PDS-8x1 Series

Firmware Update via 7188XW.exe

Version: 1.0/ Updated: Sep. 2018

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.

Email: service@icpdas.com ; service.icpdas@gmail.com

Ch. 1. Setting up the PDS-8x1
Ch. 2. Firmware Update Procedure
Ch. 3. Additional Information

ICP DAS CO., LTD.
Website: http://www.icpdas.com
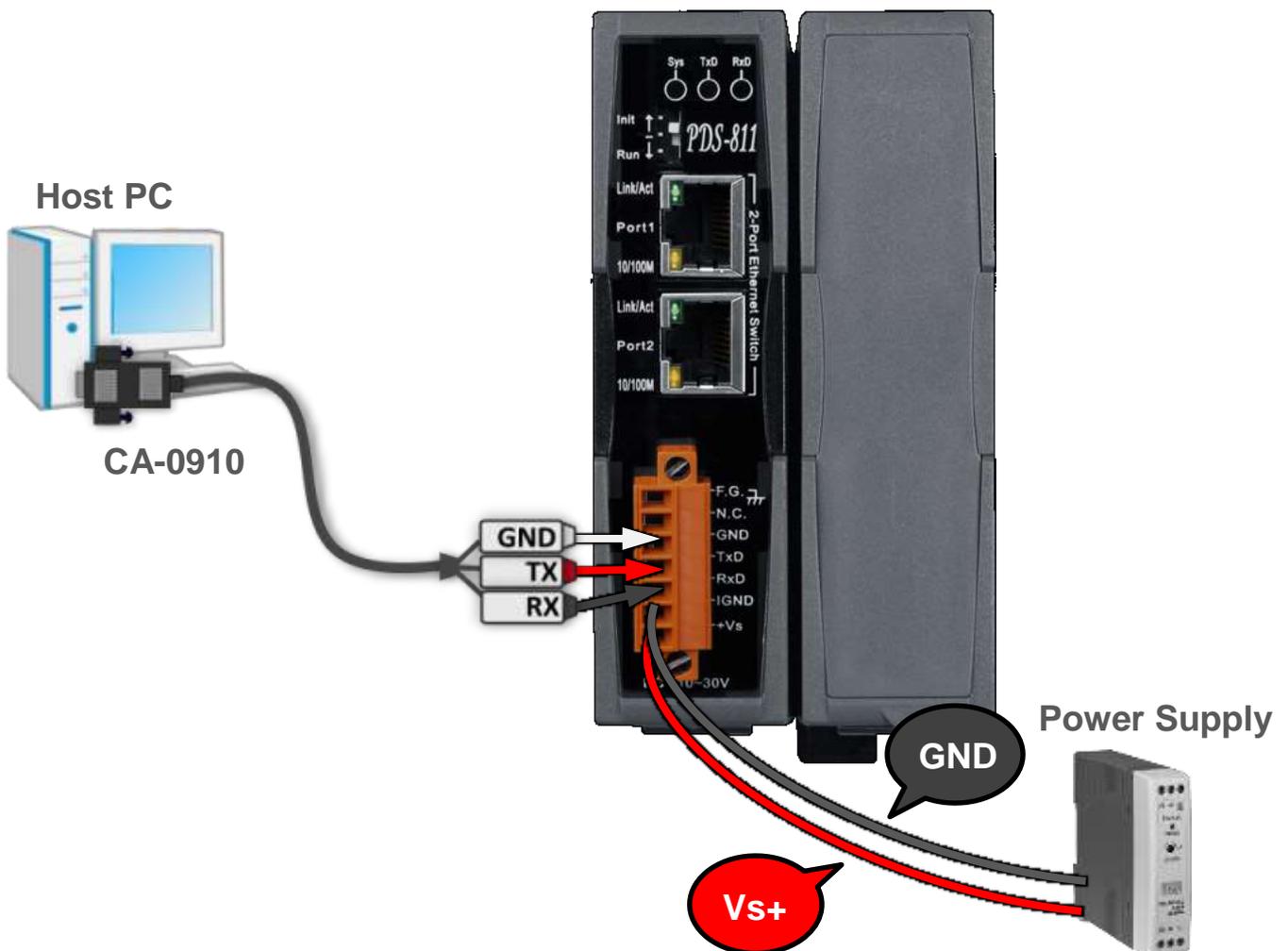
1. Setting up the PDS-8x1

