibre	n/a
StoreEdge L180/700	HP LTO1	Direct Attach SCSI	n/a
StoreEdge L180/700	HP LTO1	Fibre Attach SCSI	Crossroads 4x50/8000
StoreEdge L180/700	HP LTO2	Direct Attach SCSI	n/a
StoreEdge L180/700	HP LTO2 FC	Direct Attach Fibre	n/a
StoreEdge L180/700	DLT8000	Direct Attach SCSI	n/a
StoreEdge L180/700	DLT8000	Fibre Attach SCSI	Crossroads 4x50/8000

Non-EMC Backup Software Solutions

This section lists all the Open Systems topologies and associated configurations and components that are currently supported.

- EMC only specifies backup related components and revisions for those configurations that have EMC unique content. For configurations where the backup server is not connected to an EMC storage system, the backup software supplier should be consulted for questions about supported backup server hardware and software components (e.g., tape libraries, backup servers, and operating systems supported).
- An RPQ is required for CLARiiON configurations with both VERITAS NetBackup and VERITAS Cluster Server. Per VERITAS, these configurations must be installed by VERITAS Professional Services.
- For supported tape libraries and drives, see the table Tape Libraries.

Backup Topology							
	Local and LAN-Based Topologies	LAN Free, SAN with Dedicated Tape Drives ^{1 2}			LAN Free, SAN with Shared Tape Drives ^{1 2}		
Backup Server/Client Platform	Local, LAN-Based, and Private LAN	SAN	SAN and LAN	SAN and Private LAN	SAN	SAN and LAN	SAN and Private LAN
HP	See Table:Local, LAN-Based, and Private LAN Topologies	See Table:SAN with Dedicated Tape Drives	See Table:SAN and LAN with Dedicated Tape Drives	See Table:SAN and Private LAN with Dedicated Tape Drives	See Table:SAN with Shared Tape Drives	See Table:SAN and LAN with Shared Tape Drives	See Table:SAN and Private LAN with Shared Tape Drives
IBM	See Table:Local, LAN-Based, and Private LAN Topologies	See Table:SAN with Dedicated Tape Drives	See Table:SAN and LAN with Dedicated Tape Drives	See Table:SAN and Private LAN with Dedicated Tape Drives	See Table:SAN with Shared Tape Drives	See Table:SAN and LAN with Shared Tape Drives	See Table:SAN and Private LAN with Shared Tape Drives
Intel: Novell NetWare	See Table:Local, LAN-Based, and Private LAN Topologies	See Table:SAN with Dedicated Tape Drives	See Table:SAN and LAN with Dedicated Tape Drives	See Table:SAN and Private LAN with Dedicated Tape Drives	See Table:SAN with Shared Tape Drives	See Table:SAN and LAN with Shared Tape Drives	See Table:SAN and Private LAN with Shared Tape Drives
Intel: Windows 2000	See Table:Local, LAN-Based, and Private LAN Topologies	See Table:SAN with Dedicated Tape Drives	See Table:SAN and LAN with Dedicated Tape Drives	See Table:LAN and Private LAN with Dedicated Tape Drives	See Table:SAN with Shared Tape Drives	See Table:SAN and LAN with Shared Tape Drives	See Table:SAN and Private LAN with Shared Tape Drives
Intel: Windows NT 4	See Table:Local, LAN-Based, and Private LAN Topologies	See Table:SAN with Dedicated Tape Drives	See Table:SAN and LAN with Dedicated Tape Drives	See Table:SAN and Private LAN with Dedicated Tape Drives	See Table:SAN with Shared Tape Drives	See Table:SAN and LAN with Shared Tape Drives	See Table:SAN and Private LAN with Shared Tape Drives
Linux	See Table:Local, LAN-Based, and Private LAN Topologies	See Table:SAN with Dedicated Tape Drives	See Table:SAN and LAN with Dedicated Tape Drives	See Table:SAN and Private LAN with Dedicated Tape Drives	See Table:SAN with Shared Tape Drives	See Table:SAN and LAN with Shared Tape Drives	See Table:SAN and Private LAN with Shared Tape Drives
SGI	See Table:Local, LAN-Based, and Private LAN Topologies	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported
Sun	See Table:Local, LAN-Based, and Private LAN Topologies	See Table:SAN with Dedicated Tape Drives	See Table:SAN and LAN with Dedicated Tape Drives	See Table:SAN and Private LAN with Dedicated Tape Drives	See Table:SAN with Shared Tape Drives	See Table:SAN and LAN with Shared Tape Drives	See Table:SAN and Private LAN with Shared Tape Drives

1.A dedicated tape drive is a tape drive within a library that is statically and permanently associated with one backup client. A shared tape drive is one that is dynamically and temporarily associated to a backup client.

2.Anchor switch is not supported. Hub (loop) configurations may not connect through a FC/SCSI bridge to a tape library.

Understanding Backup Software License Guidelines

With any backup application you must be aware of the licensing guidelines. For example, every vendor has standard support for a typical small tape library that consists of 1 drive and perhaps unlimited slots. If support for more than one tape drive is required, then another option (e.g., Tape Library Option) is required. Also, most client options include support for a set number of clients. Additional licenses must be purchased for additional installations.

The following chart provides a general overview of the options and agents that are available from the major backup application vendors. Please use it as a guideline for understanding customer solutions. Most vendors have all or a subset of these features but may use different names or terminology.

Backup Application License Guidelines

Main Component	Description	Questions to Ask
Basic Server Edition	Single Server Support	How many tape drives are supported?
Advanced Server	Multiple Server Support	Usually includes support for one drive and unlimited slots.
Enhanced Options & Agents		
Tape Library Option	Advanced library features	In most cases provides unlimited tape device support.
Cross-Platform Management	Heterogeneous platform support	What platforms does it support?
Clustering		
Open File Agent	Backup of files in use	
Disaster Recovery		What type of DR?
Client Agents		
NT/2000, NetWare, UNIX, Linux, OS/2, Windows 3.x, 9X, etc.	This option is usually sold on a per client basis or on a given limit such as 5 or 25 clients per package.	How many clients does your customer have?
Storage Area Network		
SAN Option	Support for Fibre Channel configurations. Allows multiple servers to share tape devices.	
Serverless Backup	Backup directly to a library avoiding server resources	
Database Protection		
Exchange, SQL, Oracle, Sybase, Informix, Lotus, etc	Database protection with various levels of support while online	License for how many databases?
High Speed Performance		
Image Option	Block level image of data rather than file by file including file-level restores	
Tape RAID	Provides striping across multiple tape devices	Improves performance and protection.
Archival Support		
Optical Library Option		

Backup Topologies

Local, LAN-Based, and Private LAN Topologies

Backup Vendor/Product	Backup Server or Client with Attached CLARiiON Storage Systems	Backup Server or Client with No Attached CLARiiON Storage Systems	Backup Components
EMC Data Manager (EDM)	Must confirm to restrictions in the other sections of this document.	No restrictions	Consult EDM support matrix.
Other vendors	Must confirm to restrictions in the other sections of this document.	No restrictions	Consult vendor's support matrix.

1.Currently, EDM backup servers are not configured with CLARiiON storage systems.

Configuration Rules

Use the following rules when configuring local, LAN-based and private LAN topologies and SAN-connected servers that are backed up by a local, LAN-based or private LAN topology (that is, topologies where the backup data does not flow over the SAN):

- Any backup server or client server that connects to EMC storage systems must adhere to the requirements in the other sections of this document.
- EMC places no restrictions on any backup server or client server that is not connected to EMC storage systems.
- Consult the backup software supplier's support matrix for component compatibility (server platform, operating systems, HBAs, tape driver, and tape libraries).

SAN with Dedicated Tape Drives

For information about supported tape libraries, tape drives, and Fibre Channel-to-SCSI bridges, see the table Tape to ESN Connectivity Information.

