

## 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.

Email: [service@icpdas.com](mailto:service@icpdas.com) ; [service.icpdas@gmail.com](mailto:service.icpdas@gmail.com)

# PDS-700 Series

MiniOS7 Update via 7188XW.exe

Version: 1.0/ Updated: Aug. 2018

## Ch. 1. Setting up the PDS-700

## Ch. 2. MiniOS7 Update Procedure

## Ch. 3. Additional Information



ICP DAS CO., LTD.

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

# 1. Setting up the PDS-700

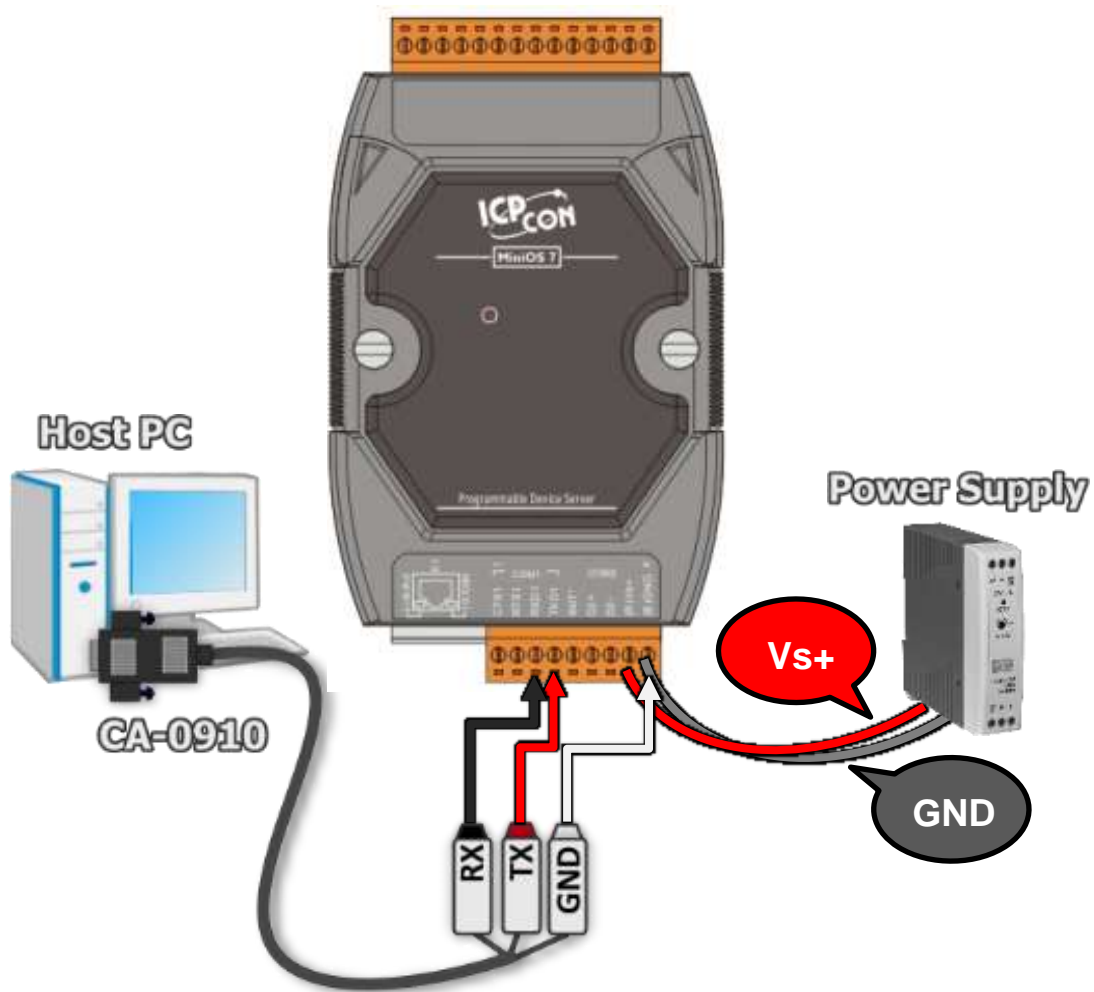
Before updating the MiniOS7, please ensure that the PDS-700 module is connected with your host computer. Refer to the following steps for the details.

