Quick Start

for ET-2260 Module

English / Sep. 2015 / Version 1.0

1 What's in the Shipping Package?

The package includes the following items:

❶ ET-2260 Module

❷ Quick Start Guide (This Document)

❸ Companion CD

2 Installing the Software

The eSearch Utility can be obtained from either the companion CD-ROM or from the ICPDAS website, as indicated below:

CD:\NAPDOS\software\eSearch\

http://ftp.icpdas.com/pub/cd/tinymodules/napdos/software/esearch/

❶ Double-click the **"eSearch_vxxx_setup.exe"** file icon to execute the driver installation.

❷ Click the **"Next>"** button to start the installation.

❸ Select the destination location. The default path is **C:\ICPDAS\eSearch**. Verify that the destination path is correct and click the **"Next>"** button.

❹ Click the **"Next>"** button to continue.

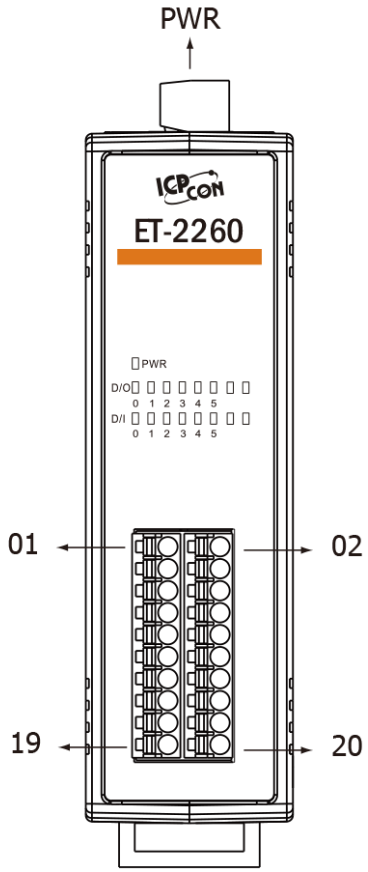
❺ Click the **"Finish"** button to complete the installation.

✉ E-mail: service@icpdas.com

3 Pin Assignments and Wiring Notes

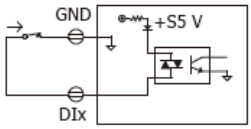
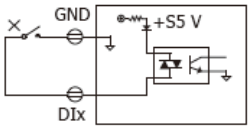
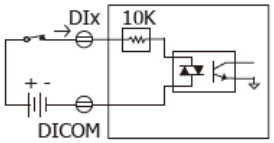
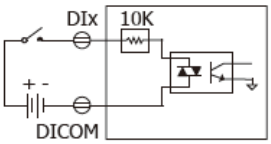
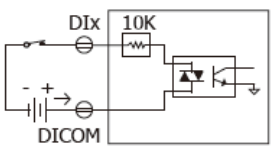
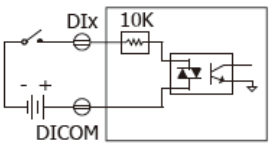
➢ Pin Assignments:

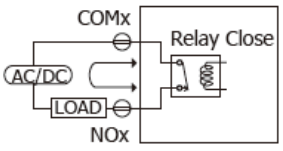
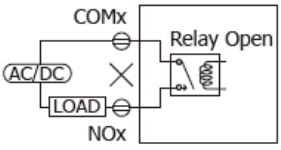
Terminal No.	Pin Assignment
PWR	F.G.
	GND
	+ Vs
ETH1	
ETH2	



Terminal No.	Pin Assignment	Pin Assignment	Terminal No.
01	NO0	GND	02
03	COM0	DI0	04
05	NO1	DI1	06
07	COM1	DI2	08
09	NO2	DI3	10
11	COM2	DI4	12
13	NO3	DI5	14
15	COM3	DICOM	16
17	NO4	NO5	18
19	COM4	COM5	20

➢ Wire Connections:

Digital Input/ Counter	Readback as 1	Readback as 0
Dry Contact	Close to GND	Open
		
Sink	+10 ~ +50 VDC	OPEN or <4 VDC
		
Source	+10 ~ +50 VDC	OPEN or <4 VDC
		

Power Relay	ON State Readback as 1
Relay Output	
	OFF State Readback as 0
	

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4 DI and DO Modbus Addresses

