Making Data Acquisition Easy

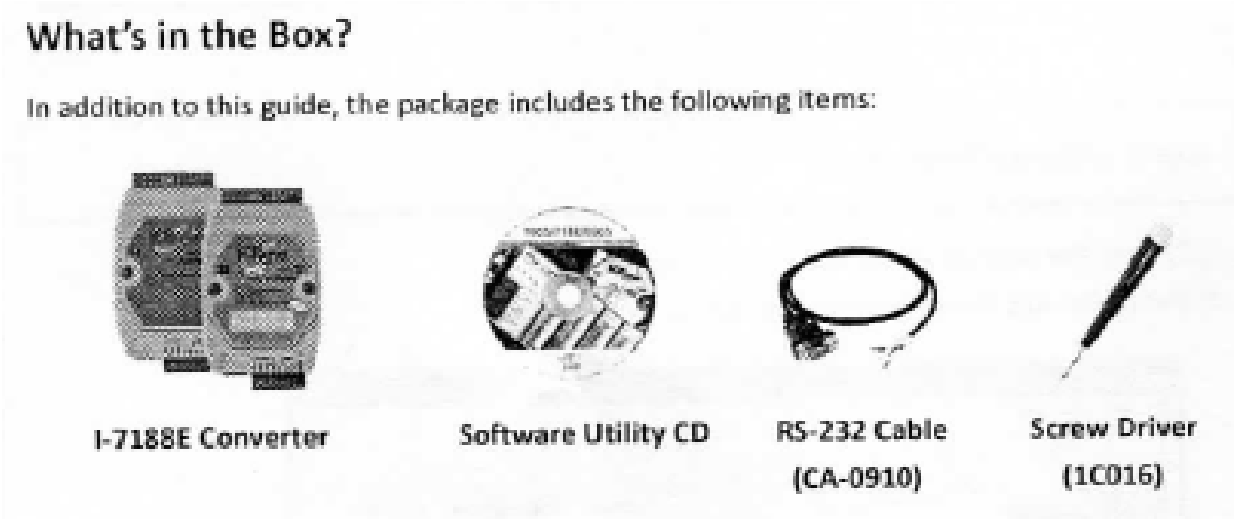
I-7188E3
3 Serial Ports to Ethernet Converter/Intelligent Controller
Quick Start Guide

Product Website:

https://www.icpdas-usa.com/i_7188e3.html

Introduction

The I-7188EX, Embedded Internet/Ethernet Controller, focuses in Embedded Control applications while the I-7188E series, Internet Communication Controllers, focus on communication applications. According to different embedded firmware and application programs, the Internet Communication Controllers can be used as Device Servers, Addressable Ethernet to RS-232/485/422 Converters, or Embedded Internet/Ethernet Controllers. The user should refer to the comparison table to choose their optimal product. We offer a wide range of Internet Communication Controllers, such as I-7188E1 / E2 /E3 /E4 / E5 / E8. Except the RTC circuitry, the basic hardware of I-7188E series is similar to the I-7188EX. Since there are too many configurations for the I-7188E series product, OEM or ODM version is welcome. Can be used as Addressable Ethernet to RS-232/485/422 Converter.



1 Starting the I-7188E up and Wiring it to a PC

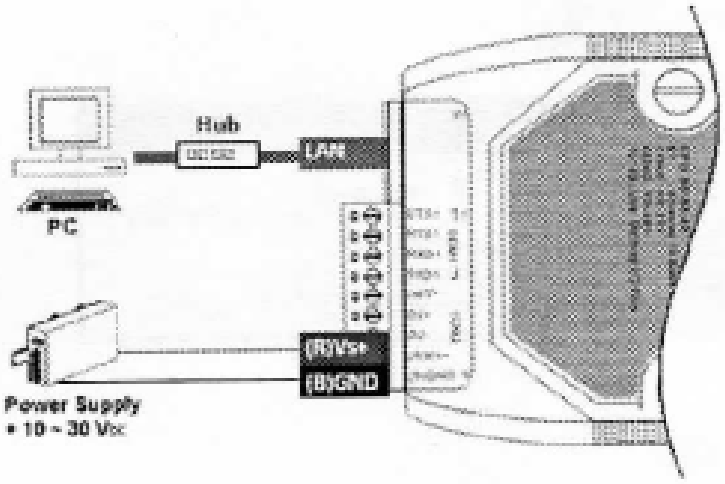
Step 1: Connect to a +10 ~ +30 V_{DC} power supply

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.



