

tET-P(D)2POR2/tPET-P(D)2POR2 Quick Start

v1.2, Mar. 2018

What's in the box?

The package includes the following items:



tET/tPET-P(D)2POR2 Series Module x 1



Quick Start x1 (This Document)

Related Information

- tET-P(D)2POR2/tPET-P(D)2POR2 Series Product Page:

http://www.icpdas.com/root/product/solutions/remote_io/ethernet_io/petl-7000_tpet_tet/tet-p2por2.html

- Documentation & Firmware:

http://ftp.icpdas.com/pub/cd/tinymodules/napdos/tpet/

- NS-205/NS-205PSE/DP-665 Product Page (optional):

http://www.icpdas.com/root/product/solutions/industrial_ethernet_switch/ns-205.html

http://www.icpdas.com/root/product/solutions/industrial_ethernet_switch/ns-105pse.html

http://www.icpdas.com/root/product/solutions/accessories/power_supply/dp-665.html

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

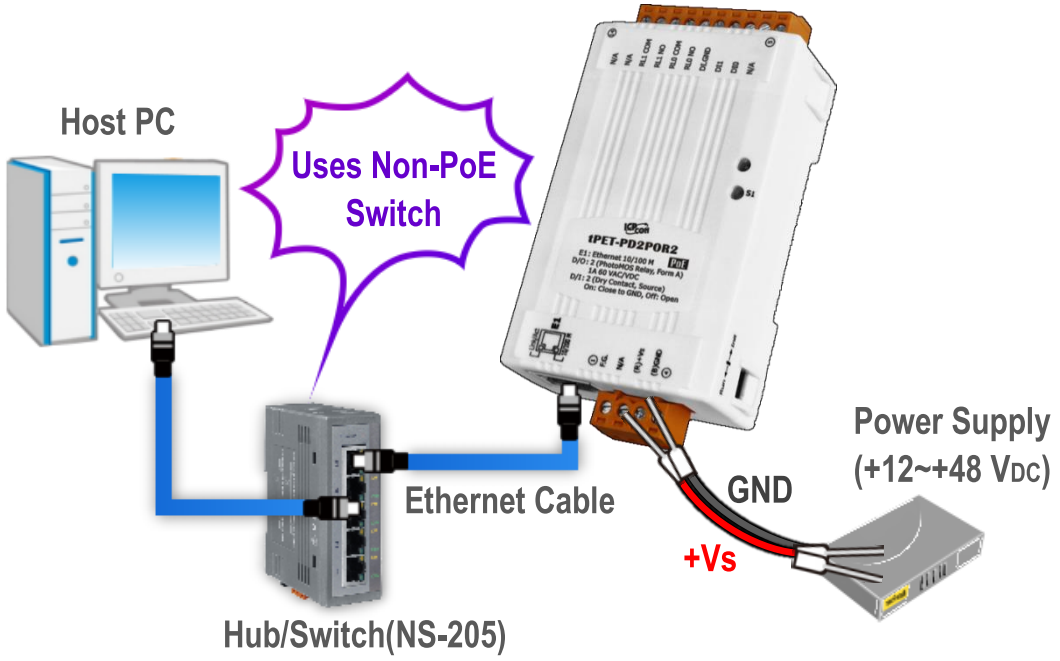
