

SUPPORT

Model supported include PDS-5105D-MTCP

WARRANTY

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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-5105D-MTCP

Firmware 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-5105D-MTCP

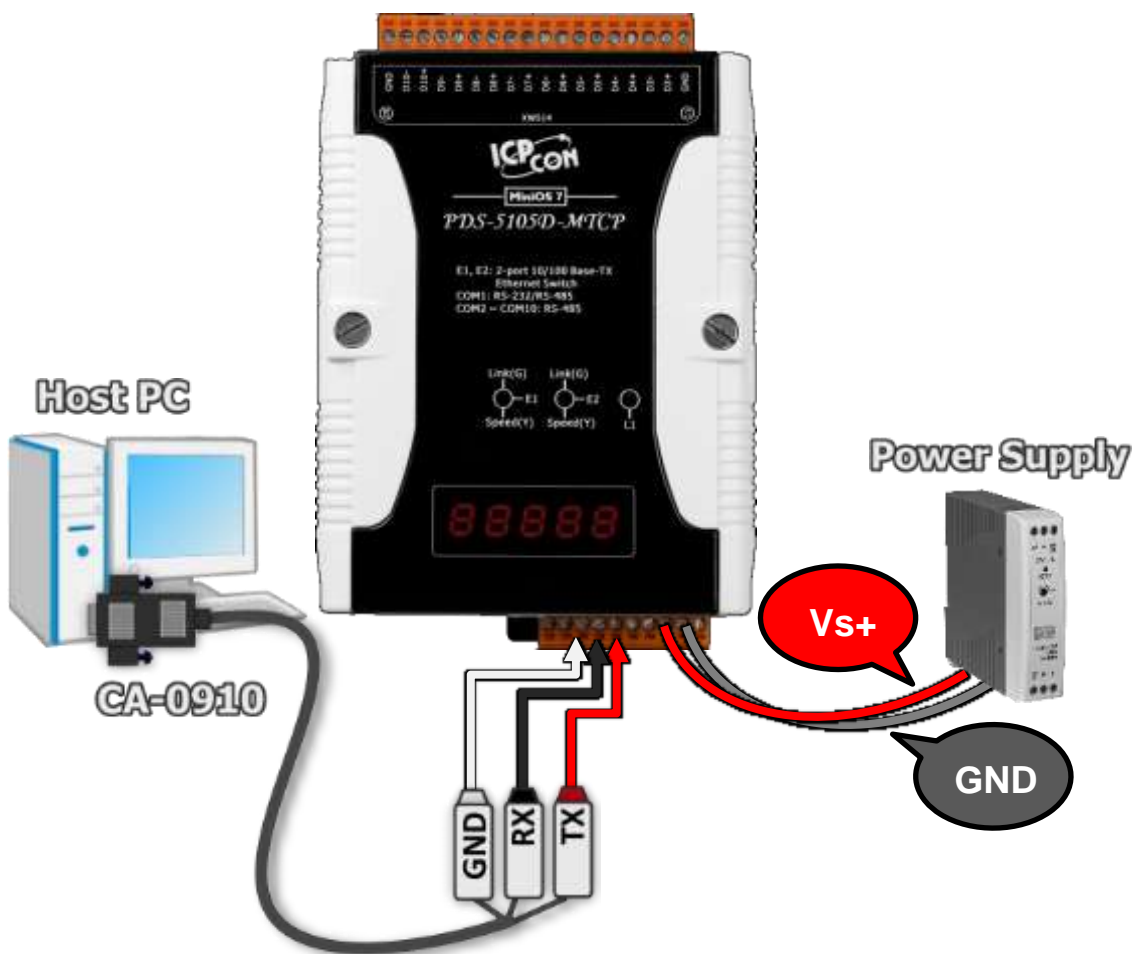
Before updating the firmware, please ensure that the PDS-5105D-MTCP module is connected with your host computer. Refer to the following steps for the details.

