PDS SERIES QUICK START GUIDE



For PDS-5105D-MTCP

English/November 2011/Version 1.0

What's in the shipping package?

The package includes the following items:



PDS-5105D-MTCP







Software CD Quick Start Guide (This Document)

CA-0910 Cable



Preparations for Device

- 1. Power Supply: $+10 \sim +30$ Vpc (Ex: DP-665) http://www.icpdas.com/products/Accessories/power_supply/power_list.htm
- Ethernet Hub (Ex: NS-205) http://www.icpdas.com/products/Switch/industrial/industrial list.htm
- 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 3 may not work. (Please contact with your system Administrator)

PDS-5105D-MTCP Quick Start Guide



- 1. Connect both the PDS-5105D-MTCP and your computer to the same sub network or the same Ethernet Switch.
- Short the RxD and TxD pins (Pin4 and Pin5) of COM1 for selftest.
- 3. Supply +10~+30 VDC power to the PDS-5105D-MTCP module.



Installing Software on Your PC

Install VxComm Utility (V2.11.03 or later):

The software is located at: CD: \NAPDOS\Driver\VxComm_Driver http://ftp.icpdas.com/pub/cd/8000cd/napdos/driver/vxcomm_driver/



- 1. Double click the VxComm Utility shortcut on the desktop.
- 2. Click the "Search Servers" button to search your PDS-5105D-MTCP.
- 3. Double click the name of PDS-5105D-MTCP to open the configure server dialog box.



4. Contact your Network Administrator to obtain a correct network configuration (such as **IP/Mask/Gateway**). Enter the network settings and then click "**OK**" button. The PDS-5105D-MTCP will use the new setting 2 seconds later.

Configure Server (UDP)		4. Configure the Ethernet settings			×
Server Name :	PDS-5105	D-MILP			
DHCP:	0: 0FF	•	Alias:		(7 Chars)
IP Address :	10.1.0.78		MAC:	00:0d:e0:d0:34	:1f
Sub-net Mask :	255.255.0.0		Warning!!		
Gateway :	10.1.0.254		correct co	nfiguration 5.	Click anging!
				ОК	Cancel

5. Wait 2 seconds and then click the "**Search Servers**" button again to ensure the PDS-5105D-MTCP is working well with new configuration.

🥪 ¥xComm Utility [v2.11.	02, Aug.30, 2010]								
<u>File S</u> erver <u>P</u> ort <u>T</u> ools									
	P	Config	ure Server			Conf	igure P	ort	
Where remote serve are the term	V×Comm Ser	vers			Port	Virtual C	ЮМ	Baudrate	
Add Server(s) 2. Click your PDS-5105D-MTCP in the list									
I. GIICK					l.				
	Name	Alias	IP Address	Sub-ne	t Mask	Gateway	MAC A	ddress	DHCP
Search Servers	PDS-782 PDS-5105D-MTCP	N/A	10.1.0.13	255.25	5.0.0	10.1.0.254	00:0d:e	e0:50:00:95	OFF
Configuration (UDP)	1 DO STOJD MITCH	NVA.	10.1.0.70	233.23	5.0.0	10.1.0.2.54	00.00.0		UT1
Exit									Т
Status	,								11

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

💞 YxComm Utility [v2.11.0)2, Ang.30, 2010]	
<u>File S</u> erver <u>P</u> ort <u>T</u> ools		
	Adding Servers	
	IP Range Advanced Options	
3. Click	Server Information Server Name : PDS-5105D-MTCP Get name automatically IP Range Start : 10.1.0.78 Skip duplicated IP IP Range End : 10.1.0.78	
Web	Includes the following special IP: 0 (Net) 4. Assign a COM Virtual COL Port number	
Configuration (UDP) Exit	COM Port : COM2	
Status	Maps virtual (COM12 COM12 COM13 COM14 COM15 COM16 COM17 OK	Cancel

7. Click on PDS-5105D-MTCP name and check the virtual COM port mappings on the PC.

🛷 ¥xComm Utility [v2.11.0	02, Aug.30, 2010]					
<u>File S</u> erver <u>P</u> ort <u>T</u> ools						
	P	Configure Server			Configure	Port
VxConfiner & utility Where remote series approximate become part of your PC		vers D-MTCP (10.1.0.7	8]	Port Port VO Port 1 Port 2 Port 3	Virtual COM Reserved COM11 COM12 COM13	Baudrate N/A Dynamic Dynamic Dynamic
Add Server(s)				Port 4 Port 5 Port 6	COM14 COM15 COM16	Dynamic Dynamic Dynamic
Remove Server				Port 8 Port 9	COM17 COM18 COM19	Dynamic Dynamic Dynamic
🔮 Web	Nama	Aliao ID Add		Port 10	COM20	
Search Servers	PDS-5105D-MTCP	N/A 10.1.0.78	6. Che	eck the	COM Port	A:1f OFF
Configuration (UDP)						
Exit						
Status						1.

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





1. Right click Port 1 and then choose the "Open COM Port" item.

Configure Server		Configure Port
	Port	Virtual C 1. Right Click
PDS-5105D-MTCP (10.1.0.78)	Port I/O	Reserved / N/A
	Port 1	COM11 Dynamic
	Port 2	COI Configure Port
	Port 3	COI Oran COM Bart hic
	Port 4	COI Open COM For
	Port 5	COL
	Port 6	COM16 Dyna 2. Click
	Port 7	COM17 Dyna
	Port 8	COM18 Dynamic
	Port 9	COM19 Dynamic
	Port 10	COM20 Dynamic
		-

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

0	Configuration Se	etting					X
ſ	COM Port TC	P/IP Port					
	COM Port :	СОМ1	•	Data Bits :	8	•	
	Baudrate :	115200	3. Cli	ck rity Bit :	None	•	
		Open CO	м	Stop Bits :	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.

🥔 СОМ11	- Terminal ¥2.11.02 (Aug.30, 2010)	4. C	lick	
Send	\$01M	Send	Sen	d Interval (ms)
(Hex)	24 30 31 4D			0
🥑 CON	(11 - Terminal ¥2.11.02 (Aug.30, 2010)			
Sen	d \$01M	Sen	d _	Clear Recevied
(He>	() 24 30 31 4D			Mode
Rec	eived 🔽 Send with Cl	R (0x0D)		● Hex/Text
24 3	30 31 4D	\$01M		C Hex
5	. Response Message			© Text

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

Complete

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PDS-5105D-MTCP product page: http://www.icpdas.com/products/Industrial/pds/PDS Series Main Page.htm

DP-665 and NS-205 (optional) product page: http://www.icpdas.com/products/Accessories/power_supply/power_list.htm

http://www.icpdas.com/products/Switch/industrial/industrial_list.htm

ICP DAS Web Site: http://www.icpdas.com Contact Us (E-Mail): <u>service@icpdas.com</u> ,<u>service.icpdas@gmail.com</u>