➢ **(0xxxx) DO Address:**

Starting Address	Points	Description	Bits Per Point	Range	Access Type
0 (0x0)	1 ~ 6	Digital Output Channels	1	0: OFF, 1: ON	R/W
32 (0x20)	1	Clears the status of all high latched DI channels	1	1: Clear	W
33 (0x21)	1	Clears the status of all low latched DI channels	1	1: Clear	W
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
190 (0xBE)	1 ~ 6	Enables frequency measurement for all DI Channels	1	0: Disable 1: Enable (Default: 0)	R/W/F
235 (0xEB)	1 ~ 6	Sets the Power-on value for all DO Channels	1	0: OFF, 1: ON (Default: 0)	R/W/F
267 (0x10B)	1 ~ 6	Sets the Safe value for all DO Channels	1	0: OFF, 1: ON (Default: 0)	R/W/F

"R": Read; **"W"**: Write; **"F"**: Settings are recorded in flash memory by default

➢ **(1xxxx) DI Address:**

Starting Address	Points	Description	Bits Per Point	Range	Access Type
0 (0x0)	1 ~ 6	Digital Input	1	0: OFF, 1: ON	R
32 (0x20)	1 ~ 6	Digital Latched Status (High)	1	0: NO 1: Latched	R
64 (0x40)	1 ~ 6	Digital Latched Status (Low)	1	0: NO 1: Latched	R

"R": Read

For detailed information related to DI/DO Modbus Addresses, refer to Section 6.3 "Modbus Register Table" in the ET-2200 User Manual, which can be found at:
CD:\NAPDOS\ET2200\document\
http://ftp.icpdas.com/pub/cd/6000cd/napdos/et2200/document/

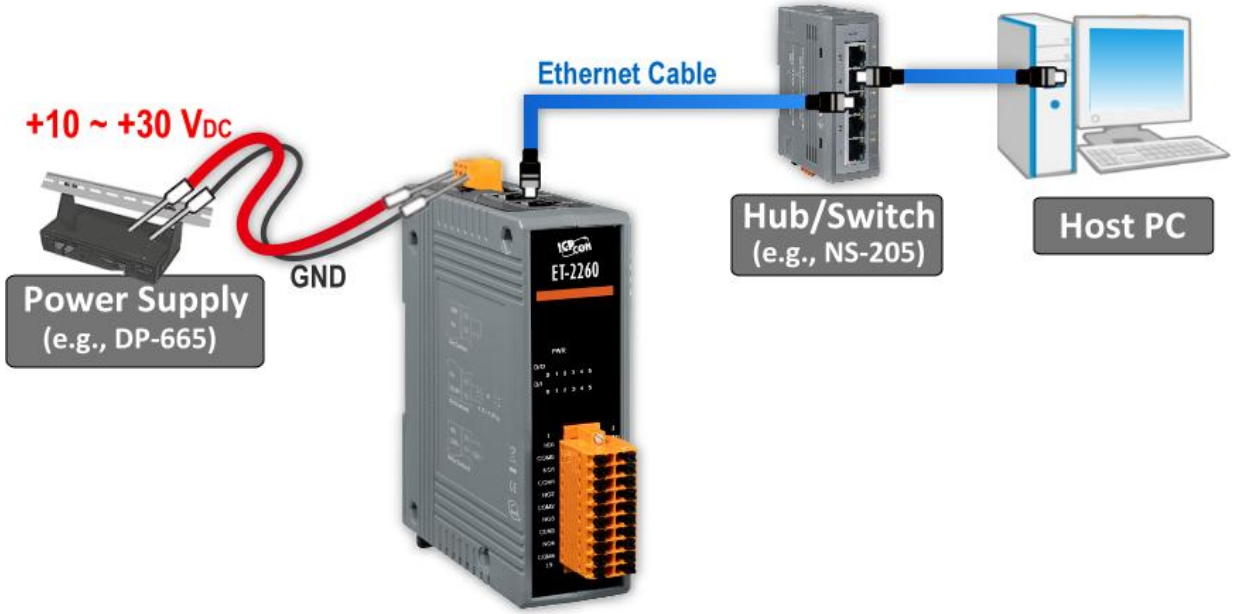
 ✉ E-mail: service@icpdas.com

5 Connecting the Power and the Host PC

❶ Ensure that the network settings on the Host PC have been correctly configured and are functioning normally. Ensure that the Windows firewall or any Anti-Virus firewall is properly configured to allow incoming connections, or temporarily disable these functions, otherwise the **"Search Servers"** function in the eSearch Utility described in **Section 7** may not perform as expected. Contact the System Administrator for instructions of how to do this.

