

**HP 3000 SERIES 37**  
**SOFTWARE INSTALLATION UPDATE NOTICE**



**HEWLETT  
PACKARD**

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**Introduction:** The ATP37/M (40290A) is the new Terminal Interface Controller (TIC) for the HP 3000 Series 37. All the ATP37/M versions offer eight ports; one more than is provided by the ATP37 (30460A). The information in this update notice is only required for configuring the ATP37/M on a system with a T-Delta-2 or T-Delta-3 MIT operating system. The configuration will be modified in the U-MIT and later releases. This notice is an update of the Series 37 Software Installation Manual, part number 32033-90037.

**Hardware:** There are three versions of the ATP37/M; each provides a different connector panel.

- The standard ATP37/M (40290A) provides 7 RS-232-C (3-pin) direct connect ports and 1 RS-232-C (25-pin) modem port.
- Option 105 provides 7 RS-422 (5-pin) direct connect ports and 1 RS-232-C (25-pin) modem port.
- Option 125 provides 4 RS-232-C (25-pin) direct connect ports and 4 RS-232-C (25-pin) modem ports.

The standard ATP37/M and Option 105 each have a connector panel with port 7 as the only modem port. Option 125 provides a connector panel which has 4 direct connect ports (ports 0 thru 3) and 4 modem ports (ports 4 thru 7). Note that the modem ports can also be used for direct connections.

**Installation:** Once the ATP37/M hardware is installed, it should be verified by running the off-line diagnostic TICDIAG (version: V2.00) from the DUS tape (date code: 2531) distributed with T-Delta-3 MIT and later releases.

**Configuration:** The system configuration for the ATP37/M and the ATP37 is the same except for the following:

- 1) The configuration dialogue does not prompt you for port 6 of the ATP37/M.
- 2) If configuring an ATP37/M Option 125 then ports 4 thru 7 may be configured as modem ports. Port 7 is recognized as a modem port. At the Sub Type prompt, ports 4, 5 and 6 can also be specified as modem ports.

The configuration of port 6 on an ATP37/M follows the same general SYSDUMP/INITIAL configuration dialogue as ports 1 to 5 and port 7. The modem ports are configured by specifying Sub Type 1 (or 15) in response to the Sub Type prompt. The configuration dialogue is as follows:

| System Prompt:             | Response:  |
|----------------------------|--|
| I/O configuration changes? | Y  |
| List I/O devices?          | As required.   |
| List CS devices?           | As required.   |
| List device defaults?      | As required.   |
| Highest DRT= xxx?          | Change if necessary based on the channel number of the ATP37/M PCA. Remember that the channel number is determined by slot position. |
| Ldev number?               | Enter the appropriate ldev numbers.  |
| Device name?               | HPTERMATP or HPLPATP depending on whether you're running a terminal or printer.  |

|                            |  |
|----------------------------|--|
| DRT= xx?                   | The system will search for the board and give you it's DRT. If it is correct then enter <u>RETURN</u> otherwise enter the correct number.  |
| Unit Number=x?             | You will be prompted for each port. The exception will be port 6. Port 6 should be entered after completing port 5. The system will prompt Unit Number=? Enter 6 at this point to override. Then continue as normal.                         |
| Software channel number=0? | <u>RETURN</u>  |
| Type= 16?                  | This will be 16 or 32 depending on the device name you specified. If the default is correct then enter <u>RETURN</u> otherwise enter the correct value.  |
| Sub Type= xx?              | This will normally be 0 or 14 (direct connect). For modem ports enter 1 for terminals or 15 for printers. Values 1 and 15 are only valid for ports 4 thru 7 on an ATP37/M Option 125 and only port 7 on the standard ATP37/M and Option 105. |
| Termtype?                  | As required.   |
| Speed?                     | As required. All ports are speed sensed anyway (a CR character is required). The maximum speed is 120 cps.   |
| Record width?              | As required.   |
| Output dev?                | This is normally the same as the Ldev.   |
| Job accepting?             | As required.   |
| Data accepting?            | As required.   |
| Interactive?               | As required.   |
| Duplicative?               | As required.   |
| Initially spooled?         | As required.   |
| Auto reply?                | As required.   |
| Drivername=hioterm 1?      | <u>RETURN</u>  |
| Class Name=term?           | <u>RETURN</u> or add any other class names required.   |

**NOTE:** The values that should be entered in the fields marked "As required" depend on what is to be accomplished. The values for an ATP37/M are identical to those for any other ATP port. The only prompts where there is a difference between ATP37/M and ATP37 are at "Unit Number?" for port 6 and at "Sub Type?" if you want ports 4, 5 and 6 to be modem ports.

