ipIO-8 Firmware
Upgrade Procedure

Overview

This document details the procedure for upgrading the firmware in the ipIO-8 Ethernet I/O Controller. The process uses File Transfer Protocol (FTP) to upload the firmware image to the ipIO-8.

Before You Begin

Download the desired image.bin file and place it in an easily accessible directory. All files are named image.bin, so use the directory name provided, or individual directories with identifiable names. You will also need the IP address of the ipIO-8 to be upgraded.

Procedure

1) Open an FTP client. Windows users can use **Start…Run…FTP** to open the FTP client. Other users consult your FTP client documentation.
2) Connect to the IP address of the ipIO-8. Using the windows client:

   FTP> Open xxx.xxx.xxx.xxx <enter>

   Where xxx.xxx.xxx.xxx is the ip address of the ipIO-8
3) At the username prompt enter root <enter>

   FTP> root <enter>
4) At the password prompt enter dataprobe <enter>

   FTP> dataprobe <enter>
5) Change the transfer type to Binary

   FTP> binary <enter>
6) Upload the file image.bin with the put command

   FTP> put c:\image.bin <enter>

   Where c:\ is the location of image.bin
7) After the firmware is uploaded, the ipIO-8 will automatically restart. Wait for the blinking on the Activity LED (ACT) on the network connector to indicate that the ipIO-8 has restarted. This should take 60-90 seconds.

REF: Q\Q971204E_V971218X.DOC

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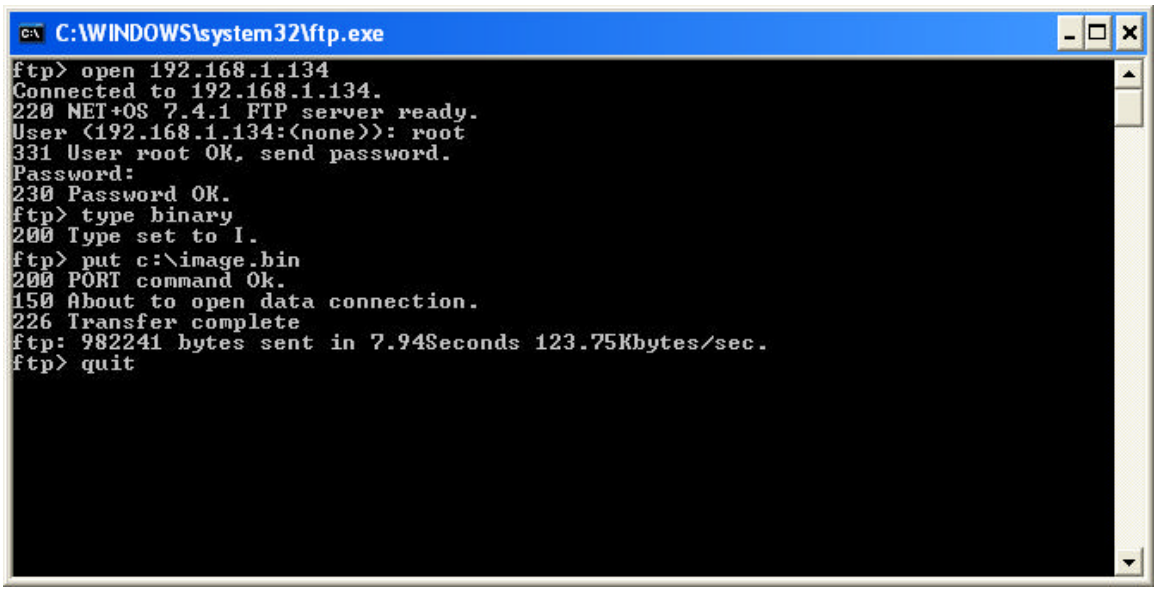
C:\WINDOWS\system32\ftp.exe
ftp> open 192.168.1.134
Connected to 192.168.1.134.
220 NET+OS 7.4.1 FTP server ready.
User (192.168.1.134:(none)): root
331 User root OK, send password.
Password:
230 Password OK.
ftp> type binary
200 Type set to I.
ftp> put c:\image.bin
200 PORT command Ok.
150 About to open data connection.
226 Transfer complete
ftp: 982241 bytes sent in 7.94Seconds 123.75Kbytes/sec.
ftp> quit