Step 1: **Switch off** the Power to the PDS-5105D-MTCP 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-5105D-MTCP module, as follows:

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



Step 4: Set the "Init/Normal Switch" on the PDS-5105D-MTCP module to the in "Init" position.

Step 5: **Switch on** the Power to the PDS-5105D-MTCP module.



2. Firmware Update Procedure

Step 1: Download the Firmware File of PDS-5105D-MTCP module and then decompress it to a temp folder, for example PDS5105D_fw_xxxxxx.



[Download the Firmware File.](#)

The PDS-5105D-MTCP 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-5105D-MTCP.

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.ini - Notepad

File Edit Format View Help

C7 B115200 P0 D8 S1

2

C: COM Port (e.g. C7) → Modify this item.

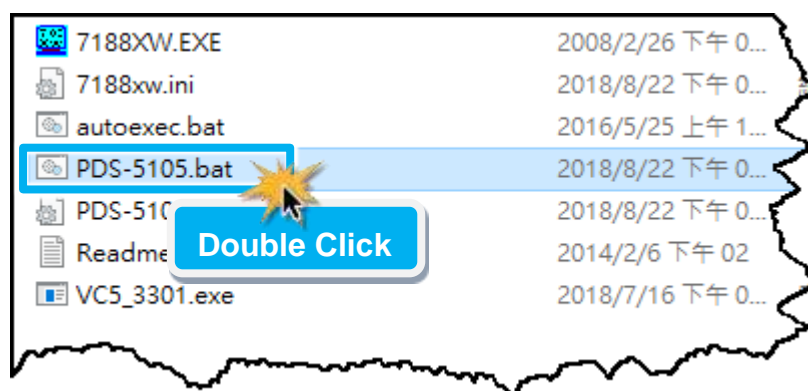
B: Baud Rate (e.g. B115200)

P: Parity (e.g. P0)

D: Data Bits (e.g. D8)

S: Stop Bits (e.g. S1)

Step 3: Double click the **PDS-5105D.bat** for starting update.



Step 4: You are now ready to update the firmware. The PDS-5105D.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 **note1 (Page 8)**.

```
7188XW 1.36 [COM7:115200,N,8,1],FC=0,CTS=0, DIR=C:\Users\RD1-Tammy\Desktop\PDS-5105D\Firmware\PDS5105_fw_180716
C:\Users\RD1-Tammy\Desktop\PDS-5105D\Firmware\PDS5105_fw_180716>7188xw /RPDS-5105.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-5105D\Firmware\PDS5105_fw_180716"
original baudrate = 115200!
now baudrate = 115200!
del /y
Total File number is 0, do you really want to delete(y/n)?

PDS-5000>LOAD
File will save to 8000:0000
StartAddr-->7000:FFFF
Press ALT_E to download file!
Load file:VC5_3301.exe[crc=3301,0000]
Send file info. total 409 blocks
Block 150
```

Starting update

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 [COM7:115200,N,8,1],FC=0,CTS=0, DIR=C:\Users\RD1-Tammy\Desktop\PDS-5105D\Firmware\PDS5105_fw_180716
Load file:WC5_3301.exe[crc=3301,0000]
Send file info. total 409 blocks
Block 409
Transfer time is: 17.828000 seconds

PDS-5000>LOAD
File will save to 9985:0006
StartAddr-->9000:9855
Press ALT_E to download file!
Load file:autoexec.bat[crc=3B5F,0000]
Send file info. total 1 blocks
Block 1
Transfer time is: 0.078000 seconds

PDS-5000>type autoexec.bat
runexe

PDS-5000>autoexec.bat
config=RESET
original baudrate = 115200!
now baudrate = 9600!

