

# **Network Interface Card Firmware Upgrades for UXIME and UXTM**

## Upgrade Procedures Guide

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590-2113-501B/SL-29428\_rev3-19/4200-127

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## Upgrading the Firmware on the XPORT-04 and XPORT-05 Network Interface Card

The UXIMe and UXTM monitors are equipped with an embedded Lantronix XPORT device for network communication. There is one of two possible versions of the XPORT device installed. Use this guide to upgrade the firmware in the following supported network cards:

- XPORT-04
- XPORT-05

The XPORT-04 and XPORT-05 network firmware is installed using TFTP commands. For ease of upgrade these commands are executed from an Upload.bat batch file. If the TFTP and Telnet clients are not enabled on your PC, see [Enabling TFTP and Telnet Clients in Windows 7 and 10](#).

### To upgrade the firmware in the network card:

1. Check the version of network card installed in your monitor. You will need this information to determine what upgrade files to send to the card. See [Check the XPORT Network Card Version](#) for more information.
2. Download the latest firmware upgrade files from the [Monitoring Product Downloads](#) page on VertivCo.com.
3. Unzip the folder and extract the files to your local drive.  
**NOTE:** You can check the firmware revision level by opening the Version.txt file in the downloaded folder.
4. Open the folder and right-click the *Upload.bat* file.
5. Click *Edit* to open the file for editing. Notice that the file contains commands for both XPORT-04 and XPORT-05 network cards.

#### Sample Upload.bat File Content

```
TFTP -i xxx.xxx.xxx.xxx PUT web6.cob WEB6  
TFTP -i xxx.xxx.xxx.xxx PUT web5.cob WEB5  
TFTP -i xxx.xxx.xxx.xxx PUT web4.cob WEB4  
TFTP -i xxx.xxx.xxx.xxx PUT web3.cob WEB3  
TFTP -i xxx.xxx.xxx.xxx PUT web2.cob WEB2  
TFTP -i xxx.xxx.xxx.xxx PUT web1.cob WEB1  
TFTP -i xxx.xxx.xxx.xxx PUT xport05.rom X9  
TFTP -i xxx.xxx.xxx.xxx PUT xport04.rom X5  
pause
```

6. Delete the command line (TFTP -i XXX.XXX.XXX.XXX PUT xport05.rom X9 or TFTP -i XXX.XXX.XXX.XXX PUT xport04.rom X5) that does not correspond to the hardware version of your network card. For example, in the following example the xport04.rom X5 line is removed to allow upgrade of an XPORT-05 network card.

**Sample Edited Upload.bat File Content**

```
TFTP -i 192.168.1.2 PUT web6.cob WEB6
TFTP -i 192.168.1.2 PUT web5.cob WEB5
TFTP -i 192.168.1.2 PUT web4.cob WEB4
TFTP -i 192.168.1.2 PUT web3.cob WEB3
TFTP -i 192.168.1.2 PUT web2.cob WEB2
TFTP -i 192.168.1.2 PUT web1.cob WEB1
TFTP -i 192.168.1.2 PUT xport05.rom X9
Pause
```

7. Replace the IP address placeholder with the IP address of the monitor equipment being upgraded.
8. Save and close the file after editing is completed.
9. Double-click the *upload.bat* file to run the commands. Each command is displayed on the screen as it is executed and all files should load with a **transfer successful** result as shown in the example below.

```
C:\Downloads\2028-014R00_05>TFTP -i 192.168.1.2 PUT web6.cob WEB6
Transfer successful: 49920 bytes in 4 second(s), 12480 bytes/s
C:\Downloads\2028-014R00_05>TFTP -i 192.168.1.2 PUT web5.cob WEB5
Transfer successful: 65 bytes in 1 second(s), 65 bytes/s
C:\Downloads\2028-014R00_05>TFTP -i 192.168.1.2 PUT web4.cob WEB4
Transfer successful: 62878 bytes in 5 second(s), 12575 bytes/s
C:\Downloads\2028-014R00_05>TFTP -i 192.168.1.2 PUT web3.cob WEB3
Transfer successful: 34884 bytes in 2 second(s), 17442 bytes/s
C:\Downloads\2028-014R00_05>TFTP -i 192.168.1.2 PUT web2.cob WEB2
Transfer successful: 45710 bytes in 3 second(s), 15236 bytes/s
C:\Downloads\2028-014R00_05>TFTP -i 192.168.1.2 PUT web1.cob WEB1
Transfer successful: 58881 bytes in 5 second(s), 11776 bytes/s
C:\Downloads\2028-014R00_05>TFTP -i 192.168.1.2 PUT XPORT05.rom X9
Transfer successful: 131072 bytes in 10 second(s), 13107 bytes/s
```