Backup Server/Client Platform ¹	Qualified Operating Systems	Backup Software Product
Sun Microsystems ²	Solaris 2.6, 8	BakBone NetVault 6.5.1 LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfix LGTpa31689, 6.1.1, 6.1.2, 6.1.3 Syncsort Backup Express VERITAS NetBackup Data Center, Rev 3.4 with Cumulative Patch J0850645
Sun Microsystems ²	Solaris 8	Computer Associates BrightStor Enterprise Backup v10.0 SP5 HotFix #1, HotFix #2 for SP5 HP OmniBack II 4.1, data protector 5.1 LEGATO NetWorker 7.0
Sun Microsystems ²	Solaris 9	HP OmniBack II 4.1, data protector 5.1 LEGATO NetWorker 6.1.2, 6.1.3, 7.0 VERITAS NetBackup Data Center 4.5
Intel: Novell	NetWare 5.10 SP4, SP5	BakBone NetVault 6.5.1 Computer Associates ARCserve 7, 9 for Novell NetWare VERITAS BackupExec for NetWare V8.5, 9.0
Intel: Novell	NetWare 6.0 SP1, SP2, SP3	Computer Associates ARCserve 7, 9 for Novell NetWare VERITAS Backup Exec for NetWare V9.0
Intel: Windows NT 4	SP6A	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.1 Computer Associates BrightStor ARCserve 2000, SP4; 9.0 Computer Associates BrightStor Enterprise Backup 10.5 with SP3 and patch Q017382, SP4 HP OmniBack II 4.1, data protector 5.1 LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfix LGTpa31689, 6.1.1, 6.2, 7.0 Syncsort Backup Express Tivoli Storage Manager 4.2.1 VERITAS Backup Exec for Windows NT and Windows 2000, Revision 8.6 ³ ; 9.0 VERITAS NetBackup Data Center, Rev 3.4 (with Cumulative Patch J0850482), 4.5 ⁵
Intel: Windows 2000 ⁶	SP1, SP2, SP3 ⁷	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.1 Computer Associates BrightStor ARCserve 2000, SP4; 9.0 Computer Associates BrightStor Enterprise Backup 10.5 with SP3 and patch Q017382, SP4 HP OmniBack II 4.1, data protector 5.1 LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfixes LGTpa31689 and LGTpa31323, 6.1.1, 6.2, 7.0 Syncsort Backup Express Tivoli Storage Manager 4.2.1 VERITAS Backup Exec for Windows NT and Windows 2000, Revision 8.6 ³ ; 9.0 VERITAS NetBackup Data Center, Rev 3.4 (with Cumulative Patch J0850482), 4.5 ⁵
Intel: Windows 2003	Initial release	CommVault Galaxy 4.2 ^{12 13} Computer Associates BrightStor ARCserve Backup v9 ^{11 12 13} Computer Associates BrightStor Enterprise Backup 10.5 ^{11 12 13} HP OmniBack II 4.1, data protector 5.1 LEGATO NetWorker 7.0 ^{12 13} VERITAS Backup Exec 9.0 ^{12 13} VERITAS NetBackup 4.5 ^{2 13}
Hewlett Packard ⁸	HP-UX 11.0	BakBone NetVault 6.5.1 LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfix LGTpa31689, 6.1.1, 6.1.3 VERITAS NetBackup Data Center, Rev 3.4, with Cumulative Patch J0850482
IBM ⁹	AIX 4.3.3, 5.2	LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfix LGTpa31689, 6.1.1, 6.1.3, 7.0 VERITAS NetBackup Data Center, Rev 3.4, with Cumulative Patch J0850482 Tivoli Storage Manager 4.2.1
Linux	Red Hat Linux 7.3, 8.0, 9.0 ¹⁴ , Advanced Server 2.1	LEGATO NetWorker 6.1.3, 7.0, 7.1
Linux	Red Hat Linux Advanced Server 2.1	VERITAS NetBackup Data Center 4.5

1. See CLARiiON Open Systems Support Matrix tables for supported servers.
2. For CLARiiON environments, see the table Tape to ESN Connectivity Information. This requirement does not apply to SBus systems using the Emulex LP9002S-F2 HBA.
3. Sharing a tape library between Window NT4 and Windows 2000 platforms running Backup Exec 8.6 and NetWare systems running Backup Exec for NetWare 9.0 is not supported.
4. Customers must run the OmniBack II 4.1 Device Test Tool (DTT) as a check to determine whether or not their FC/SAN environment is supported by OmniBack II 4.1. This tool is available on the HP Web site.
5. Server Free backup is not supported.
6. Windows 2000 using Emulex HBAs use driver 2.11a2 instead of 2.13a4.
7. Exceptions include: BakBone NetVault, Syncsort Backup Express, and Tivoli Manager.
8. Supported only as backup client. Only V-Class, N-Class, and L-Class models supported.
9. Supported only as backup client. SP series systems are not supported.
10. A dedicated HBA running the IBM native driver is required for Tivoli to communicate with tape drives and tape library autochangers.
11. Supported only with QLogic StorPort drivers.
12. Supported only with the Dell PV-132T and PV-136T tape libraries and SDLT 320, LTO-1 and LTO-2 SCSI tape drives
13. Supported with QLogic and Emulex SCSIport drivers.
14. **Supported on NetWorker 7.1 only.**

SAN and LAN with Dedicated Tape Drives

For information about supported tape libraries, tape drives, and Fibre Channel-to-SCSI bridges, see the table Tape to ESN Connectivity Information.

Backup Server and SAN Client Platform ¹	Qualified Operating Systems	Backup Software Product
Sun Microsystems ²	Solaris 2.6, 8	BakBone NetVault 6.5.1 LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfix LGTpa31689, 6.1.1, 6.1.2, 6.1.3 Syncsort Backup Express VERITAS NetBackup Data Center, Rev 3.4 with Cumulative Patch J0850645
Sun Microsystems ²	Solaris 8	Computer Associates BrightStor Enterprise Backup v10.0 SP5 HotFix #1, HotFix #2 for SP5 HP OmniBack II 4.1, data protector 5.1 LEGATO NetWorker 7.0
Sun Microsystems ²	Solaris 9	HP OmniBack II 4.1, data protector 5.1 LEGATO NetWorker 6.1.2, 6.1.3, 7.0 VERITAS NetBackup Data Center 4.5
Intel: Novell	NetWare 5.10 SP4, SP5	BakBone NetVault 6.5.1 Computer Associates ARCserve 7, 9 for Novell NetWare VERITAS Backup Exec for NetWare V8.5, 9.0
Intel: Novell	NetWare 6.0 SP1, SP2, SP3	Computer Associates ARCserve 7, 9 for Novell NetWare VERITAS Backup Exec for NetWare V9.0
Intel: Windows NT 4	SP6A	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.1 Computer Associates BrightStor ARCserve 2000, SP4; 9.0 Computer Associates BrightStor Enterprise Backup 10.5 with SP3 and patch Q017382, SP4 HP OmniBack II 4.1, data protector 5.1 LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfix LGTpa31689, 6.1.1, 6.2, 7.0 Syncsort Backup Express Tivoli Storage Manager 4.2.1 VERITAS Backup Exec for Windows NT and Windows 2000, Revision 8.6 ³ ; 9.0 VERITAS NetBackup Data Center, Rev 3.4 (with Cumulative Patch J0850482), 4.5 ⁵

Backup Server and SAN Client Platform ¹	Qualified Operating Systems	Backup Software Product
Intel: Windows 2000 ⁶	SP1, SP2, SP3 ⁷	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.1 Computer Associates BrightStor ARCserve 2000, SP4; 9.0 Computer Associates BrightStor Enterprise Backup 10.5 with SP3 and patch Q017382, SP4 HP OmniBack II 4.1, data protector 5.1 ¹ LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfixes LGTpa31689 and LGTpa31323, 6.1.1, 6.2, 7.0 Syncsort Backup Express Tivoli Storage Manager 4.2.1 VERITAS Backup Exec for Windows NT and Windows 2000, Revision 8.6 ³ ; 9.0 VERITAS NetBackup Data Center, Rev 3.4 (with Cumulative Patch J0850482), 4.5 ⁵
Intel: Windows 2003	Initial release	CommVault Galaxy 4.2 ^{12 13} Computer Associates BrightStor ARCserve Backup v9 ^{11 12 13} Computer Associates BrightStor Enterprise Backup 10.5 ^{11 12 13} HP OmniBack II 4.1, data protector 5.1 ¹ LEGATO NetWorker 7.0 ^{12 13} VERITAS Backup Exec 9.0 ^{12 13} VERITAS NetBackup 4.5 ^{12 13}
Hewlett Packard ⁸	HP-UX 11.0	BakBone NetVault 6.5.1 LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfix LGTpa31689, 6.1.1, 6.1.3 VERITAS NetBackup Data Center, Rev 3.4, with Cumulative Patch J0850482
IBM ⁹	AIX 4.3.3, 5.2	LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfix LGTpa31689, 6.1.1, 6.1.3, 7.0 VERITAS NetBackup Data Center, Rev 3.4, with Cumulative Patch J0850482 ¹⁰ Tivoli Storage Manager 4.2.1
Linux	Red Hat Linux 7.3, 8.0, 9.0 ¹⁴ , Advanced Server 2.1	LEGATO NetWorker 6.1.3, 7.0, 7.1
Linux	Red Hat Linux Advanced Server 2.1	VERITAS NetBackup Data Center 4.5

1. See CLARiiON Open Systems Support Matrix tables for supported servers.
2. For CLARiiON environments, see the table Tape to ESN Connectivity Information. This requirement does not apply to SBus systems using the Emulex LP9002S-F2 HBA.
3. Sharing a tape Library between Window NT4 and Windows 2000 platforms running Backup Exec 8.6 and NetWare systems running Backup Exec for NetWare 9.0 is not supported.
4. Customers must run the OmniBack II 4.1 Device Test Tool (DTT) as a check to determine whether or not their FC/SAN environment is supported by OmniBack II 4.1. This tool is available on the HP Web site.
5. Server Free backup is not supported.
6. Windows 2000 using Emulex HBAs use driver 2.11a2 instead of 2.13a4.
7. Exceptions include: BakBone NetVault, Syncsort Backup Express, and Tivoli Manager.
8. Supported only as backup client. Only V-Class, N-Class, and L-Class models supported.
9. Supported only as backup client. SP series systems are not supported.
10. A dedicated HBA running the IBM native driver is required for Tivoli to communicate with tape drives and tape library autochangers.
11. Supported only with QLogic StorPort drivers.
12. Supported only with the Dell PV-132T and PV-136T tape libraries and SDLT 320, LTO-1 and LTO-2 SCSI tape drives
13. Supported with QLogic and Emulex SCSIport drivers.
14. **Supported on NetWorker 7.1 only.**

SAN and LAN with Dedicated Tape Drives

LAN Backup Client Platform ¹	Qualified Operating Systems	Backup Software Product
All	Consult the Backup software supplier	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.2 Computer Associates BrightStor ARCserve 2000, SP4; 9.0 (including ARCserve 7, 9 for NetWare) Computer Associates BrightStor Enterprise Backup with SP3 and patch Q017382, SP4, SP5, 10.0, 10.5 LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfixes LGTpa31323 (Windows 2000 only) and LGTpa31689, 6.1.1, 6.2 Syncsort Backup Express Tivoli Storage Manager 4.2.1 VERITAS Backup Exec V8.6, 9.0 for Windows and V8.5, 9.0 for NetWare VERITAS NetBackup Data Center, Rev 3.4 (with Cumulative Patch J0850482), 4.5 ²

1. See CLARiiON Open Systems Support Matrix tables for supported servers.
2. Server Free backup is not supported.

SAN and Private LAN with Dedicated Tape Drives

For information about supported tape libraries, tape drives, and Fibre Channel-to-SCSI bridges, see the table Tape to ESN Connectivity Information.