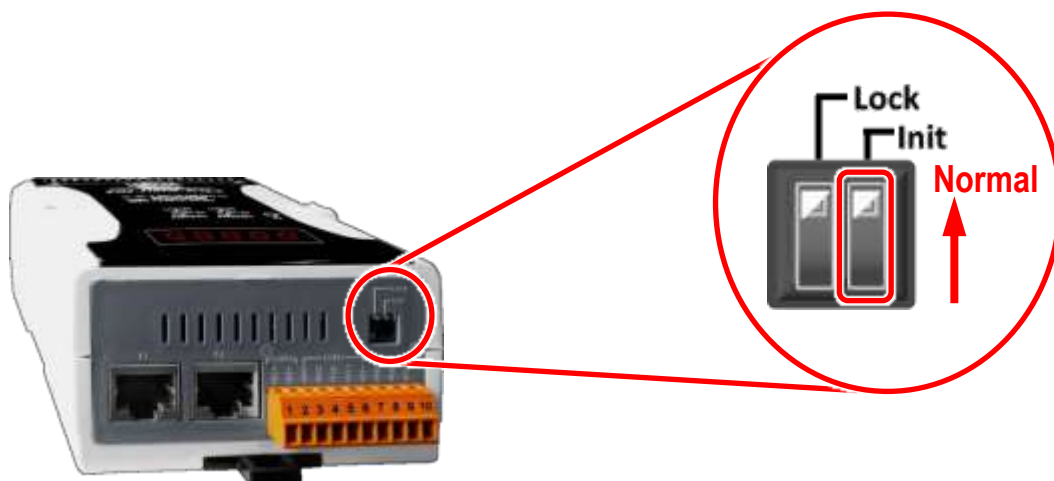
Current baud rate is 9600
/J玖x | 議厚 幘 窠 original baudrate = 9600!
now baudrate = 115200!

