

Supplement to the Guide to AViiON[®] and DG/UX[™] System Documentation

014-002322-00

This supplement, applicable to AViiON 500, 550, 5500, 7400, 8400, and 9500, contains replacement pages for Chapter 2 of your manual 069-701085-03. Please see "Updating Your Manual."

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Supplement to
the Guide to AViiON® and DG/UX™ System Documentation
014-002322-00

In the margins of replacement pages, a vertical bar indicates substantive technical change from 069-701085-03.

The supplement number appears on all pages in this supplement.

Updating Your Manual

This supplement (014-002322-00) to *Guide to AViiON[®] and DG/UX[™] System Documentation* provides new information on the AViiON manuals.

To update your copy of 069-701085-03, please remove manual pages and insert supplement pages as follows:

Remove

old Title/Notice for 069-701085-03
old Chapter 2
old Index

Insert

new Title/Notice for 069-701085-03
new Chapter 2
new Index

Insert this sheet immediately behind the new Title/Notice page.

Guide to AViiON[®] and DG/UX[™] System Documentation

069-701085-03

For the latest enhancements, cautions, documentation changes, and other information on this product, please see the Release Notice (085-series) and/or Update Notice (078-series) supplied with the software.

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Guide to AViiON® and DG/UX™ System Documentation 069-701085-03

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A vertical bar in the margin of a page indicates a manual that is new or has substantially changed since the last revision of this guide.

2

AViiON system hardware and firmware manuals

This chapter identifies the basic AViiON® documentation set, and lists AViiON hardware and firmware manuals. It includes documentation for basic system hardware and for peripherals that are available from Data General. A number of other manuals are available from other vendors.

The installation section includes setup guides for specific systems and installation manuals for specific peripherals. The descriptions include ordering information: either Data General part numbers or vendor addresses.

Basic AViiON documentation set

The basic documentation you receive with your AViiON system hardware includes some or all of the following manuals:

- *Using AViiON® Diagnostics and the AV/AlertSM Diagnostic Support System* (014-002183)
- An operation manual, the title of which depends upon the AViiON series system you ordered
- An installation manual if your system is customer-installable. The title depends upon the AViiON series system you ordered.
- *Setting Up and Installing VMEbus Options in AViiON® Systems* (014-001867-03) depending upon which system you ordered.

System and component installation

Installation Roadmap

A pamphlet that outlines the recommended reading path through hardware and software installation documentation. Ordering Number — 069-701084-04

General system setup and diagnostics

Setting Up, Starting, and Maintaining AViiON® Workstations: 100, 200, and 300 Series

Describes how to prepare a site for installation, unpack and set up the computer system, start and stop the computer, and respond to any problems encountered during powerup. Explains how to replace the power supply, fuse, speaker, fan, or system board assemblies, how to replace the PROM component on the system board, and how to add or replace memory. Explains how to change firmware parameters using the System Control Monitor (SCM) and how to boot devices. Ordering Number — 014-001886-01

Installing, Starting, Expanding and Maintaining AViiON® Computer Systems: 410, 412, 4100, and 4300 Series

Describes how to unpack, set up, and start the computer. Explains how to add or replace drives, memory modules, the system board assembly, CPU board, power supply, fan assembly, and PROM components. Provides suggestions for resolving power-up problems. Use *Setting Up and Installing VMEbus Options in AViiON® Systems* to set up VMEbus options for these systems. Ordering Number — 014-002083-03

Installing, Operating, and Expanding Your AViiON® 500 Workstation

Describes how to prepare a site for installation, unpack and set up the computer system, start and stop the computer, and respond to any problems encountered during powerup. Explains how to replace the power supply, fuse, speaker, fan, or system board assemblies; how to replace the PROM component on the system board; and how to add or replace memory. Explains how to change firmware parameters using the System Control Monitor (SCM) and how to boot devices. Ordering Number — 014-002200-00

Setting Up, Starting, Expanding and Maintaining AViiON® 530 and 4600 Computers

Describes how to prepare a site for installation, unpack and set up the system, start the computer, and respond to any problems encountered during powerup. Explains how to add or replace drives, memory modules, the system board assembly, CPU board, power supply, fan assembly, and PROM components. Includes physical, electrical, and environmental specifications for system components. Use *Setting Up and Installing VMEbus Options in AViiON® Systems* to set up VMEbus options for these machines. Ordering Number — 014-002091-01

