

ET-2268 Quick Start

v1.1, Mar. 2018

What's in the box?

The package includes the following items:



ET-2268 Module x 1



Quick Start x1
(This Document)

Related Information

- ET-2200 Series Product Page:
http://www.icpdas.com/root/product/solutions/remote_io/ethernet_io/petl-7000_tpet_tet/petl_series_main_page.html

- Documentation & Firmware:
http://ftp.icpdas.com.tw/pub/cd/6000cd/napdos/et2200/

- NS-205/MDR-20-24 Product Page (optional):
http://www.icpdas.com/root/product/solutions/industrial_ethernet_switch/ns-205.html
http://www.icpdas.com/root/product/solutions/accessories/power_supply/mdr-20-24.html

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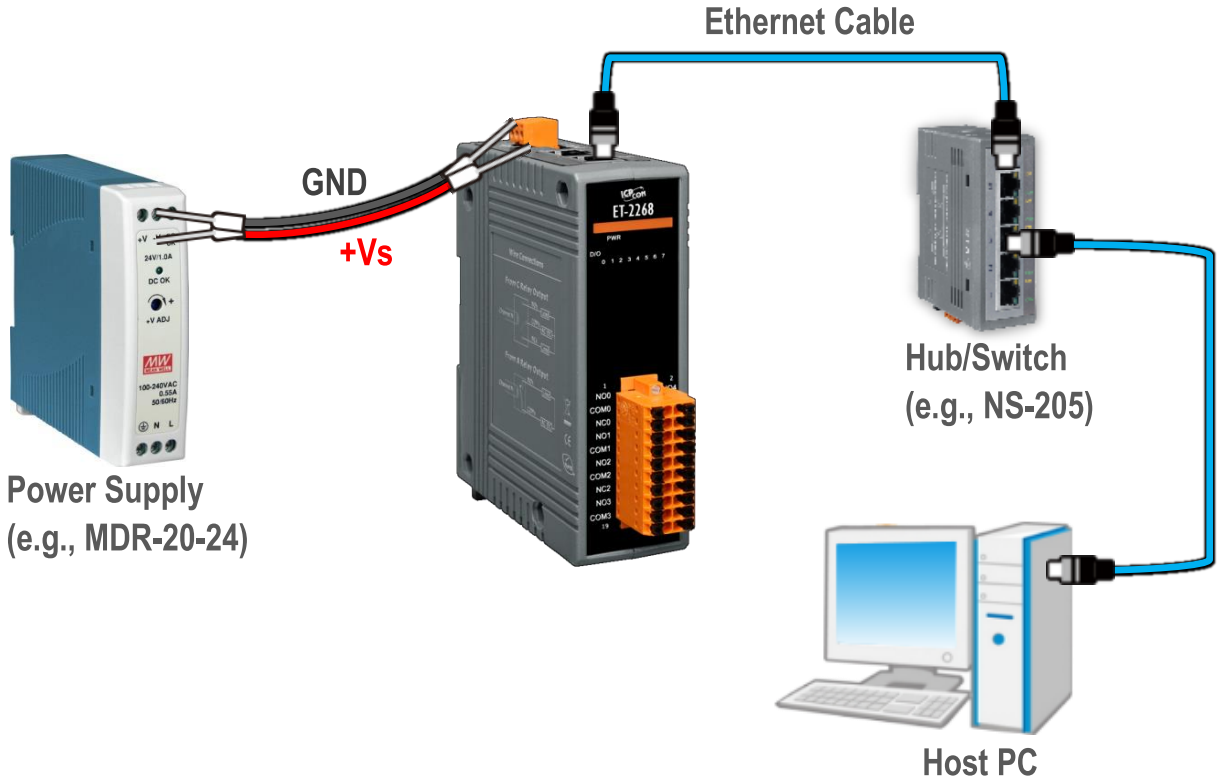
1 Connecting the Power and Host PC

1) Make sure your PC has workable network settings.

Disable or well configure your Windows firewall and Anti-Virus firewall first, else the **"Search Servers"** on **Chapter 5** may not work. (Please contact with your system Administrator)

2) Connect both the ET-2268 and your PC to the same sub network or the same Ethernet switch.

3) Supply power (+10~+30 V_{DC}) to the ET-2268.



4) Verify that the "PWR" LED indicator on the ET-2268 is flashing.