Current baud rate is 115200

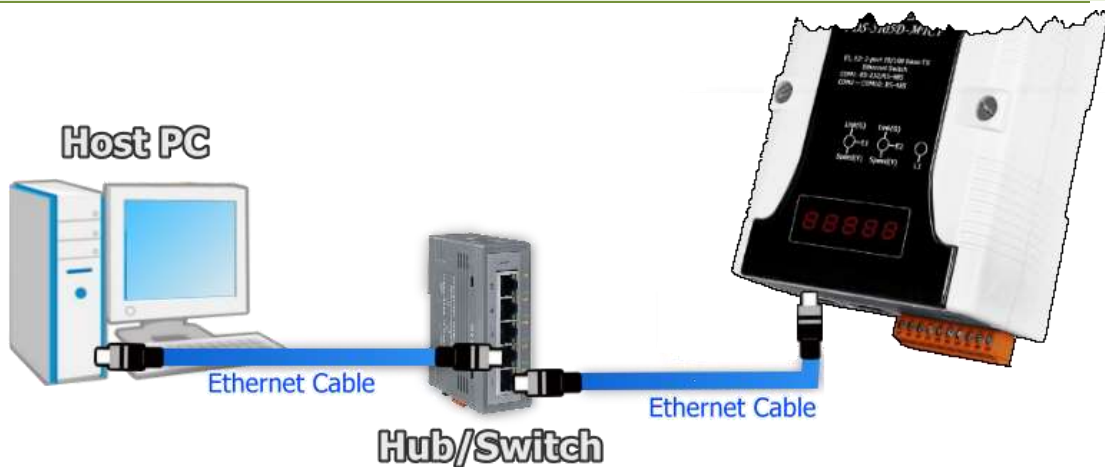
[End file 296]
```

Step 7: Set the “Init/Normal Switch” of the PDS-5105D-MTCP module to the in “Normal Mode” position.

Step 8: Switch off the Power to the PDS-5105D-MTCP module and then switch it back on again to reboot the module to “Normal” operation.



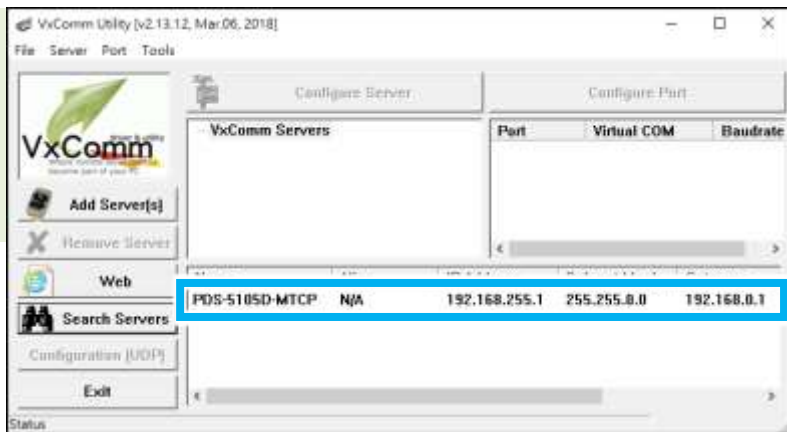
Step 9: Connect both the PDS-5105D-MTCP module and your computer to the same sub network or the same Ethernet Switch.



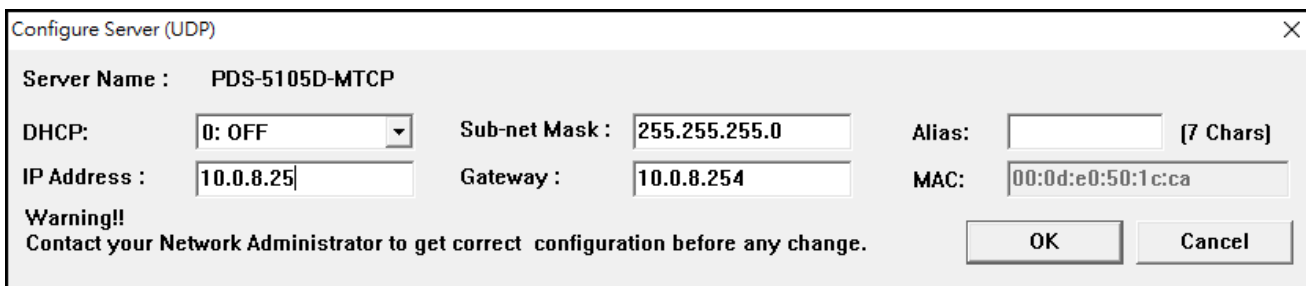
Step 10: Install the VxComm Utility on your Host PC, and then run the Utility to search for any PDS-5105D-MTCP module connected to the network.



[Download the VxComm Utility.](#)