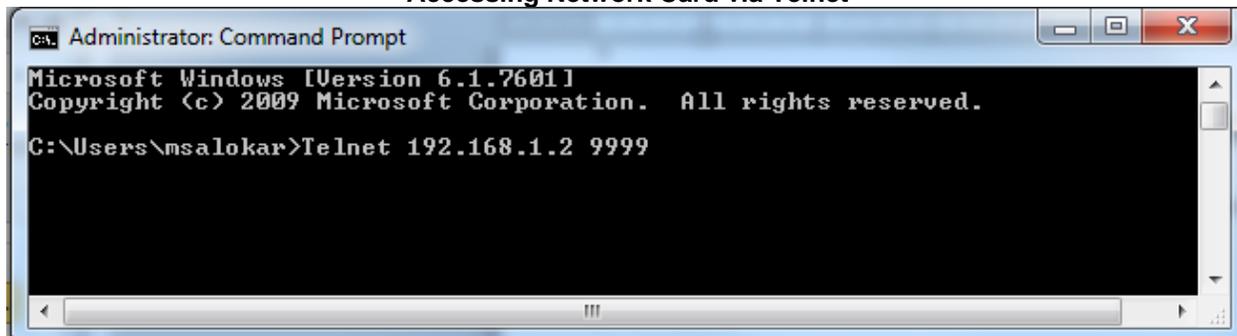
10. Telnet to the monitor and verify that the displayed software version is correct.

## Check the XPORT Network Card Version

To check the network card version:

1. Click *Start - All Programs – Accessories - Command Prompt*.  
-or-  
Search for Command Prompt in Windows 10.
2. Access the Telnet connection by entering **telnet** at the command prompt followed by the IP address of the monitor and then type **9999**. For example, **telnet 192.168.1.2 9999**.

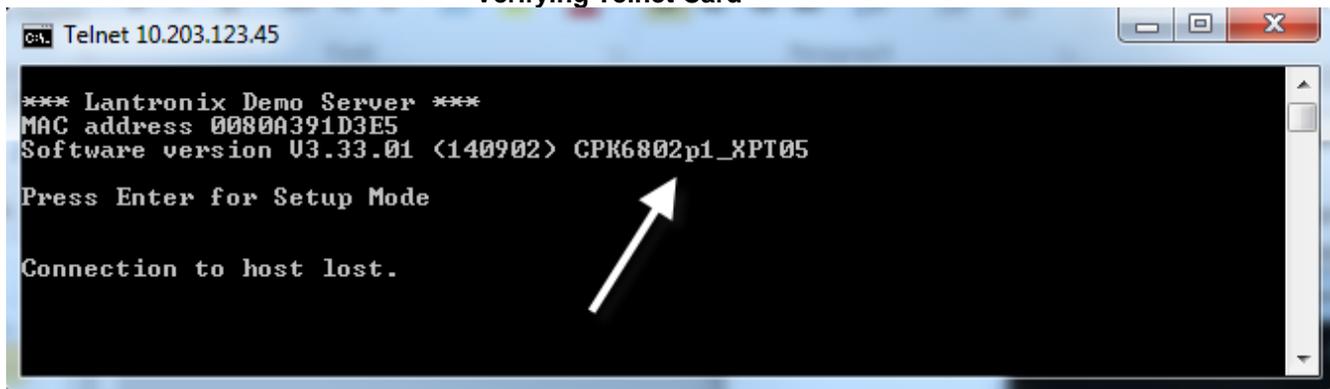
Accessing Network Card via Telnet



**NOTE:** Telnet must be manually enabled in Windows 7 and later.

3. Verify that you have either an XPORT-04 or XPORT-05 network card. If you have an XPORT-05 network card displayed is CPK6802p1\_XPT05 as in the following figure. An XPORT-04 card will display CPK6802p1\_XPTEX.

Verifying Telnet Card



## Enabling TFTP and Telnet Clients in Windows 7 and 10

### To enable the TFTP and Telnet clients:

1. Browse to *Control Panel - All Control Panel Items - Programs and Features*.
2. Click *Turn Windows Features On or Off* on the left pane.
3. Select *TFTP client* and *Telnet client* check boxes and click *OK*. After the progress bar completes, the TFTP and Telnet clients are enabled.

