

SUPPORT

Models supported include

PDS-700 Series:

PDS(M)-720(D), PDS(M)-721(D), PDS(M)-734(D),
PDS(M)-742(D), PDS(M)-743(D), PDS(M)-752(D),
PDS(M)-755(D), PDS(M)-762(D), PDS(M)-782(D),
PDS-782(D)-25.

PPDS-700-MTCP Series:

PPDS-720(D)-MTCP, PPDS(M)-721(D)-MTCP,
PPDS(M)-732(D)-MTCP, PPDS(M)-734(D)-MTCP,
PPDS(M)-742(D)-MTCP, PPDS(M)-743(D)-MTCP,
PPDS(M)-752(D)-MTCP, PPDS(M)-755(D)-MTCP,
PPDS(M)-762(D)-MTCP, PPDS(M)-782(D)-MTCP

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-700 Series

Firmware Update via 7188XW.exe

Version: 1.1/ Updated: Aug. 2018

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ICP DAS CO., LTD.

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

1. Setting up the PDS-700

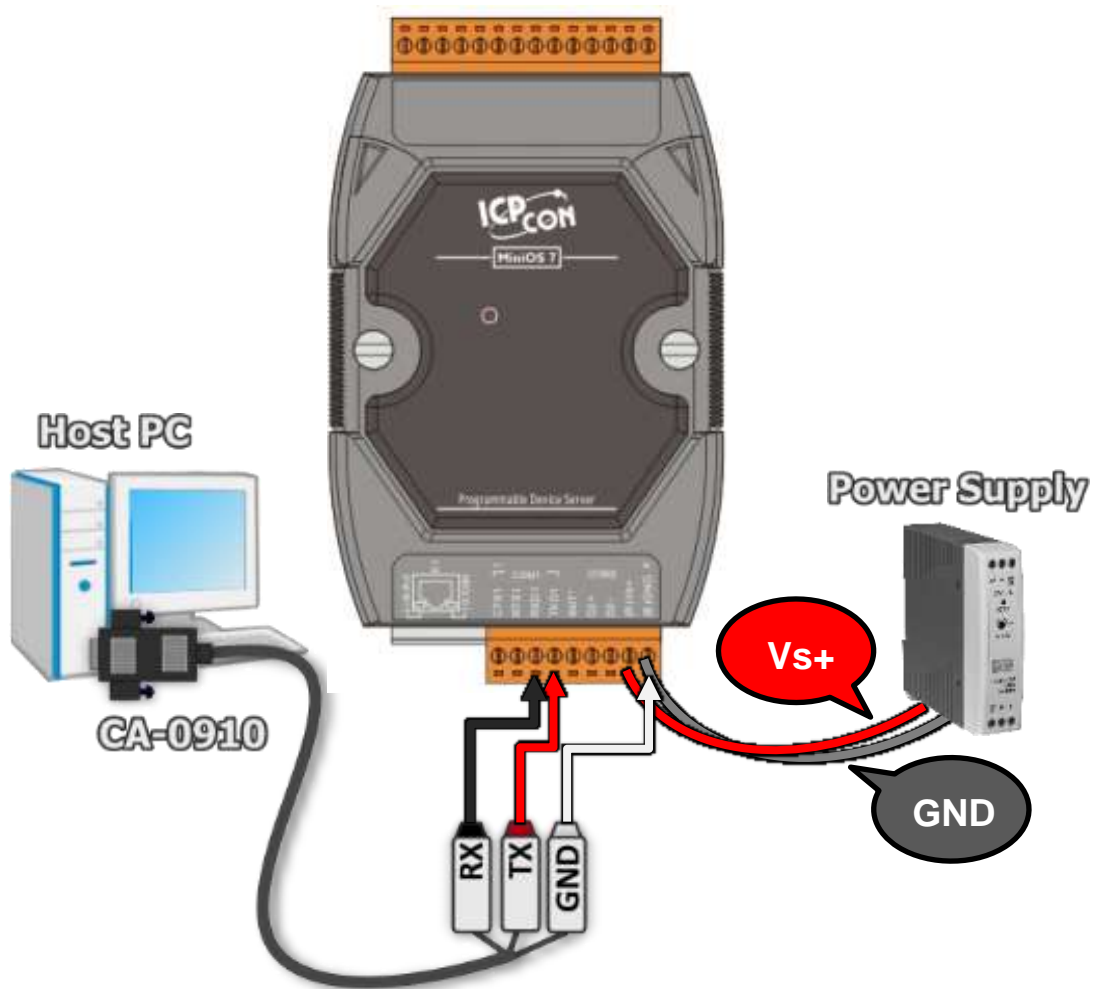
Before updating the firmware, please ensure that the PDS-700 module is connected with your host computer. Refer to the following steps for the details.