Backup Server and SAN Client Platform ¹	Qualified Operating Systems	Backup Software Product
Sun Microsystems ²	Solaris 2.6, 8	BakBone NetVault 6.5.1 LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfix LGTpa31689, 6.1.1, 6.1.2, 6.1.3 Syncsort Backup Express VERITAS NetBackup Data Center, Rev 3.4, with Cumulative Patch J0850645
Sun Microsystems ²	Solaris 8	Computer Associates BrightStor Enterprise Backup v10.0 SP5 HotFix #1, HotFix #2 for SP5 HP OmniBack II 4.1, data protector 5.1 ¹ LEGATO NetWorker 7.0
Sun Microsystems ²	Solaris 9	HP OmniBack II 4.1, data protector 5.1 ¹ LEGATO NetWorker 6.1.2, 6.1.3, 7.0 VERITAS NetBackup Data Center 4.5
Intel: Novell	NetWare 5.10 SP4, SP5	BakBone NetVault 6.5.1 VERITAS Backup Exec for NetWare V8.5, 9.0 ³
Intel: Novell	NetWare 6.0 SP1, SP2, SP3	Computer Associates ARCserve 7, 9 for Novell NetWare VERITAS Backup Exec for NetWare V9.0 ²
Intel: Windows NT 4	SP6A	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.1 Computer Associates BrightStor ARCserve 2000, SP4; 9.0 Computer Associates BrightStor Enterprise Backup 10.5 with SP3 and patch Q017382, SP4 HP OmniBack II 4.1, data protector 5.1 ¹ LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfix LGTpa31689, 6.1.1, 6.2, 7.0 Syncsort Backup Express Tivoli Storage Manager 4.2.1 VERITAS Backup Exec for Windows NT and Windows 2000, Revision 8.6 ³ ; 9.0 VERITAS NetBackup Data Center, Rev 3.4 (with Cumulative Patch J0850482), 4.5 ⁵
Intel: Windows 2000 ⁶	SP1, SP2, SP3 ⁷	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.1 Computer Associates BrightStor ARCserve 2000, SP4; 9.0 Computer Associates BrightStor Enterprise Backup 10.5 with SP3 and patch Q017382, SP4 HP OmniBack II 4.1, data protector 5.1 ¹ LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfixes LGTpa31689 and LGTpa31323, 6.1.1, 6.2, 7.0 Syncsort Backup Express Tivoli Storage Manager 4.2.1 VERITAS Backup Exec for Windows NT and Windows 2000, Revision 8.6 ³ ; 9.0 VERITAS NetBackup Data Center, Rev 3.4 (with Cumulative Patch J0850482), 4.5 ⁵
Intel: Windows 2003	Initial release	CommVault Galaxy 4.2 ^{12 13} Computer Associates BrightStor ARCserve Backup v9 ^{11 12 13} Computer Associates BrightStor Enterprise Backup 10.5 ^{11 12 13} HP OmniBack II 4.1, data protector 5.1 ¹ LEGATO NetWorker 7.0 ^{12 13} VERITAS Backup Exec 9.0 ^{12 13} VERITAS NetBackup 4.5 ^{12 13}

Backup Server and SAN Client Platform ¹	Qualified Operating Systems	Backup Software Product
Hewlett Packard ⁸	HP-UX 11.0	BakBone NetVault 6.5.1 LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfix LGTpa31689, 6.1.1, 6.1.3 VERITAS NetBackup Data Center, Rev 3.4 with Cumulative Patch J0850482
IBM ⁹	AIX 4.3.3, 5.2	LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfix LGTpa31689, 6.1.1, 6.1.3, 7.0 VERITAS NetBackup Data Center, Rev 3.4, with Cumulative Patch J0850482 Tivoli Storage Manager 4.2.1
Linux	Red Hat Linux 7.3, 8.0, 9.0¹⁴ , Advanced Server 2.1	LEGATO NetWorker 6.1.3, 7.0, 7.1
Linux	Red Hat Linux Advanced Server 2.1	VERITAS NetBackup Data Center 4.5

1. See CLARiON Open Systems Support Matrix tables for supported servers.
2. For CLARiON environments, see the table Tape to ESN Connectivity Information. This requirement does not apply to SBus systems using the Emulex LP9002S-F2 HBA.
3. Sharing a tape Library between Window NT4 and Windows 2000 platforms running Backup Exec 8.6 and NetWare systems running Backup Exec for NetWare 9.0 is not supported.
4. Customers must run the OmniBack II 4.1 Device Test Tool (DTT) as a check to determine whether or not their FC/SAN environment is supported by OmniBack II 4.1. This tool is available on the HP Web site.
5. Server Free backup is not supported.
6. Windows 2000 using Emulex HBAs use driver 2.11a2 instead of 2.13a4.
7. Exceptions include: BakBone NetVault, Syncsort Backup Express, and Tivoli Manager.
8. Supported only as backup client. Only V-Class, N-Class, and L-Class models supported.
9. Supported only as backup client. SP series systems are not supported.
10. A dedicated HBA running the IBM native driver is required for Tivoli to communicate with tape drives and tape library autochangers.
11. Supported only with QLogic StorPort drivers.
12. Supported only with the Dell PV-132T and PV-136T tape libraries and SDLT 320, LTO-1 and LTO-2 SCSI tape drives
13. Supported with QLogic and Emulex SCSIport drivers.
14. **Supported on NetWorker 7.1 only.**

SAN and Private LAN with Dedicated Tape Drives

LAN Backup Client Platform ¹	Qualified Operating Systems	Backup Software Product
All	Consult the Backup software supplier	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.2 Computer Associates BrightStor ARCserve 2000, SP4; 9.0 (including ARCserve 7, 9 for NetWare) Computer Associates BrightStor Enterprise Backup with SP3 and patch Q017382, SP4, SP5, 10.0, 10.5 LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfixes LGTpa31323 (Windows 2000 only) and LGTpa31689, 6.1.1, 6.2 Syncsort Backup Express Tivoli Storage Manager 4.2.1 VERITAS Backup Exec V8.6, 9.0 for Windows and V8.5, 9.0 for NetWare VERITAS NetBackup Data Center, Rev 3.4 (with Cumulative Patch J0850482), 4.5 2

1. See CLARiON Open Systems Support Matrix tables for supported servers.
2. Server Free backup is not supported.

SAN with Shared Tape Drives

For information about supported tape libraries, tape drives, and Fibre Channel-to-SCSI bridges, see the table Tape to ESN Connectivity Information.

