

SUPPORT

Models supported include PDS-811 and PDS-821

WARRANTY

All products manufactured by ICP DAS are warranted against defective materials for a period of one year from the date of delivery to the original purchaser.

WARNING

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CONTACT Us

If you have any questions, please feel free to contact us. We will respond within 2 working days.

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PDS-8x1 Series

MiniOS7 Update via 7188XW.exe

Version: 1.0/ Updated: Sep. 2018

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ICP DAS CO., LTD.

Website: <http://www.icpdas.com>

1. Setting up the PDS-8x1

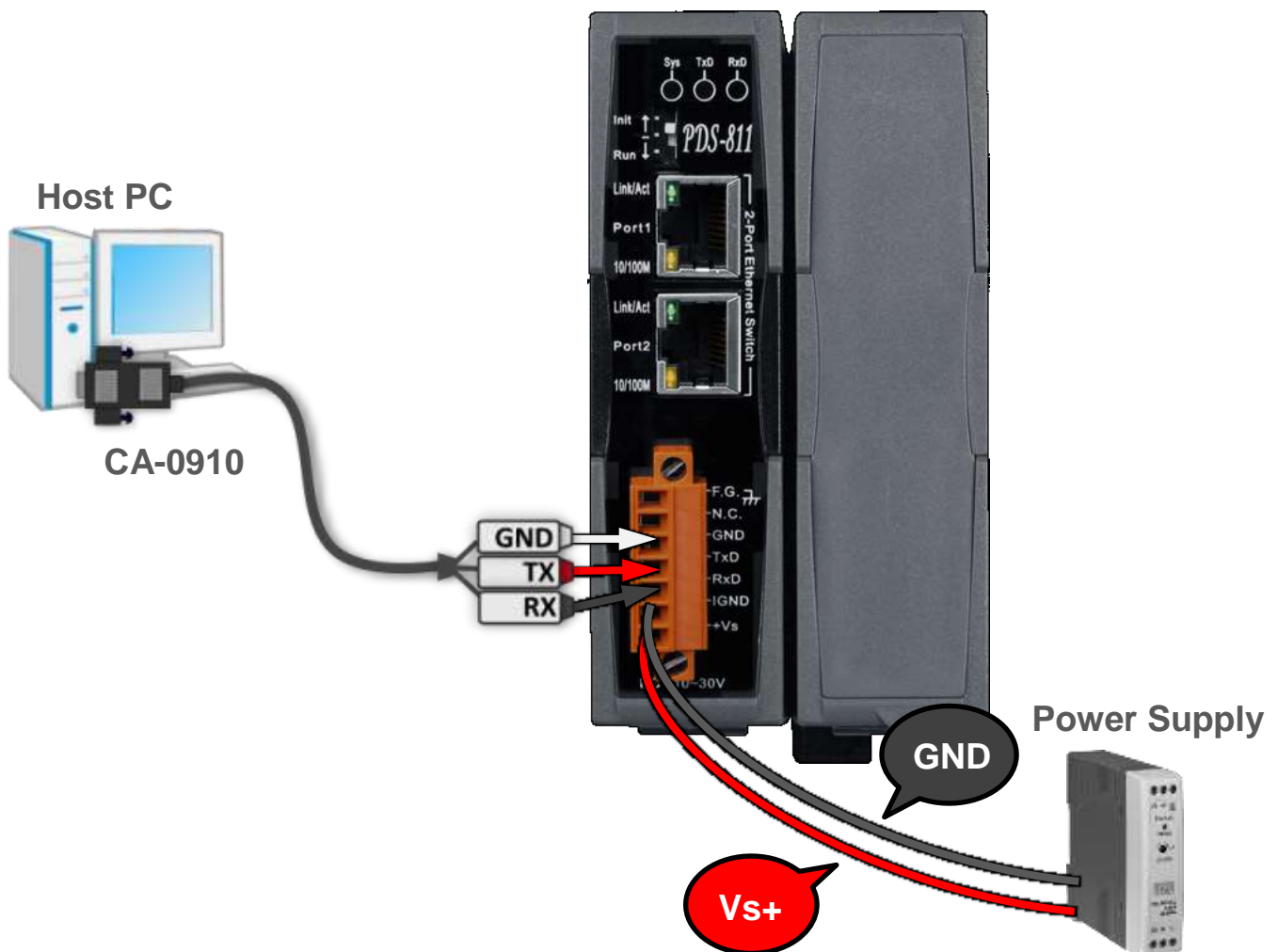
Before updating the MiniOS7, please ensure that the PDS-8x1 module is connected with your host computer. Refer to the following steps for the details.