❷ Connect both the ET-2260 module and the Host PC to the same sub network or the same Ethernet Switch.

❸ Apply power to the ET-2260 module. The valid power voltage range is from **+10 to +30 V_{DC}**.

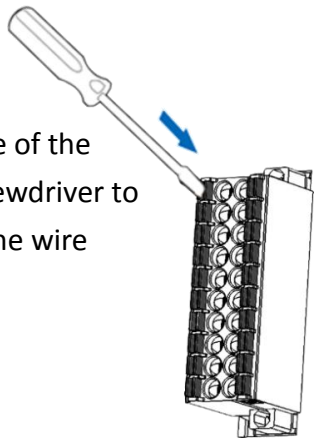


❹ Verify that the **"PWR" LED** indicator on the ET-2260 module is flashing.

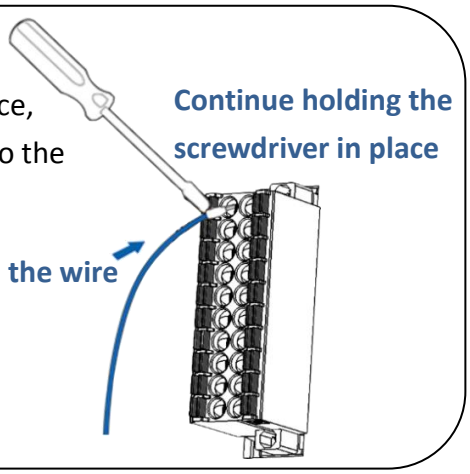
6 Wiring the DI and DO for Self-Test

A tip for connecting the wire to the connector

1. Use the blade of the flat-head screwdriver to push down the wire clamp.

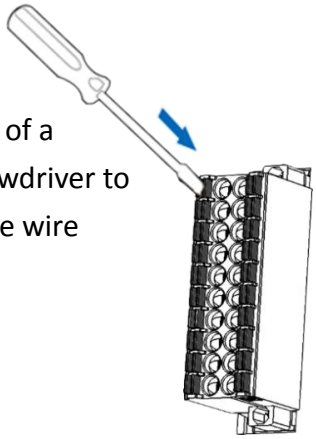


2. While holding the screwdriver in place, insert the wire into the terminal block.

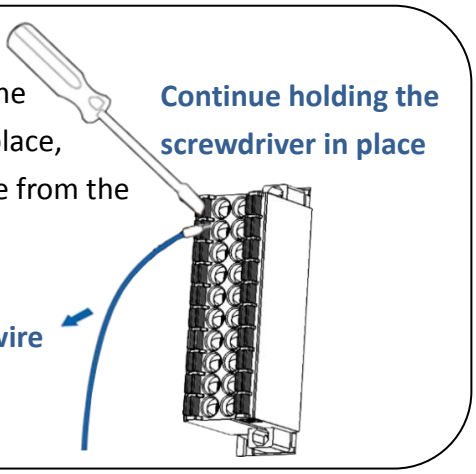


A tip for removing the wire from the connector

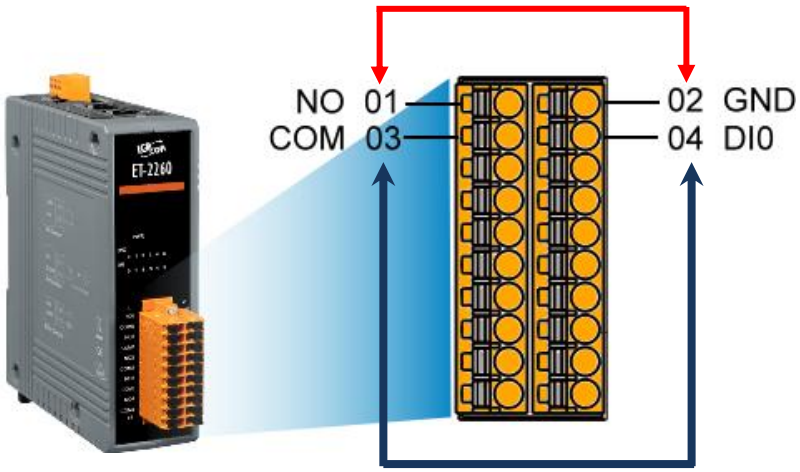
1. Use the blade of a flat-head screwdriver to push down the wire clamp.



