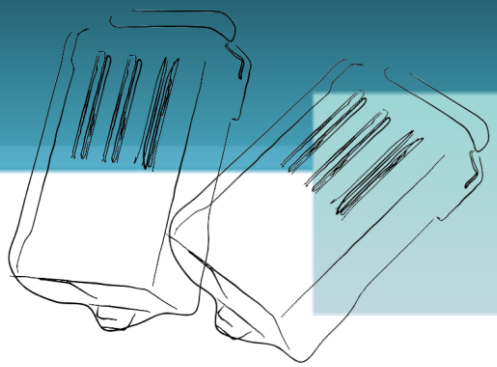
tET/tPET SERIES QUICK START GUIDE



For tET/tPET-P6
tET/tPET-PD6

English/ July 2013/ Version 1.1

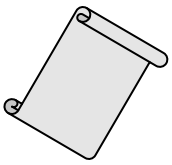
Tiny Ethernet I/O Module

1 What's in the shipping package?

The package includes the following items:

tET/tPET-P6
tET/tPET-PD6

Software CD



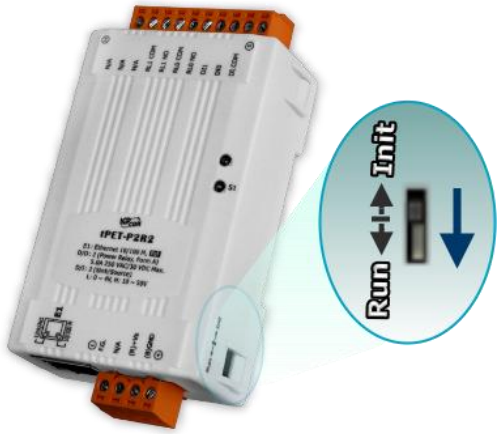
Quick Start
(This Document)

2 Preparations for devices

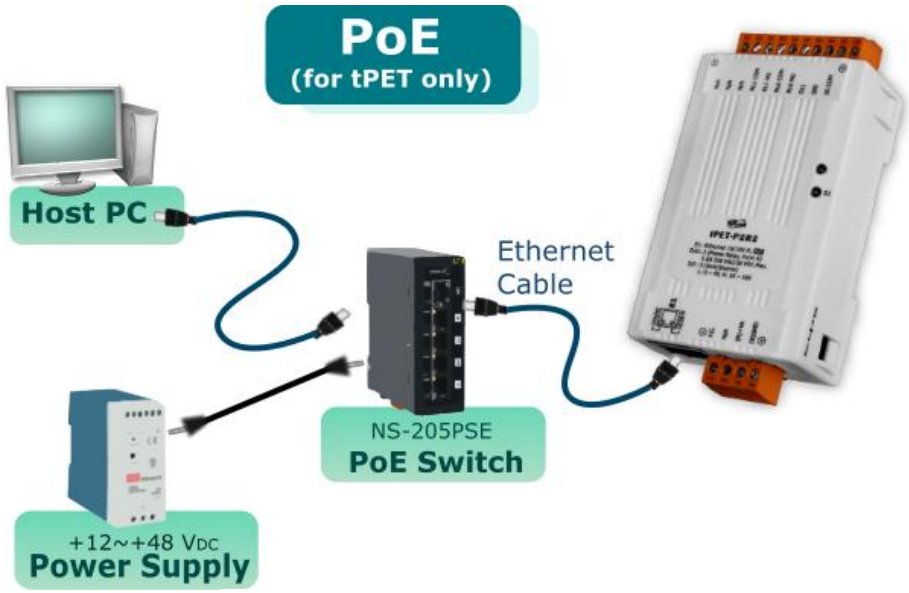
1. Power Supply:**+12 ~ +48 VDC**
2. Ethernet Hub.(PoE Ethernet Switch for tPET module only)
3. Make sure your PC has workable network settings.
4. Disable or well configure your Windows firewall and Anti-Virus firewall first, else the **"Search Servers"** on page 6 may not work. (Please contact with your system Administrator)