**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.**

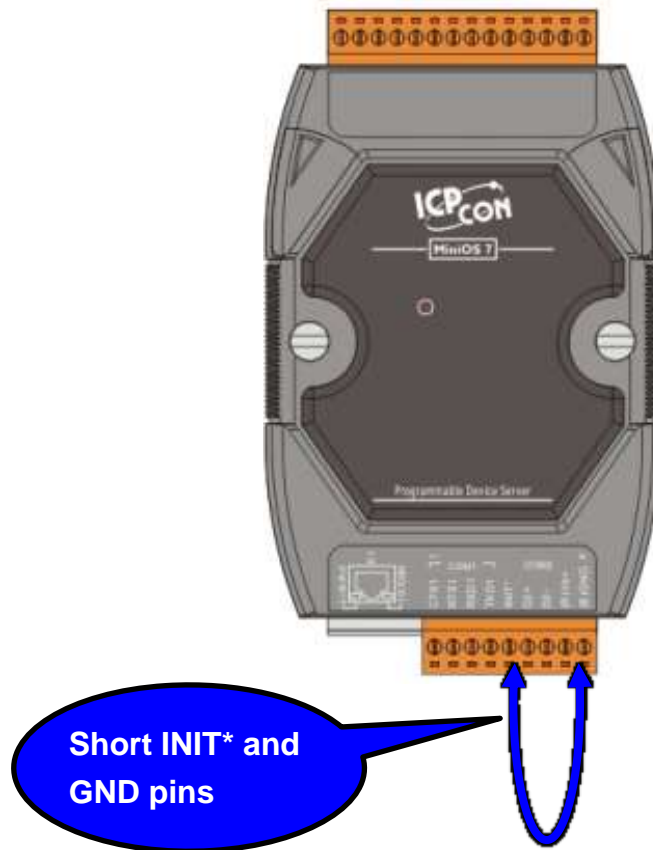
**Step 3: Wire the CA-0910 to PDS-700 module, as follows:**

- 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. MiniOS7 Update Procedure

**Step 1: Download the MiniOS7 File of PDS-700 module and then decompress it to a temp folder, for example 7186EX\_UDP\_HR\_XXXXXX.**



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

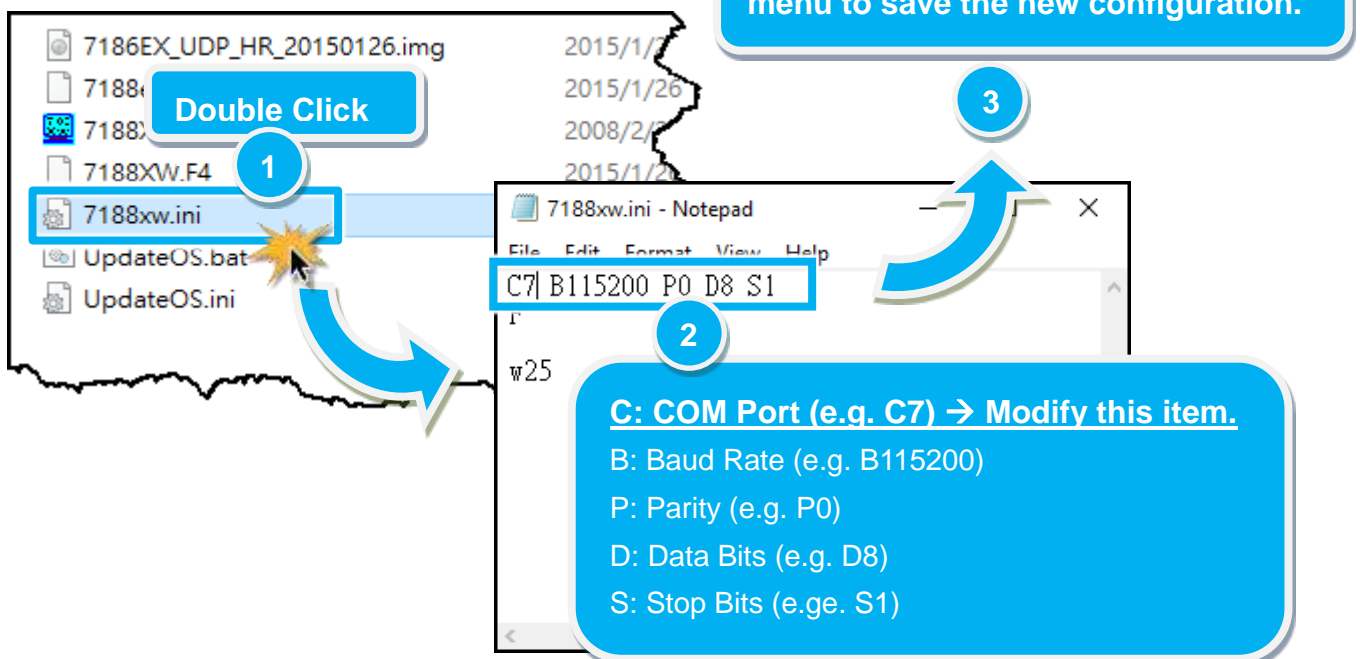
The PDS-700 MiniOS7 OS image file is compressed in Zip format. You can decompress the zip file by 7-Zip, WinZip, WinRAR... utilities.