Backup Server/Client Platform ¹	Qualified Operating Systems	Backup Software Product
Sun Microsystems ²	Solaris 2.6, 8	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.2 Syncsort Backup Express VERITAS NetBackup Data Center, Rev 3.4, with Shared Storage Option (SSO), and Cumulative Patch J0850645
Sun Microsystems ²	Solaris 8	Computer Associates BrightStor Enterprise Backup v10.0 SP5 HotFix #1, HotFix #2 for SP5 HP OmniBack II 4.1, data protector 5.1¹ LEGATO NetWorker 7.0
Sun Microsystems ²	Solaris 9	HP OmniBack II 4.1, data protector 5.1¹ LEGATO NetWorker 6.1.2, 6.1.3, 7.0 VERITAS NetBackup Data Center 4.5
Intel: Novell	NetWare 5.10 SP4, SP5	BakBone NetVault 6.5.1 Computer Associates ARCserve 7, 9 for Novell NetWare with Storage Area Network option ³ VERITAS Backup Exec for NetWare V8.5, 9.0 with SAN Shared Storage Option
Intel: Novell	NetWare 6.0 SP1, SP2, SP3	Computer Associates ARCserve 7, 9 for Novell NetWare VERITAS Backup Exec for NetWare V9.0 ²
Intel: Windows NT 4	SP6A	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.1 Computer Associates BrightStor ARCserve 2000 with Storage Area Network option, SP4; 9.0 Computer Associates BrightStor Enterprise Backup 10.5 with SP3 and patch Q017382, SP4 HP OmniBack II 4.1, data protector 5.1¹ LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfix LGTpa31689, 6.1.1, 6.2, 7.0 Syncsort Backup Express Tivoli Storage Manager 4.2.1 VERITAS Backup Exec for Windows NT and Windows 2000, Revision 8.6 ⁵ ; 9.0, with SAN Shared Storage Option VERITAS NetBackup Data Center with Shared Storage Option (SSO), Rev 3.4 (with Cumulative Patch J0850482), 4.5 ⁶
Intel: Windows 2000 ⁷	SP1, SP2, SP3 ⁸	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.1 Computer Associates BrightStor ARCserve 2000 with Storage Area Network option, SP4; 9.0 Computer Associates BrightStor Enterprise Backup 10.5 with SP3 and patch Q017382, SP4 HP OmniBack II 4.1, data protector 5.1¹ LEGATO NetWorker 6.1 with hotfixes LGTpa31323 and LGTpa31689, 6.1.1, 6.2, 7.0 Syncsort Backup Express Tivoli Storage Manager 4.2.1 VERITAS Backup Exec for Windows NT and Windows 2000, Revision 8.6 ⁵ ; 9.0, with SAN Shared Storage Option VERITAS NetBackup Data Center with Shared Storage Option (SSO), Rev 3.4 (with Cumulative Patch J0850482), 4.5 ⁶
Intel: Windows 2003	Initial release	CommVault Galaxy 4.2 ^{13 14} Computer Associates BrightStor ARCserve Backup v9 ^{12 13 14} Computer Associates BrightStor Enterprise Backup 10.5 ^{12 13 14} HP OmniBack II 4.1, data protector 5.1¹ LEGATO NetWorker 7.0 ^{3 4 6} VERITAS Backup Exec 9.0 ^{13 14} VERITAS NetBackup 4.5 ^{13 14}
Hewlett Packard ⁹	HP-UX 11.0	BakBone NetVault 6.5.1 LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfix LGTpa31689, 6.1.1, 6.1.3 VERITAS NetBackup Data Center, Rev 3.4 with Shared Storage Option (SSO), and Cumulative Patch J0850482
IBM ¹⁰	AIX 4.3.3, 5.2	LEGATO NetWorker 6.0.2 with hotfix LGTpa30494, 6.1 with hotfix LGTpa31689, 6.1.1, 6.1.3, 7.0 VERITAS NetBackup Data Center, Rev 3.4 with Shared Storage Option (SSO), and Cumulative Patch J0850482 Tivoli Storage Manager 4.2.1 ¹¹
Linux	Red Hat Linux 7.3, 8.0, 9.0¹⁵ , Advanced Server 2.1	LEGATO NetWorker 6.1.3, 7.0, 7.1
Linux	Red Hat Linux Advanced Server 2.1	VERITAS NetBackup Data Center 4.5

1. See CLARiON Open Systems Support Matrix tables for supported servers.
2. For CLARiON environments, see the table Tape to ESN Connectivity Information. This requirement does not apply to SBus systems using the Emulex LP9002S-F2 HBA.

3. Supported in environment with Computer Associates BrightStor ARCserve 2000 sharing a SAN-connected library between the NetWare, Windows NT4 and Windows 2000 servers.
4. Customers must run the OmniBack II 4.1 Device Test Tool (DTT) as a check to determine whether or not their FC/SAN environment is supported by OmniBack II 4.1. This tool is available on the HP Web site.
5. Sharing a tape library between Window NT4 and Windows 2000 platforms running Backup Exec 8.6 and NetWare systems running Backup Exec for NetWare 9.0 is not supported.
6. Server Free backup is not supported.
7. Windows 2000 using Emulex HBAs use driver 2.11a2 instead of 2.13a4.
8. Exceptions include: BakBone NetVault, Syncsort Backup Express, and Trivoli Manager.
9. Supported only as backup client. Only V-Class, N-Class, and L-Class models supported.
10. Supported only as backup client. SP series systems are not supported.
11. A dedicated HBA running the IBM native driver is required for Tivoli to communicate with tape drives and tape library autochangers.
12. Supported only with QLogic StorPort drivers.
13. Supported only with the Dell PV-132T and PV-136T tape libraries and SDLT 320, LTO-1 and LTO-2 SCSI tape drives.
14. Supported with QLogic and Emulex SCSIport drivers.
15. **Supported on NetWorker 7.1 only.**

SAN and LAN with Shared Drives

For information about supported tape libraries, tape drives, and Fibre Channel-to-SCSI bridges, see the table Tape to ESN Connectivity Information.

Backup Server/Client Platform ¹	Qualified Operating Systems	Backup Software Product
Sun Microsystems ²	Solaris 2.6, 8	BakBone NetVault 6.5.1 LEGATO NetWorker 6.1 with hotfix LGTpa31689, 6.1.1, 6.1.2, 6.1.3 Syncsort Backup Express VERITAS NetBackup Data Center, Rev 3.4, with Shared Storage Option (SSO) with Cumulative Patch J0850645
Sun Microsystems ²	Solaris 8	Computer Associates BrightStor Enterprise Backup v10.0 SP5 HotFix #1, HotFix #2 for SP5 HP OmniBack II 4.1, data protector 5.1 LEGATO NetWorker 7.0
Sun Microsystems ²	Solaris 9	HP OmniBack II 4.1, data protector 5.1 LEGATO NetWorker 6.1.2, 6.1.3, 7.0 VERITAS NetBackup Data Center 4.5
Intel: Novell	NetWare 5.10 SP4, SP5	BakBone NetVault 6.5.1 Computer Associates ARCserve 7, 9 for Novell NetWare with Storage Area Network option ³ VERITAS Backup Exec for NetWare V8.5, 9.0 with SAN Shared Storage Option
Intel: Novell	NetWare 6.0 SP1, SP2, SP3	Computer Associates ARCserve 7, 9 for Novell NetWare VERITAS Backup Exec for NetWare V9.0 ⁷
Intel: Windows NT 4	SP6A	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.1 Computer Associates BrightStor ARCserve 2000 with Storage Area Network option, SP4; 9.0 Computer Associates BrightStor Enterprise Backup 10.5 with SP3 and patch Q017382, SP4 HP OmniBack II 4.1, data protector 5.1 LEGATO NetWorker 6.1 with hotfix LGTpa31689, 6.1.1, 6.2, 7.0 Syncsort Backup Express Tivoli Storage Manager 4.2.1 VERITAS Backup Exec for Windows NT and Windows 2000, Revision 8.6 ⁵ ; 9.0, with SAN Shared Storage Option VERITAS NetBackup Data Center with Shared Storage Option (SSO), Rev 3.4 (with Cumulative Patch J0850482), 4.5
Intel: Windows 2000 ⁷	SP1, SP2, SP3 ⁸	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.1 Computer Associates BrightStor ARCserve 2000 with Storage Area Network option, SP4; 9.0 Computer Associates BrightStor Enterprise Backup 10.5 with SP3 and patch Q017382, SP4 HP OmniBack II 4.1, data protector 5.1 LEGATO NetWorker 6.1 with hotfixes LGTpa31323 and LGTpa31689, 6.1.1, 6.2, 7.0 Syncsort Backup Express Tivoli Storage Manager 4.2.1 VERITAS Backup Exec for Windows NT and Windows 2000, Revision 8.6 ⁵ ; 9.0, with SAN Shared Storage Option VERITAS NetBackup Data Center with Shared Storage Option (SSO), Rev 3.4 (with Cumulative Patch J0850482), 4.5
Intel: Windows 2003	Initial release	CommVault Galaxy 4.2 ^{13 14} Computer Associates BrightStor ARCserve Backup v9 ^{12 13 14} Computer Associates BrightStor Enterprise Backup 10.5 ^{12 13 14} HP OmniBack II 4.1, data protector 5.1 LEGATO NetWorker 7.0 ^{3 4} VERITAS Backup Exec 9.0 ^{13 14} VERITAS NetBackup 4.5 ^{13 14}
Hewlett Packard ⁹	HP-UX 11.0	BakBone NetVault 6.5.1 LEGATO NetWorker 6.1 with hotfix LGTpa31689, 6.1.1, 6.1.3 VERITAS NetBackup Data Center, Rev 3.4 with Shared Storage Option (SSO), and Cumulative Patch J0850482
IBM ¹⁰	AIX 4.3.3, 5.2	LEGATO NetWorker 6.1 with hotfix LGTpa31689, 6.1.1, 6.1.3, 7.0 VERITAS NetBackup Data Center, Rev 3.4 with Shared Storage Option (SSO), and Cumulative Patch J0850482 Tivoli Storage Manager 4.2.1 ¹¹
Linux	Red Hat Linux 7.3, 8.0, 9.0 ¹⁵ , Advanced Server 2.1	LEGATO NetWorker 6.1.3, 7.0, 7.1
Linux	Red Hat Linux Advanced Server 2.1	VERITAS NetBackup Data Center 4.5