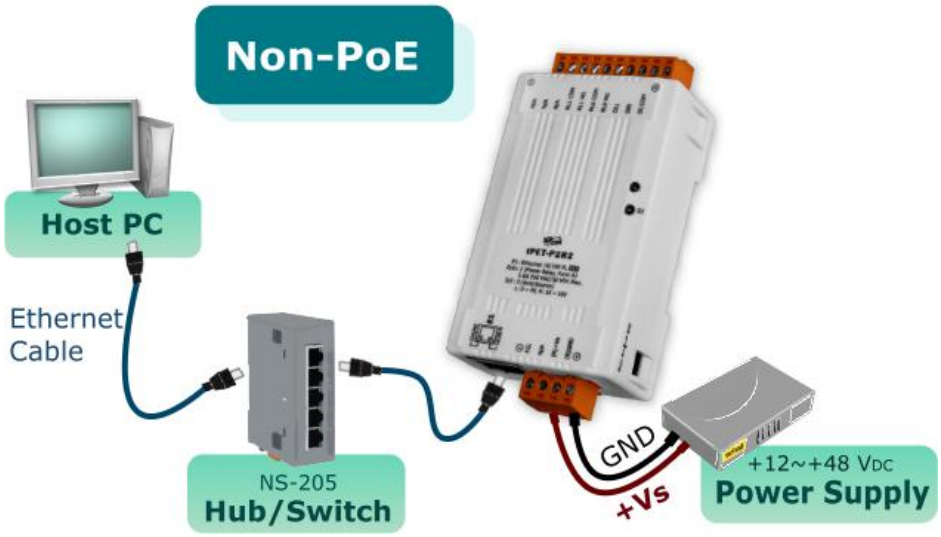
3 Connecting the Power and Host PC

1. Check Init/Run Switch is on **"RUN"** position.



2. Connect both the tET/tPET-P(D)6 and your computer to the same sub network or the same Ethernet Switch, and power tET/tPET-P(D)6 on.

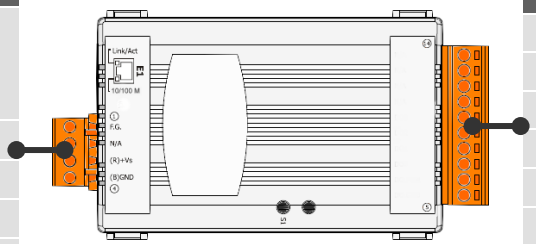




4 Pin Assignments and Wiring Note

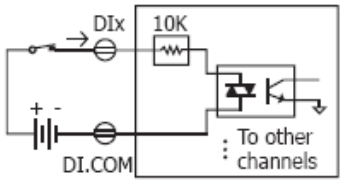
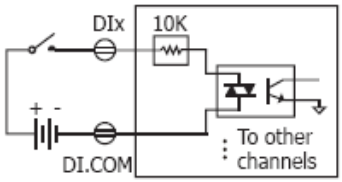
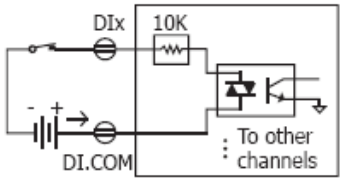
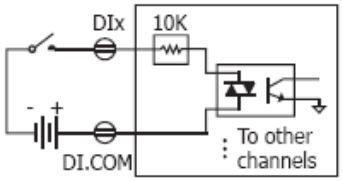
Pin Assignments of the tET/tPET-P(D)6:

Terminal No.	Pin Assignment
E1	Link/Act 10/100 M
01	F.G.
02	N/A
03	(R) +Vs
04	(B) GND

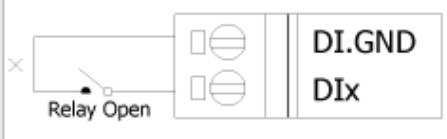
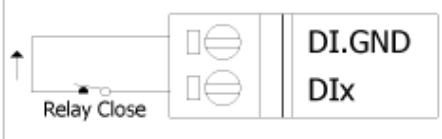