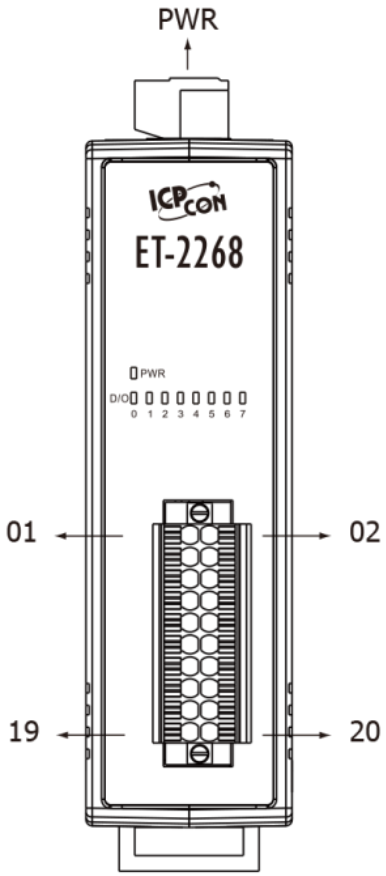


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2 Pin Assignments & Wiring Note

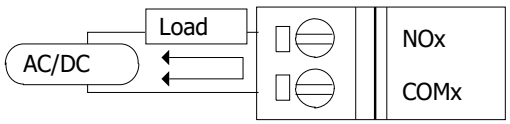
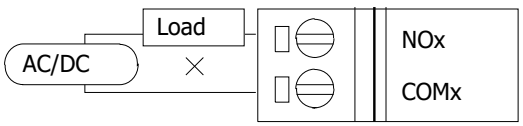
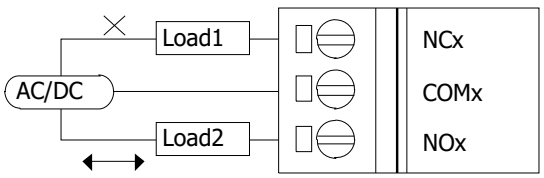
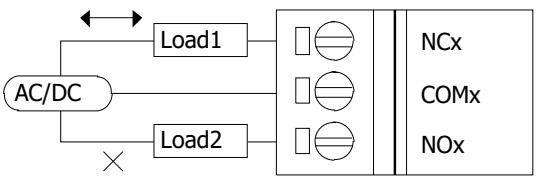
➢ Pin Assignments:

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



Terminal No.	Pin Assignment	Pin Assignment	Terminal No.
01	NO0	NO4	02
03	COM0	COM4	04
05	NC0	NC4	06
07	NO1	NO5	08
09	COM1	COM5	10
11	NO2	NO6	12
13	COM2	COM6	14
15	NC2	NC6	16
17	NO3	NO7	18
19	COM3	COM7	20

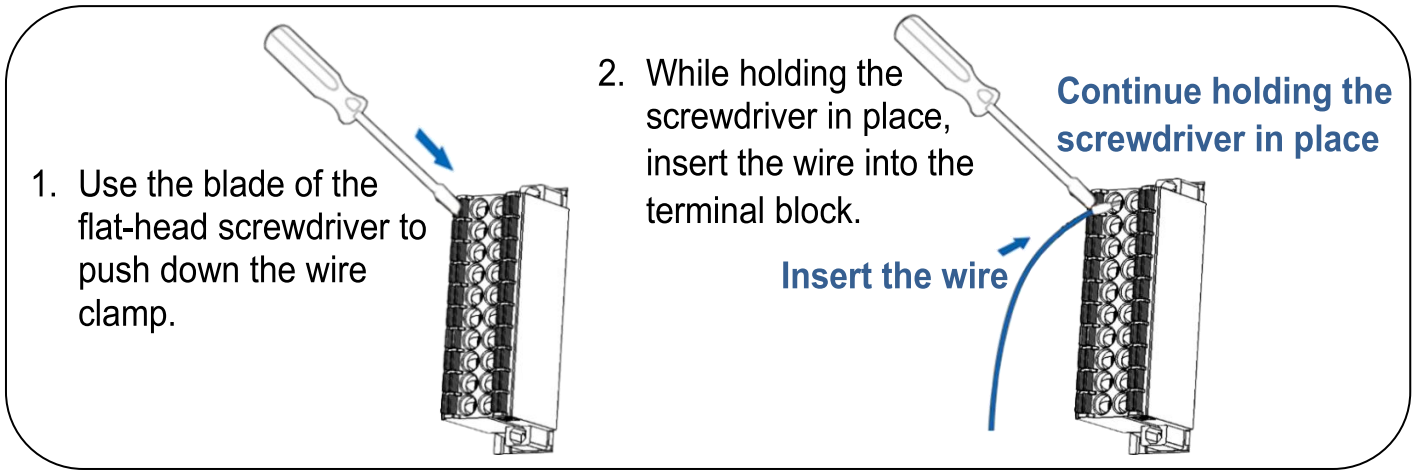
➢ Wire Connections:

Relay Output	Readback as 1	Readback as 0
Form A Relay in NO1, NO3, NO5, NO7		
Form C Relay in NO0, NO2, NO4, NO6		

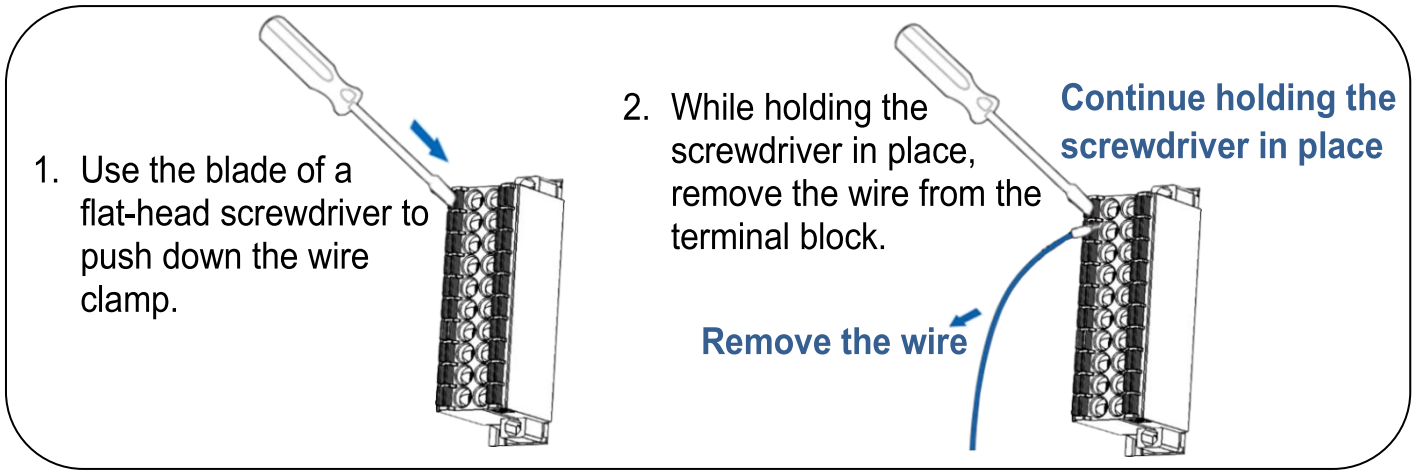
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3 Wiring the DI and DO for Self-test