1 Connecting the Power and Host PC

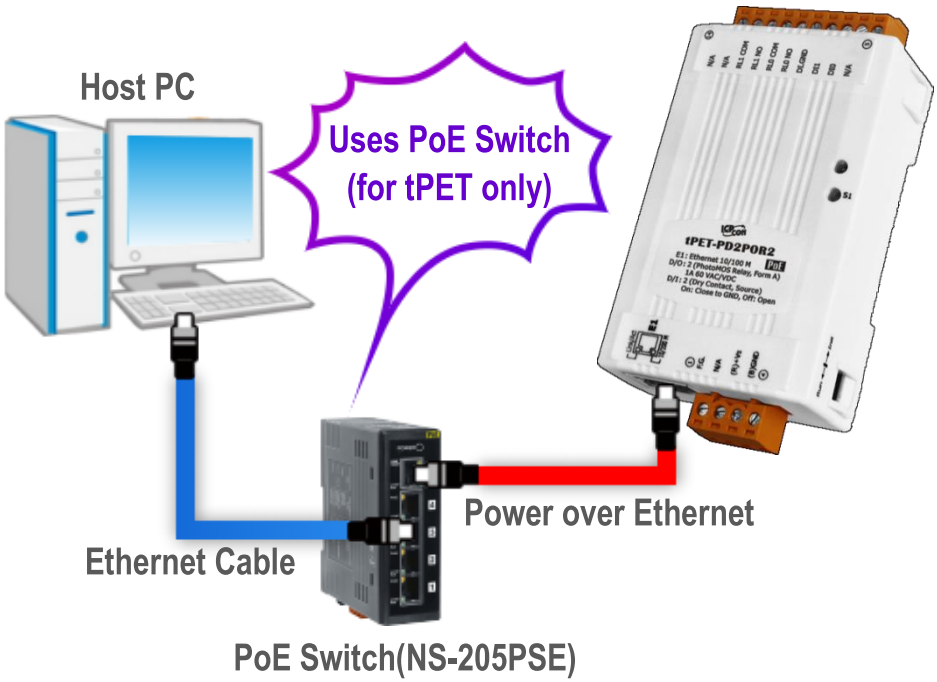
1) Make sure your PC has workable network settings.

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 tET/tPET-P(D)2POR2 and your PC to the same sub network or the same Ethernet switch.

3) Supply power **(PoE or +12~+48 VDC)** to the tET/tPET- P(D)2POR2.



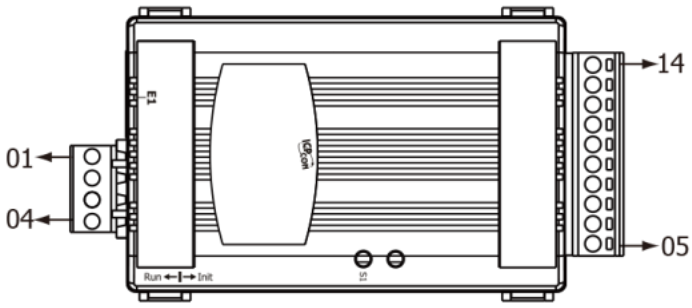


Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

2 Pin Assignments & Wiring Note

➢ Pin Assignments of the **tET/tPET-P2POR2**:

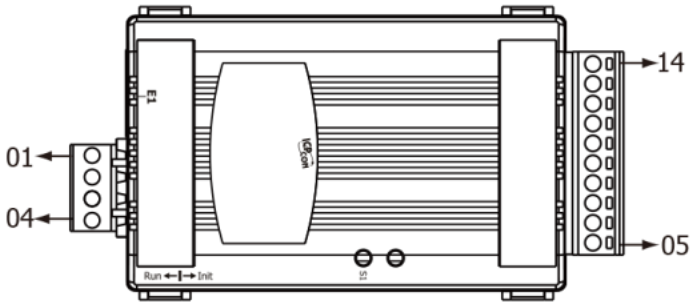
Terminal No.	Pin Assignment
E1	
01	F.G.
02	N/A
03	(R)+Vs
04	(B)GND



Terminal No.	Pin Assignment
14	N/A
13	N/A
12	RL1 COM
11	RL1 NO
10	RL0 COM
09	RL0 NO
08	N/A
07	DI1
06	DI0
05	DI.COM

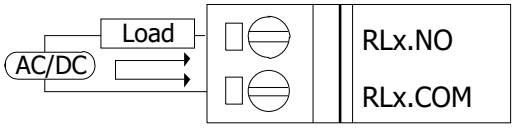
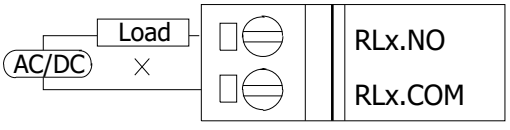
➢ Pin Assignments of the **tET/tPET-PD2POR2**:

Terminal No.	Pin Assignment
E1	
01	F.G.
02	N/A
03	(R)+Vs
04	(B)GND



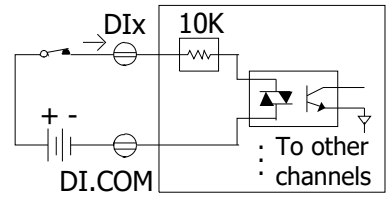
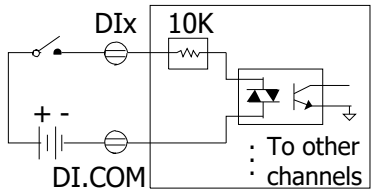
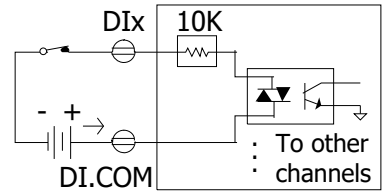
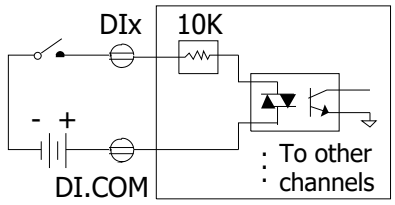
Terminal No.	Pin Assignment
14	N/A
13	N/A
12	RL1 COM
11	RL1 NO
10	RL0 COM
09	RL0 NO
08	DI.GND
07	DI1
06	DI0
05	N/A

➢ Digital Output Wiring of the **tET/tPET-P(D)2POR2**:

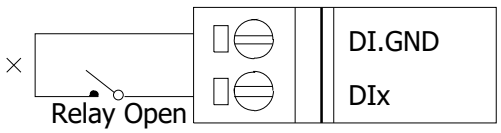
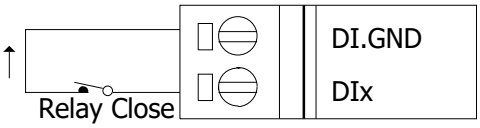
Output Type	Readback as 1	Readback as 0
Form A Relay Contact	Relay ON	Relay OFF
		

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

➢ Digital Input Wiring of the **tET/tPET-P2POR2**:

Digital Input	Readback as 1	Readback as 0
Sink	+10 ~ +50 VDC	OPEN or <4 VDC
		
Source	+10 ~ +50 VDC	OPEN or <4 VDC
		

➢ Digital Input Wiring of the **tET/tPET-PD2POR2**:

Input Type	Readback as 0	Readback as 1
Dry Contact	Relay OFF	Relay ON
		

3 Modbus Address

(1xxxx) DI address:

Begin address	Points	Description	Bits Per Point	Range	Access Type
0(0x0)	1~2	Digital Input	1	0:OFF, 1:ON	R
32(0x20)	1~2	Digital latched status (high)	1	0:NO, 1:Latched	R
64(0x40)	1~2	Digital latched status (low)	1	0:NO, 1:Latched	R