Step 1: Switch off the Power to the PDS-8x1 module.

Step 2: Connect the DB-9 connector of CA-0910 download cable to your host computer.

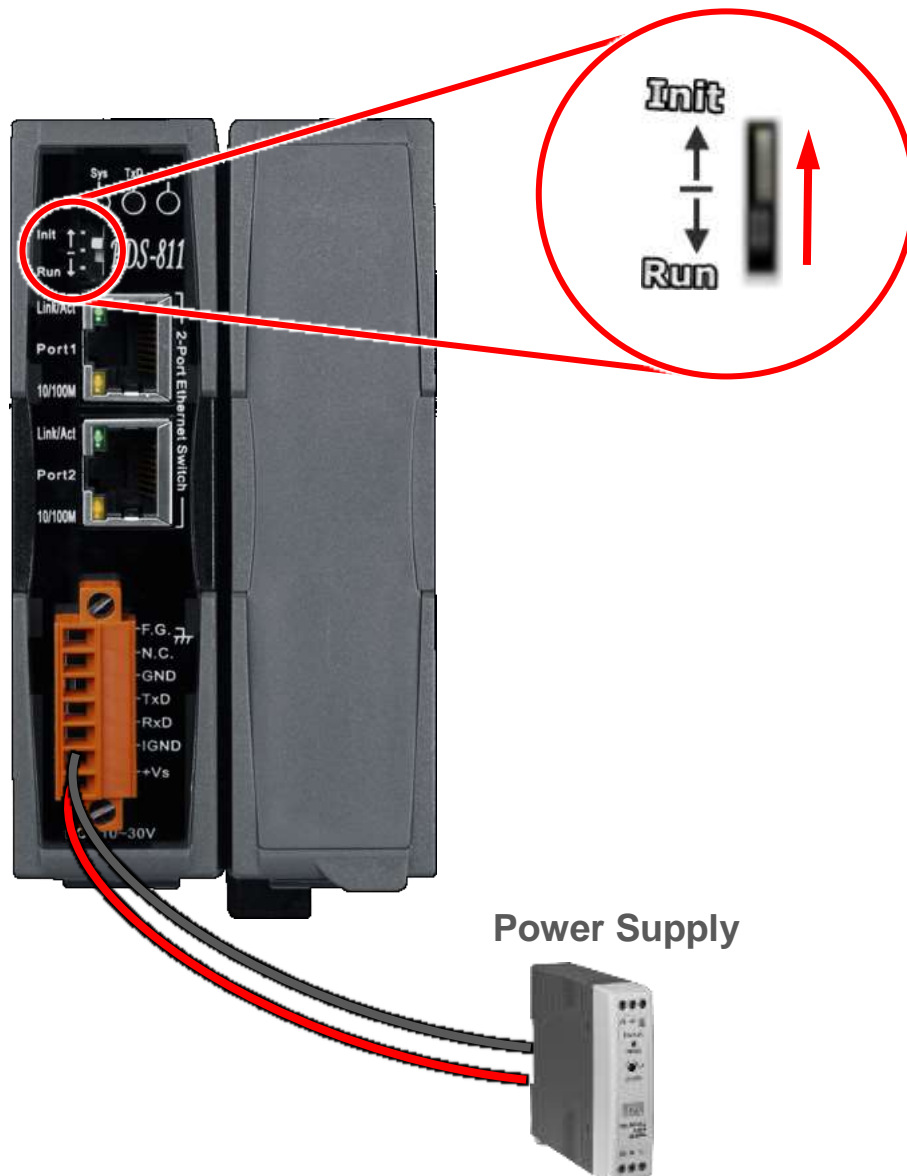
Step 3: Wire the CA-0910 to PDS-8x1 module, as follows:

- 3-1: Connect the [CA-0910.TX](#) with [PDS.8x1.TxD](#)
- 3-2: Connect the [CA-0910.RX](#) with [PDS.8x1.RxD](#)
- 3-3: Connect the [CA-0910.GND](#) with [PDS.8x1.GND](#)



Step 4: Set the “Init/Run Switch” on the PDS-8x1 module to the in “Init” position to initiate the update.