Step 11: Configure the correct network settings for the required PDS-5105D-MTCP module.



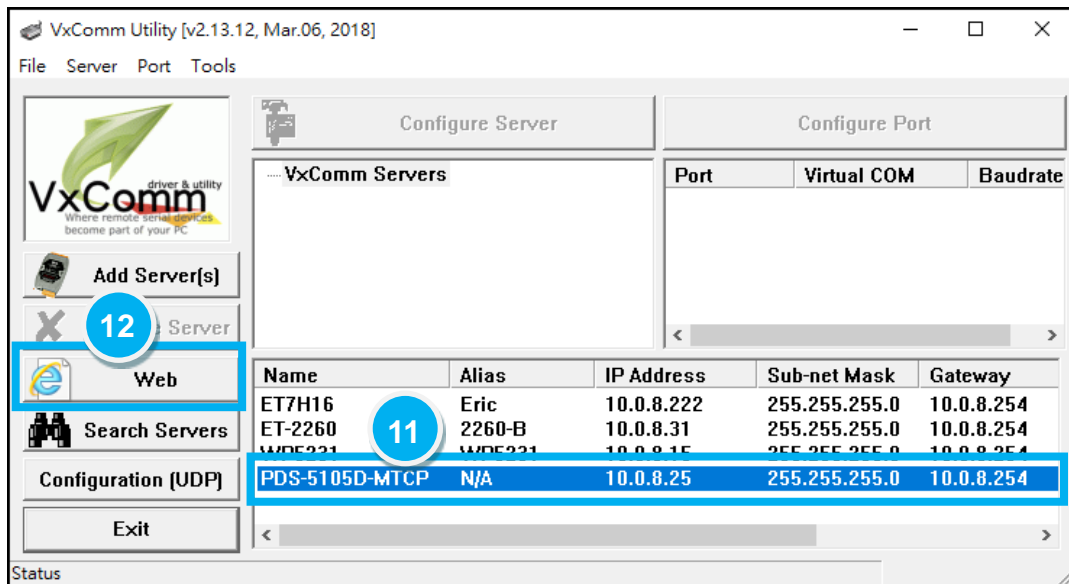
Please refer to “**Chapter 3-Configuring Network Settings**” in the PDS-5105D-MTCP Quick Start Guide. If the IP address settings do not work correctly, please refer to **note2 (Page 8)**.



[Download the Quick Start Guide.](#)

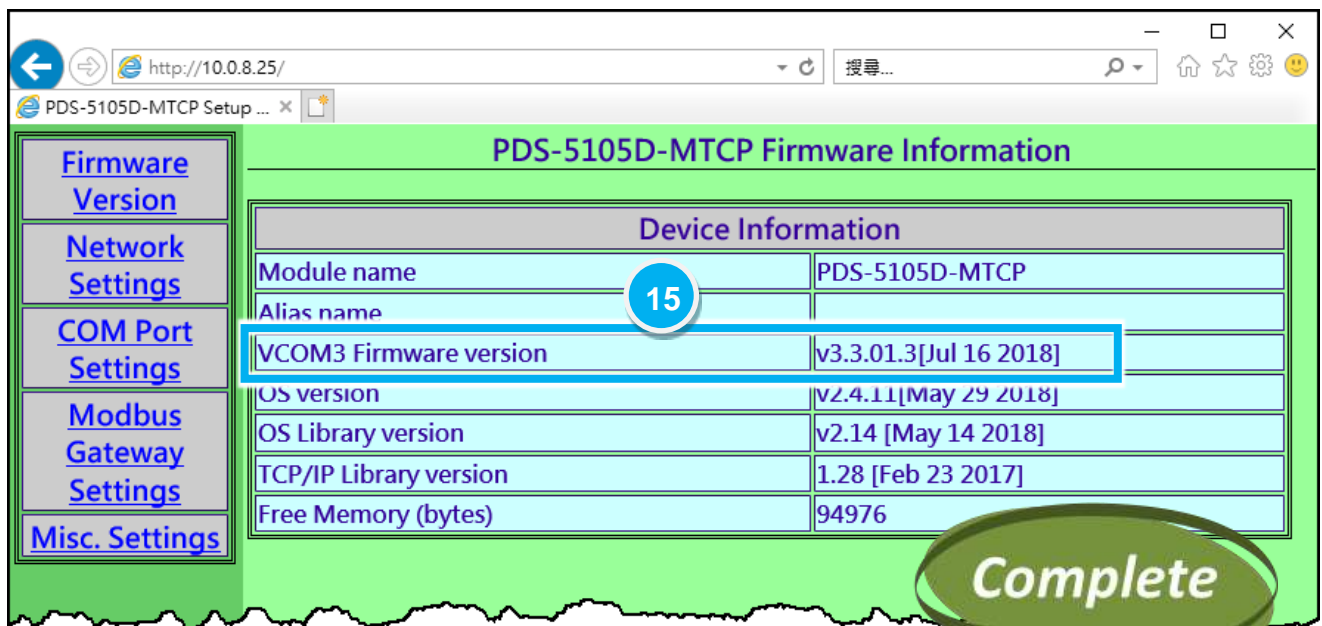
Step 12: Click the name of the PDS-5105D-MTCP module.

Step 13: Click the “Web” button.




Step 14: Log in to the web configuration pages for the PDS-5105D-MTCP.


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-5105D-MTCP 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/>