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



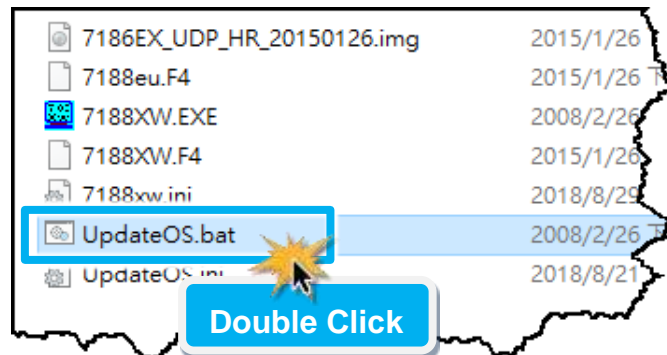
Select the "Save" item from the "File" menu to save the new configuration.

**1** Double Click

**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)

**3**

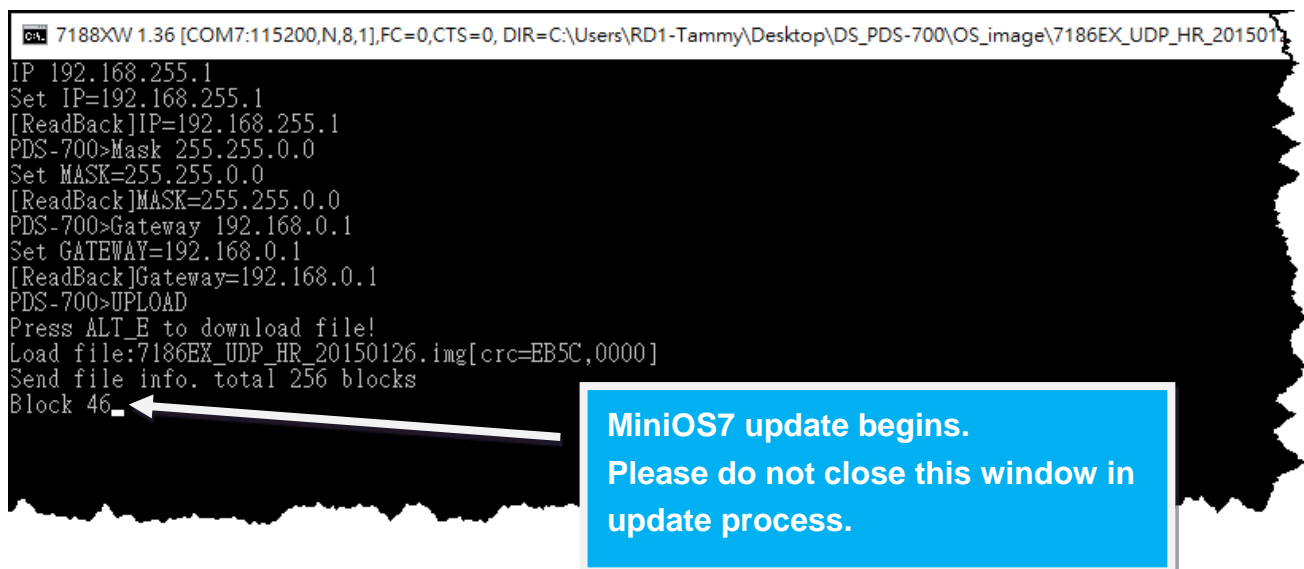
**Step 3: Double click the `UpdateOS.bat` for starting update.**



**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 (7186EX_UDP_HR_xxxxxxxx.img)` into PDS-700 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.**



