Installation Instruction

for

8260 Multiprotocol Intelligent Switching Hub

Ethernet 10BASE-FB Modules

Field B/M

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Before Installation

Purpose

The purpose of these instructions is to provide microcode update to Ethernet 10BASE-FB Modules (ST, FC, SMA connector types) via Field B/M P/N 80G3365

Machines affected

This EC EC E27750 applies to IBM 8260 feature codes 1110, 1210, and 1310.

Requirements

1. For LOCAL Out-of-BAND download (loading via the RS232 port of the Management Module).

   You must have :

   - An IBM PC/AT or compatible with a 3.5 inch diskette drive.
   - An 80 column video monitor (monochrome or color).
   - 640K of available RAM on the PC .
   - A Null modem connection from the PC to the Management Module for local download.

     NOTE :

     Cable P/N 6323741, Adapter 58G4422, and Interposer 58G2861 that were received with your 8260 can be used to create the NULL MODEM connection.
   - IBM code diskette P/N 80G3367 is provided with this change.
   - the IBM Universal Code Download kit (Feature Code 3150)
2. For REMOTE Out-of-Band downloading you must have :
   - A PC with the same characteristics as for the LOCAL load
   - Two Asynchronous Modems and RS232 cables

     NOTE: It is recommended that you use a V32 modem to load at speed of 9600 Bps.
3. For Inband downloading please refer to :

   8260 DMM Commands Guide

   8260 DMM User's Guide

Preparation

1. Familiarize yourself with the installation instructions before starting installation.
2. Familiarize yourself with the Universal Code Download kit. If not yet done, install UCDK using the Installation Instructions 80G3152.
3. Check all the items and count the parts listed on the B/M to be installed to determine that all the parts were received.
4. Diskette(s) security :
   - The diskette(s) can be copied to provide backup.

Line settings

The 8250/8260 feature factory defaults settings are:

- Speed: 9600 bps
- Parity: None
- Data bits: 8
- Stop bits: 1

Note: For connections at speeds other than 9600 bps, the 8250/8260 module terminal parameters will have to be changed to the desired speed. Refer to the appropriate *Installation and Operations Guide*, or *User's Guide*.

The ProComm procedure for line settings is as follows.

1. Press the "Alt-P" keys
2. Select combination 11:

   9600,N,8,1,COM1
3. Change the adapter address if it differs from "COM1" by selecting options 21, 22 or 23 for COM2, COM3 or COM4 respectively.
4. Save the changes by selecting option 24.
5. Quit the line settings procedure by pressing the "ESC" key.

Terminal Setup

After pressing the "Alt-S" keys, the Setup menu is displayed. Select option 2 to setup the terminal parameters as follows.

Terminal Emulation	VT100
Duplex	FULL
Flow Control	NONE
CR Translation (in)	CR Disables Carriage Return translation (executable code only)

CR Translation (out)	CR Disables Carriage Return translation (executable code only)
BS Translation	NON-DEST No character deletion, move cursor only.
BS Key Definition	BS Keystroke sent by BS
Line Wrap	OFF Truncates lines with a length greater than 80 Characters.
Scroll	ON
Break Length (ms)	350 Length of time for break condition.
Enquiry (Ctrl-E)	OFF No response to Ctrl-E (ENQ).

Installation time

Out of Band download time depends on number of bytes to be transfered. Usually you can compute an approximative time on a basis of 30K bytes per minute.

Installation

Note: If they are one BOOT code and one OPERational code to be downloaded, IBM recommends that you first download BOOT code.

Refer to Release Note P/N 29H4248 for more on this if applicable.

Safety

This update will be performed with the machine powered ON

- Review the **Safety Notices** delivered with the shipping group.

References

8260 DMM Commands Guide, and *8260 DMM User's Guide*.

Procomm Reference Manual.

Details of Installation

Terminal Usage

Warning: Consider the following when using a terminal to manage this device:

- IBM recommends that you use VT-100 terminal emulation with this product.
- If you use an IBM 31XX terminal, make sure not to use the [SEND] key.

  Use the [RETURN] key instead.

General diskette(s) content(s) description

Each of the IBM distribution diskettes to use for out-of-band download of microcode consists of:

- One or more executable microcode file(s) (e.g. could be one for BOOT code, one for OPERational)
- One or more command file(s) (xxxx.CMD) that encapsulate(s) a ProComm *SENDFILE XMODEM "filename"* command. (e.g. could be one for BOOT code, one for OPERational)

Specific diskettes contents description

1. Ethernet 10BASE-T diskette (P/N 80G3367) contains the files:
   - *10BFV105.OP* executable microcode file
   - *10BFV105.CMD* command file

Out-of-Band Download Procedure:

1. Make a backup copy of each IBM distribution diskette.
2. Establish the connection between your PC and the management module. Refer to the appropriate *Installation and Operations Guide*, or *User's Guide*.
3. Start the ProComm software
4. After the terminal screen is displayed, press the "Alt-B" keys to specify the diskette unit on which will be mounted the distribution diskette (A or B generally). The drive address is entered in the "PATH" input field. For example **a:**
5. Insert the IBM distribution diskette in the unit specified .
6. Start the download out-of-band procedure that pertains to the management module the terminal is connected to.

   For example: **download out_of_band module <slot.subslot> operational** will initiate the download of operational code to the target module specified by slot and subslot information.
   You may refer to the appropriate guides (Command and User's guides) for more on this.
7. When the management module is expecting the file to be sent (you may see the "Please initiate file transfer" prompt message):
   a. Press the "Alt-F5" key
   b. After the xxxx.CMD file(s) is(are) listed in a window, select the appropriate one using the arrow keys and press the "Return" key to start the download.
8. File transfer progress will be indicated on the terminal until completion.

   Note: The procedure has to be repeated for each command file of the diskette if needed.

After installation

Labelling

After installation of the microcode, change the part number of the upgraded module(s) to the following new P/Ns:

- P/N 80G3338 for Ethernet 10BASE-FB ST FC 1110
- P/N 80G3339 for Ethernet 10BASE-FB FC FC 1210
- P/N 80G3340 for Ethernet 10BASE-FB SMA FC 1310

Publication update

Add the provided Release Note P/N 29H4248 in your publication binder.

Parts disposition

not applicable

Machine Records

- Update the **MACHINE HISTORY, ETC.,** to reflect:

  EC E27750 as installed to the existing procedures.
- Report the installation and quality according to the existing procedures.