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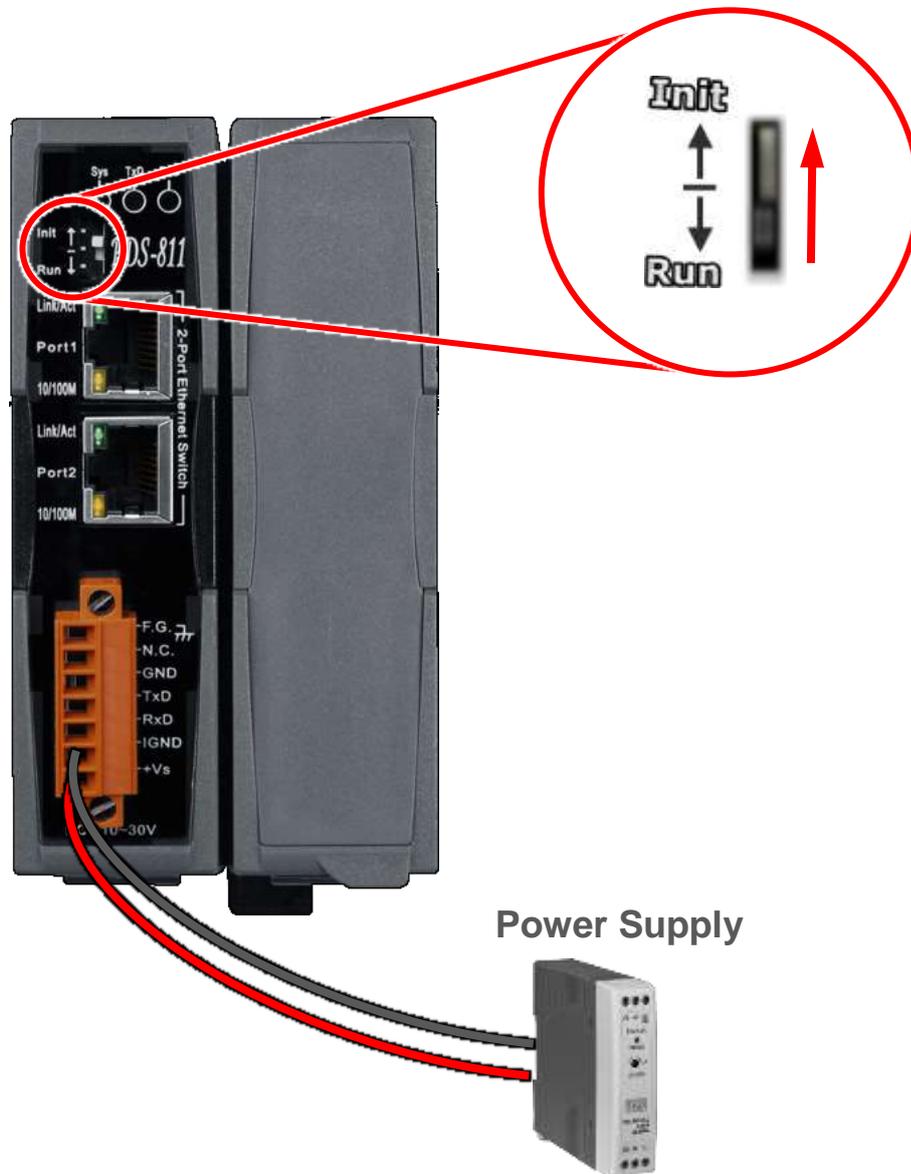
Step 3: Wire the CA-0910 to PDS-8x1 module, as follows:

      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.