An example of the configuration of port 6 follows:

```

ANY CHANGES? y
SYSTEM ID = HP32033G.A1.02.?
MEMORY SIZE = 2944 (MIN=256, MAX=8192)?
I/O CONFIGURATION CHANGES? y
LIST I/O DEVICES? y
LOG DRT U C T SUB          REC  OUTPUT  MODE  DRIVER  DEVICE
DEV #  N H Y TYPE  TERMINAL  WIDTH  DEV          NAME    CLASSES
#      I A P      TYPE SPEED
      T N E
1  33  0  0  3  5          128   0          HIOMDSC2 SYSDISC
                                DISC
                                SPOOL
6  36  0  0  32  9         66   0          S  HIOCIPRO LP
7  35  0  0  3  3         128   0          HIOCTAP1 TAPE
                                CTAPE
                                SDISC
                                DDUMP
10 37  3  0  3  3         128  LP    JA  HIOCTAP1 JOBTAPE
20  8  0  0  16  0         10  960   40  20    JAID HIOTERM1 TERM
                                CONSOLE
21  8  1  0  16  0         10  960   40  21    JAID HIOTERM1 TERM
22  8  2  0  16  0         10  960   40  22    JAID HIOTERM1 TERM
23  8  3  0  16  0         10  960   40  23    JAID HIOTERM1 TERM
24  8  4  0  16  0         10  960   40  24    JAID HIOTERM1 TERM
25  8  5  0  32  14        19  240   66   0          S  HIOASLP0 LP2932
27  8  7  0  16  1         10  120   40  27    JAID HIOTERM1 TERM
                                MODEM

```

LIST DEVICE DEFAULTS?

HIGHEST DRT = 97 (MIN=8, MAX=511)?

LOGICAL DEVICE #? 26

DEVICE NAME? HPTERMATP

DRT #? 8

UNIT #? 6

SOFTWARE CHANNEL # = 0?

TYPE = 16?

SUB TYPE = 0?

\*\*\* 0 or 14 = Direct Connect, 1 or 15 = Modem \*\*\*

ENTER [TERM TYPE #],[DESCRIPTOR FILENAME] = ( 10 ) ?

SPEED IN CHARACTERS PER SECOND = 960?

\*\*\*Sensed speed or Required speed \*\*\*

RECORD WIDTH = 40?

OUTPUT DEVICE = 26?

ACCEPT JOBS/SESSIONS = Y ?

ACCEPT DATA = Y ?

INTERACTIVE = Y ?

DUPLICATIVE = Y ?

INITIALLY SPOOLED = N ?

AUTO REPLY = N ?

DRIVER NAME = HIOTERM1?

DEVICE CLASSES = TERM?

LOGICAL DEVICE #?

Software Installation Update

If configuring an ATP37/M Option 125 then ports 4, 5 and 6 can also be configured as a modem ports by specifying Sub Type = 1 (or 15) during the SYSDUMP/INITIAL configuration dialogue.

An example of the SYSDUMP/INITIAL dialogue for configuring an HP2932A, HP2933A, HP2934A, HP2686, or HP2687 printer for direct connection to port 6 of an ATP37/M is as follows:

```
LOGICAL DEVICE #? 26
DEVICE NAME? HPPCLATP
DRT #? 8
UNIT #? 6
SOFTWARE CHANNEL # = 0?
TYPE = 32?
SUB TYPE = 14?
ENTER [TERM TYPE #], [DESCRIPTOR FILENAME] = (TTPCL22.PUB.SYS) *** See NOTE ***
*** Use TTPCL18 for the HP2687 ***

SPEED IN CHARACTERS PER SECOND = 960?
RECORD WIDTH = 66?
OUTPUT DEVICE = 0?
ACCEPT JOBS/SESSIONS = N ?
ACCEPT DATA = N ?
INTERACTIVE = N ?
DUPLICATIVE = N ?
INITIALLY SPOOLED = Y ?
AUTO REPLY = N ?
DRIVER NAME = HIOASLPO?
DEVICE CLASSES = LP?
```

NOTE: The file name must be entered in full otherwise it will be truncated incorrectly by INITIAL.