1. See CLARiiON Open Systems Support Matrix tables for supported servers.
2. For CLARiiON environments, see the table Tape to ESN Connectivity Information. This requirement does not apply to SBus systems using the Emulex LP9002S-F2 HBA.
3. Supported in environment with Computer Associates BrightStor ARCserve 2000 sharing a SAN-connected library between the NetWare, Windows NT4 and Windows 2000 servers.
4. Customers must run the OmniBack II 4.1 Device Test Tool (DTT) as a check to determine whether or not their FC/SAN environment is supported by OmniBack II 4.1. This tool is available on the HP Web site.
5. Sharing a tape library between Window NT4 and Windows 2000 platforms running Backup Exec 8.6 and NetWare systems running Backup Exec for NetWare 9.0 is not supported.
6. Server Free backup is not supported.
7. Windows 2000 using Emulex HBAs use driver 2.11a2 instead of 2.13a4.
8. Exceptions include: BakBone NetVault, Syncsort Backup Express, and Trivoli Manager.
9. Supported only as backup client. Only V-Class, N-Class, and L-Class models supported.
10. Supported only as backup client. SP series systems are not supported.
11. A dedicated HBA running the IBM native driver is required for Tivoli to communicate with tape drives and tape library autochangers.
12. Supported only with QLogic StorPort drivers.
13. Supported only with the Dell PV-132T and PV-136T tape libraries and SDLT 320, LTO-1 and LTO-2 SCSI tape drives.
14. Supported with QLogic and Emulex SCSIport drivers.
15. **Supported on NetWorker 7.1 only.**

SAN and LAN with Shared Drive

LAN Backup Client Platform ¹	Qualified Operating Systems	Backup Software Product
All	Consult the Backup software supplier	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.2 Computer Associates BrightStor ARCserve 2000, SP4; 9.0 (including ARCserve 7, 9 for NetWare) Computer Associates BrightStor Enterprise Backup with SP3 and patch Q017382, SP4, SP5, 10.0, 10.5 LEGATO NetWorker 6.1 with hotfixes LGTpa31323 (Windows 2000 only) and LGTpa31689, 6.1.1, 6.2 Syncsort Backup Express Tivoli Storage Manager 4.2.1 VERITAS Backup Exec V8.6 ⁵ , 9.0 for Windows and V8.5, 9.0 for NetWare VERITAS NetBackup Data Center, Rev 3.4 (with Cumulative Patch J0850482), 4.5 ²

1. See CLARiiON Open Systems Support Matrix tables for supported servers.
2. Server Free backup is not supported.

SAN and Private LAN with Shared Tape Drives

For information about supported tape libraries, tape drives, and Fibre Channel-to-SCSI bridges, see the table Tape to ESN Connectivity Information.

Backup Server and SAN Client Platform ¹	Qualified Operating Systems	Backup Software Product
Sun Microsystems ²	Solaris 2.6, 8	BakBone NetVault 6.5.1 LEGATO NetWorker 6.1 LGTpa31689, 6.1.1, 6.1.2, 6.1.3 Syncsort Backup Express VERITAS NetBackup Data Center, Rev 3.4, with Shared Storage Option (SSO) with Cumulative Patch J0850645
Sun Microsystems ²	Solaris 8	Computer Associates BrightStor Enterprise Backup v10.0 SP5 HotFix #1, HotFix #2 for SP5 HP OmniBack II 4.1, data protector 5.1 LEGATO NetWorker 7.0
Sun Microsystems ²	Solaris 9	HP OmniBack II 4.1, data protector 5.1 ⁴ LEGATO NetWorker 6.1.2, 6.1.3, 7.0 VERITAS NetBackup Data Center 4.5
Intel: Novell	NetWare 5.10 SP4, SP5	BakBone NetVault 6.5.1 Computer Associates ARCserve 7, 9 for Novell NetWare with Storage Area Network option ³ VERITAS Backup Exec for NetWare V8.5, 9.0 ⁵ with SAN Shared Storage Option
Intel: Novell	NetWare 6.0 SP1, SP2, SP3	Computer Associates ARCserve 7, 9 for Novell NetWare VERITAS Backup Exec for NetWare V9.0
Intel: Windows NT 4	SP6A	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.1 Computer Associates BrightStor ARCserve 2000 with Storage Area Network option, SP4; 9.0 Computer Associates BrightStor Enterprise Backup 10.5 with SP3 and patch Q017382, SP4 HP OmniBack II 4.1, data protector 5.1 ⁴ LEGATO NetWorker 6.1 LGTpa31689, 6.1.1, 6.2, 7.0 Syncsort Backup Express Tivoli Storage Manager 4.2.1 VERITAS Backup Exec for Windows NT and Windows 2000, Revision 8.6 ⁵ ; 9.0, with SAN Shared Storage Option VERITAS NetBackup Data Center with Shared Storage Option (SSO), Rev 3.4 (with Cumulative Patch J0850482), 4.5
Intel: Windows 2000 ⁷	SP1, SP2, SP3 ⁸	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.1 Computer Associates BrightStor ARCserve 2000 with Storage Area Network option, SP4; 9.0 Computer Associates BrightStor Enterprise Backup 10.5 with SP3 and patch Q017382, SP4 HP OmniBack II 4.1, data protector 5.1 ⁴ LEGATO NetWorker 6.1 with hotfixes LGTpa31323 and LGTpa31689, 6.1.1, 6.2, 7.0 Syncsort Backup Express Tivoli Storage Manager 4.2.1 VERITAS Backup Exec for Windows NT and Windows 2000, Revision 8.6 ⁵ ; 9.0, with SAN Shared Storage Option VERITAS NetBackup Data Center with Shared Storage Option (SSO), Rev 3.4 (with Cumulative Patch J0850482), 4.5
Intel: Windows 2003	Initial release	CommVault Galaxy 4.2 ^{13 14} Computer Associates BrightStor ARCserve Backup v9 ^{12 13 14} Computer Associates BrightStor Enterprise Backup 10.5 ^{12 13 14} HP OmniBack II 4.1, data protector 5.1 ⁴ LEGATO NetWorker 7.0 ^{13 14} VERITAS Backup Exec 9.0 ^{13 14} VERITAS NetBackup 4.5 ^{13 14}
Hewlett Packard ⁹	HP-UX 11.0	BakBone NetVault 6.5.1 LEGATO NetWorker 6.1 LGTpa31689, 6.1.1, 6.1.3 VERITAS NetBackup Data Center, Rev 3.4 with Shared Storage Option (SSO), and Cumulative Patch J0850482
IBM ¹⁰	AIX 4.3.3, 5.2	LEGATO NetWorker 6.1 LGTpa31689, 6.1.1, 6.1.3, 7.0 VERITAS NetBackup Data Center, Rev 3.4 with Shared Storage Option (SSO), and Cumulative Patch J0850482 Tivoli Storage Manager 4.2.1 ¹¹
Linux	Red Hat Linux 7.3, 8.0, 9.0 ¹⁵ , Advanced Server 2.1	LEGATO NetWorker 6.1.3, 7.0, 7.1
Linux	Red Hat Linux Advanced Server 2.1	VERITAS NetBackup Data Center 4.5

1. See CLARiiON Open Systems Support Matrix tables for supported servers.
2. For CLARiiON environments, see the table Tape to ESN Connectivity Information. This requirement does not apply to SBus systems using the Emulex LP9002S-F2 HBA.
3. Supported in environment with Computer Associates BrightStor ARCserve 2000 sharing a SAN-connected library between the NetWare, Windows NT4 and Windows 2000 servers.
4. Customers must run the OmniBack II 4.1 Device Test Tool (DTT) as a check to determine whether or not their FC/SAN environment is supported by OmniBack II 4.1. This tool is available on the HP Web site.
5. Sharing a tape library between Window NT4 and Windows 2000 platforms running Backup Exec 8.6 and NetWare systems running Backup Exec for NetWare 9.0 is not supported.
6. Server Free backup is not supported.
7. Windows 2000 using Emulex HBAs use driver 2.11a2 instead of 2.13a4.
8. Exceptions include: BakBone NetVault, Syncsort Backup Express, and Tivoli Manager.
9. Supported only as backup client. Only V-Class, N-Class, and L-Class models supported.
10. Dupported only as backup client. SP series systems are not supported.
11. A dedicated HBA running the IBM native driver is required for Tivoli to communicate with tape drives and tape library autochangers.
12. Supported only with QLogic StorPort drivers.
13. Supported only with the Dell PV-132T and PV-136T tape libraries and SDLT 320, LTO-1 and LTO-2 SCSI tape drives.
14. Supported with QLogic and Emulex SCSIport drivers.
15. Supported on NetWorker 7.1 only.

SAN and Private LAN with Shared Tape Drives

LAN Backup Client Platform ¹	Qualified Operating Systems	Backup Software Product
All	Consult the Backup software supplier	BakBone NetVault 6.5.1 CommVault Galaxy 3.1 GSP1, 3.7.1, 4.2 Computer Associates BrightStor ARCserve 2000, SP4; 9.0 (including ARCserve 7, 9 for NetWare) Computer Associates BrightStor Enterprise Backup with SP3 and patch Q017382, SP4, SP5, 10.0, 10.5 LEGATO NetWorker 6.1 with hotfixes LGTpa31323 (Windows 2000 only) and LGTpa31689, 6.1.1, 6.2 Syncsort Backup Express Tivoli Storage Manager 4.2.1 VERITAS Backup Exec V8.6, 9.0 for Windows and V8.5, 9.0 for NetWare VERITAS NetBackup Data Center, Rev 3.4 (with Cumulative Patch J0850482), 4.5 ²

1. See CLARiiON Open Systems Support Matrix tables supported servers.
2. Server Free backup is not supported.

VERITAS Support Matrix

EMC has qualified the following VERITAS-related products, as specified in the following tables. Click here for more information.