Power Supply

2.Firmware Update Procedure

Step 1: Download the Firmware File of PDS-8x1 module and then decompress it to a temp folder, for example PDS800fw.

[Download the Firmware File.](#)

The PDS-8x1 firmware and autoexec.bat files are 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)
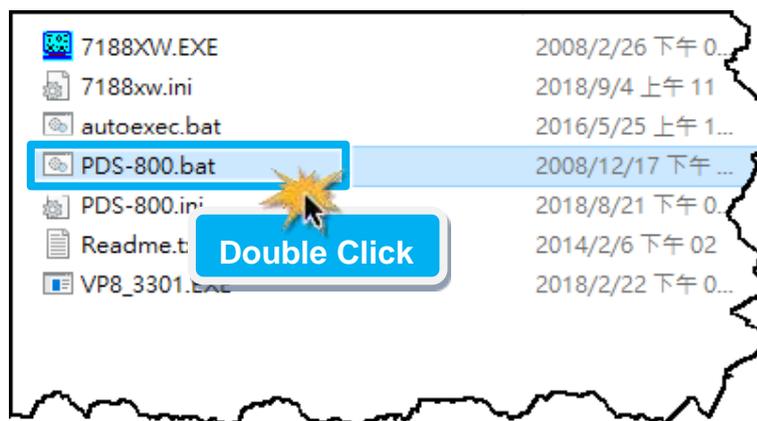
COM1 ==> C1 B115200 P0 D8 S1

COM2 ==> C2 B115200 P0 D8 S1

Double Click

1

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

3

7188XW.E.	2008/2/26
7188xw.ini	2018/9/4 上午 1
autoexec.bat	2016/5/25 上午
PDS-800.bat	2008/12/17 下
PDS-800.ini	
Readme.txt	
VP8_3301.EXE	

7188xw.ini - Notepad

File   Edit   Format   View   Help

`C7 B115200 P0 D8 S1`

r

w25

2

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.ge. S1)

Step 3: Double click the PDS-800.bat for starting update.

7188XW.EXE	2008/2/26 下午 0...	
7188xw.ini	2018/9/4 上午 11	
autoexec.bat	2016/5/25 上午 1...	
PDS-800.bat	2008/12/17 下午 ...	
PDS-800.ini	2018/8/21 下午 0...	
Readme.t	2014/2/6 下午 02	
VP8_3301.EXE	2018/2/22 下午 0...	

Double Click

Step 4: You are now ready to update the firmware. The PDS-800.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 firmware and autoexec.bat files into PDS-8x1 module automatically. If the update cannot proceed, please refer to note1 (Page 8).


```
7188XW 1.36 [COM7:115200,N,8,1],FC=0,CTS=0, DIR=C:\Users\RD1-Tammy\Desktop\PDS-8x1\Firmware\PDS800fw_180222\PDS800fw

C:\Users\RD1-Tammy\Desktop\PDS-8x1\Firmware\PDS800fw_180222\PDS800fw>7188xw /RPDS-800.ini

7188x for WIN32 version 1.36 (2008/02/26)[By ICP DAS. Tim Tsai.]
[Begin Key Thread...]Current set: Use COM7 115200,N,8,1
AutoRun:
Autodownload files: None
Current work directory="C:\Users\RD1-Tammy\Desktop\PDS-8x1\Firmware\PDS800fw_180222\PDS800fw"
original baudrate = 1200!
now baudrate = 115200!
del /y
Total File number is 2, do you really want to delete(y/n)?

P824A_UDP>LOAD
File will save to 8000:0000
StartAddr-->7000:FFFF
Press ALT_E to download file!
Load file:vp8_3301.exe[crc=EF38,0000]
Send file info. total 365 blocks
Block 104_
```
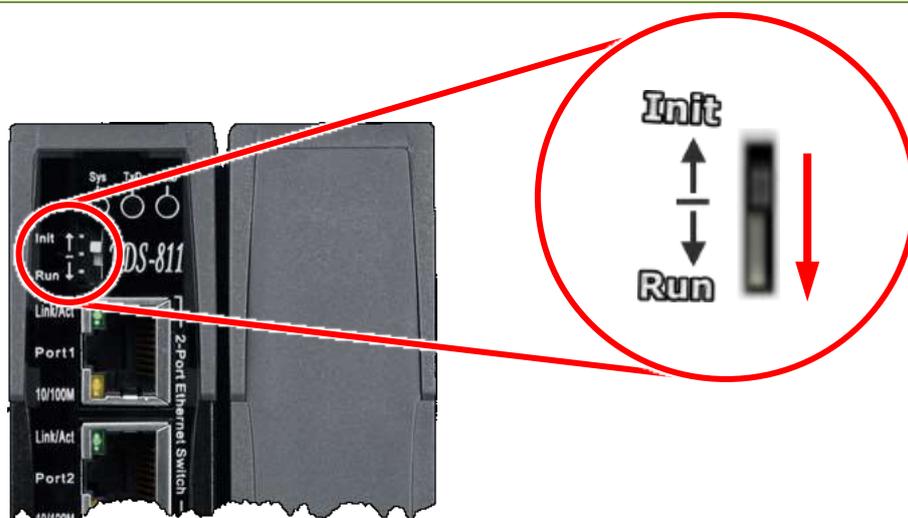
Starting update