**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.**

```
ca. 7188XW 1.36 [COM7:115200,N,8,1],FC=0,CTS=0, DIR=C:\Users\RD1-Tammy\Desktop\DS_PDS-700\OS_image\7186EX_UDP_HR_20150126
<<Write Finished>>OK
Wait WDT reset system...
[Unknown code]CS:IP=FBF1:2125=0028 SS:SP=0040:0038 DS=0040 ES=3D M
ICP DAS MiniOS7_UDP for PDS-700 Ver. 2.02 build 029,Jan 26 2015 14:00:56
OS id=31
SRAM:512K, FLASH MEMORY:512K
[CPU=R2240]
CPU internal WDT is ENABLED(WDT timeout=0.8 sec)
Serial number= 5A 5A 5A 5A 5A 5A 5A 5A

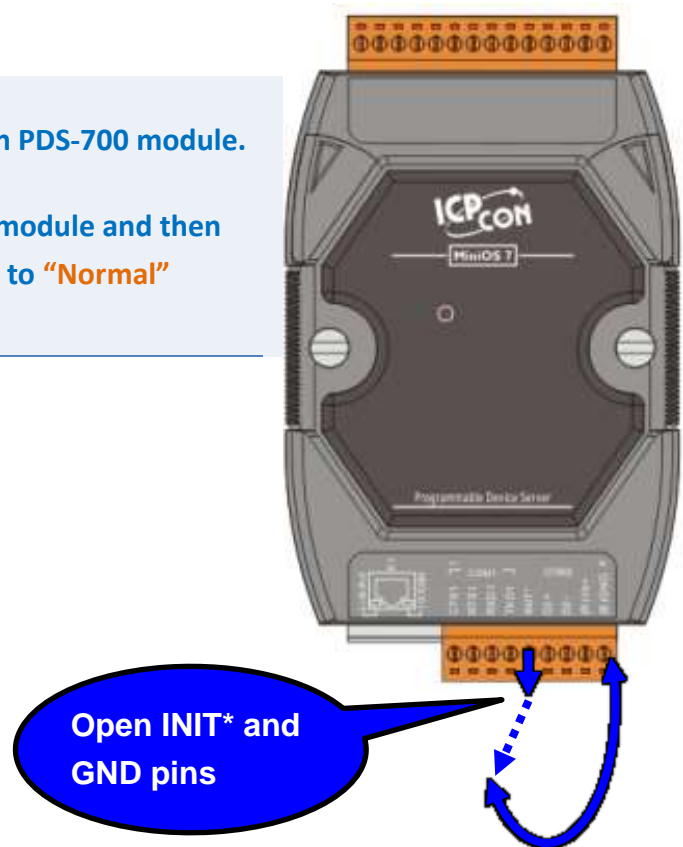
PDS-700>ver

ICP DAS MiniOS7_UDP for PDS-700 Ver. 2.02 build 029,Jan 26 2015 14:00:56
OS id=31
SRAM:512K, FLASH MEMORY:512K
[CPU=R2240]
CPU internal WDT is ENABLED(WDT timeout=0.8 sec)
Serial number= 5A 5A 5A 5A 5A 5A 5A 5A

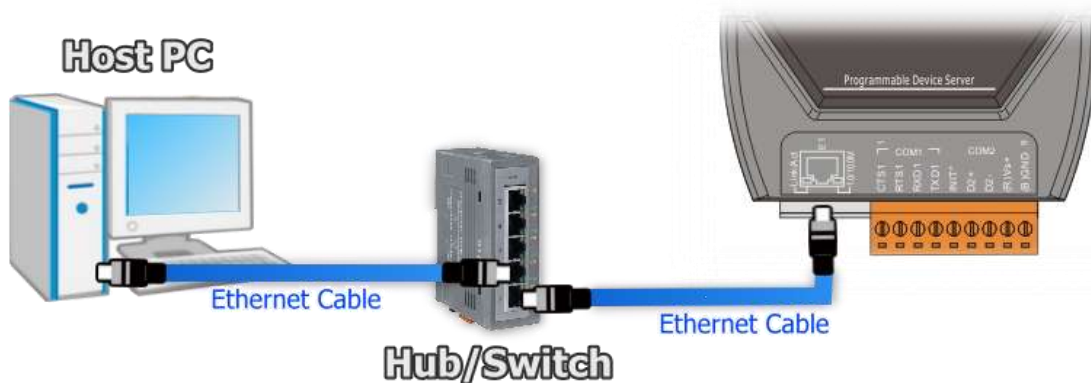
PDS-700>IP
IP=192.168.255.1
PDS-700>Mask
MASK=255.255.0.0
PDS-700>Gateway
Gateway=192.168.0.1
PDS-700>
[End file 304]
[End of Key Thread.]
C:\Users\RD1-Tammy\Desktop\DS_PDS-700\OS_image\7186EX_UDP_HR_20150126>pause
請按任意鍵繼續 . . .
```