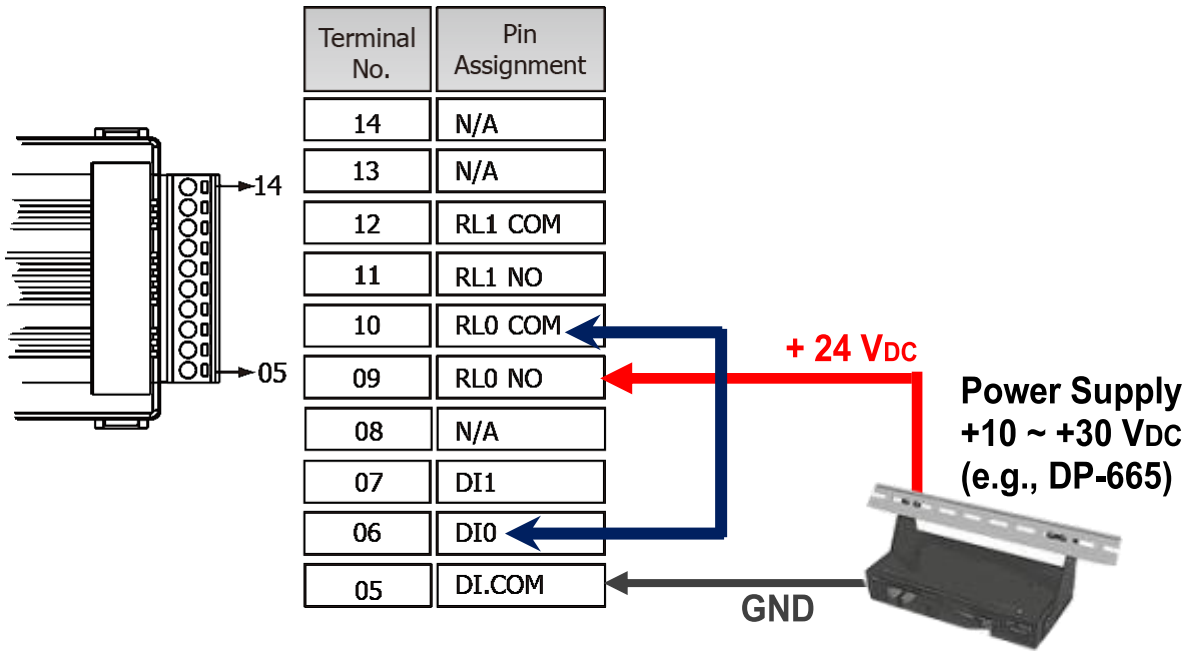
Note

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/tinymodules/napdos/tpet/document/).

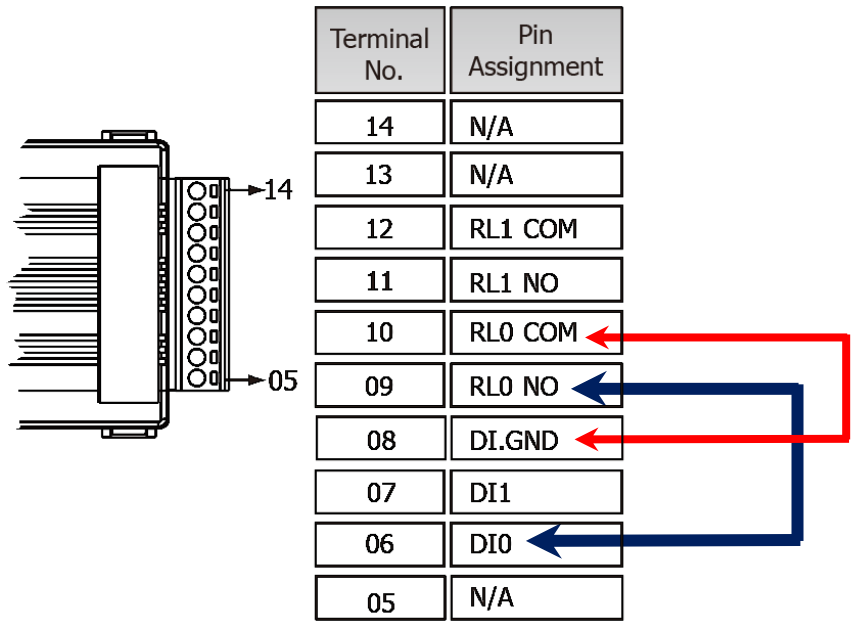
Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

4 Wire the DI and DO for Self-test

- **tET/tPET-P2POR2**:
  1) Connect the **RL0 COM pin (Pin10)** and **DI0 pin (Pin06)**.
  2) Supply the **External Power +24V** to **RL0 NO pin (Pin09)**.
  3) Supply the **External Power GND** to **DI.COM pin (Pin05)**.



- **tET/tPET-PD2POR2**:
  1) Connect the **DI0 pin (Pin06)** and **RL0 NO pin (Pin09)**.
  2) Connect the **DI.GND pin (Pin08)** and **RL0 COM pin (Pin10)**.



Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

5 Configuring Network Settings



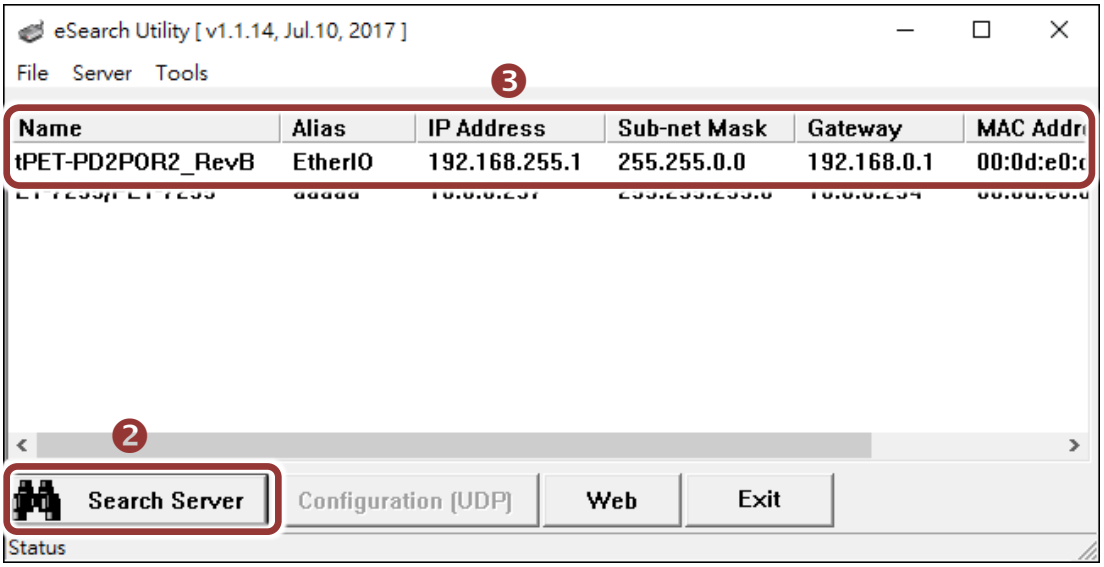
1) Run the eSearch Utility.

The eSearch Utility is located at:

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

2) Click the **"Search Servers"** to search your tET/tPET- P(D)2POR2.

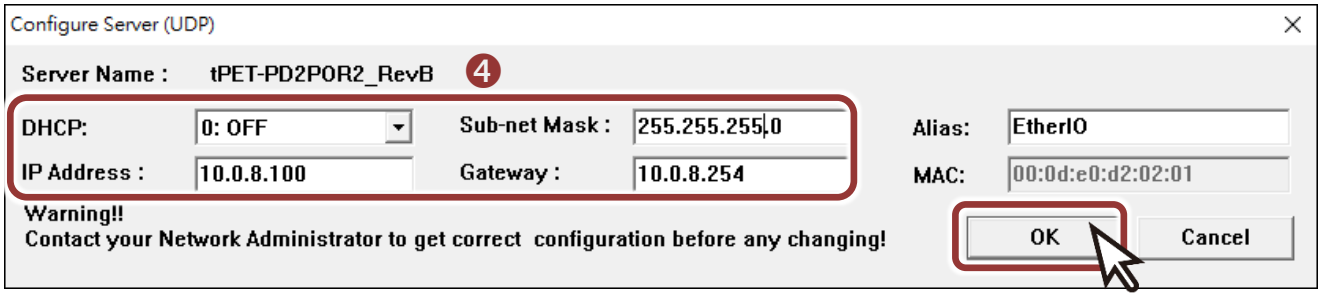
3) Double-click your tET/tPET- P(D)2POR2 to configure the settings



Factory Default Settings of tET/tPET-P(D)2POR2:

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 tET/tPET-P(D)2POR2 will use the new settings 2 seconds later.**