2. While holding the screwdriver in place, remove the wire from the terminal block.



❶ Connect the **NO0 pin** (Pin01) to the **GND pin** (Pin02).
❷ Connect the **COM0 pin** (Pin03) to the **DI0 pin** (Pin04)



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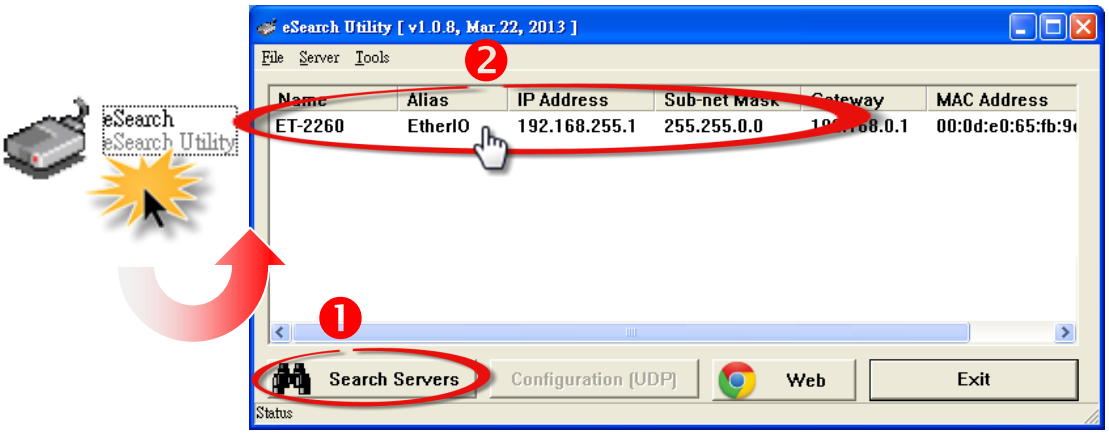
7 Configuring the Correct Network Settings

❶ Execute the eSearch Utility and click the **"Search Servers"** button to search for the ET-2260 module.

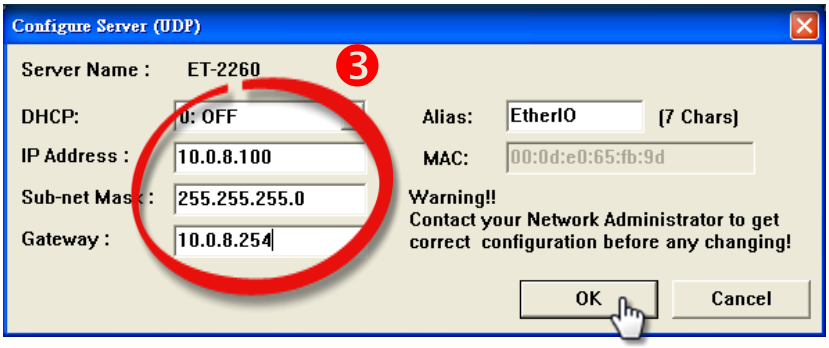
❷ Once the search process in complete, double-click the name of the ET-2260 module to open the "**Configure Server (UDP)"** dialog box.