- ▶ **Integrated Products**
 - EMC Foundation Suite by VERITAS
 - EMC Database Edition for Oracle by VERITAS
 - EMC GeoSpan™ for VERITAS Cluster Server
- ▶ **VERITAS Volume Manager (VxVM)**
- ▶ **VERITAS File System (VxFS)**
- ▶ **VERITAS Cluster Server (VCS)**

Integrated Products

Product Name	Included Product	Supported OS	Supported Products	Status/Release Planned	DMP	PowerPath	Storage Model(s)	Minimum Microcode	Required Microcode for Full Features	Highest Microcode Qualified	Supported SymAPI	Comments	Max Hosts
EMC Foundation Suite by VERITAS													
EMC Foundation Suite by VERITAS Version 2.2 on Solaris	VxVM 3.1.1, VxFS 3.4, VxTF 2.2, VMSA 3.1.1	Solaris 2.6, 7, 8	N/A	GA	Y	2.0.2 and higher	Symmetrix 3000/5000 series*, 8000 series	5x65	5x66	5x67	4.2	Device suppression is not supported. VxTF can't be used with Informix database.	N/A
EMC Foundation Suite by VERITAS Version 3.0 on Solaris	VxVM 3.1.1P2, VxFS 3.4P1, VxTF 3.0, VMSA 3.1.1, VxTFag 3.0	Solaris 2.6, 7, 8	VCS 1.3 VCS 2.0	GA	Y	2.1 and higher	Symmetrix 3000/5000 series*, 8000 series	5x65	5x66	5x67	4.3.1 to 4.3.X	Supports VxTF in a VCS environment. Includes 3 VCS Agents: Device Group Agent (VxSymDevGrp), Log Agent (VxSymLog), Recovery Agent (VxSymRecover)	N/A
EMC Foundation Suite by VERITAS Version 4.0 on Solaris	VxVM 3.5, VxFS 3.5, VxTF 4.0, VEA 3.5, VxTFag 4.0	Solaris 8	VCS 3.5	GA	Y	3.02	Symmetrix 3000/5000 series, 8000 series, DMX series	5x67	5x67, 5x68, 5669	5568, 5669	5.1	Supports VxTF in a VCS environment. Includes 3 VCS Agents: Device Group Agent (VxSymDevGrp), Log Agent (VxSymLog), Recovery Agent (VxSymRecover)	N/A
EMC Database Edition for Oracle: by VERITAS													
EMC Database Edition for Oracle by VERITAS Version 2.2 on Solaris	VxVM 3.1.1, VxFS 3.4, VxTF 2.2, Database Edition/Advanced Cluster (DBED/AC) 2.2, VMSA 3.1.1	Solaris 2.6, 7, 8	N/A	GA	Y	2.0.2 and higher	Symmetrix 3000/5000 series*, 8000 series	5x65	5x66	5x67	4.2	Device suppression is not supported. VxTF can't be used with Informix database.	N/A
EMC Database Edition for Oracle by VERITAS Version 3.0 on Solaris	VxVM 3.1.1P2, VxFS 3.4P1, VxTF 3.0, Database Edition/Advanced Cluster (DBED/AC) 2.2, VMSA 3.1.1, 3.0	Solaris 2.6, 7, 8	VCS 1.3 VCS 2.0	GA	Y	2.1 and higher	Symmetrix 3000/5000 series*, 8000 series	5x65	5x66	5x67	4.3.1 to 4.3.X	Supports VxTF in a VCS environment. Includes 3 VCS Agents: Device Group Agent (VxSymDevGrp), Log Agent (VxSymLog), Recovery Agent (VxSymRecover)	N/A
EMC Database Edition for Oracle by VERITAS Version 4.0 on Solaris	VxVM 3.5, VxFS 3.5, VxTF 4.0, VEA 3.5, VxTFag 4.0	Solaris 8	VCS 3.5	GA	Y	3.02	Symmetrix 3000/5000 series, 8000 series, DMX series	5x67	5x67, 5x68, 5669	5568, 5669	5.1	Supports VxTF in a VCS environment. Includes 3 VCS Agents: Device Group Agent (VxSymDevGrp), Log Agent (VxSymLog), Recovery Agent (VxSymRecover)	N/A

Product Name	Included Product	Supported OS	Supported Products	Status/Release Planned	DMP	PowerPath	Storage Model(s)	Minimum Microcode	Required Microcode for Full Features	Highest Microcode Qualified	Supported SymAPI	Comments	Max Hosts
--------------	------------------	--------------	--------------------	------------------------	-----	-----------	------------------	-------------------	--------------------------------------	-----------------------------	------------------	----------	-----------

EMC GeoSpan for VERITAS Cluster Server: Refer to the Symmetrix Geographically Dispersed Cluster Table

- 1.VxTF is not supported in clustered environments.
- 2.Except Symmetrix 3700/5700.
- 3.Supported only with WideSky 5.1.
- 4.C-bit must be enabled for VxVM.
- 5.Requires Sun recommended patch cluster with minimum kernel patch 108528_20.
- 6.Refer to EFS/EDE 4.0 Release Notes for complete patch requirements.
- 7.If running VERITAS version of VxVM/VxFS, VERITAS FS3.5 FP1 is required.