Installing, Expanding, and Maintaining AViiON® 5500 and 550 Series Computers

Describes how to prepare a site for installation, unpack, and set up the system. Explains how to add or replace drives, memory modules, the system board assembly, CPU option board, power supply, and fan assembly. Includes physical, electrical, and environmental specifications for system components. Use *Setting Up and Installing VMEbus Options in AViiON® Systems* to set up VMEbus options for these machines. Ordering Number — 014-002250-00

Operating AViiON® 5500 and 550 Series Computers

Describes hardware startup and System Control Monitor (SCM) operation. This manual and 014-002250 are the primary references for AViiON 5500 and 550 series hardware. Ordering Number — 014-002249-00

Installing and Starting AViiON® 5000 and 7000 Series Computers

Describes how to prepare a site for installation, unpack and install an AViiON 5000 and 7000 series computer, and how to handle power-up problems. Includes physical, electrical, and environmental specifications. This manual does not support AViiON 5500 or 7400 computers. Ordering Number — 014-001806-06

Installing and Operating AViiON® 7400 Series Systems

Describes hardware installation, startup, and using the System Control Monitor (SCM) for basic system operation. Also provides cable lists, I/O signal assignments, and configuration guidelines. Ordering Number — 014-002176-00

Operating AViiON® 6280 and 8000-8 Series Systems

Describes hardware startup and shutdown and how to use the System Control Monitor (SCM) for basic system operation. Also provides cable lists, I/O signal assignments, and configuration guidelines. Ordering Number — 014-002177-00

Starting AViiON® 6000 Series Systems

Describes basic AViiON 6000 and 8000 series computer systems, including hardware components and maximum configurations. Explains how to power up the computer unit and respond to common power-up problems. Includes electrical and environmental specifications. This manual does not support AViiON 6280, 8000-8, or 8400 series computers. Ordering Number — 014-001819-01

Operating AViiON® 8400 Series Systems

Describes hardware startup and System Control Monitor (SCM) operation. As the primary operator's manual for AViiON 8400 series hardware, it also provides an overview of high-availability features and solutions to power-up problems. Ordering Number — 014-002178-00

Installing and Operating AViiON® 8500 Series Systems

Describes hardware installation, startup, and System Control Monitor (SCM) operation. As the primary reference manual for AViiON 8500 series hardware, this manual provides cable lists, I/O signal assignments, configuration guidelines, and an overview of high-availability features and solutions to power-up problems. Ordering Number — 014-002247-00

Operating AViiON® 9500 Series Systems

Describes hardware startup and System Control Monitor (SCM) operation. As the primary operator's manual for AViiON 9500 series hardware, it also provides an overview of high-availability features and solutions to power-up problems. Ordering Number — 014-002248-00

Diagnostics

Using AViiON® System Diagnostics and the AV/AlertSM Diagnostic Support System

Describes diagnostic products available for all AViiON computers. Provides steps for enabling and operating the AV/Alert system, and for using the utilities of the stand-alone AViiON System Diagnostics. Ordering Number — 014-002183-01

VMEbus installation

Setting Up and Installing VMEbus Options in AViiON® Systems

Describes how to jumper VMEbus controllers to operate in an AViiON environment. Explains how to install and remove controller boards in the VMEbus card cages. Supplies instructions for connecting external devices to the controller boards.

This is the primary manual for configuring, installing, removing, and connecting VME distributed adapters and controllers in AViiON systems. Supplement it with relevant manuals described in the next section. Ordering Number — 014-001867-03

VMEbus option card configuration

Configuring and Installing VSC3i Controllers in AViiON® Systems

Provides jumper settings, cable identification, pinouts, and installation information for this VME synchronous controller (DG/UX device driver **vsxb**). Includes configuration information for all supported synchronous interfaces. Ordering Number — 014-002151-00

VMEbus Data Communications Processor (DCP-8820) Technical Manual

Contains information about installing and operating the VMEbus synchronous data communications processor (VSC/3, VSC/4). Ordering Number — 014-001816-03

Configuring the VME Token Ring Controller (VTRC) for AViiON® Systems

Explains how to modify the jumper configurations of the VME token ring controller for AViiON systems. Ordering Number — 014-0002016-00

Technical Notice: Setting Up and Installing the VME Distributed Token Ring Controller (VTRC) in AViiON® Systems