Factory Default Settings for the ET-2260 Series:

IP	192.168.255.1
Gateway	192.168.0.1
Mask	255.255.0.0

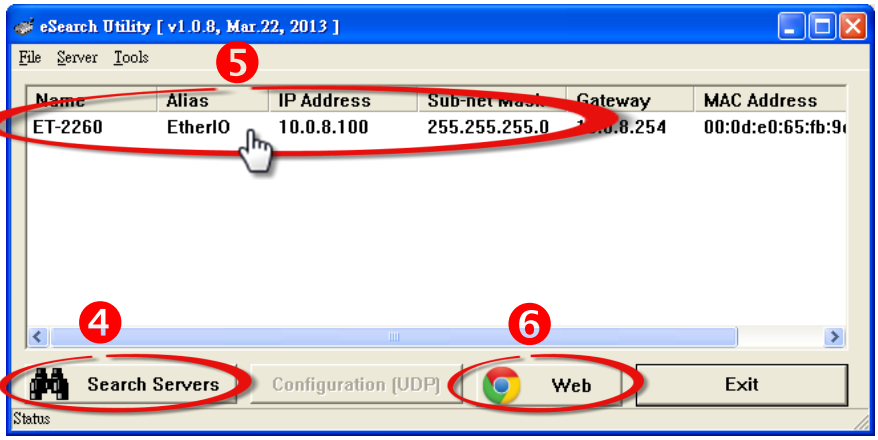
❸ Enter the relevant values for the IP Address, Subnet Mask and Gateway, etc., and then click the **"OK"** button. The new settings for the ET-2260 module will take effect within 2 seconds. If the correct network configuration information is unknown, contact the Network Administrator to obtain the relevant details.



❹ Wait for 2 seconds and then click the "**Search Servers**" button again to ensure that the ET-2260 module is operating correctly using the new configuration.

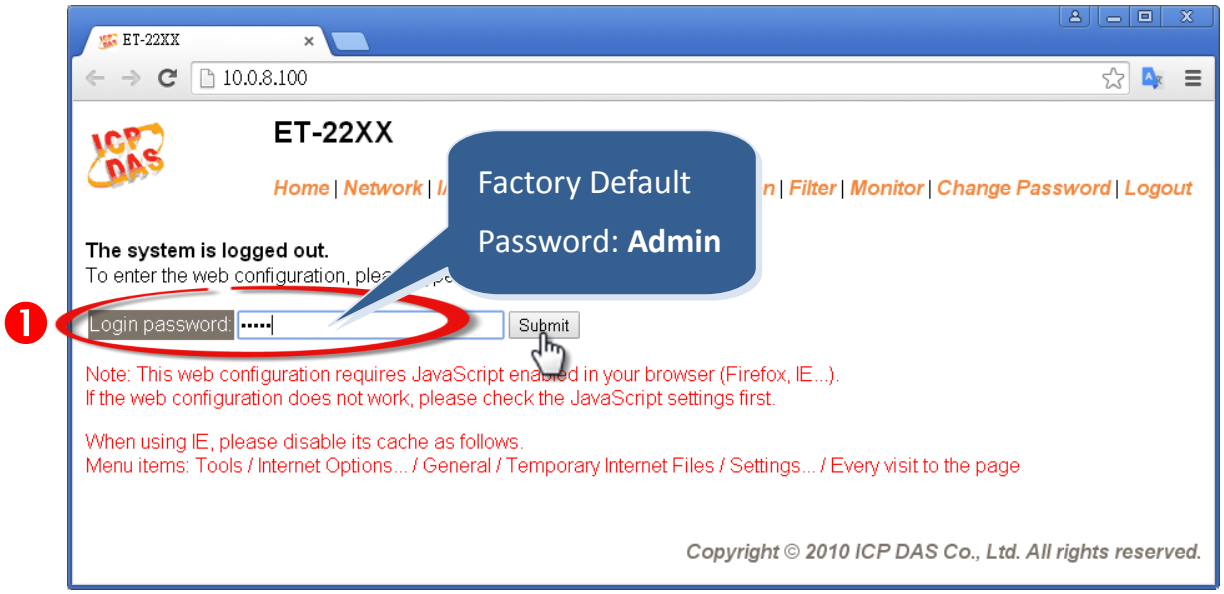
❺ Click the name of the ET-2260 module to select it.

❻ Click the **"Web"** button to log in to the web configuration pages.