Terminal No.	Pin Assignment
14	N/A
13	N/A
12	N/A
11	DI5
10	DI4
09	DI3
08	DI2
07	DI1
06	DI0
05	DI.COM

Digital Input Wiring of the tET/tPET-P6:

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

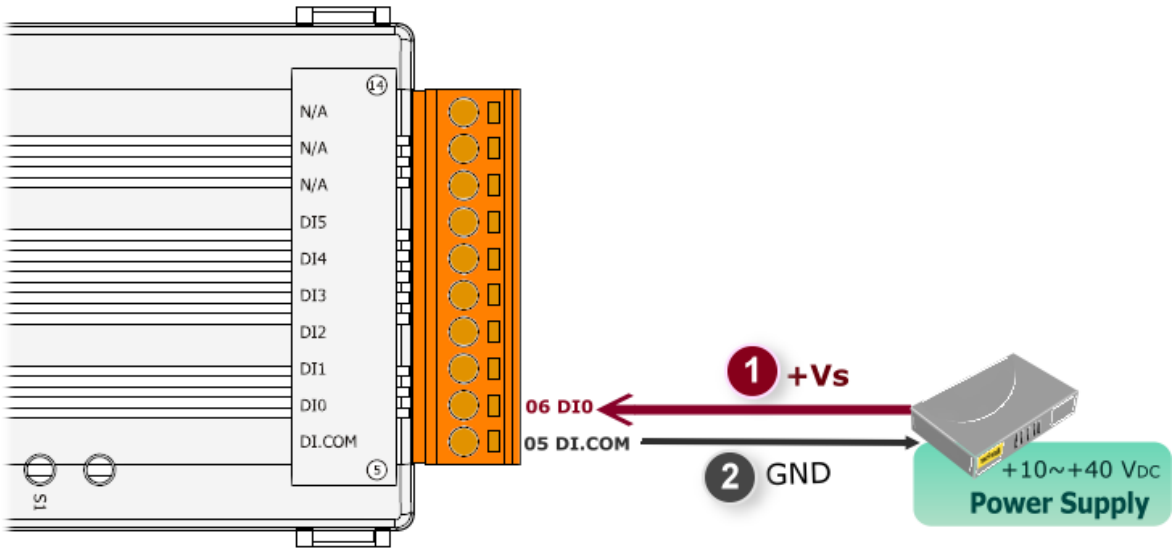
Digital Input Wiring of the tET/tPET-PD6:

Input Type	Readback as 0	Readback as 1
Dry Contact	Relay Off	Relay On
		

■ Wire the DI for self-test. The wiring as follows:

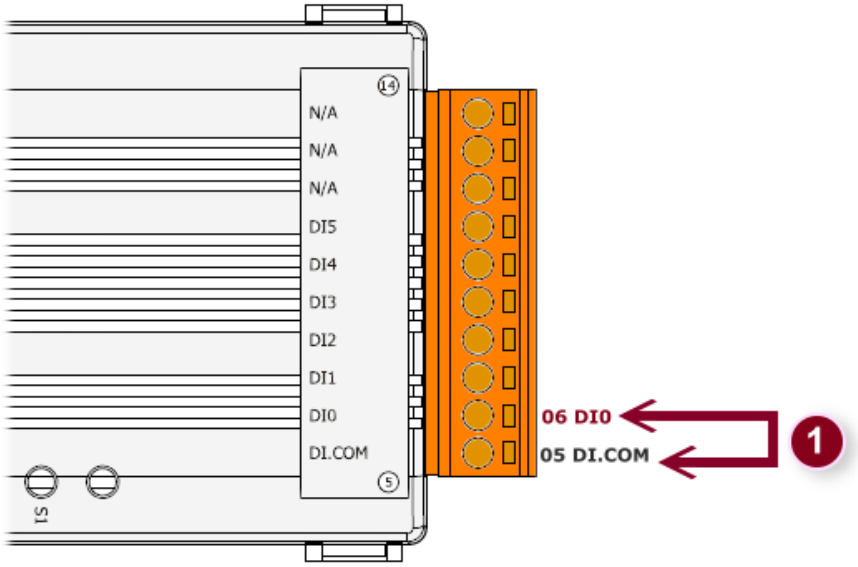
tET/tPET-P6

1. Supply the **External Power +10V** to **DI0.** (External +10V connect to Pin06)
2. Supply the **External Power GND** to **DI.COM.** (External GND connect to Pin05)



