IBM INSTALLATION INSTRUCTIONS

Installation Instructions

for

8250 Token Ring Bridge

(Feature Codes 3883 and 3958)

Microcode Version 2.15

IBM INSTALLATION INSTRUCTIONS

IBM INSTALLATION INSTRUCTIONS

Contents

Before Installation

Purpose

This Field B/M P/N 29H4458, provides a microcode update to Microcode Version
2.15 for 8250 Token Ring Bridge

Machines affected

This EC, E27998, applies to 8250 feature codes 3883, 3958.

Requirements

1. For LOCAL Out-of-BAND download (loading via the RS232 port of the Token
   Ring Bridge 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 Token Ring Bridge 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 con-
     nection.

   - IBM code diskette P/N 29H4457 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

IBM INSTALLATION INSTRUCTIONS

- Two Asynchronous Modems and RS232 cables

  NOTE: It is recommended that you use a V32 modem to load at speed of 9600 Bps.

3. No Inband download capability for Token Ring Bridge

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. To secure the Diskette(s), you may want to build backup diskettes(s).

Warning:

- The out-of-band download for Token Ring Bridge requires a file transfer function using the ASCII upload. You will set an ASCII transfer setup through ProComm.

- Upgrading the Token Ring Bridge is disruptive for your network.

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).

ASCII transfer setup

After pressing the ″Alt-S″ keys, the Setup menu is displayed. Select option 6 to setup the ASCII TRANSFER SETUP..

1. Echo locally NO

2. Expand Blank lines NO

3. Pace character 0 (ASCII

4. Character pacing 1

5. Line Pacing 1

6. CR transalation NONE

7. LF translation STRIP

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

Safety
This update will be performed with the machine powered ON

• Review the **Safety Notices** delivered with the 8250 shipping group.

References

8250 Token Ring Bridge Installation and Operations 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

This IBM distribution diskette to use for out-of-band download of microcode consists of:

- One executable microcode Flash file code.

Specific diskette content description

Token Ring Bridges 2ports SR/SRT, diskette (P/N 29H4457) contains the file:

- *TRBF215.BIN* Token Ring Bridges 2ports SR/SRT Flash microcode file

Out-of-Band Download Procedure:

1. Make a backup copy of IBM distribution diskette.

2. Establish the connection between your PC and the Token Ring Bridge 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 microcode diskette P/N 29H4457 in selected diskette drive.

6. Start the download out-of-band procedure that pertains to the Token Ring Bridge module the terminal is connected to by choosing the following selection :

   >>>> Utilities Menu <<<<

   1. Display Filtering Address Table
   2. Set Error Logger Mode
   3. Display/Clear Error Message
   4. Initiate RS-232 Loader

   ESC to exit menu

   Enter Selection:

7. Enter 4

   ||| Operational software will be erased and monitor program started |||
      ARE YOU SURE?? (Y/N) :

8. Enter Y

   ||| Initiating monitor program, Please wait.

    ==== 802.5 Bootstrap Loader ==== Version 51.08 ====

   nter Selection
   (1-Configure Console Port, 2-Initiate Download):

9. Enter 2

   >>>> Ready for Download - begin load procedure

10. Press the "Upload" key

11. You must select the 7 for ASCII in order to initiate the download in ASCII mode.

12. You must enter the filename : TRBF215.BIN

13. Hexadecimal Bytes will scrolled on the bottom line of your terminal until completion.

14. At the end of the download the module will reboot.

15. Verify that the code is now the updated version 2.15 :

    - Main Menu

    - select 3

    - Detailed Configuration Menu

    - select 4

    - display configuration

    - at CURRENT VERSION Number You must see download 2.15

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 29H4456 for T/R Bridge module SR FC 3883

- P/N 29H4455 for T/R Bridge module SR/SRT FC 3958

Publication update

Add the provided Release Note P/N 29H4454 in your publication binder.

Parts disposition
not applicable

Machine Records

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

  E27998 as installed to the existing procedures.

- Report the installation and quality according to the existing procedures.