Provides jumper settings, cable identifications, pinouts, and installation information specific to VTRC controllers. Supplements *Configuring the VME Token Ring Controller (VTRC) for AViiON® Systems* and *Setting Up and Installing VMEbus Options in AViiON® Systems*. Ordering Number — 014-002080-00

Technical Notice: Setting Up and Installing VMEbus Termserver Controllers (VTC)

Provides information on jumpering, cables, pinouts, and installing the VTC. Use with the *VMEbus Termserver Controller (VTC) Hardware Technical Manual* and *Setting Up and Installing VMEbus Options in AViiON® Systems*. Ordering Number — 014-002109-00

VMEbus Termserver Controller (VTC) Hardware Technical Manual

Describes board layout and technical details of the model 7425 terminal controller. Ordering Number — 014-002108-00

HPS VMEbus Host Adapter Technical Manual

Contains information about installing, programming, and operating VDA/128 host adapter hardware. Ordering Number — 014-001815-01

VDA/255 Host Adapter Technical Manual

Contains information about programming and operating the VDA/255 host adapter. Ordering Number — 014-002049-00

Technical Notice: Setting Up and Installing VDA/255 Host Adapters

Provides jumper settings and installation information for the VDA/255. Use in conjunction with *VDA/255 Host Adapter Technical Manual* and with *Setting Up and Installing VMEbus Options in AViiON® Systems*. Ordering Number — 014-002070-00

HPS Downloadable Cluster Controller Technical Manual

Contains information about installing, programming, and operating the Model 20 HPS Downloadable Cluster Controller hardware (VDC/8P, VDC/16). Ordering Number — 014-001813-02

HPS Downloadable Cluster Controller Installation Guide

This is the primary manual for installing, removing, and connecting Model 020 and 030 cluster controllers in conjunction with VME distributed adapters (VDA/128 or VDA/255) in AViiON systems. Ordering Number — 014-001814-02

Model 030 Cluster Controller Technical Manual

Contains information about installing, programming, and operating Model 030 VMEbus distributed cluster controllers (VDC/8P, VDC/16). Ordering Number — 014-002047-00

HPS Terminal Control Software, Version 03A User's Manual

Contains information about the interface provided by the terminal controller software for the host system. This interface allows access to the asynchronous communication channels of Data General's VAC/16 controller and host adapter boards with their cluster controllers. Ordering Number — 069-000347-01

HPS VMEbus Multiplexor (HPS-6236/6237) Technical Manual

Contains information about operating the HPS VMEbus multiplexor (VAC/16) hardware. Ordering Number — 014-001817-02

Installing, Configuring, and Programming the Model 7430 VME SCSI-2 Adapter (VSA) in AViiON® Systems

Describes the board layout and technical details of the Model 7430 SCSI controller (DG/UX device driver **dgsc**), and how to install it in your AViiON system. Ordering Number — 014-002163-00

Installing the 6544 VMEbus SCSI Adapter

Describes the board layout and technical details of the model 6544 VMEbus SCSI adapter board (DG/UX device driver **cisc**). Written by the vendor, the manual includes the Ciprico Product Specification for the Rimfire 3500. Ordering Number — 014-001756-00

Ciprico RSF3560 SCSI Host Adapter User's Guide

Describes the board layout and technical details of the RSF3560 VMEbus SCSI adapter board (DG/UX device driver **cisc**). Written by the vendor. Ordering Number — 014-002112-00

Technical Notice: Setting Up and Installing VMEbus FDDI Controllers (VFC) in AViiON® Systems

Provides AViiON default settings and DG/UX configuration requirements for the VFC fiber-optic LAN controller. Use with the *VFC (4211 Peregrine) User's Guide* and *Setting Up and Installing VMEbus Options in AViiON Systems*. Ordering Number — 014-002155-00

VFC (4211 Peregrine) User's Guide

Provides board layout and technical information for the VME fiber-distributed data interface controller (DG/UX device driver **pefn**). Produced for Data General by the Interphase Corporation (Interphase Model 4211, Peregrine). Ordering Number — 014-002154-00

V/Ethernet 3207 Hawk Local Area Network Controller for Ethernet User's Guide

Contains information about programming and installing the V/Ethernet 3207 Hawk local area network controller (VLC; DG/UX device driver **hken**). Ordering Number — 014-001818-01

VLCi Ethernet LAN Controller (CMC-130) Reference Guide

Provides board layout and technical information for the VME LAN controller (DG/UX device driver **ciem**). Produced for Data General by the CMC Corp. (CMC Model 130). Ordering Number — 014-002152-00

