

# Quick Start Guide for I-7188E Converter

September 2012, Version 1.0.1

# **Congratulations!**

Congratulations on purchasing I-7188E - the most popular automation solution for remote monitoring and control application. This Quick Start Guide will provide information needed to get started. Please also consult the User Manual for detailed information on the setup and use of I-7188E. This guide covers the following models:

I-71881, I-7188E2, I-7188E3, I-7188E3-232, I-7188E4, I-7188E5, I-7188E5-485, I-7188E8

### What's in the Box?

In addition to this guide, the package includes the following items:









I-7188E Converter

Software Utility CD

RS-232 Cable (CA-0910)

Screw Driver (1C016)

# **Technical Support**

I-7188E Reference Document
 CD:\NAPDOS\7188e\Document\
 <u>ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/7188e/document/</u>

### • I-7188E Website

http://www.icpdas.com/products/PAC/i-7188 7186/7188EN converter.htm



Step 1: Connect to a +10 ~ +30 V<sub>DC</sub> power supply

- i. +Vs of the I-7188E should be connected to the positive of the power supply.
- ii. GND of the I-7188E should be connected to the negative of the power supply.

Step 2: Connect to a PC

Ethernet port of the I-7188E should be connected to a PC via a hub by using an Ethernet cable.





# Installing the Tools and Utilities

### Step 1: Install the MiniOS7 Utility



The MiniOS7 Utility can be obtained from companion CD or our FTP site: CD:\Napdos\minios7\utility\minios7\_utility\ ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/minios7/utility/minios7\_utility/

### Step 2: Install the VxComm Utility



The VxComm Utility can be obtained from companion CD or our FTP site: CD:\Napdos\Driver\VxComm\_Driver\ ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/driver/vxcomm\_driver/

# **3** Using MiniOS7 Utility to Assign an IP Address

**MiniOS7 Utility** can be used to configure the IP address. Before starting the configuration process, make sure that the **I-7188E** are used to connect to your network. The default IP addresses are as follows:

Item	Default
IP Address	192.168.255.1
Subnet Mask	255.255.0.0
Gateway	192.168.0.1

### Step 1: Run the MiniOS7 Utility, and then search the I-7188E



i. Double-click the MiniOS7 Utility shortcut on your desktop.

ii. Press F12 or choose Search from the Connection menu.





iii. Check the status bar of the MiniOS7 Scan dialog, waiting for the search to be done.



### **Step 2: Configure the IP Address**

- i. Choose the module name from the column.
- ii. Press the IP setting from the toolbar, and then assign the new IP address



🚵 IP Setting	×
Recommend Settings	
IP: 10.1.0.32 Mask: 255.255.0.0	iii. Configure the IP setting iv. Press the <b>Yes</b> button
Gateway: 10.1.0.254	
DHCP Disable    C Enable	Confirm IP setting success. Do you want to leave IP setting dialog!
Set Cancel	<u>Yes</u> <u>N</u> o

Using VxComm Utility to Create Virtual COM Ports

The VxComm Utility is a PC-based tool that can be used to create virtual COM port(s) and map them to the COM port(s) of the PDS/8000E/7188E.

### Step 1: Run the VxComm Utility and search the I-7188E

- i. Double-click the **VxComm Utility** shortcut on your desktop.
- ii. Press the Search Servers button from the toolbar.

	VxComm Utility [ v2.11.1           Server         Fort         Iools	0, Jul.20, 2012 ]	
VxComm Utility	driver & utility	Configure Server	Configure Port           Port         Virtual COM         Baud
	Where remote serve ret become part of your PC Add Server(s)		
	Remove Server	Name Alias IP Address S	Sub-net Gateway MAC Ad
	Search Servers	Press <b>Search Servers</b>	
	Exit Status		

### Step 2: Add the I-7188E server

- i. Choose the module name from the column.
- ii. Press the Add Server(s) from the toolbar

ø ¥xComm Utility [ v2.11.)	10, Jul.20, 2012	]				
<u>File S</u> erver <u>P</u> ort <u>T</u> ools						
	Configure Server			Configure Port		
VxCommunity Where remote seriate even	V×Comm S	ervers		Port Virtual	COM Baudra	ate
Add Server(s)	ii. Pr	ess the	Add Serv	ver(s)		
Web						
Search Servers	Name	Alias	IP Address	Sub-net Mask	Gateway	MAC A
Configuration (UDP)	tDS-725	Tiny	10 1 0 0 40		1010054	00-0d:
Exit	ET-7026 ET-7050	N/A N/A Time: 2-1	i. Choose	e the modu	ule name	10 10 15
	PDS-782	Tim782-0	10.1.102.234	255.255.0.0	10.1.0.254	00:0d:
	7188E2	*	10.1.0.138	255.255.0.0	10.1.0.254	00:0d:
	ET-7017-10	N/A	192.168.0.121	255.255.255.0	192.168.0.1	00:0d:
	Er		192.168.0.122	255.255.255.0	192.168.0.1	00:0d:)
	<					>
Status						

iii. Assign a valid COM port, and then press **OK** button

IP Range Advance	d Options	
<ul> <li>Server Informati</li> <li>Server Name :</li> </ul>	on 7188E2	Get name automatically
IP Range Start :	10.1.0.138	✓ Skip duplicated IP
IP Range End :	10.1.0.138	
Includes the follo	wing special IP :	
🗆 0 (Net) 🔽 2	54 (Gateway) 🔲 255 (	(Broadcast)
☐ Maps virtual ☐ Disable purge	COM4 COM5 COM6 COM7 COM8 COM9 COM10 COM11 COM12 COM13 COM14 COM15	OK Cancel

### Step 3: Restart the driver to take effect

i. Choose Restart Driver from the Tools menu.



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#### ii. Press the Restart Driver button

VxComm Utility : Restarting Driver				
Restart the driver to use new configuration. Make sure you have closed all virtual COM ports first.				
Status: Driver is not running.				
Restart Driver Cancel				

# **Additional Information**

After you have finished add the virtual Com port to your system, then you can start using it to connect remote RS-232/RS-422/RS-485 device via Ethernet. Here are some guideline and tips related to the I-7188E.

- 7188E series Software User Manual CD:\Napdos\7188e\Document\7188Ess.pdf <u>ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/7188e/document/7188ess.pdf</u>
- 7188E series Hardware User Manual CD:\Napdos\7188e\Document\7188Ehh.pdf <u>ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/7188e/document/7188ehh.pdf</u>
- VxComm Utility User Manual CD:\Napdos\Driver\VxComm\_Driver\manual\ <u>ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/driver/vxcomm\_driver/manual/</u>