Step 5: **Switch on** the Power to the PDS-8x1 module.



2. MiniOS7 Update Procedure

Step 1: Download the MiniOS7 File of PDS-8x1 module and then decompress it to a temp folder, for example P824A-UDP-xxxxxxx.



[Download the MiniOS7 OS Image File.](#)

The PDS-8x1 MiniOS7 OS image file is compressed in Zip format. You can decompress the zip file by 7-Zip, WinZip, WinRAR... utilities.

Step 2: Modify COM Port number in 7188xw.ini file, depend on your PC COM Port that connect to PDS-8x1.

For Example (first parameter of the line 1 in the 7188xw.ini)

COM1 ==> C1 B115200 P0 D8 S1

COM2 ==> C2 B115200 P0 D8 S1

Double Click

1

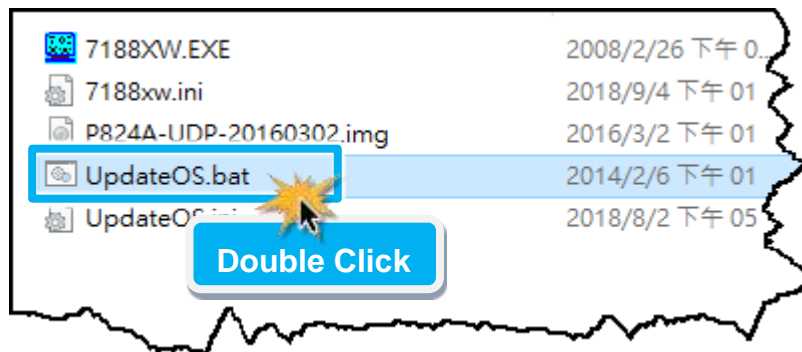
2

3

Select the "Save" item from the "File" menu to save the new configuration.

C: COM Port (e.g. C7) → Modify this item.
B: Baud Rate (e.g. B115200)
P: Parity (e.g. P0)
D: Data Bits (e.g. D8)
S: Stop Bits (e.g. S1)

Step 3: Double click the UpdateOS.bat for starting update.



Step 4: You are now ready to update the MiniOS7, the UpdateOS.bat file will auto run the 7188XW.exe utility program and shows the progress of the update.

Step 5: The 7188XW.exe utility program will then upload the MiniOS7 file (P824A-UDP-xxxxxxx.img) into PDS-8x1 module automatically. If the update cannot proceed, please refer to note1 (Page 8).

Note: Some more information are displayed out of the window, don't care.

```
cmd 7188XW 1.36 [COM7:115200,N,8,1],FC=0,CTS=0, DIR=C:\Users\RD1-Tammy\Desktop\PDS-8x1\OS_image\P824A-UDP-20160302
92.168.255.1
Set IP=192.168.255.1
[ReadBack]IP=192.168.255.1
P824A_UDP>Mask 255.255.0.0
Set MASK=255.255.0.0
[ReadBack]MASK=255.255.0.0
P824A_UDP>Gateway 192.168.0.1
Set GATEWAY=192.168.0.1
[ReadBack]Gateway=192.168.0.1
P824A_UDP>UPLOAD
Press ALT E to download file!
Load file:P824A-UDP-20160302.img[crc=2C07,0000]
Send file info. total 256 blocks
Block 72
```