tET/tPET-PD6

1. Connect the **DI0** and **DI.COM.** (Pin06 connect to Pin05)



DI/DO Modbus Address:

(1xxxx) DI address:

Begin 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

(0xxxx) DO address:

Begin address	Points	Description	Bits per Point	Range	Access Type
32 (0x20)	1	Clear all DI latched status (high)	1	1: Clear	W
33 (0x21)	1	Clear all DI latched status (low)	1	1: Clear	W
150 (0x96)	1	Enable All DI latched status (high/low)	1	0:Disable 1:Enable	R/W/F
151 (0x97)	1~6	Enable high speed digital counter	1	0:Disable 1:Enable	R/W/F
. .	. .	. .	. .	. .	. .
32 (0x20)	1	Clear all DI latched status (high)	1	1: Clear	W

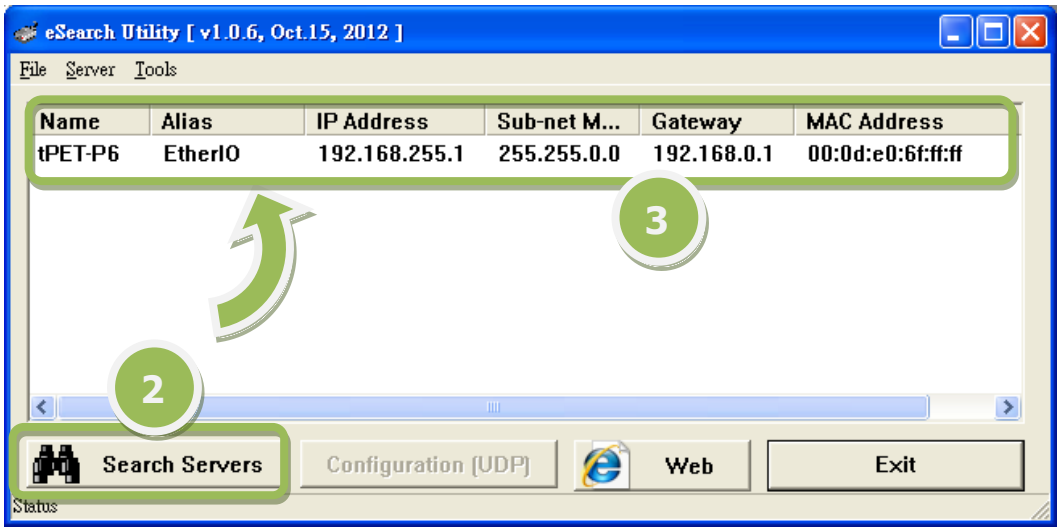
For detail "DI/DO Modbus Address" information, please refer to section **6.3 Modbus Register Map** of user's manual. CD:\NAPDOS\tPET\Document\
http://ftp.icpdas.com/pub/cd/tinymodules/napdos/tPET/document/