VERITAS Volume Manager (VxVM)¹

Product Name	Included Product	Supported OS	Status/Release Planned	DMP	PowerPath	Model	Minimum Microcode	Highest Microcode Qualified	Comments
Sun Solaris									
VxVM 3.0 ^q SUNW only release	VMSA 3.0	Solaris 2.6, 7	Qualified	Y ³	1.3 (pseudo) 1.5	Symmetrix 3000/5000 series	5x65	5x65	Released only by SUN.
VxVM ₂ 3.0.1n	VMSA 3.0	Solaris 2.6, 7	Qualified	Y ³	1.3 (pseudo) 1.5	Symmetrix 3000/5000 series	5x65	5x65	
VxVM ₂ 3.0.2c	VMSA 3.0.3	Solaris 2.6, 7	Qualified	Y ³	1.5	Symmetrix 3000/5000 series	5x65	5x65	
VxVM 3.0.3 ^r	VMSA 3.0.3	Solaris 2.6, 7, 8	Not Qualified	Y ³	N/A	Symmetrix N/A	5x65	N/A	This version is actually 3.0.2 with Solaris 8. No bug fixes or new features included.
VxVM 3.0.4 ^r	VMSA 3.0.6	Solaris 2.6, 7, 8	Qualified	Y ³ 4	1.5.0.3 or higher	Symmetrix 3000/5000 series, 8000 series	5x65 ⁵	5x68	
VxVM 3.1 ²	VMSA 3.1K-2	Solaris 2.6, 7, 8	Qualified	Y ³	1.5.0.3 or higher	Symmetrix 3000/5000 series, 8000 series	5x65 ⁵	5x68	
VxVM 3.1.1 ^r	VMSA 3.1.1	Solaris 2.6, 7, 8	Qualified	Y ³	2.0.2 and higher	Symmetrix 3000/5000 series ^{2g} , 8000 series	5x65	5x68	Device suppression is not supported.
VxVM 3.1.1	VMSA 3.1.1	Solaris 2.6, 7, 8	Qualified	N	3.0.1 ⁶ or higher	CLARiiON FC4500, FC4700, FC5300	6.32.14, 5.32.14 8.43.53 5.24.05	6.32.14, 5.32.14 8.43.53 5.24.05	ATF 3.4.0 DMP must be disabled with ATF. VxVM volumes become inaccessible if a system is booted with a failed path. Install latest VERITAS patches.
VxVM 3.2	VMSA 3.2	Solaris 2.6, 7, 8, 9	Qualified	Y ³	2.0.3 or higher	Symmetrix 3000/5000 series ^{2g} , 8000 series, DMX series	5x65	5x69, 5670	Device suppression is not supported.
VxVM 3.2	VMSA 3.2 ^r	Solaris 2.6, 7, 8, 9	Qualified	Y ³	3.0.1 ⁶ or higher	CLARiiON FC4500, FC4700, FC5300, CX600, CX400	6.32.14, 5.32.14 8.46.x6 5.24.05 02.02.x.60.5.xxx 02.02.x.40.5.xxx	6.32.14, 5.32.14 8.46.x6 5.24.05 02.02.x.60.5.xxx 02.02.x.40.5.xxx	ATF 3.4.0 Install latest VERITAS patches. PowerPath, ATF and CLR-ASL are mutually exclusive. PowerPath and CLR-ASL are qualified on FC4700 and CX600, CX400 only.
VxVM 3.5 MP2	VEA 3.5	Solaris 2.6, 7, 8, 9	Qualified	Y ³	3.0.1 ⁹ or higher	Symmetrix 3000/5000 series ^{2g} , 8000 series, DMX series	5x65	5x69, 5670	Device suppression is not supported.
VxVM 3.5 MP2	VEA 3.5 ^r	Solaris 2.6, 7, 8, 9	Qualified	Y ³	3.0.1 ⁹ or higher	CLARiiON FC4500, FC4700, FC5300, CX600, CX400	6.32.14, 5.32.14 8.46.x6 5.24.05 02.02.x.60.5.xxx 02.02.x.40.5.xxx	6.32.16, 5.32.16 8.47.xx 5.24.07 02.02.x.60.5.xxx 02.02.x.40.5.xxx	ATF 3.4.0 Install latest VERITAS patches. PowerPath, ATF, and CLR-ASL are mutually exclusive. PowerPath and CLR-ASL are qualified on FC4700 and CX600, CX400 only.
HP-UX									
VxVM 3.0	VMSA 3.0	HP-UX 11.0	Not qualified	Y	N/A	N/A	N/A	N/A	Not supported.
VxVM 3.1	VMSA 3.1	HP-UX 11.0	Not qualified	Y	N/A	N/A	N/A	N/A	Not supported.
VxVM 3.1	VMSA 3.1	HP-UX 11i v1.0 (HP-UX 11.11)	Qualified	Y	2.1, 2.1.2, 2.1.3, 3.0, 3.0.1	Symmetrix 3000/5000 series ^{2g} , 8000 series	5x66, 5x67	N/A	Support limited to 4K Symmetrix devices.
VxVM 3.1	VMSA 3.1	HP-UX 11i v1.0 (HP-UX 11.11)	Qualified	N	3.0.2, 3.0.3	CLARiiON FC4700, CX400, CX600	8.46 xx 02.02.x.60.5.xx 02.02.x.40.5.xx	8.47 xx 02.02.x.60.5.xx 02.02.x.40.5.xx	No DMP failover.
VxVM 3.2	VMSA 3.2	HP-UX 11i v1.0 (HP-UX 11.11)	Qualified	Y	2.1.2, 2.1.3, 3.0, 3.0.1	Symmetrix 3000/5000 series ^{2g} , 8000 series	5x67, 5x68	N/A	Support limited to 4K Symmetrix devices.
VxVM 3.2	VMSA 3.2	HP-UX 11i v1.0 (HP-UX 11.11)	Qualified	Y	3.0.1	Symmetrix DMX series	5669	N/A	
VxVM 3.2	VMSA 3.2	HP-UX 11i v1.0 (HP-UX 11.11)	Qualified	N	3.0.2, 3.0.3	CLARiiON FC4700, CX400, CX600	8.46 xx 02.02.x.60.5.xx 02.02.x.40.5.xx	8.47 xx 02.02.x.60.5.xx 02.02.x.40.5.xx	No DMP failover.
VxVM 3.5	VEA 3.5	HP-UX 11i v1.0 (HP-UX 11.11)	Qualified	Y	3.0.1	Symmetrix 3000/5000 series ^{2g} , 8000 series	5x67, 5x68	N/A	External boot supported. MC/Service Guard 11.13 and 11.14 supported.
VxVM 3.5	VEA 3.5	HP-UX 11i v1.0 (HP-UX 11.11)	Qualified	Y	N/A	Symmetrix DMX series	5669, 5670	N/A	External boot supported. MC/Service Guard 11.13 and 11.14 supported.
VxVM 3.5	VEA 3.5	HP-UX 11i v1.0 (HP-UX 11.11)	Qualified	N	N/A	CLARiiON FC4700, CX600, CX400	8.46 xx 02.02.x.60.5.xx 02.02.x.40.5.xx	8.47 xx 02.02.x.60.5.xx 02.02.x.40.5.xx	No DMP failover.
Windows NT									
VxVM 2.7		NT 4.0 SP6A	Qualified	Y ¹⁰	2.1.1, 3.0, 3.0.1	Symmetrix 8000 series, DMX series	5x67, 5x68, 5669	N/A	
Windows 2000									
VxVM 2.5 ²		Windows 2000 Server SP1, SP2, SP3, SP4 Advanced Server SP1, SP2, SP3, SP4 Datacenter SP1, SP2, SP3, SP4	Qualified	N	2.0.3	Symmetrix 8000 series	5x65, 5x66	5x67	

Product Name	Included Product	Supported OS	Status/Release Planned	DMP	PowerPath	Model	Minimum Microcode	Highest Microcode Qualified	Comments
VxVM 2.7		Windows 2000 Server SP1, SP2, SP3, SP4 Advanced Server SP1, SP2, SP3, SP4 Datacenter SP1, SP2, SP3, SP4	Qualified	Y ¹⁰	2.1 ¹⁰	Symmetrix 8000 series	5x65, 5x66	5568	
VxVM 3.0		Windows 2000 Server SP1, SP2, SP3, SP4 Advanced Server SP1, SP2, SP3, SP4 Datacenter SP1, SP2, SP3, SP4	Qualified	Y ¹⁰	2.1 ^{10 16} 3.0 ^{10 16} 3.0.2 ^{10 16} 3.0.5 ^{10 16}	Symmetrix 8000 series, DMX series	5x67, 5x68, 5669	N/A	EMC GeoSpan 1.2.1 for MSCS is supported.
VxVM 3.1		Windows 2000 Server SP1, SP2, SP3, SP4 Advanced Server SP1, SP2, SP3, SP4 Datacenter SP1, SP2, SP3, SP4	Qualified	Y ¹⁰ _{11 13}	3.0 ^{10 16} 3.0.2 ^{10 16} 3.0.5 ^{10 16}	Symmetrix 8000 series, DMX series	5x67, 5x68, 5669	N/A	EMC GeoSpan 1.2.1 for MSCS is supported.
VxVM 3.0 ¹⁵		Windows 2000 Server SP1, SP2, SP3, SP4 Advanced Server SP1, SP2, SP3, SP4 Datacenter SP1, SP2, SP3, SP4	Qualified	N ¹⁰	3.0 ^{10 16} 3.0.2 ^{10 16} 3.0.5 ^{10 16}	CLARiiON FC4700 ¹⁹ , CX600 ¹⁹ , CX400 ¹⁹ , CX200	8.45.x 02.02.x.60.5.xxx 02.02.x.40.5.xxx 02.03.x.20.5.xxx	8.47.xx 02.02.x.60.5.xxx 02.02.x.40.5.xxx 02.03.x.20.5.xxx	These servers are <i>not</i> supported: Bull Express 5800: 320La, 320La-R, 330Ma-R, 330Mb-R, 340Ha-R; NEC 5800: 320La, 320La-R, 330Ma-R, 330Mb-R, 340Ha-R; Stratus ftServer: 3210, 3220, 3300, 5200, 5240, 6500.
VxVM 3.1 ³⁴		Windows 2000 Server SP1, SP2, SP3, SP4 Advanced Server SP1, SP2, SP3, SP4 Datacenter SP1, SP2, SP3, SP4	Qualified	Y ³⁵	3.0 ^{10 16} 3.0.2 ^{10 16} 3.0.5 ^{10 16}	CLARiiON FC4700 ¹⁹ , CX600 ¹⁹ , CX400 ¹⁹ , CX200	8.45.x 02.02.x.60.5.xxx 02.02.x.40.5.xxx 02.03.x.20.5.xxx	8.47.xx 02.02.x.60.5.xxx 02.02.x.40.5.xxx 02.03.x.20.5.xxx	These servers are <i>not</i> supported: Bull Express 5800: 320La, 320La-R, 330Ma-R, 330Mb-R, 340Ha-R; NEC 5800: 320La, 320La-R, 330Ma-R, 330Mb-R, 340Ha-R; Stratus ftServer: 3210, 3220, 3300, 5200, 5240, 6500.

Linux

VxVM 3.2 ^{15 20 26}		Red Hat v2.1 Advanced Server v2.4.9-E.3	Qualified	Y ¹¹ ₂₂	N/A	Symmetrix 8000 series ^{11 21} DMX series	5x68	5568, 5569	
VxVM 3.2 ²⁵		Red Hat v2.1 Advanced Server upgraded to v2.4.9-E.12	Qualified	Y ¹¹	3.02b0069	Symmetrix 8000 series ^{11 21} DMX series	5x68	5568, 5569	
VxVM 3.2 ^{15 20 26 27}		Red Hat v2.1 Advanced Server v2.4.9-E.3	Qualified	Y ²² ₂₃	N/A	CLARiiON FC4700 ¹⁹ , CX600 ¹⁹ , CX400 ¹⁹ , CX200	8.45.x 02.02.x.60.5.xxx 02.02.x.40.5.xxx 02.03.x.20.5.xxx	8.47.xx 02.02.x.60.5.xxx 02.02.x.40.5.xxx 02.03.x.20.5.xxx	
VxVM 3.2 ^{27 28}		Red Hat v2.1 Advanced Server upgraded to v2.4.9-E.12	Qualified	Y ²² ₂₃	N/A	CLARiiON FC4700 ¹⁹ , CX600 ¹⁹ , CX400 ¹⁹ , CX200	8.45.x 02.02.x.60.5.xxx 02.02.x.40.5.xxx 02.03.x.20.5.xxx	8.47.xx 02.02.x.60.5.xxx 02.02.x.40.5.xxx 02.03.x.20.5.xxx	