8 Performing the Self-Test

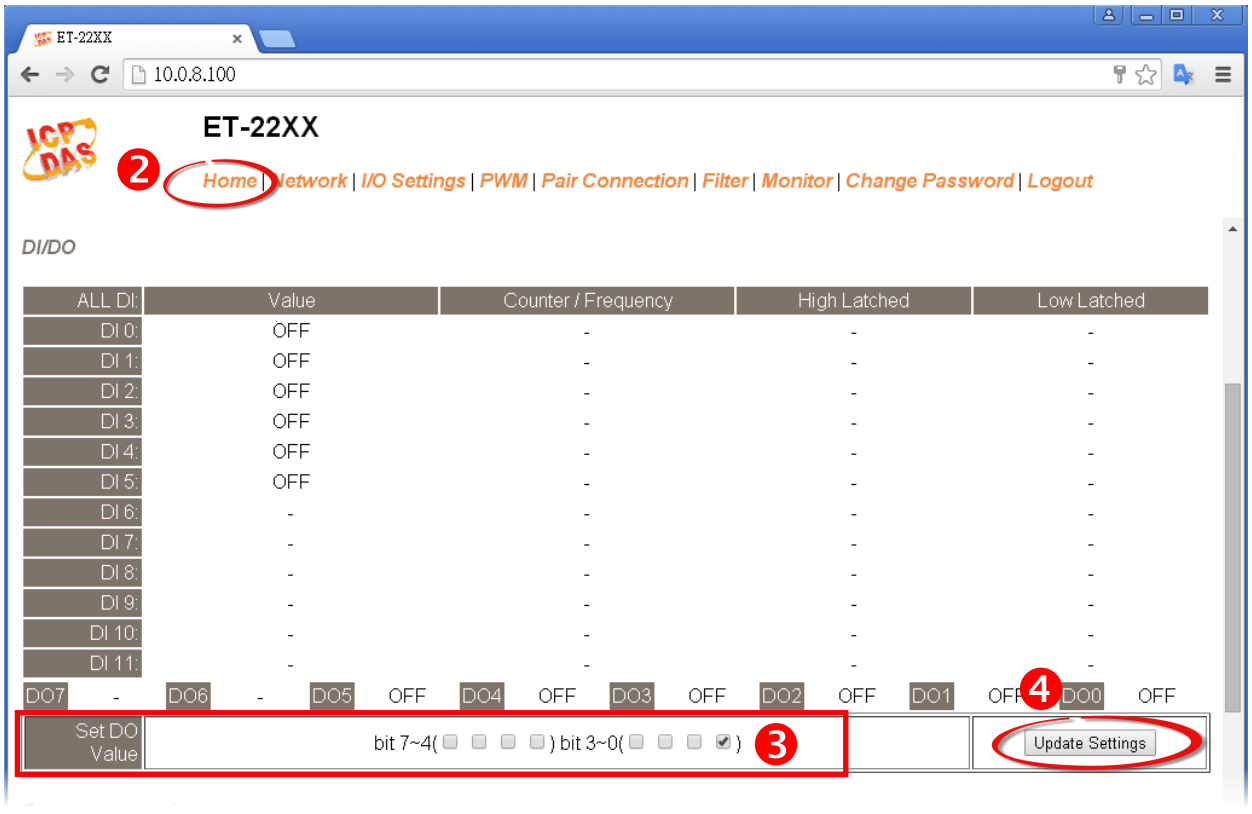
❶ Once the login screen is displayed, enter the password in the login password field (use the default password is "**Admin**"), and then click the **"Submit"** button to enter the configuration web page.



❷ Click the **"Home"** tab to access the DI/DO settings page for the ET-2260 module. This page allows a simple test to be performed to verify the Digital Input/Output functionality.