Step 1: **Switch off** the Power to the PDS-700 module.

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

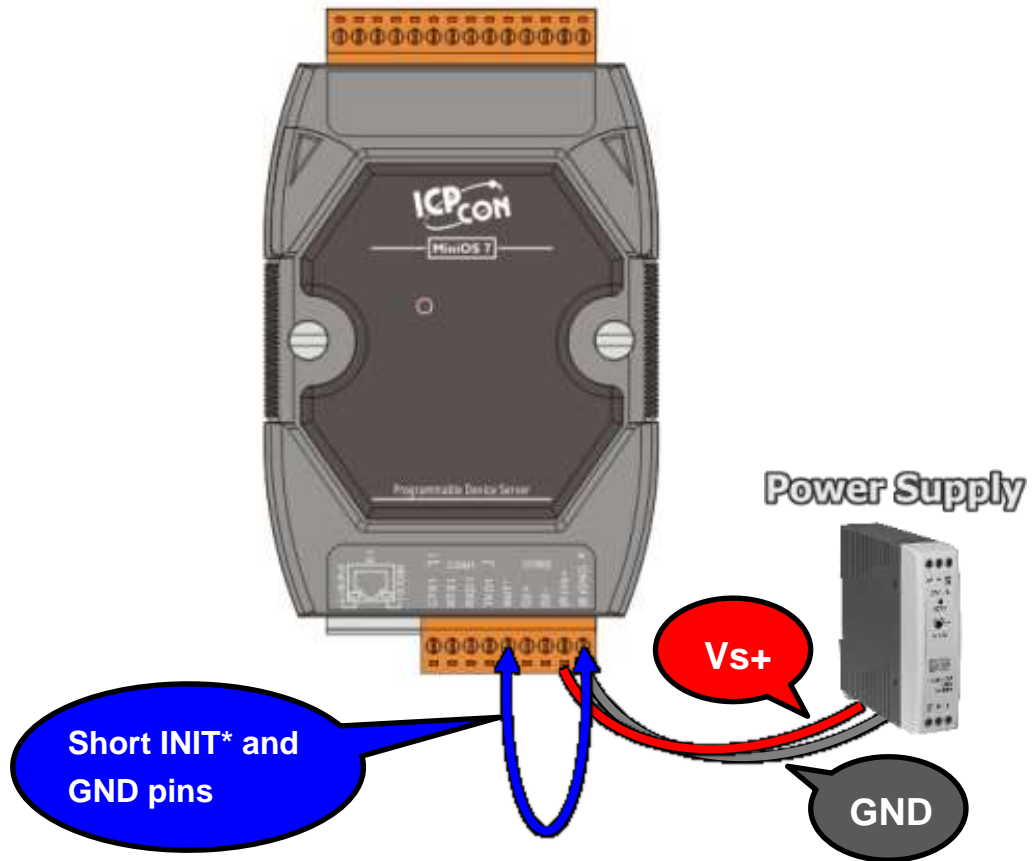
Step 3: Wire the CA-0910 to PDS-700 module, as follows:

- 3-1: Connect the [CA-0910.TX](#) with [PDS.700.TxD1](#)
- 3-2: Connect the [CA-0910.RX](#) with [PDS.700.RxD1](#)
- 3-3: Connect the [CA-0910.GND](#) with [PDS.700.GND](#)



Step 4: Short the INIT* and GND pins of the PDS-700 module in “Init” to initiate the update.

Step 5: Switch on the Power to the PDS-700 module.



2. Firmware Update Procedure

Step 1: Download the Firmware File of PDS-700 module and then decompress it to a temp folder, for example PDS700fw.



[Download the Firmware File.](#)

The PDS-700 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-700.