Technical Notice: Setting Up and Installing VLCi Controllers in AViiON® Systems

Provides AViiON default settings and DG/UX configuration requirements for the VLCi Ethernet LAN controller. Use in conjunction with *VLCi Ethernet LAN Controller (CMC-130) Reference Guide* and with *Setting Up and Installing VMEbus Options in AViiON Systems*. Ordering Number — 014-002153-00

Setting up and Installing Nonvolatile RAM Modules in AViiON® Systems

Describes, installing, configuring, and jumpering the Model 5018 VME board. Ordering Number — 014-510511-00

Mass-storage subsystem (CSS and PHU) installation

Installing and Operating the Model 10565 Peripheral Housing Unit (PHU)

Describes how to unpack, install, and power up the PHU subsystem. Explains how to replace the power supply, line cord, and fan; and provides general instructions for replacing a drive. Lists electrical and environmental specifications. Ordering Number — 014-001810-03

Disk-array and tape-array storage-system installation

The CLARiiON™ Series 2000 Disk-Array Storage System with the DG/UX™ Operating System

Describes how to install, operate, and maintain the CLARiiON™ desktide disk-array storage system and how to operate and maintain the rackmount disk-array storage system (The CLARiiON storage system has a capacity of 20 disk modules.). Explains how to use the GridMgr (grid manager) and **sysadm** programs to plan, set up, and manage storage-system disk configurations. Explains how to generate a new DG/UX kernel to support storage-system disks and how to transfer control of disks using DG/UX. Describes how to add and replace customer replaceable units (CRUs). (The original version of this disk-array system was named H.A.D.A. II and the original revision of this manual used that name.) Ordering Number — 014-002168-03

Installing, Operating, and Maintaining the CLARiiON™ Tape-Array Storage System - DG/UX™ or AOS/VS II Environment

Describes how to install, operate, and maintain the CLARiiON desktide tape-array storage system, and how to operate and maintain the rackmount tape-array storage system. Explains how to make the physical tapes accessible to the operating system. Describes how to add and replace customer replaceable units (CRUs). Ordering Number — 014-002181-02

Disk drive installation

Installing and Operating Your Model 6538/6539 Half-Height Winchester Disk Drive

Describes how to unpack, install, power up, maintain, and operate the 179-megabyte half-height Winchester disk drive. Ordering Number — 014-001722-00

Installing and Operating the Model 6562 and 6563 Diskette Drives

Describes how to unpack, install, power up, maintain, and operate the 1.44-megabyte 3-1/2 inch and 1.2-megabyte, 5-1/4 inch half-height diskette drives (with SCSI adapter board). Ordering Number — 014-001921-02

Installing the 1-Gigabyte Fixed Disk Drive

Describes how to unpack, configure, mount, cable, and apply power to the drive. Covers both single-ended and differential SCSI configurations. Contains detailed technical specifications for the drive characteristics, power requirements, environmental tolerances, and physical dimensions. Ordering Number — 014-002014-01

Installing Your Model 6554/6555 Series Disk Drive

Describes how to unpack, install, power up, and maintain the 662-megabyte full-height Winchester disk drive. Ordering Number — 014-001702-01

Installing Model 6811-B Single-Ended and Model 6660 Series Disk Drives

Describes how to unpack, install, power up, and maintain the 332-megabyte half-height Winchester disk drive. Ordering Number — 014-001940-01

Installing the 3-1/2 Inch Disk Drive: Models 6662, 6796 and 6799

Describes how to install Models 6662 and 6796 (single-ended) and 6799 (differential) disk drives. Ordering Number — 014-002139-04

Technical Notice: Installing the 3-1/2 Inch Disk Drive Model 6662, Version B

Provides additional configuration and installation information for Model 6662 Version B 332-megabyte disk drive. Ordering Number — 014-002165-00

Installing the 3-1/2 Inch Disk Drives: Models 61000-S, 61000-D, 6802 and 6805

Describes how to install Model 61000-S, 61000-D, 6802 and 6805 disk drives. Ordering Number — 014-002239-01

Installing the 3-1/2 Inch Disk Drives: Models 6841, 6842, and 6843

Describes how to install Model 6841, 6842, and 6843 disk drives. Ordering Number — 014-002194-00

Installing the Model 6861 and 61000-W 3-1/2 Inch Disk Drives

Describes how to install Model 6861 and 61000-W 3-1/2 inch disk drives. Ordering Number — 014-002288-00