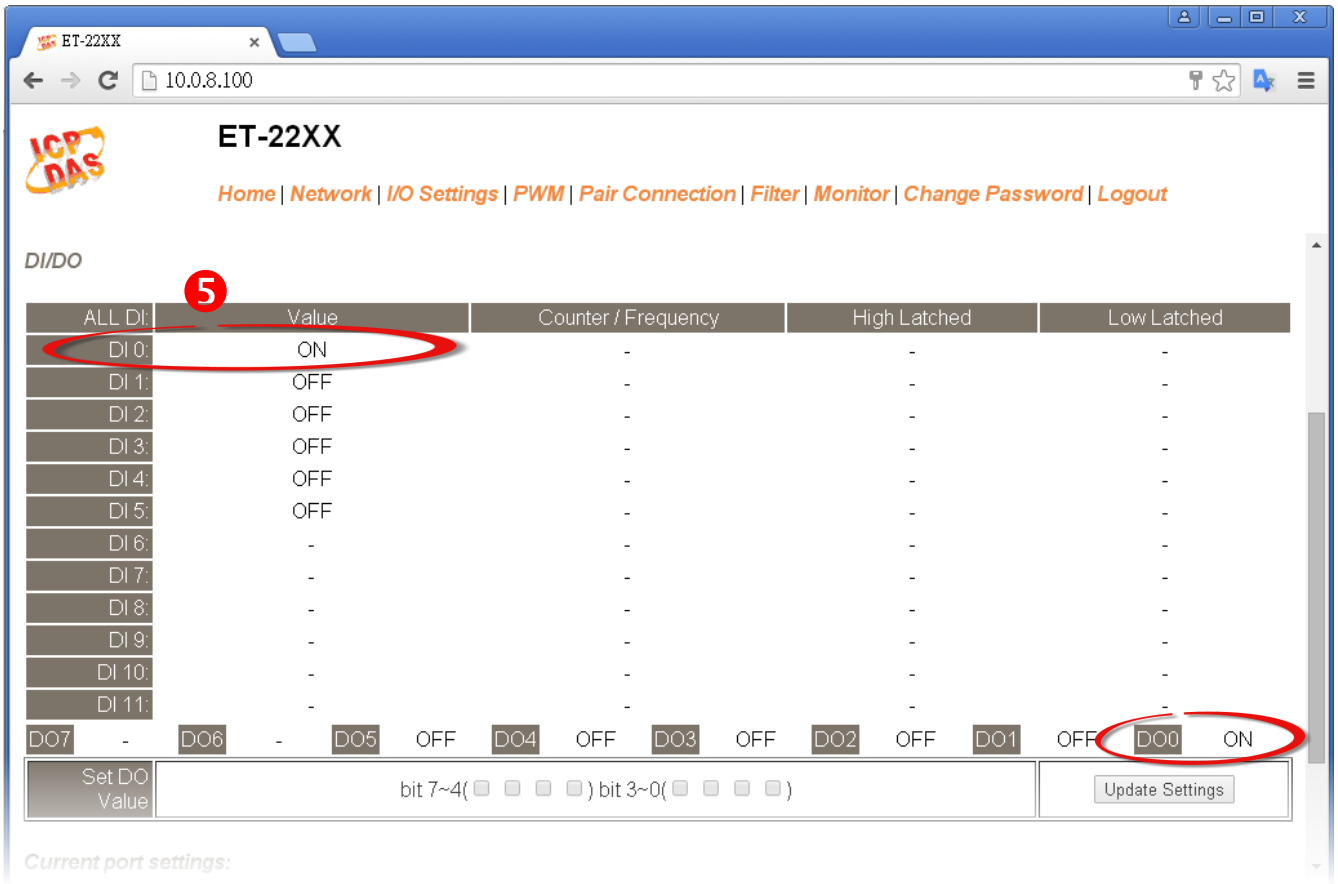
❸ In the **"Set DO Value"** section, check the checkbox for **"bit0"** to set **DO0 to ON**.

❹ Click the **"Update Settings"** button to save the revised settings to the ET-2260 module.



9 Verifying the Test

❺ Once the new settings have been saved, the page will be refreshed to indicate the new values. Verify that the status for the both **DO0 and DI0** is shown as **"ON"**.



Related Information

- ET-2260 Product Page:
http://www.icpdas.com/root/product/solutions/remote_io/ethernet_io/petl-7000_tpet_tet/et-2260.html

- Documentation:
CD:\Napdos\ET2200\Document
http://ftp.icpdas.com/pub/cd/6000cd/napdos/et2200/document/

- Firmware:
CD:\Napdos\ET2200\Firmware
http://ftp.icpdas.com/pub/cd/6000cd/napdos/et2200/firmware/

- NS-205 and DP-665 Product Page (Optional):
http://www.icpdas.com/root/product/solutions/industrial_ethernet_switch/ns-205.html
http://www.icpdas.com/products/Accessories/power_supply/dp-665.htm