Step 6: The Firmware update completed when disply [End file xxx] message. Then click the "X" icon on the right-top corner of the windows to close it.
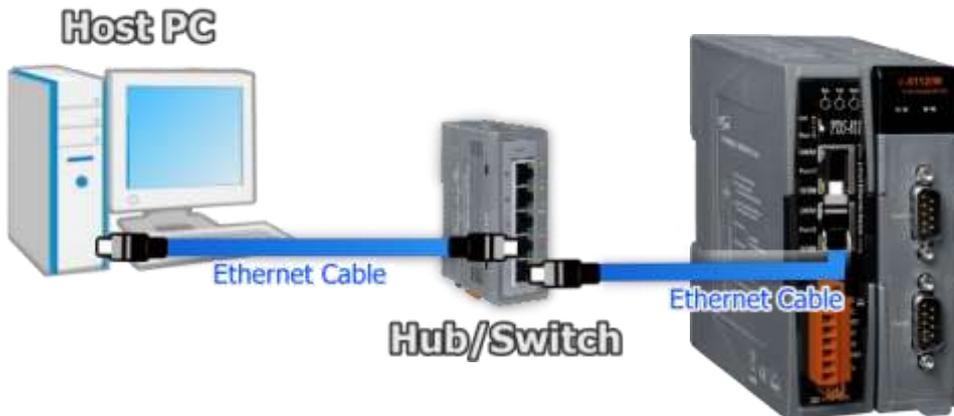
```
7188XW 1.36 [COM7:115200,N,8,1],FC=0,CTS=0, DIR=C:\Users\RD1-Tammy\Desktop\PDS-8x1\Firmware\PDS800fw_180222\PDS800fw    —    □    ✕

Transfer time is: 17.625000 seconds

P824A_UDP>LOAD
File will save to 96CF:0004
StartAddr-->9000:6CF3
Press ALT_E to download file!
Load file:autoexec.bat[crc=E6FB,0000]
Send file info. total 1 blocks
Block 1
Transfer time is: 0.078000 seconds

P824A_UDP>type autoexec.bat
runexe

P824A_UDP>autoexec.bat
config=RESET

Vcom3301>com 0=9600 8 N 1
COM 1=9600,8,N,1. connect=0
Vcom3301>original baudrate = 115200!
now baudrate = 9600!

Current baud rate is 9600
original baudrate = 9600!
now baudrate = 115200!

Current baud rate is 115200

[End file 272]
```