AIX

VxVM 3.2.0.0 ²⁴		AIX 5.1 ^{25 31 32} , 5.2 ^{24 25 31 32}	Qualified	Y ¹¹	N/A	Symmetrix 8000 series, DMX series	5x67.46, 5x68.52, 5669, 5670		
VxVM 3.2.2.0		AIX 5.1 ^{25 31 32} , 5.2 ^{25 31 32}	Qualified	Y ¹⁰ ₁₁	3.0.4 ^{30 33}	Symmetrix 8000 series, DMX series	5x68.52, 5669, 5670		
VxVM 3.2.2.0		AIX 5.1 ^{25 31 32} , 5.2 ^{25 31 32}	Qualified	Y ¹⁰	3.0.4 ^{30 33}	CLARiiON CX600, CX400 ⁸	02.04.x.60.5.xxx 02.04.x.40.5.xxx		

- Manual manipulation of Veritas disk group IDs is required to mount BCVs.
 - When working with DMP and PowerPath the following should be done:
 - When working with Native device names (c##d##) DMP should be enabled.
 - When working with pseudo (emcpower) device names, DMP can be disabled.
 - When working with Sun Cluster / DR DMP must be disabled.
 - DMP may not be disabled with VxVM 3.1.1 and higher. When VxVM 3.1.1 and higher is installed, DMP will be automatically re-enabled.
 - There is a new DMP driver that should be installed after the VxVM install. This driver (needs Microcode patch 9321 available for Microcode 5265-47 and up), solves the problem that DMP hangs if the device is in NR state.
 - If DMP is enabled, minimum microcode is 5568.45.17.
 - FC4700, CX600, CX400 only.
 - When neither ATF or PowerPath are present, VERITAS DMP as part of Volume Manager 3.2 can be used to manage CLARiiON arrays only if the CLR-ASL is installed.
 - CLARiiON attach requires PowerPath 3.0.4 or higher.
 - Native names only.
 - VxVM DMP support is not compatible with PowerPath. PowerPath overrides DMP functionality.
 - DMP functionality requires setting the C-bit on the Symmetrix directors.
 - Detailed information:
- | Application Build | HBA | MSCS Support | Notes |
|-------------------|---------------|--------------|---|
| 5.25.66 | Emulex LP8000 | Yes | Requires Driver 2.11a2 |
| 5.25.78 | Emulex LP8000 | Yes | MSCS w/VxVM 2.5 Dynamic Link support. HBA requires Driver 2.11a2, 5567.23.12s microcode |
| 5.25.78 | QLogic 2200 | | |
- Hot relocation must be disabled.
 - VxVM 3.0 with Symmetrix or CLARiiON requires VxVM 3.0 SP1 with Hot Fixes 03 **and** 04.
 - VxVM 3.0 with PowerPath requires minimum PowerPath 3.0.
 - Admsnap does not support the option of specifying the VxVM objects for start and stop operations. The Admsnap script must specify the LUNs that make up the volume using individual Admsnap commands.
 - VxVM Service Pack 1 required for use with EMC PowerPath. Contact Customer Service for information on registry changes necessary for PowerPath/VxVM 3.0 compatibility.
 - Dynamic disks are not supported as Quorum disks with GeoSpan clusters (Quorum disk must be a basic disk).
 - DMP not supported.
 - VxVM is not supported on CLARiiON with servers booting from the array.
 - Requires Update 2.
 - VxVM is not supported on Symmetrix with servers booting from the array.
 - VxVM DMP and PowerPath may not be used on the same host.
 - The Admsnap utility is not supported in a Linux DMP environment.
 - AIX 5.2 requires VxVM 3.2.2.0 patch for AIX.
 - 32 bit or 64 bit.
 - The package patch-2.5.4-10.i386.rpm is required and is available on Red Hat 2.1 Advanced Server CD #2.
 - Refer to Veritas technote #255172 for the required CLARiiON ASL installation to enable DMP support on the CLARiiON.
 - Refer to Veritas technote #243712 for instructions on the Foundation Suite installation.
 - Except Symmetrix 3700/5700.
 - PowerPath requires the powervxvm script, which can be obtained from the EMC Powerlink website.
 - Veritas Disk Groups cannot be shared across more than one AIX node when using hdiskspace devices.
 - In a shared disk environment, VxVM cannot configure hdiskspace devices to more than one AIX node simultaneously.
 - Requires VxVM 3.2.2.0 patch for AIX.
 - VxVM 3.1 with Symmetrix or CLARiiON requires VxVM 3.1 SP1.**
 - Veritas VxVM 3.1 DMP functionality is supported for CLARiiON with a Veritas-published CLARiiON Support Patch, which is part of the Veritas Volume Manager 3.1 Service Pack 1.**

VERITAS File System (VxFS)

Product Name	Supported OS	Status/Release Planned	PowerPath	Storage Model(s)	Comments
Sun Solaris					
VxFS 3.2.5	Solaris 2.6	Qualified	Refer to VxVM information, or else contact EMC Customer Service.	Symmetrix 3000/5000 series	
VxFS 3.2.6	Solaris 2.6	Qualified	Refer to VxVM information, or else contact EMC Customer Service.	Symmetrix 3000/5000 series	
VxFS 3.3	Solaris 2.6	Qualified	Refer to VxVM information, or else contact EMC Customer Service.	Symmetrix 3000/5000 series	
VxFS 3.3.1	Solaris 2.6	Qualified	Refer to VxVM information, or else contact EMC Customer Service.	Symmetrix 3000/5000 series	
VxFS 3.3.2	Solaris 2.6, 7	Qualified	Refer to VxVM information, or else contact EMC Customer Service.	Symmetrix 3000/5000 series	The following VxFS 3.3.2 patches are recommended: 108474-01 (Solaris 2.6) 108475-01 (Solaris 2.7)
VxFS 3.3.3	Solaris 2.6, 7, 8	Qualified	Refer to VxVM information, or else contact EMC Customer Service.	Symmetrix 3000/5000 series	
VxFS 3.4	Solaris 2.6, 7, 8	Qualified	Refer to VxVM information, or else contact EMC Customer Service.	Symmetrix 3000/5000 series*, 8000 series, DMX series CLARiiON FC4700, CX600, CX400	
VxFS 3.4	Solaris 9	Qualified	Refer to VxVM information, or else contact EMC Customer Service.	Symmetrix 3000/5000 series*, 8000 series, DMX series CLARiiON FC4700, CX600, CX400	
VxFS 3.5	Solaris 2.6, 7, 8, 9	Qualified	Refer to VxVM information, or else contact EMC Customer Service.	Symmetrix 3000/5000 series*, 8000 series, DMX series CLARiiON FC4700, CX600, CX400	
HP-UX					
HP JFS 3.0 and HP Online JFS 3.0	HP-UX 10.20	Supported	2.0, 2.0.1, 2.0.2, 2.1, 2.1.2, 2.1.3, 3.0, 3.0.1	Symmetrix 3000/5000 series*, 8000 series	VxFS File System Type 3
HP JFS 3.1 and HP Online JFS 3.1	HP-UX 11.0	Supported	2.0, 2.0.1, 2.0.2, 2.1, 2.1.2, 2.1.3, 3.0, 3.0.1	Symmetrix 3000/5000 series*, 8000 series	VxFS File System Type 3
HP JFS 3.3 and HP Online JFS 3.3	HP-UX 11i v1.0 (HP-UX 11.11)	Supported	2.0.2, 2.1, 2.1.2, 2.1.3, 3.0, 3.0.1	Symmetrix 3000/5000 series*, 8000 series	VxFS File System Type 4. HP JFS 3.3 and HP Online JFS 3.3 is equivalent to VERITAS VxFS 3.3.
VxFS 3.3	HP-UX 11i v1.0 (HP-UX 11.11)	Supported	2.0.2, 2.1, 2.1.2, 2.1.3, 3.0, 3.0.1	Symmetrix 3000/5000 series*, 8000 series	VxFS File System Type 4. HP JFS 3.3 and HP Online JFS 3.3 is equivalent to VERITAS VxFS 3.3.
VxFS 3.5	HP-UX 11i v1.0 (HP-UX 11.11)	Supported	3.0.2	Symmetrix 8000 series, DMX series	HP-UX 11i 64 bit only, Sep 2002 or later. The full VxFS 3.3 product, B3929CA, must be present on the system to upgrade to VxFS 3.5.
AIX					
VxFS 3.4.4.0	AIX 5.1, 5.2	Qualified	3.0.4	Symmetrix 8000 series, DMX series CLARiiON CX600, CX400	
Linux					
VxFS 3.4 Update 1 ²	Red Hat v2.1 Advanced Server v2.4.9-E3	Qualified	N/A	Symmetrix 8000 series CLARiiON FC4700, CX600, CX400, CX200	VxFS is part of the VERITAS Foundation Suite 2.0
VxFS 3.4 Update 1	Red Hat v2.1 Advanced Server upgraded to v2.4.9-E12	Qualified	N/A	Symmetrix 8000 series, DMX series CLARiiON FC4700, CX600, CX400, CX200	VxFS is part of the VERITAS Foundation Suite 2.0

1. The package patch-2.5.4-10.i386.rpm is required and is available on Red Hat 2.1 Advanced Server CD #2.
 2. Refer to Veritas technote #243712 for instructions on the Foundation Suite installation.
 3. Except Symmetrix 3700/5700.

VERITAS Cluster Server (VCS)

See the Clustered Host Tables for VCS support.