➢ **A tip for connecting the wire to the connector**

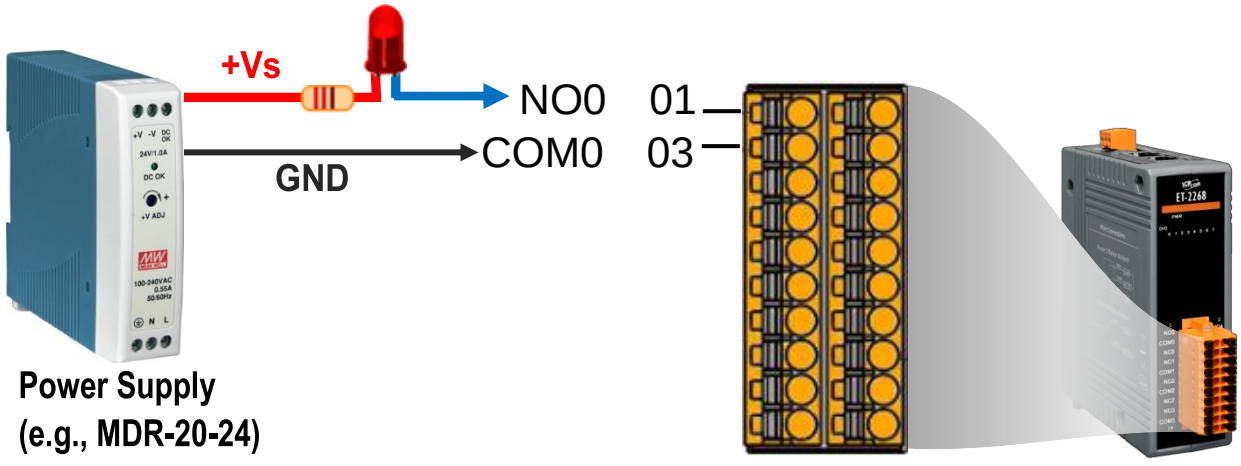


➢ **A tip for removing the wire from the connector**



1) Connect the **External Power +24V** to the **NO0 pin (Pin01)**.

2) Connect the **External Power GND** to the **COM0 pin (Pin03)**.



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4 Modbus Address

The nDO parameters in the following Modbus Address Tables are as follows:

Mode Name	Universal DIO	Number of DO channels (nDO)	Number of DI channels (nDI)
ET-2268	-	8	-

➢ **(0xxxx) DO address:**

Begin address	Points	Description	Bits Per Point	Range	Access Type
0 (0x0)	1~nDO	Digital Output Channels	1	0: OFF, 1: ON	R/W
100 (0x64)	1~nDO	Enables the PWM for all DO Channels	1	0 = Off 1 = On (Default= 0)	R/W
127 (0x7F)	1	Restores all default web settings	1	1 = Restore	W
128 (0x80)	1	Default ID Settings	1	1 = Restore	W
133 (0x85)	1	Reboots the ET-2200 module	1	1 = Restore	W
. . .	. . .	. . .	. . .	. . .	. . .
235 (0xEB)	1~nDO	Sets the Power-on value for all DO Channels	1	0: OFF, 1: ON (Default: 0)	R/W/F
267 (0x10B)	1~nDO	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 by default,
"**E**": After writing DO[60] register, the data will be stored in flash.

Note

For detail "DI/DO Modbus Address" information, refer to Section 6.3 Modbus Register Table of user's manual (http://ftp.icpdas.com/pub/cd/6000cd/napdos/et2200/document/).

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5 Configuring Network Settings



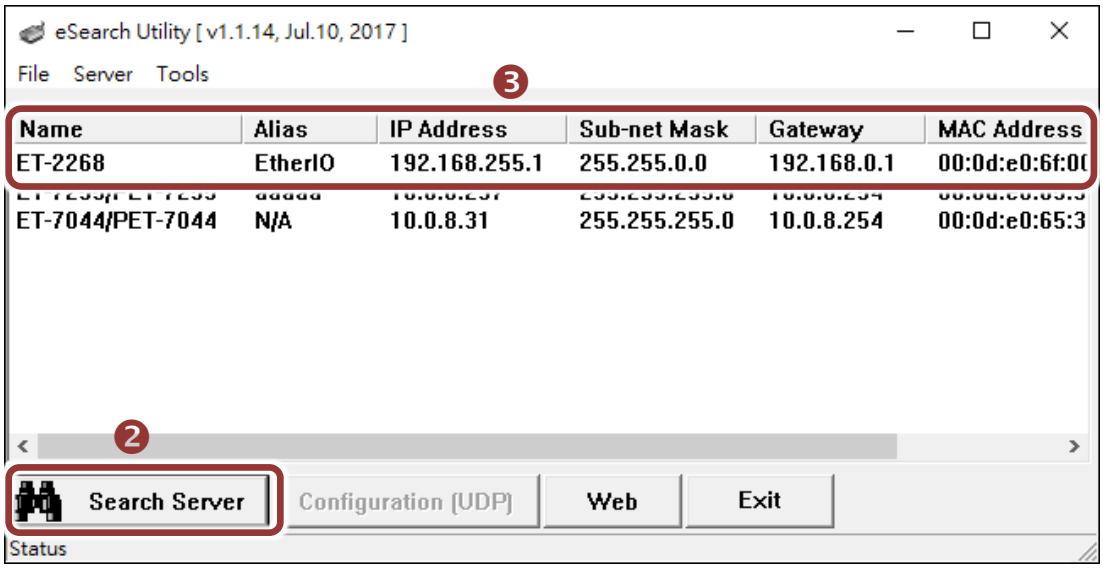
1) Run the eSearch Utility.