CD-ROM/Optical disk drive installation

Installing and Configuring the Model 6627 Rewriteable Magneto-Optical Disk Drive

Describes how to unpack, configure, install, and operate the disk drive. Explains how to handle and use magneto-optical cartridges. Ordering Number — 014-001942-02

Installing and Configuring OpStar™ Optical Disk Subsystems Series 6613 and 6614

Describes how to unpack, install and configure a Series 6613 Optical Disk Subsystem and Series 6614 Multifunction Optical Disk Subsystem. Lists switch settings for controllers and shows the pin layout for SCSI bus connectors. Ordering Number — 014-510346-00

Installing and Operating Your Model 6552 Series CD-ROM Drive

Describes how to unpack, install, power up, and maintain the 600-megabyte half-height CD-ROM drive. Ordering Number — 014-001721-01

Installing and Operating the Model 6629 CD-ROM Drive

Describes how to unpack, install, power up, and maintain the Model 6629 CD-ROM drive. Ordering Number — 014-002141-00

Installing and Operating the Model 6690 Stand-Alone CD-ROM Drive

Describes how to unpack, install, power up, and maintain the Model 6690 CD-ROM drive. Ordering Number — 014-002162-01

Using OpStar™ Optical Storage Software

Describes how to use (1) the OpStar Optical Disk Drive Package, which supports 12-inch WORM optical disk drives and 5-1/4 inch rewritable and WORM drives; and (2) the OpStar Optical Disk Jukebox Package, which supports 12-inch WORM jukebox and 5-1/4-inch rewritable and WORM jukebox subsystems. Ordering Number — 093-510347-00

Tape drive installation

Installing and Operating the Cartridge Tape Drive : Models 6675, 6676, 6677, and 6756

Describes how to unpack, configure, install, operate, and maintain the named models. Ordering Number — 014-001953-02

Installing and Operating Model 6760 and 6761 Cartridge Tape Drives

Describes how to install and operate the Model 6760 and 6761 8-mm tape drives. Ordering Number — 014-002169-01

Installing and Operating the Model 6762 Digital Audio Tape (DAT) Drive

Describes how to unpack, configure, install, and operate the drive. Explains how to clean the tape path and how to solve operating problems. Ordering Number — 014-002138-00

Installing and Operating the Model 6691 Stand-Alone Cartridge Tape Drive

Describes how to install and operate the Model 6691 stand-alone cartridge tape drive. Ordering Number — 014-002158-00

Installing and Operating Your 150-Megabyte 1/4-Inch Cartridge Tape

Describes how to unpack, configure, install, operate, and maintain the 150-megabyte QIC (quarter-inch cartridge) half-height tape drive. Ordering Number — 014-001699-03

Installing the 6586/6587 Magnetic Tape Streamer Unit

Describes how to unpack, inspect, install, and power up the 6586/6587 reel-to-reel tape drive. Explains how to install and remove reel-to-reel tapes. Ordering Number — 014-001692-01

Installing and Operating Your Model 6590 Series Cartridge Tape Drive

Describes how to unpack, install, power up, and maintain the 2.2-gigabyte stand-alone cartridge tape drive. Ordering Number — 014-001701-01

Installing and Operating Reel-to-Reel Tape Drives: Models 6855D, 6855R, 6856D, and 6856R

Describes how to unpack, inspect, install, power up, run diagnostics on, operate, and clean the unit. Explains how to install, remove, and care for reel-to-reel tapes. Ordering Number — 014-002216-00

Installing and Operating Reel-to-Reel Tape Drives: Models 6588, 6589, and 6857

Describes how to unpack, inspect, install, power up, run diagnostics on, operate, and clean the unit. Explains how to install, remove, and care for reel-to-reel tapes. Ordering Number — 014-001759-04

Local area network (LAN) installation

Data General Fiber Optic Cable Plant Design and Verification Manual

Describes the topology and installation of fiber-optic cable systems. Ordering Number — 014-001653-00

DG/Token Ring Local Area Network Installation Guide

Explains how to install Token Ring Network hardware with twisted-pair wiring that connects nodes and Trunk Access Units. Ordering Number — 014-001730-00

Ethernet/IEEE 802.3 Local Area Network Installation Guide

Explains how to install both the coaxial cable plant of an Ethernet local area network (LAN) and the transceivers that connect the network to a node communication controller. Ordering Number — 014-000793-02

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