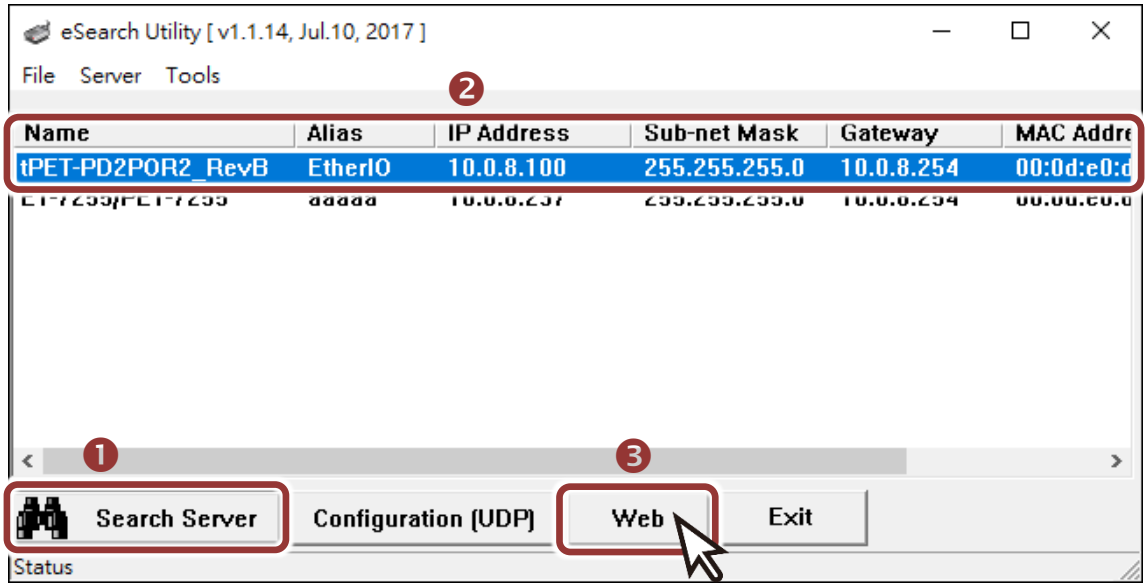
Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

6 Testing your tET/tPET Module

1) Wait 2 seconds and click **"Search Servers"** button again to ensure the tET/tPET- P(D)2POR2 is working well with new configuration.

2) Click the name of tET/tPET- P(D)2POR2 to select it.

3) Click the **"Web"** button to log in to the web configuration pages. (Or enter the URL address of the tET/tPET- P(D)2POR2 in the address bar of the browser.)



Note that if you intend to use Internet Explorer, ensure that the cache function is disabled in order to prevent browser access errors, please disable your Internet Explorer cache as follow: **(If you are not using IE browser, please skip this step.)**

Step1: Click **"Tools"** >> **"Internet Options…"** in the menu items.

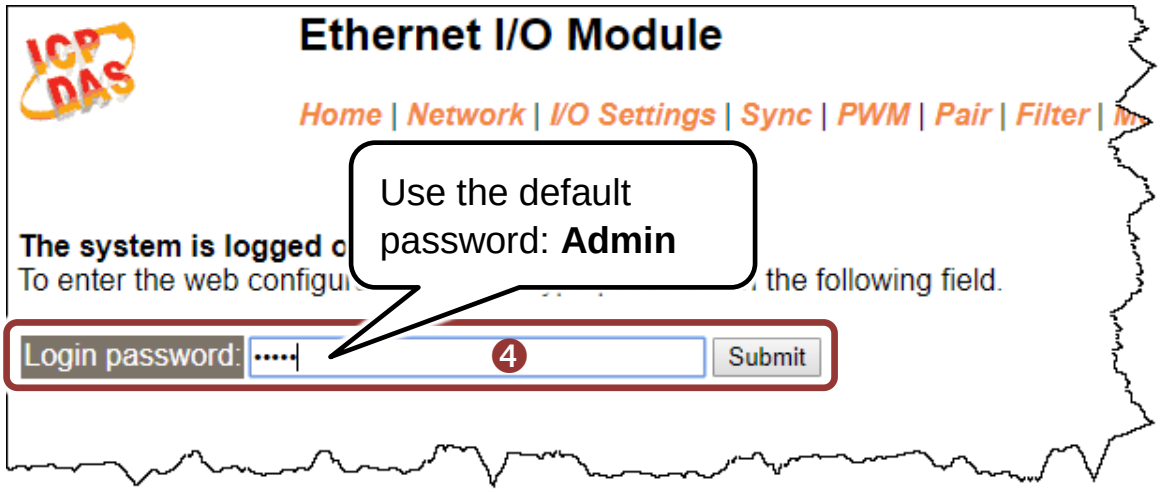
Step 2: Click **"General"** tab and click the **"Settings…"** button in Temporary Internet files frame.

Step3: Click **"Every visit to the page"** and click the **"OK"** in Settings box and Internet Options box.

