# PDS SERIES QUICK START GUIDE



## For PDS-700 Series

English/ August 2011/ Version 1.2











**PDS-700 Series** 

Software CD Quic

Quick Start Guide (This Document)

CA-0910 Cable

Preparations for devices

- 1. Power Supply: +10 ~ +30 Vpc. (Ex: DP-665)
- 2. Ethernet Hub. (Ex: NS-205)
- 3. 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 page 3 may not work. (Please contact with your system Administrator)

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- 1. Wire "RxD1" and "TxD1" of the PDS-700 for self-test.
- Connect both the PDS-700 and your computer to the same sub network or the same Ethernet Switch, and power the PDS-700 on.





#### Install VxComm Utility:

The software is located at: CD: \NAPDOS\Driver\VxComm\_Driver http://ftp.icpdas.com/pub/cd/8000cd/napdos/driver/vxcomm\_driver/



### **Configuring Ethernet Settings**

- **1.** Double click the VxComm Utility shortcut on the desktop.
- 2. Click "Search Servers" button to search your PDS-700.
- 3. Double-Click the PDS-700 to configure the Ethernet Settings.

🦪 🕅	Comm Utility [	v2.11.03,	Nov.18, 2010 ]				
<u>File S</u>	erver <u>P</u> ort <u>T</u> ool	ls					
		D Config	Configure Server		Configure Port		
V)	where remote serve and become part of your PC Addd Server	(s)	VxComm Servers		Port V	Virtual COM Baudrate	
Clic	k "Searcl	h Serv	vers"	Double-	Click you	ır PDS-700	
M	Search Serv	vers			 		
Co	Name	Alias	IP Address	Sub-net Mask	Gateway	MAC Address	DH
	ET-7042	N/A	10.0.8.193	255.255.255.0 🕴	10.0.8.254	00:0d:e0:d0:25:2f	OF
	PDS-782	N/A	192.168.255.1	255.255.255.0	192.168.0.1	00:0d:e0:20:00:07	01
	E1-7051	N/A	10.0.8.194	255.255.255.0	10.0.8.254	UU:Ud:eU:dU:d7:16	OF
Status							- //.

 Contact your Network Administrator to get correct network configuration. Modify the network settings and then click "OK". The PDS-700 will restart it-self immediately.

Configure Server (U	DP)				
Server Name :	PDS-782				
IP Address :	10.0.8.20	Alias:		(7 Chars)	
Sub-net Mask :	255.255.255.0	MAC:	00:0d:e0:20:00	:07	
Gateway :	10.0.8.254	DHCP:	0: OFF 💌		
Warning!! Contact your Network Administrato get OK Cancel					



 Wait 2 seconds and the click the "Search Servers" button again to ensure the PDS-700 is working well with new configuration.



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 Click the "Add Server[s]" button. Assign a COM Port number and click "OK" to save your settings.

<b>₩ Y</b> xComm Utility [ y2.11.03	3. Nov.18, 2010 1				
<u>File S</u> erver <u>P</u> ort <u>T</u> ools					
Configure Server			Configure Port		
VxCommunity Where remote server	VxComm Servers Adding Servers	Port	Virtual COM	Baudrate 🛛	
Add Server(s)	IP Range Advanced Options			1	
X Remove Server	Server Information Server Name :	Ge	t name autom	atically	
Web	IP Range Start : 10.0.8.20	Sk	ip duplicated l	P	
Configuration (UDP)	IP Range End :  10.0.8.20 Includes the following spe As	ssign a	COM por	t	
Exit	Virtual COM and I/O Port Mappings	nur	nder		
	COM Port : COM2 - Fixed baudra COM2 ing	gs of serve	ers.		
Status	Maps virtual COM4 COM5 COM6 COM7	Serv	rers.		
	COM8 COM9 COM10		ОК	Cancel	
	COM11 COM12 COM13			νų.	
	COM14 COM15				

**3.** Click on PDS-700 name and check the virtual COM port mappings on the PC.

Configure Server		Check C	OM port	
VxComm Servers	Port	Virtual COM	Baudrate	
	Port I/O	Reserved	N/A	
	Port 1	COM2	Dynamic	
	Port 2	COM3	Dynamic	_
	Port 3	COM4	Dynamic	_
	Port 4	COM5	Dynamic	_
	Port 5	COM6	Dynamic	_
	Port 6	COM7	Dynamic	_
	Port 7	COM8	Dynamic	
	Port 8	COM9	Dynamic	

4. Click "<u>Tools</u>" >> "<u>Restart Driver</u>", and then click the "Restart Driver" button.



#### **Testing your PDS-700**

 Right click Port 1 and then choose the "<u>Open COM Port</u>" item.

Configure Server		Config	jure Port	
VxComm Servers	Port	Virtual CON	A Baudrate	
PDS-782 (10.0.8.20)	ort I/O	Reserved	N/A	
	Port 1	COM2	Dunamic	
	Port 2	COM3	∬ <u>C</u> onfigure Port	
	Port 3	COM4	Open COM Port	
	Port 4	COM5	Open TCP Port	
	Port 5	сомб 🗌	Byname	15
	Port 6	COM7	Dynamic	
	Port 7	COM8	Dynamic	
	Port 8	COM9	Dynamic	
			· · · · · · · · · · · · · · · · · · ·	

6

 Check that the configuration of the COM Port is correct and then click the "Open COM" button.

0	Configuration Setting - ICP DAS Co., L	td.		×
[	COM Port TCP/IP Port			1
	COM Port : COM2 Baudrate : 115200 Open COM	Data Bits : Parity Bit : Stop Bits :	8 • None • 1 •	
				,

**3.** Type a string in the send field then click the **"Send"** button. If a response is received, it will be displayed in the received field.

nd \$01M	Send Send Interval (ms
COM2 - Terminal ¥1.0.8 (Jan.14, 2010)	
Send \$01M	Send
(Hex) 24 30 31 4D	
Received	□ Send with CR (0x0D)
24 30 31 4D	\$01M
	⊂ Text
Response Message	
	E VII

**4.** If the test is successful, then your COM port program should now be able to work with this Virtual COM Port.

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### **Related Information**

- PDS-700 Series Product Page: <u>http://www.icpdas.com/products/Industrial/pds/PDS-700\_Series.htm</u>
- PDS-700 Documentations: CD:\Napdos\PDS\PDS-700\document\ <u>http://ftp.icpdas.com/pub/cd/8000cd/napdos/pds/pds-700/document/</u>
- PDS-700 firmware: CD:\Napdos\PDS\PDS-700\Demo\Firmware\ <u>http://ftp.icpdas.com/pub/cd/8000cd/napdos/pds/pds-700/demo/firmware/</u>
- NS-205 and DP-665 Product Page (optional): <u>http://www.icpdas.com/products/Switch/industrial/ns-205.htm</u> <u>http://www.icpdas.com/products/Accessories/power\_supply/dp-665.htm</u>

#### Note!!

The flash protection function is disabled for factory default settings. User can modify the program or update the firmware. If you want to enable flash protection function, refer to user manual section 3.9 Flash Protection Function.

CD:\NAPDOS\PDS\PDS-700\Document\

http://ftp.icpdas.com/pub/cd/8000cd/napdos/pds/pds-700/document/



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