**MiniOS7 update begins.
Please do not close this window in
update process.**

Step 6: The MiniOS7 updated completed when display [End file xxxx] and [End of Key Thread.] message. Then click the “X” icon on the right-top corner of the windows to close it.

```
7188XW 1.36 [COM7:115200,N,8,1],FC=0,CTS=0, DIR=C:\Users\RD1-Tammy\Desktop\PDS-8x1\OS_image\P824A-UDP-20160302
Erase Flash [F000]
Write Flash
[FF]
<<Write Finished>>OK
Wait WDT reset system...
ICP_DAS MiniOS7 for I-P824A Ver. 2.06 build 010,Mar 02 2016 13:13:09
OS id=23
SRAM:640K, FLASH MEMORY:512K
[CPU=RDC 1120]
CPU internal WDT is ENABLED(WDT timeout=0.8 sec)

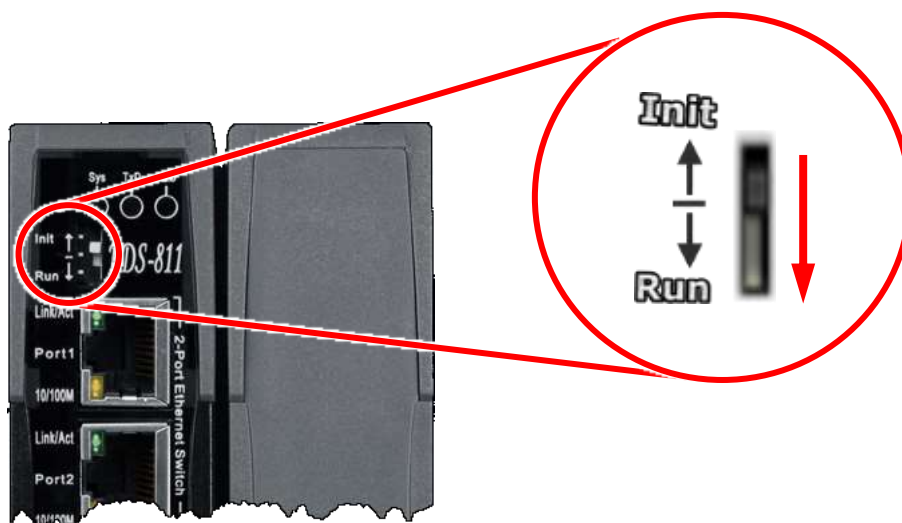
P824A_UDP>ver

ICP_DAS MiniOS7 for I-P824A Ver. 2.06 build 010,Mar 02 2016 13:13:09
OS id=23
SRAM:640K, FLASH MEMORY:512K
[CPU=RDC 1120]
CPU internal WDT is ENABLED(WDT timeout=0.8 sec)

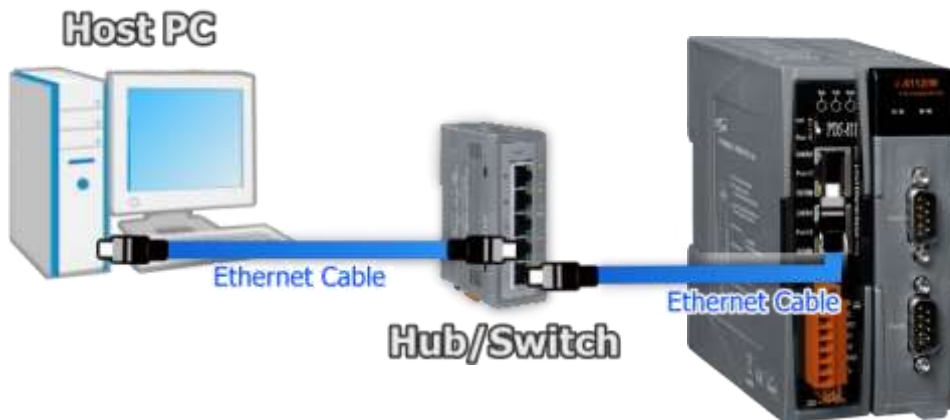
P824A_UDP>IP
IP=192.168.255.1
P824A_UDP>Mask
MASK=255.255.0.0
P824A_UDP>Gateway
Gateway=192.168.0.1
P824A_UDP>
[End file 260]
[End of Key Thread.]
C:\Users\RD1-Tammy\Desktop\PDS-8x1\OS_image\P824A-UDP-20160302>pause
請按任意鍵繼續 . . .
```

Step 7: Set the “Init/Run Switch” on the PDS-8x1 module to the in “Run” position.