The eSearch Utility is located at:

http://ftp.icpdas.com/pub/cd/6000cd/napdos/software/esearch/

2) Click the **"Search Servers"** to search your ET-2268.

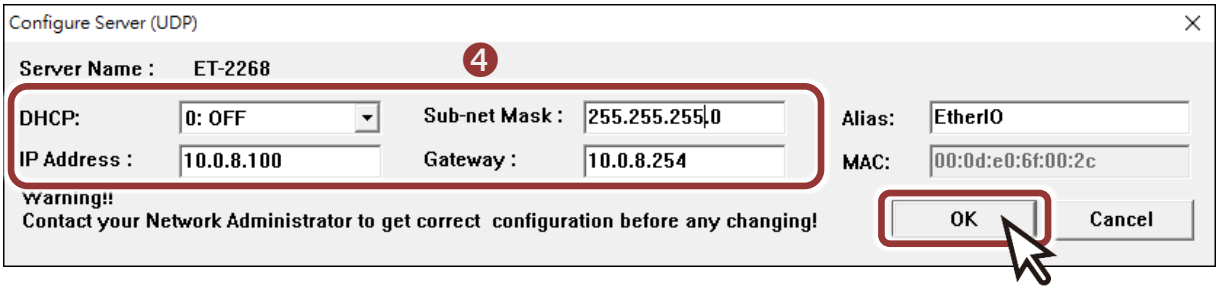
3) Double-click your ET-2268 to configure the settings



Factory Default Settings of ET-2268:

IP Address	192.168.255.1
Subnet Mask	255.255.0.0
Gateway	192.168.0.1

4) Contact your Network Administrator to obtain a correct network configuration (such as **IP/Mask/Gateway**). **Enter the network settings** and click **"OK"**. **Note: The ET-2268 will use the new settings 2 seconds later.**



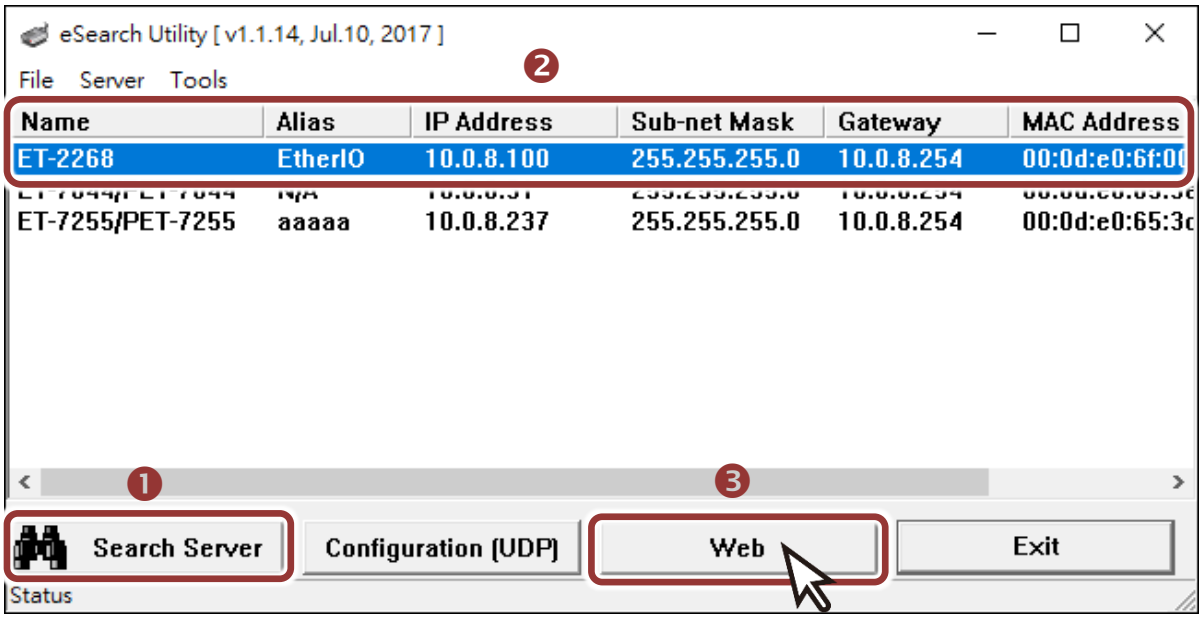
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6 Testing your Ethernet I/O Module

