CMR-5970 VERSION 1.5.3 UPGRADE INSTRUCTIONS

Version 1.5.3 Upgrade Files

Version 1.5.3 of the firmware is an application upgrade only. Therefore, the user will only be required to upgrade the "Application" only. There will be no need to perform an upgrade of the FPGA firmware.

CMR-5970 Upgrade Procedure

The CMR-5970 is upgraded via Trivial File Transport Protocol (TFTP) and can be upgraded by one of three methods; a locally attached terminal or remotely logging in via the Web or Telnet interface to request the upgrade file from a TFTP server. From the Admin page, select Download Image on the telnet window or terminal and Update Firmware on the web interface and then select the preferred method.

The CMR-5970 is enabled to receive an upgrade via TFTP transmission. Comtech EF Data recommends using the Solarwinds TFTP server application (available at http://support.solarwinds.net/updates/SelectProgramFree.cfm) for upgrading the product.

> **NOTE**
>
> ***The user will be instructed whether to select *Application* or *FPGA* code in the download instructions provided by CEFD when new code is provided.***

Once the TFTP server is enabled and the new file (**Application** or **FPGA**) has been copied to the TFTP server, the procedures outlined in sections 2.1 and 2.2 may be used to upgrade the unit.

2.1 WEB INTERFACE

Access the **Administrative Configuration** menu (Figure A-1):

a) In the **Update Firmware** section, enter the **Unit TFTP Server IP Address**.

b) Select **Application** or **FPGA** for the **Image Type** to be upgraded.

c) Enter a valid username and password in the **Login Required** section (below the **Update Firmware** section) then select **Update**. The software update will begin to download.

> **IMPORTANT** ***Do NOT power the unit down during the upgrade process.***

d) When the update is complete, the message "**Press any key to continue**" will be displayed.

e) Once the unit is upgraded, reset the unit by entering a valid username and password in the first **Login Required** section, then selecting **Reset Unit**.

Figure 1. TFTP Download (via Web)

2.2 TELNET OR TERMINAL INTERFACE

Access the Admin Menu (Figure A-2):

a) Select **(D)** for **Download Image**.
b) At the "**Image type**" prompt, enter **1** for **Application** or **2** for **FPGA**.
c) Enter the TFTP IP server address. Once the TFTP IP server address is entered, the software update will begin to download.

IMPORTANT *Do NOT power the unit down during the upgrade process.*

d) When the update is complete, the message "**Press any key to continue**" will be displayed (Figure A-3).
e) After the unit has been upgraded, reset the unit by selecting **(R)** for Reset and '**Y**' to confirm the reset.

Figure 2. TFTP Download (via Terminal)

Figure 3. TFTP Download Complete (via Terminal)

Contact CEFD Network Product Support cdmipsupport@comtechefdata.com if there are any difficulties or questions about upgrading your *CMR-5970*.