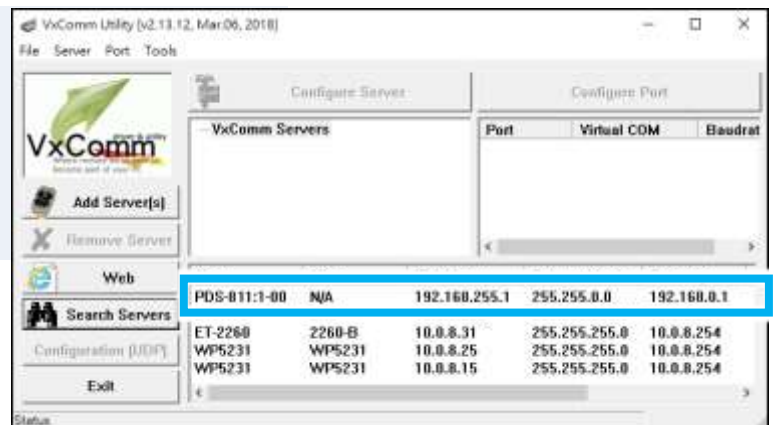
Step 8: Switch off the Power to the PDS-8x1 module and then switch it back on again to rebbot the module to “Run” operation.



Step 9: Connect both the PDS-8x1 module and your computer to the same sub network or the same Ethernet Switch.

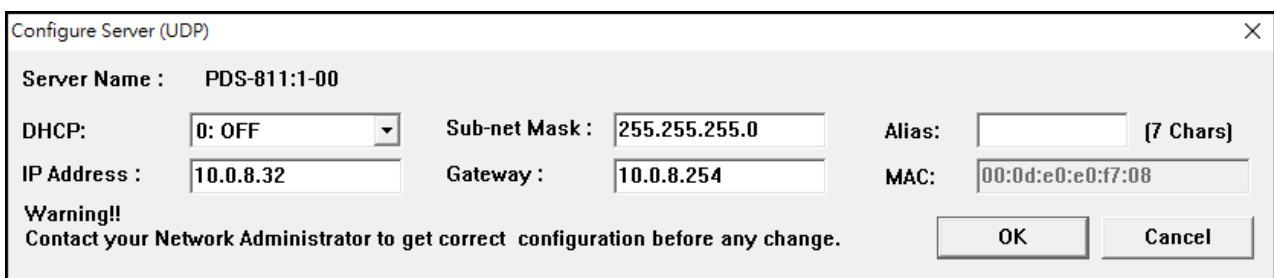


Step 10: Install the VxComm Utility on your Host PC, and then run the Utility to search for any PDS-8x1 module connected to the network.



[Download the VxComm Utility.](#)

Step 11: Configure the correct network settings for the required PDS-8x1 module.



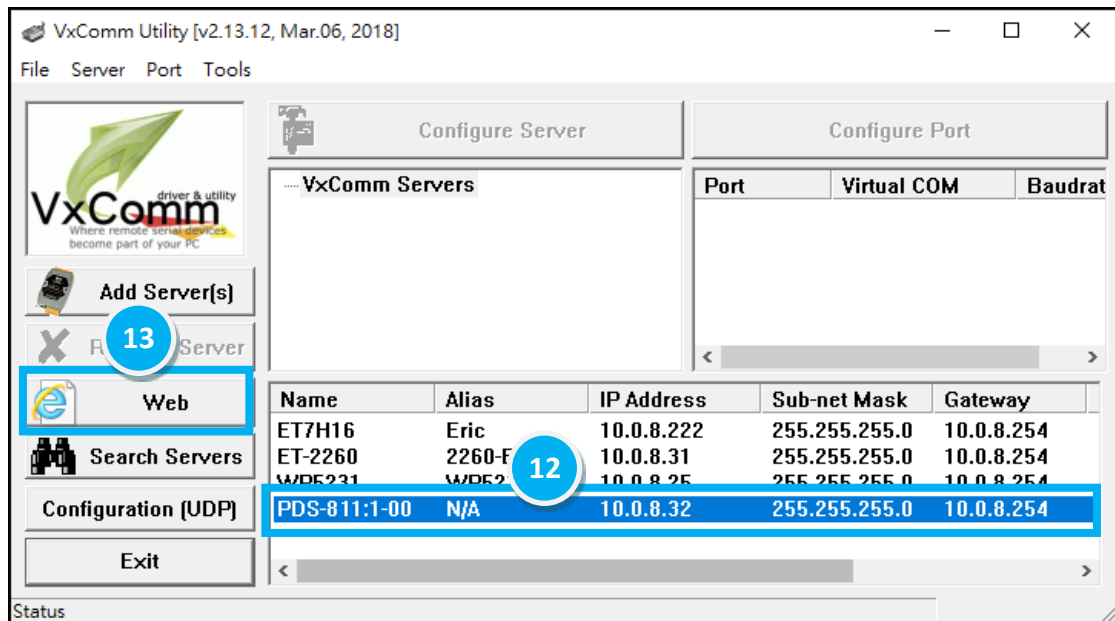
Please refer to “Chapter 3-Configuring Network Settings” in the PDS-8x1 Quick Start Guide. If the IP address settings do not work correctly, please refer to **note2 (Page 8)**.