5 Configuring Ethernet Settings

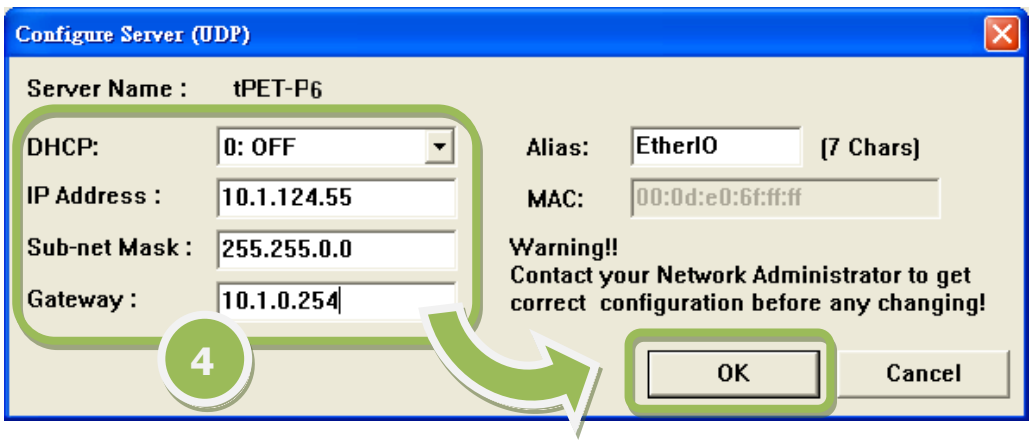
1. Run the eSearch Utility.

The eSearch Utility is located at:
CD:\Napdos\Software\eSearch\
http://ftp.icpdas.com/pub/cd/tinymodules/napdos/software/esearch/

2. Click "**Search Servers**" button to search your tET/tPET-P(D)6.
3. Double-Click your tET/tPET-P(D)6 to configure the settings.



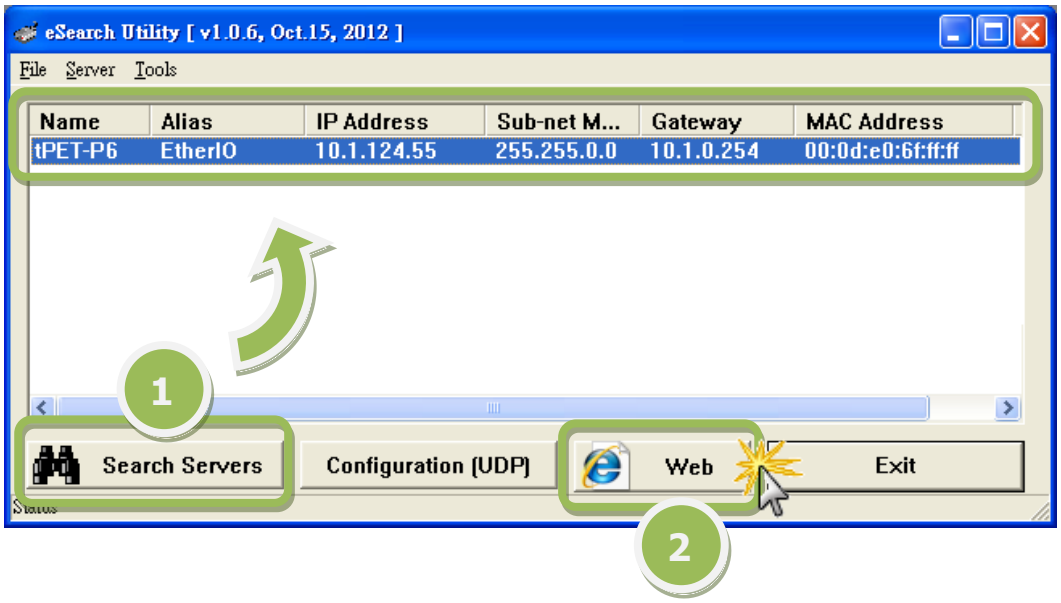
4. Contact your Network Administrator to get correct network configuration. Modify the network settings and then click "**OK**" button. The tET/tPET-P(D)6 will restart it-self immediately.



6 Testing your tET/tPET Module

1. Wait 2 seconds and then click the "**Search Servers**" button again to ensure the tET/tPET-P(D)6 is working well with new configuration.