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

COM1 ==> C1 B115200 P0 D8 S1

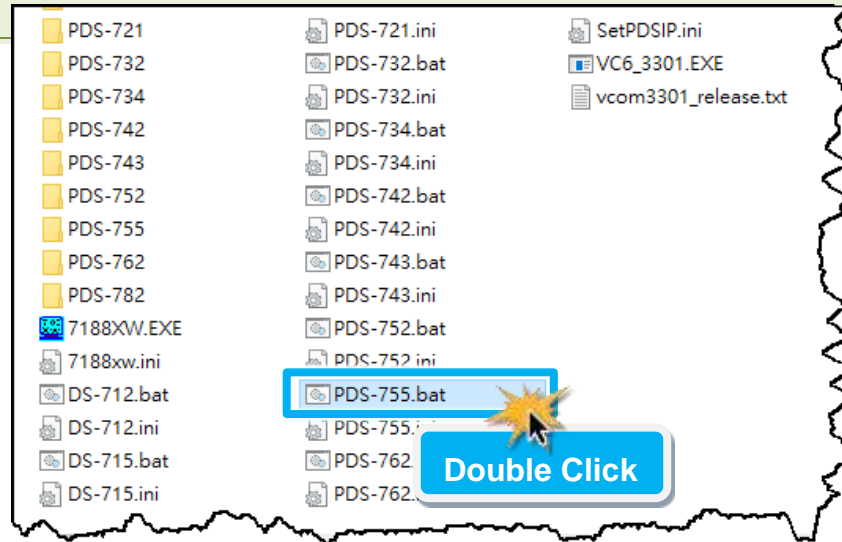
COM2 ==> C2 B115200 P0 D8 S1

1 Double Click

2 C: COM Port (e.g. C11) → 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)

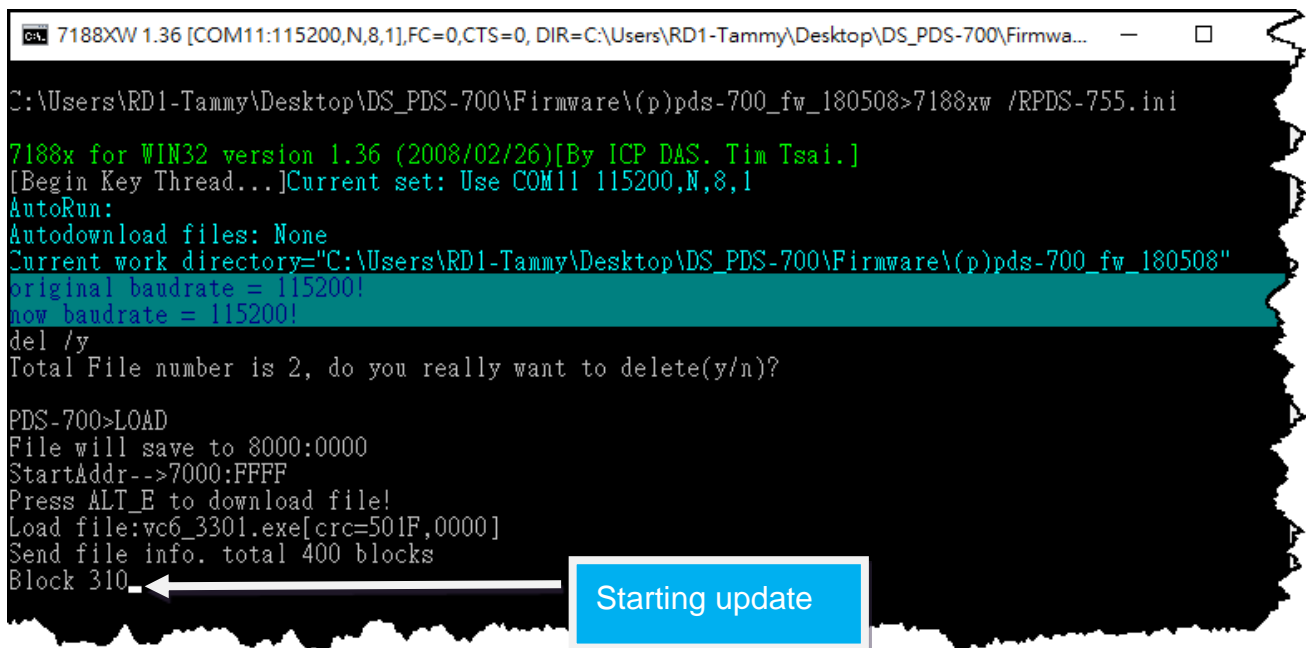
3 Select the "Save" item from the "File" menu to save the new configuration.