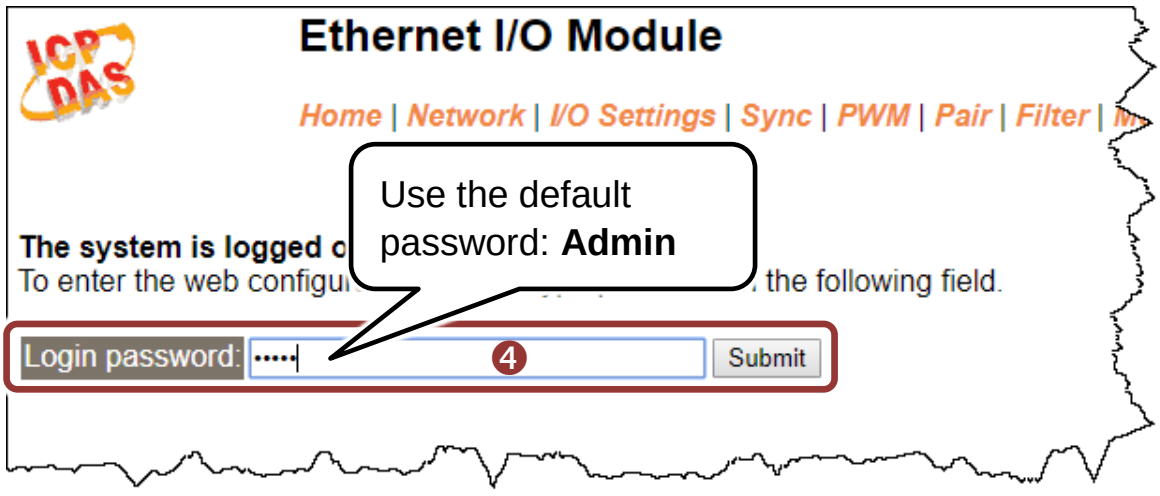
1) Wait 2 seconds and click **“Search Servers”** button again to ensure the ET-2268 is working well with new configuration.

2) Click the name of ET-2268 to select it.

3) Click the **“Web”** button to log in to the web configuration pages. (Or enter the URL address of the ET-2268 in the address bar of the browser.)



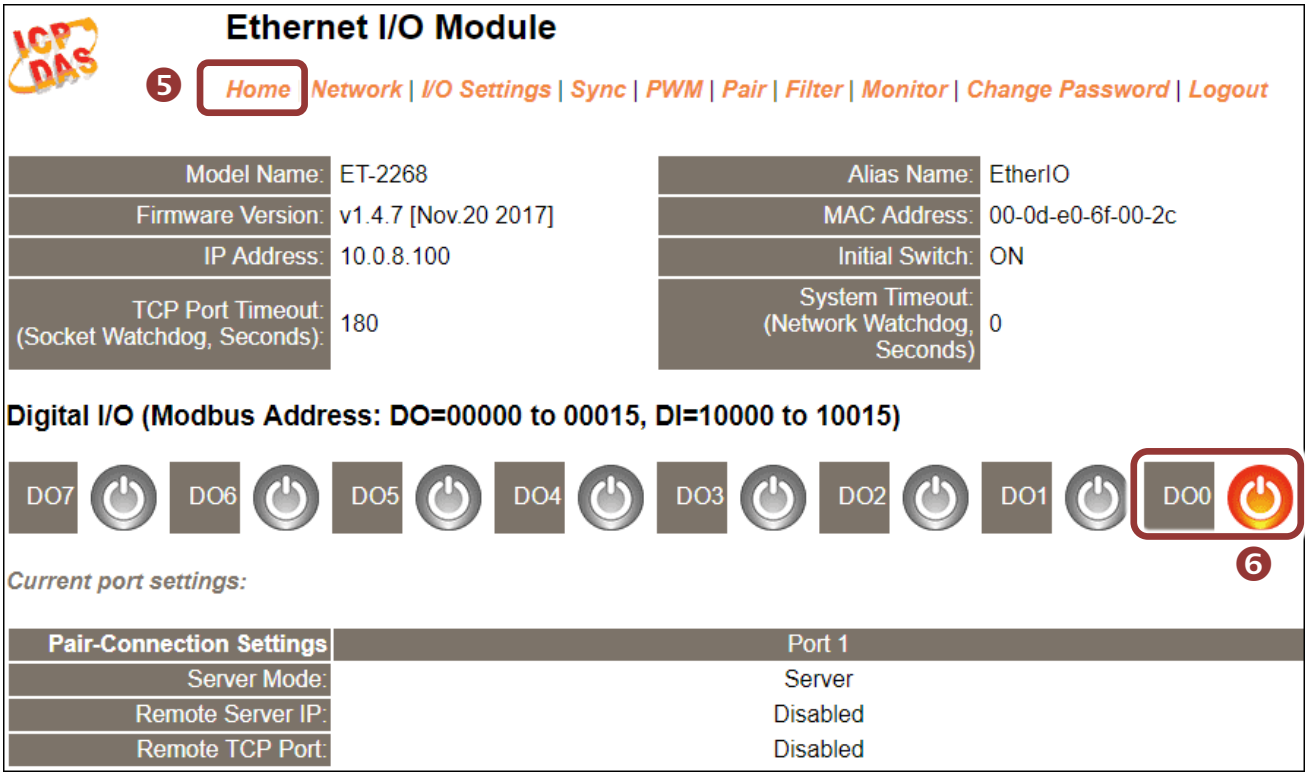
4) **Enter the password (default: Admin)**in the “login password” field and click **“Submit”**.