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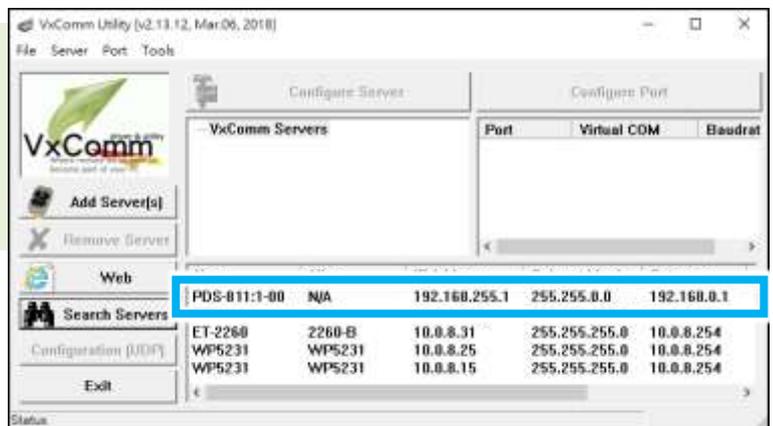
Step 9: Connect both the PDS-8x1 module and your computer to the same sub network or the same Ethernet Switch.
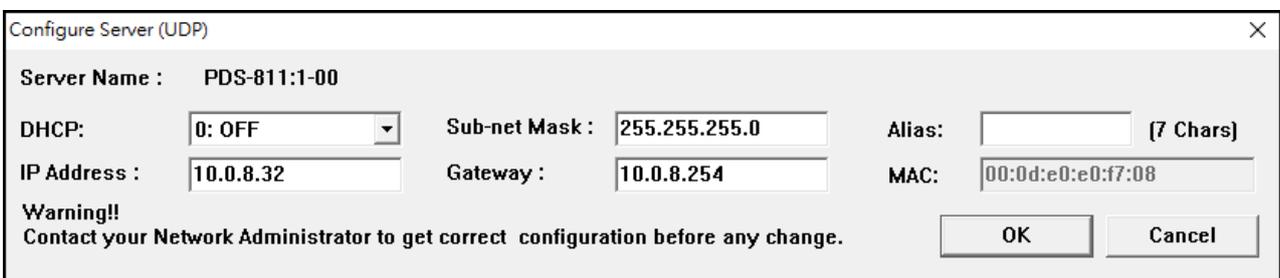

Step 10: Install the VxComm Utility on your Host PC, and then run the Utility to search for any PDS-8x1 module connected to the nework.

Download the VxComm Utility.

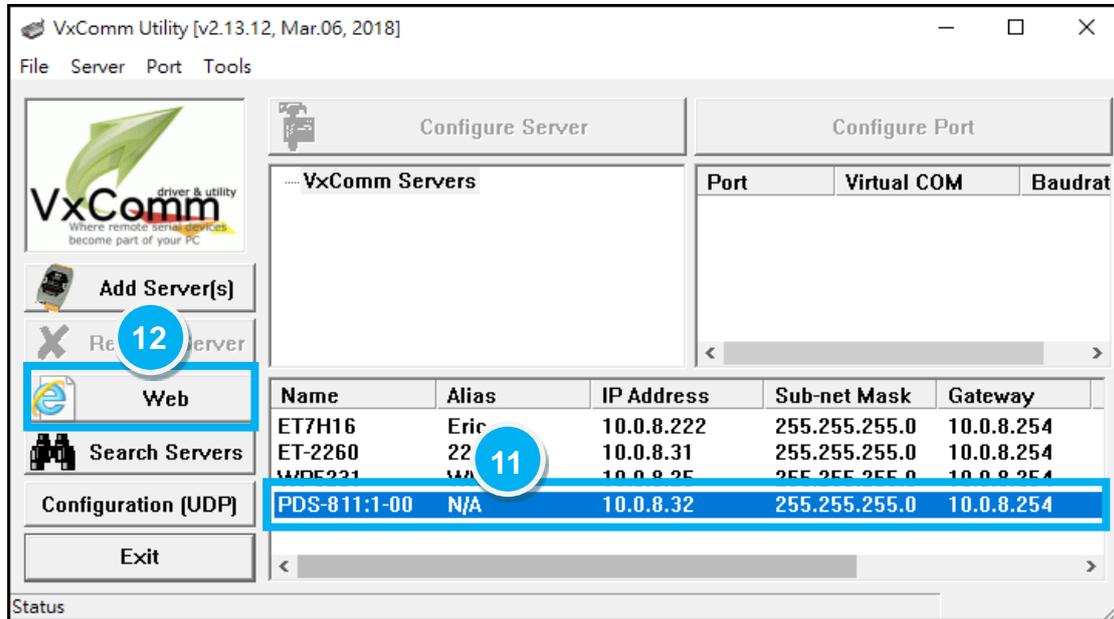**Step 11: Configure the correct network settings for the required PDS-8x1 module.**

