

tET-C4/tPET-C4 Quick Start

v1.1, Feb. 2018

What's in the box?



Related Information

• tET-C4/tPET-C4 Series Product Page:

http://www.icpdas.com/root/product/solutions/remote_io/ethernet_io/petl-7000_tpet_t et/tet-a4.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

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-C4 and your PC to the same sub network or the same Ethernet switch.
- 3) Supply power (PoE or +12~+48 Voc) to the tET/tPET- C4.



2 **Pin Assignments & Wiring Note**

Pin Assignments:



Digital Output Wiring: \triangleright

Output Type	Readback as 1	Readback as 0		
	Relay ON	Relay OFF		
Drive Relay	DO.PWR □⊖ DOx DOx DO.GND	DO.PWR □⊖ DOx DOx DOx DO.GND		
Resistance Load	+ $+$ $+$ $ -$	$ \begin{array}{c} + & + \\ - & - $		

05



- 1) Use output LED to connect the DO.PWR(Pin06) and DO0(Pin07).
- 2) Connect the **External Power +24V** to **DO.PWR(Pin06)**.
- 3) Connect the External Power GND to DO.GND(Pin05).





Modbus Address

> (0xxxx) DO address:

Begin address	Points	Description	Bits Per Point	Range	Access Type
0 (0x0)	4	Digital Output	1	0: OFF 1: ON	R/W
•	•		•	•	•
235 (0xEB)	4	Power-on value for DO	1	0: OFF 1: ON	R/W/F
267 (0x10B)	4	Safe value for DO	1	0: OFF 1: ON	R/W/F

A Note

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

Technical support: service@icpdas.com

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/

learch.exe

2) Click the "Search Servers" to search your tET/tPET-C4.

3) Double-click your tET/tPET-C4 to configure the settings

🥩 eSearch Utility [v1.	1.14, Jul.10, 20)17]		-	- 🗆	×
File Server Tools		B				
Name	Alias	IP Address	Sub-net Mask	Gateway	MAC Add	iress
tPET-C4_RevB	EtherIO	192.168.255.1	255.255.0.0	192.168.0.1	00:0d:e0	1:00:c
E177200/FE177200	aaaaa	10.0.0.237	200.200.200.0	10.0.0.234	00.00.60	.00.0
< 2						>
AA Search Serve	Config	uration (UDD)	Mah E	vit		
Search Server			YYED L			
Status						1

Factory Default Settings of tET/tPET-C4:

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". A Note: The tET/tPET-C4 will use the new settings 2 seconds later.

Configure Server (U	IDP)					Х
Server Name :	tPET-C4_RevB	4				
DHCP:	0: OFF 💌	Sub-net Mask :	255.255.255.0	Alias:	EtherIO	
IP Address : Warning!!	10.0.8.100	Gateway :	10.0.8.254	MAC:	JUU:Ud:eU:UU:c4	:02
Contact your Ne	etwork Administrator to g	get correct configur	ation before any changing!	L	ок	Cancel

6 Testing your tET/tPET Module

- 1) Wait 2 seconds and click "Search Servers" button again to ensure the tET/tPET-C4 is working well with new configuration.
- 2) Click the name of tET/tPET-C4 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-C4 in the address bar of the browser.)

🥩 eSearch Utility [v1.1	.14, Jul.10, 20	17]		-	- 🗆 X	
File Server Tools		2				
Name	Alias	IP Address	Sub-net Mask	Gateway	MAC Addres	s
tPET-C4_RevB	EtherIO	10.0.8.100	255.255.255.0	10.0.8.254	00:0d:e0:00	:c
E1-1200/PE1-1200	вееее	10.0.0.237	200.200.200.0	10.0.0.234	UU.UU.CU.OS	.3
< 0			3			>
Search Server	Config	uration (UDP)	Web E	×it		
Status			K			1

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.)

<u>Step1:</u> Click "**Tools**" >> "**Internet Options...**" in the menu items.

<u>Step 2:</u> Click "**General**" tab and click the "**Settings**..." button in Temporary Internet files frame.

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

For more detail, refer to <u>"FAQ: How to avoid a browser access error that causes a</u> blank page to be displayed when using Internet Explorer" 4) Enter the password in the "login password" field and click "Submit".



5) In the "Home" page page allows a simple test to be performed to verify the Digital Output functionality.



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

Ethernet I/O Module Home Network I/O Settings Sync PWM Pair Filter Monitor Change Password Logout						
Model Name:	tPET-C4_RevB	Alias Name:	EtherIO			
Firmware Version:	B1.4.6 [Jun.16 2017]	MAC Address:	00-0d-e0-00-c4-02			
IP Address:	10.0.8.100	Initial Switch:	OFF			
TCP Port Timeout: (Socket Watchdog, Seconds):	180	System Timeout: (Network Watchdog, Seconds)	0			
Digital I/O (Modbus Addre	ss: DO=00000 to 00015, D	l=10000 to 10015)	6			
D07 D06	DO5 DO4	DO3 🕐 DO2 🕐	D01 🕐 D00 🕑			
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7) Check DO0 (Pin07) of output LED state for high.