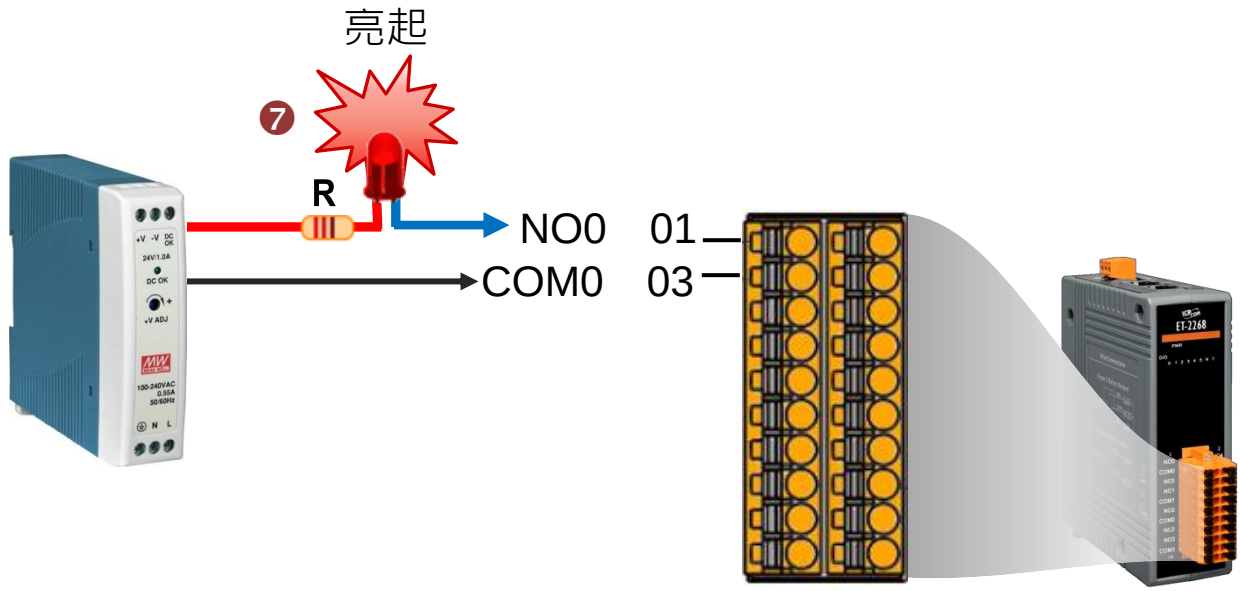
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5) In the **“Home”** page allows a simple test to be performed to verify the Digital Input and Output functionality.

6) In the **“Digital I/O”** section, click the **“DO0”** button to **ON (Red)**.



7) Verify that the **output LED** status for **“high”**.



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