| LOG DRT U C T SUB | REC   | OUTPUT | MODE | DRIVER   | DEVICE   |
|-------------------|-------|--------|------|----------|----------|
| DEV # N H Y TYPE  | WIDTH | DEV    |      | NAME     | CLASSES  |
| # I A P           | TYPE  | SPEED  |      |          |          |
| T N E             |       |        |      |          |          |
| 1 33 0 0 3 5      | 128   | 0      |      | HIOMDSC2 | SYSDISC  |
|                   |       |        |      |          | DISC     |
| 2 34 0 0 3 5      | 128   | 0      |      | HIOMDSC2 | SPOOL    |
|                   |       |        |      |          | DISC     |
| 7 35 0 0 3 3      | 128   | 0      |      | HIOCTAP1 | SPOOL    |
|                   |       |        |      |          | TAPE     |
|                   |       |        |      |          | CTAPE    |
|                   |       |        |      |          | SDISC    |
|                   |       |        |      |          | DDUMP    |
| 10 37 0 0 24 0    |       |        | LP   | HIOTAPE0 | JOBTAPE  |
| 20 8 0 0 16 0     | 10    | 960    | 40   | 20       | JAID     |
|                   |       |        |      |          | HIOTERM1 |
|                   |       |        |      |          | TERM     |
| 21 8 1 0 16 0     | 18    | 1920   | 40   | 21       | JAID     |
|                   |       |        |      |          | HIOTERM1 |
|                   |       |        |      |          | TERM     |
| 22 8 2 0 16 0     | 10    | 1920   | 40   | 22       | JAID     |
|                   |       |        |      |          | HIOTERM1 |
|                   |       |        |      |          | TERM     |
| 23 8 3 0 16 0     | 18    | 1920   | 40   | 23       | JAID     |
|                   |       |        |      |          | HIOTERM1 |
|                   |       |        |      |          | TERM     |
| 24 8 4 0 32 14    | 18    | 120    | 66   | 0        | S        |
|                   |       |        |      |          | HIOASLP0 |
|                   |       |        |      |          | LP       |
| 25 8 5 0 32 14    | 18    | 960    | 66   | 0        | S        |
|                   |       |        |      |          | HIOASLP0 |
|                   |       |        |      |          | LASER    |
|                   |       |        |      |          | JET      |
| 27 8 7 0 16 1     | 18    | 120    | 40   | 27       | JAID     |
|                   |       |        |      |          | HIOTERM1 |
|                   |       |        |      |          | TERM     |
| 28 24 0 0 16 0    | 10    | 960    | 40   | 28       | JAID     |
|                   |       |        |      |          | HIOTERM1 |
|                   |       |        |      |          | TERM     |
| 29 24 1 0 16 0    | 10    | 960    | 40   | 29       | JAID     |
|                   |       |        |      |          | HIOTERM1 |
|                   |       |        |      |          | TERM     |
| 30 24 2 0 16 0    | 10    | 960    | 40   | 30       | JAID     |
|                   |       |        |      |          | HIOTERM1 |
|                   |       |        |      |          | TERM     |
| 31 24 3 0 16 0    | 10    | 960    | 40   | 31       | JAID     |
|                   |       |        |      |          | HIOTERM1 |
|                   |       |        |      |          | TERM     |
| 32 24 4 0 16 0    | 10    | 960    | 40   | 32       | JAID     |
|                   |       |        |      |          | HIOTERM1 |
|                   |       |        |      |          | TERM     |
| 33 24 5 0 16 0    | 10    | 960    | 40   | 33       | JAID     |
|                   |       |        |      |          | HIOTERM1 |
|                   |       |        |      |          | TERM     |
| 34 24 7 0 16 0    | 10    | 960    | 40   | 34       | JAID     |
|                   |       |        |      |          | HIOTERM1 |
|                   |       |        |      |          | TERM     |

| TYPE | EVENT               | STATUS |
|------|---------------------|--------|
| 1    | LOGGING ENABLED     | ON     |
| 2    | JOB INITIATION      | OFF    |
| 3    | JOB TERMINATION     | OFF    |
| 4    | PROCESS TERMINATION | OFF    |
| 5    | FILE CLOSE          | OFF    |
| 6    | SYSTEM SHUTDOWN     | ON     |
| 7    | POWER FAIL          | ON     |
| 8    | SPOOLING            | ON     |
| 9    | LINE DISCONNECTION  | ON     |
| 10   | LINE CLOSE          | ON     |
| 11   | I/O ERROR           | ON     |
| 12   | VOLUME MOUNT        | OFF    |
| 13   | VOLUME SET MOUNT    | OFF    |
| 14   | TAPE LABELS         | OFF    |
| 15   | CONSOLE             | ON     |
| 16   | PROGRAM FILE EVENT  | ON     |
| 17   | CALL PROGRESS SGNLS | OFF    |
| 18   | DCE PROVIDED INFO   | OFF    |

1/16/86

| VOLUME # | NAME     | LOG DEV # |
|----------|----------|-----------|
| 2        | MH7945U1 | 2         |
| 3        | MH7945Y0 | 1         |

| VOLUME NAME | LDEV # | UM ALLOCATION |
|-------------|--------|---------------|
| MH7945U1    | 2      | 10            |
| MH7945Y0    | 1      | 10            |