Step 3: Double click the **PDS-7xx.bat** for starting update. The **PDS-7xx.bat** file is depending on model name of your PDS-700 module. Refer to **note1 (Page 8)** for more details. (e.g. PDS-755.bat.)



Step 4: You are now ready to update the firmware. The **PDS-7xx.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-700 module automatically. If the update cannot proceed, please refer to **note2 (Page 8)**.



Step 6: The Firmware update completed when display [End file xxx] message. Then click the "X" icon on the right-top corner of the windows to close it.

```
7188XW 1.36 [COM11:115200,N,8,1],FC=0,CTS=0, DIR=C:\Users\RD1-Tammy\Desktop\DS_PDS-700\Firmwa...
755"
AutoRun:
Autodownload files: None

PDS-700>LOAD
File will save to 98FE:0000
StartAddr-->9000:8FDF
Press ALT_E to download file!
Load file:autoexec.bat[crc=52BB,0000]
Send file info. total 1 blocks
Block 1
Transfer time is: 0.062000 seconds

PDS-700>type autoexec.bat
runexe /nPDS-755

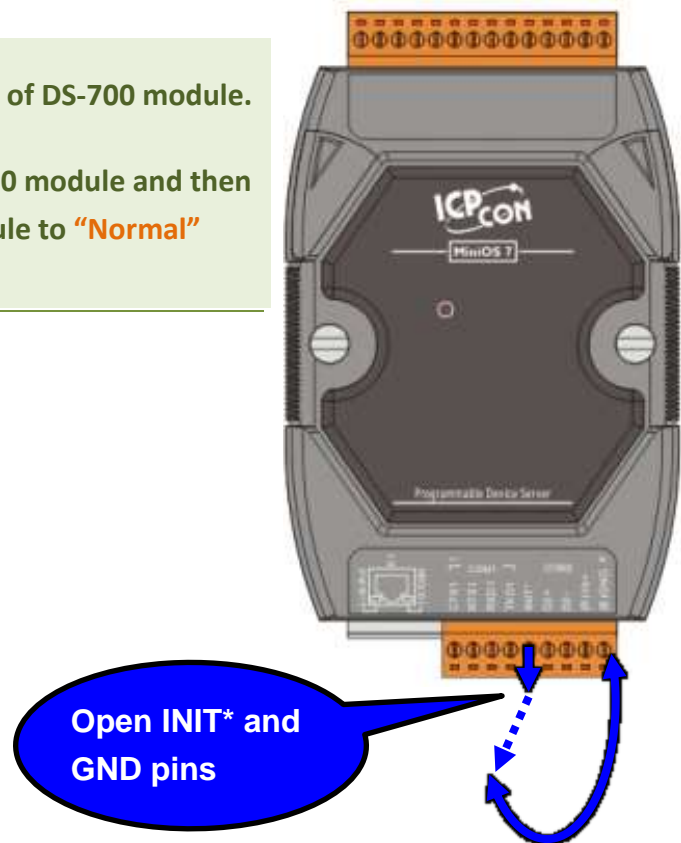
PDS-700>autoexec.bat
config=RESET
original baudrate = 115200!
now baudrate = 9600!

Current baud rate is 9600
兎鐵 救x>窶邵 譚禿<original baudrate = 9600!
now baudrate = 115200!

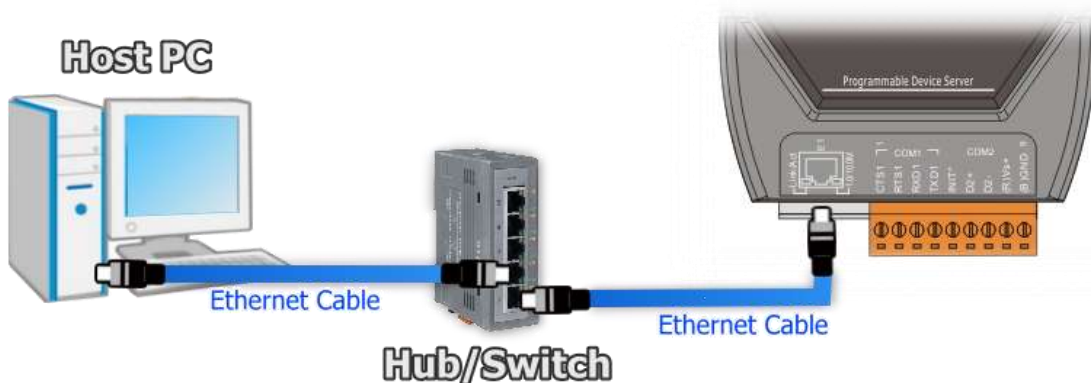
Current baud rate is 115200
[End file 268]
```