**Step 7: Disconnect the INIT\* and GND pins on PDS-700 module.**

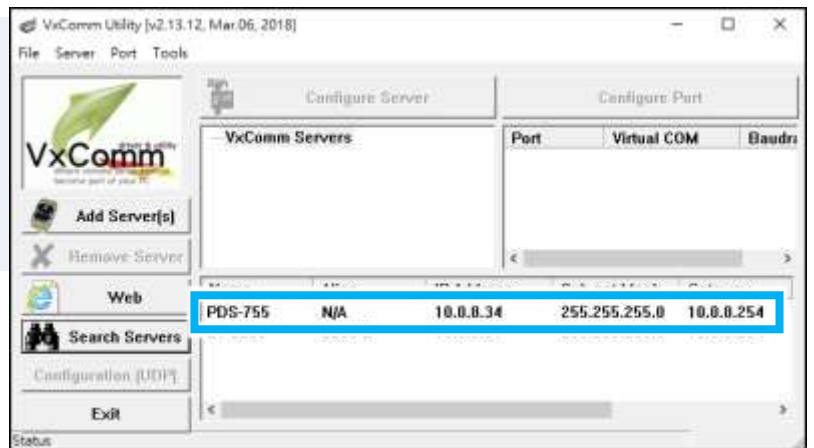
**Step 8: Switch off the Power to the PDS-700 module and then switch it back on again to reboot the module to “Normal” operation.**



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

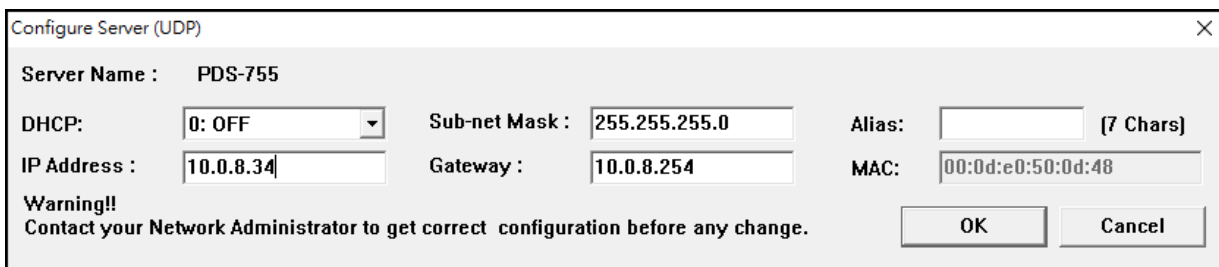


**Step 10: Install the VxComm Utility on your Host PC, and then run the Utility to search for any PDS-700 module connected to the network.**



[Download the VxComm Utility.](#)

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



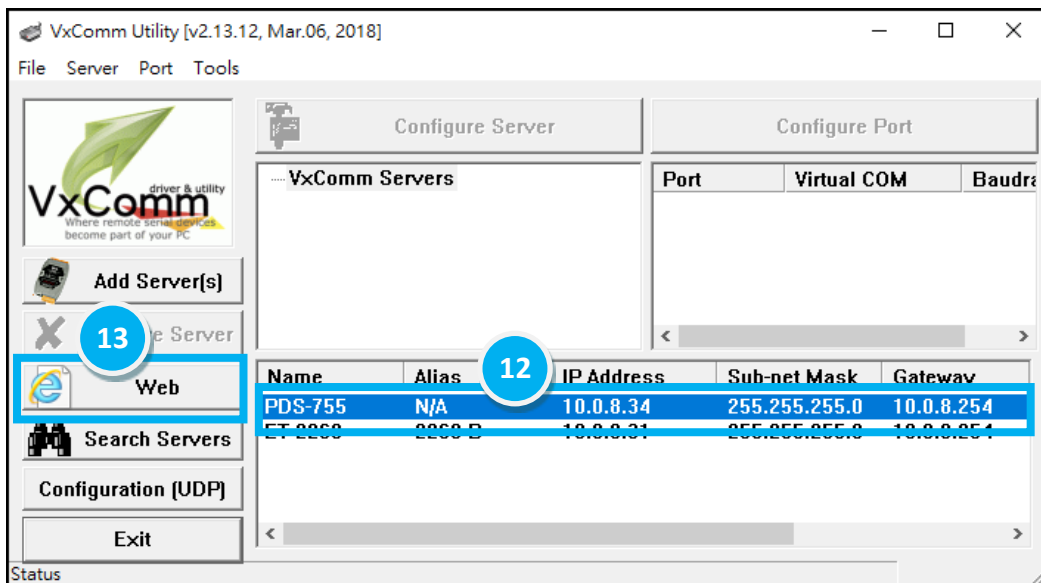
Please refer to “Chapter 3-Configuring Network Settings” in the PDS-700 Quick Start Guide. If the IP address settings do not work correctly, please refer to **note2 (Page 8)**.