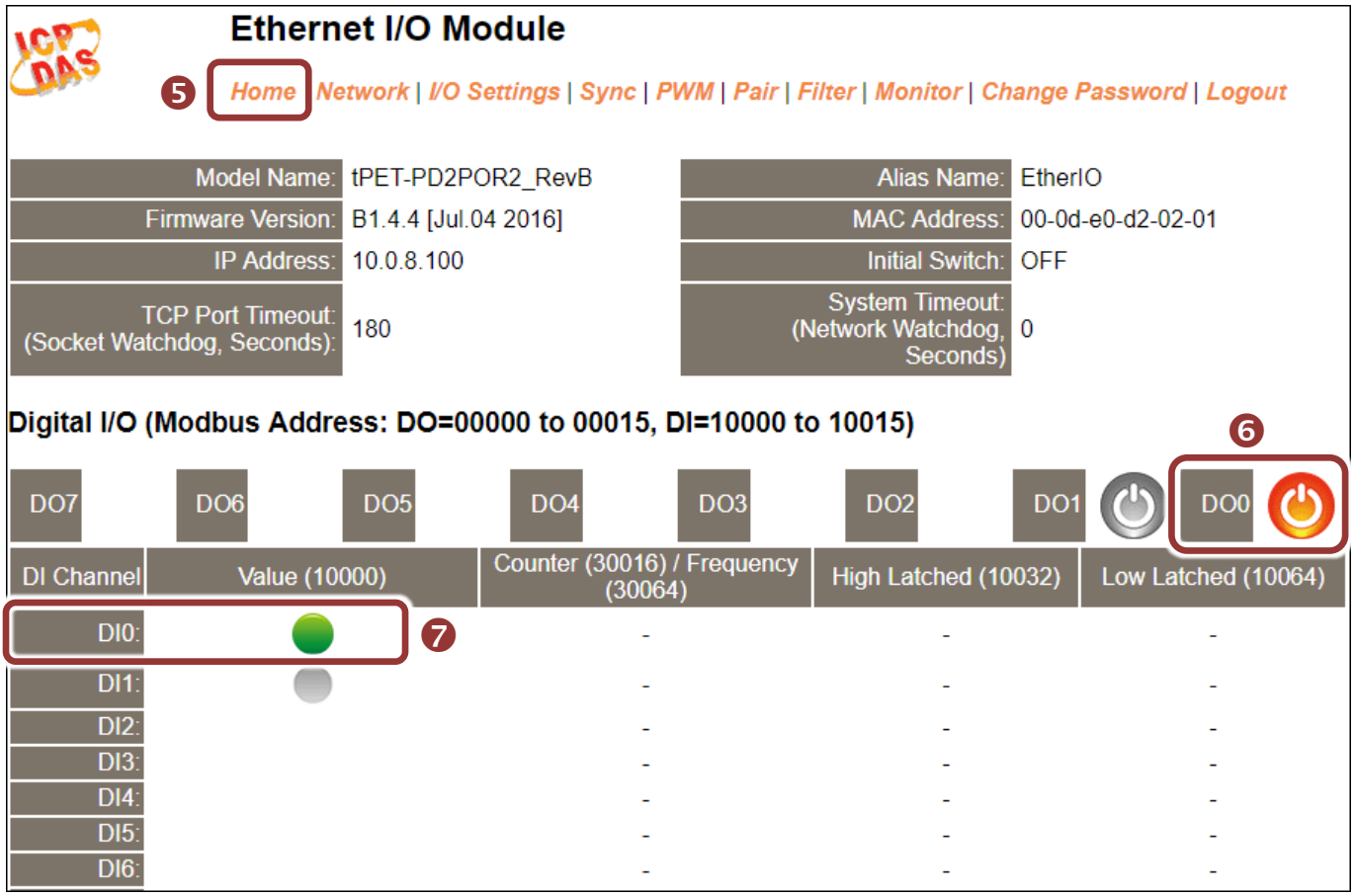
For more detail, refer to "FAQ: How to avoid a browser access error that causes a blank page to be displayed when using Internet Explorer"

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

4) **Enter the password** in the “login password” field and click **“Submit”**.



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) The corresponding DI becomes **green** for **DI0 is ON**.



Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000