Step 7: Disconnect the INIT* and GND pins of DS-700 module.

Step 8: Switch off the Power to the PDS-700 module and then switch it back on again to reboot the module to "Normal" operation.



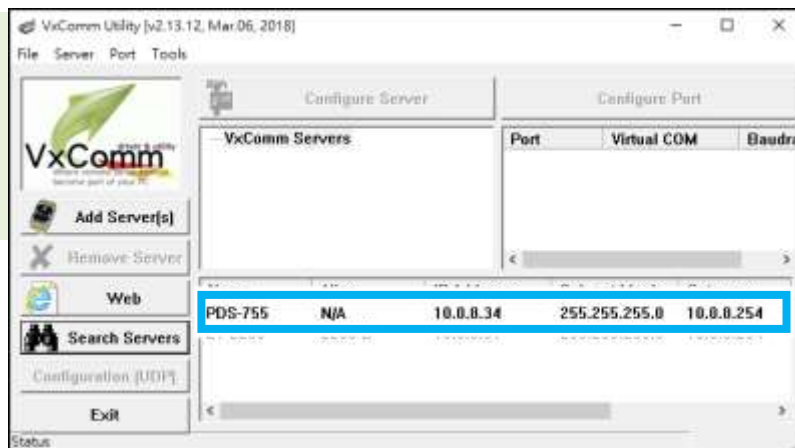
Step 9: Connect both the PDS-700 module and your computer to the same sub network or the same Ethernet Switch.



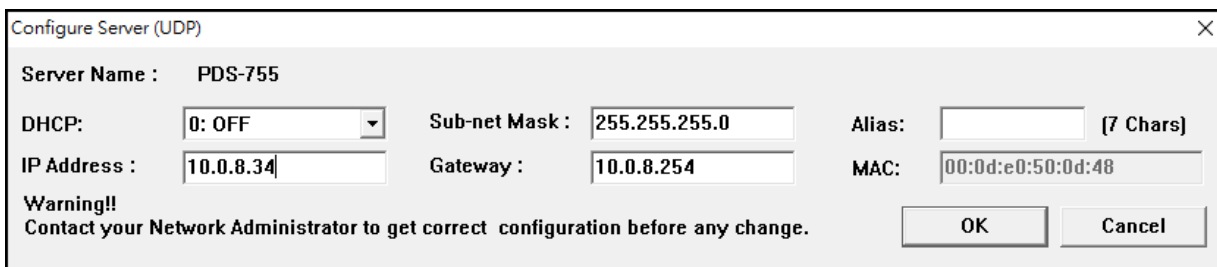
Step 10: Install the VxComm Utility on your Host PC, and then run the Utility to search for any PDS-700 module connected to the network.



[Download the VxComm Utility.](#)



Step 11: Configure the correct network settings for the required PDS-700 module.