[Download the Quick Start Guide.](#)

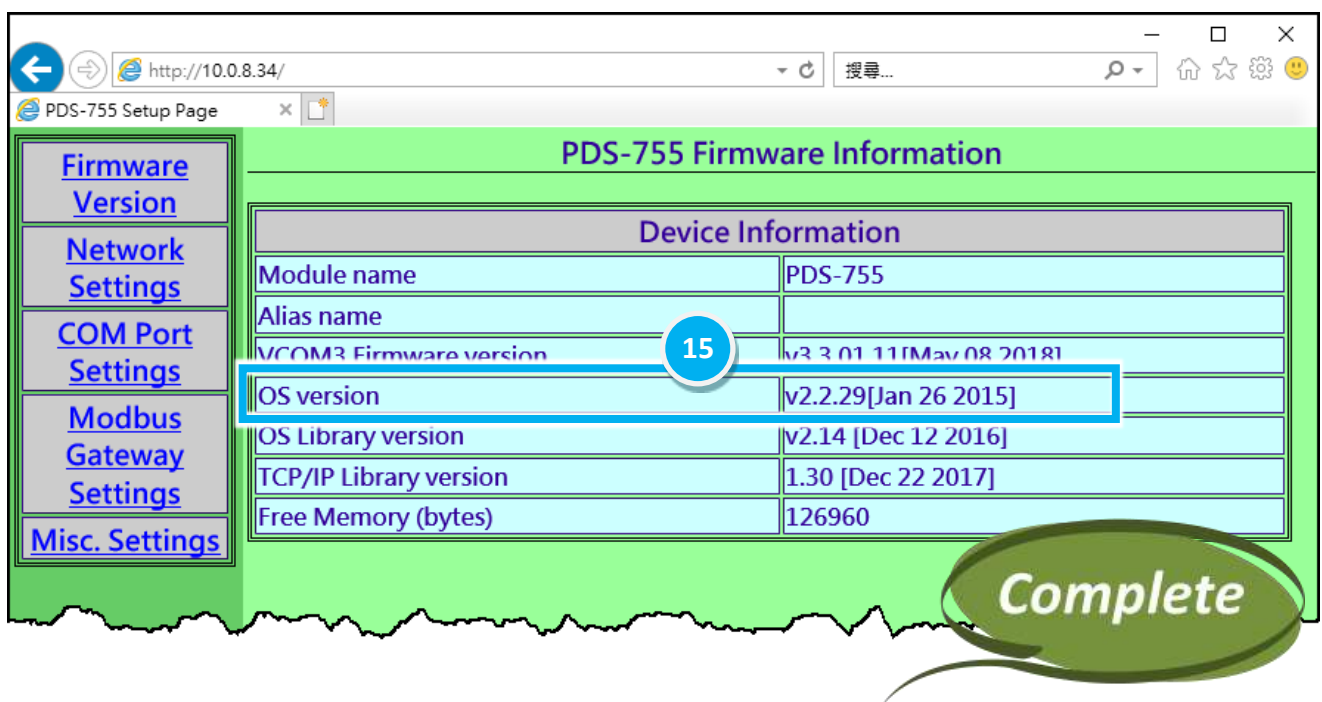
Step 12: Click the name of the PDS-700 module.

Step 13: Click the “Web” button.



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


Step 15: Verify that the 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-700 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/>