2. Click the "**Web**" button to link the tET/tPET-P(D)6 web server.

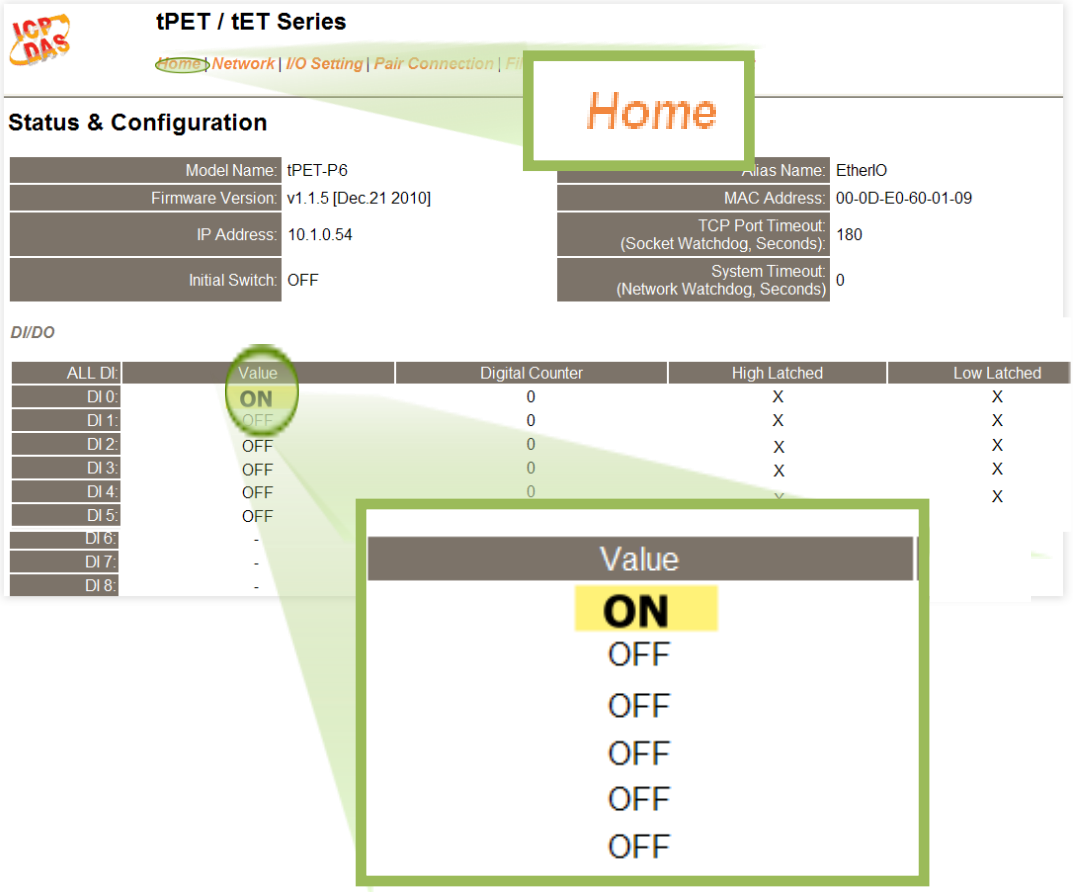


3. Enter the password and click the "**Submit**" button to enter the configuration web page. (The factory default password: **Admin**)

4. Control the I/O for simple test.

Step 1: Open the power supply as DI0 input.

Step 2: In the "Home" page, check that the "DI0" status should show current status is "ON".



Related Information

- **tET/tPET-P(D)6 Series Product Page:**
  http://www.icpdas.com/products/Remote_IO/petl-7000/tpet-pxc2a2.htm

- **tET/tPET Series Documentations and Firmware::**

  CD:\Napdos\tPET\document\
  http://ftp.icpdas.com/pub/cd/tinymodules/napdos/tPET/document/

  CD:\ Napdos\tPET\firmware\
  http://ftp.icpdas.com/pub/cd/tinymodules/napdos/tPET/firmware/

- **NS-205, NS-205PES Product Page (optional):**
  http://www.icpdas.com/products/Switch/industrial/ns-205.htm
  http://www.icpdas.com/products/Switch/industrial/ns-205pse.htm

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