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)**.
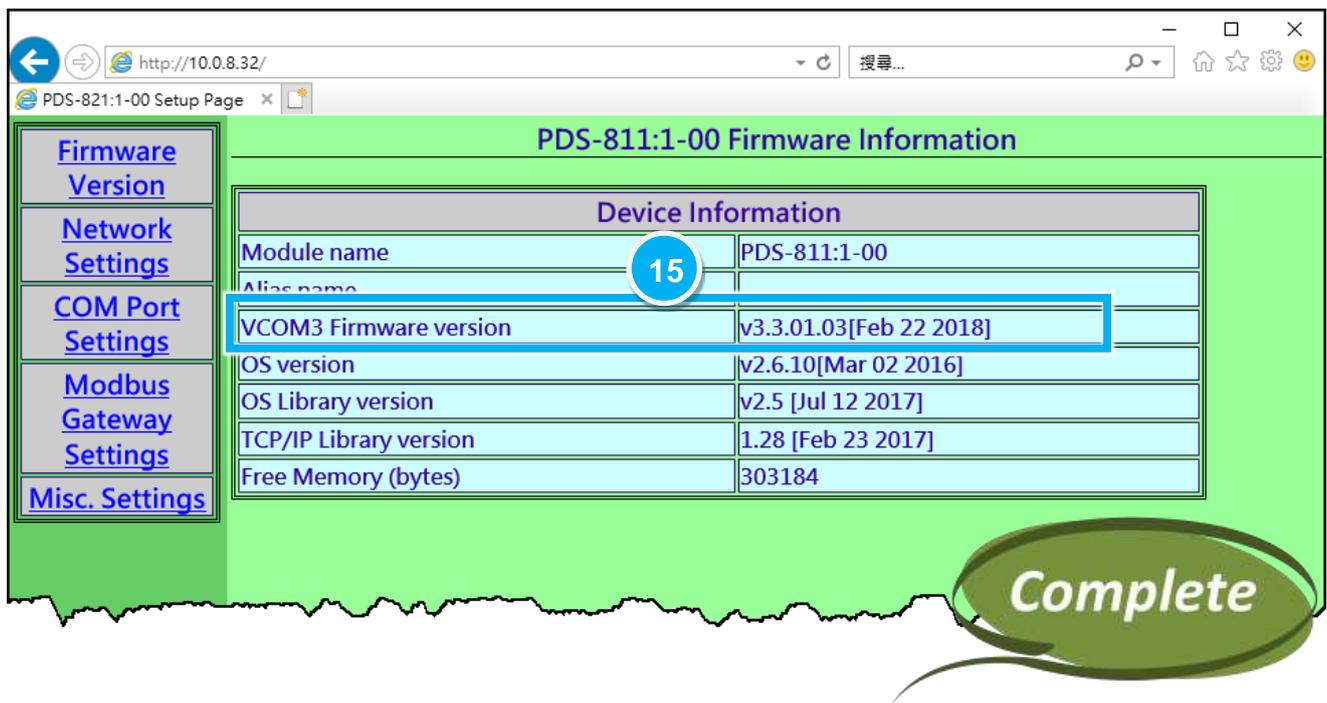
Download the Quick Start Guide.

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 firmware version and date details are correct.

3. Additional Information

Notes:

⚠ **Note 1:** Make sure the 7188XW.exe and autoexec.bat program files exist on the same folder. If not, update firmware 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/