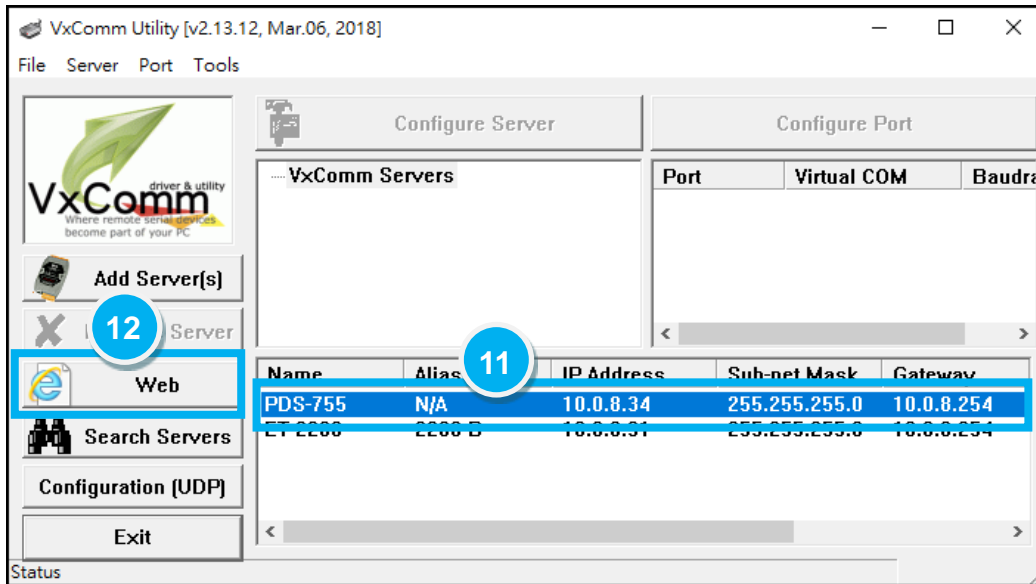
Please refer to “Chapter 3-Configuring Network Settings” in the PDS-700 Quick Start Guide. If the IP address settings do not work correctly, please refer to **note3 (Page 8)**.



[Download the Quick Start Guide.](#)

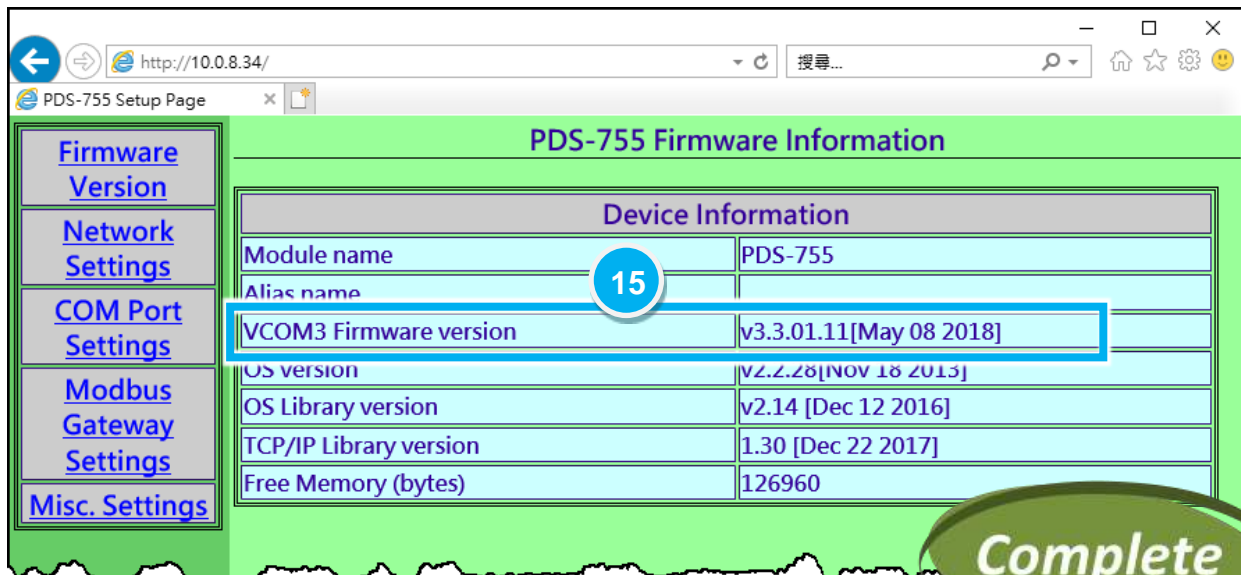
Step 12: Click the name of the PDS-700 module.

Step 13: Click the “Web” button.







Step 14: Log in to the web configuration pages for the PDS-700.

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



3. Additional Information

Notes:

-  **Note 1:** The PDS-7xx.bat file is depending on model name of your PDS-700. If wrong PDS-7xx.bat file that may cause your PDS-700 does not work correctly and you need to update it with a correct firmware again. [back](#)
-  **Note 2:** 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 3:** 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-700 module. [back](#)
-  **Note 4:** 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/>