[Download the Quick Start Guide.](#)

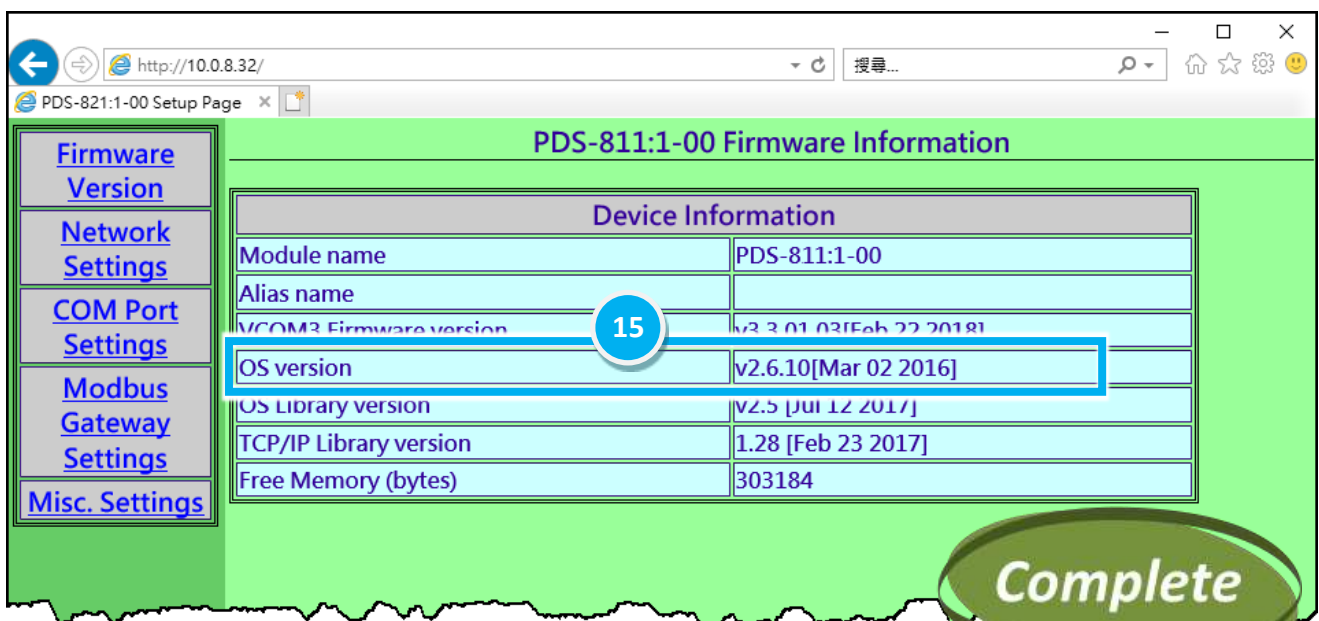
Step 12: Click the name of the PDS-8x1 module.

Step 13: Click the "Web" button.




Step 14: Log in to the web configuration pages for the PDS-8x1.


Step 15: Verify that the OS version and date details are correct.




3. Additional Information

Notes:

 **Note 1:** Make sure the 7188XW.exe and UpdateOS.bat program files exist on the same folder. If not, update MiniOS7 can't be successful. [back](#)

 **Note 2:** If the IP address settings do not work correctly (e.g. there is no response to a ping command), please contact your network administrator to obtain a valid IP address for the PDS-8x1 module. [back](#)

 **Note 3:** 7-Zip—Free Archiving (Compress and Decompress) Utility
7-Zip is a free archiving utility, you can get it from the following web:
<http://www.7-zip.org/>