2 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

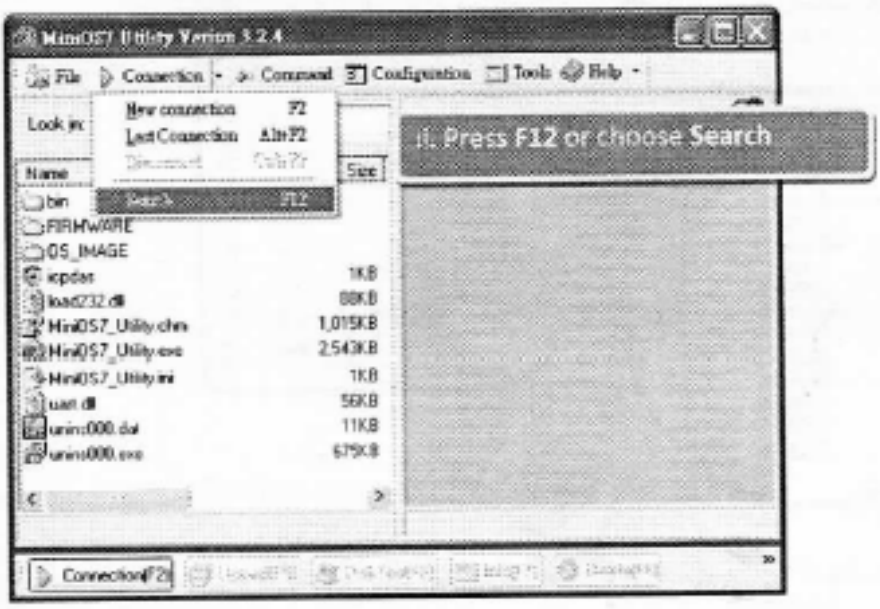
MiniOS7 Utility can be used to configure the IP address. Before starting the configuration process, make sure that the **I-7188E** are used to connect to your network. The default IP addresses are as follows:

Item	Default
IP Address	192.168.255.1
Subnet Mask	255.255.0.0
Gateway	192.168.0.1

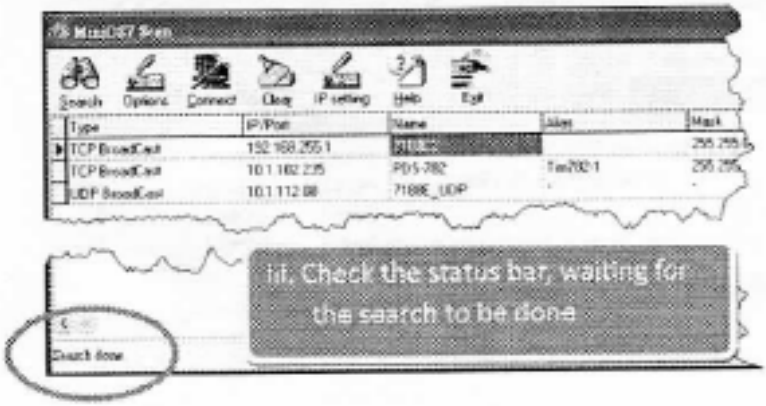
Step 1: Run the MiniOS7 Utility, and then search the I-7188E

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

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



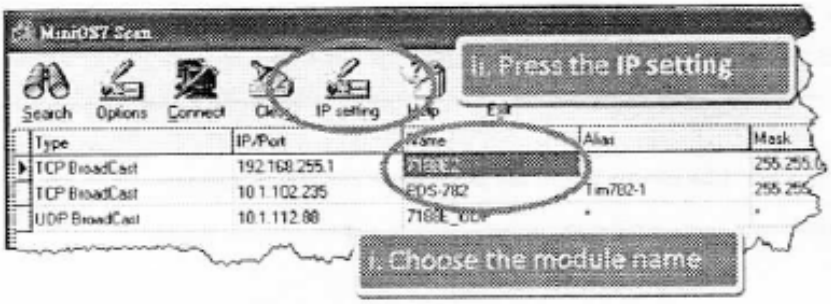
iii. Check the status bar of the **MiniOS7 Scan** dialog, waiting for the search to be done.

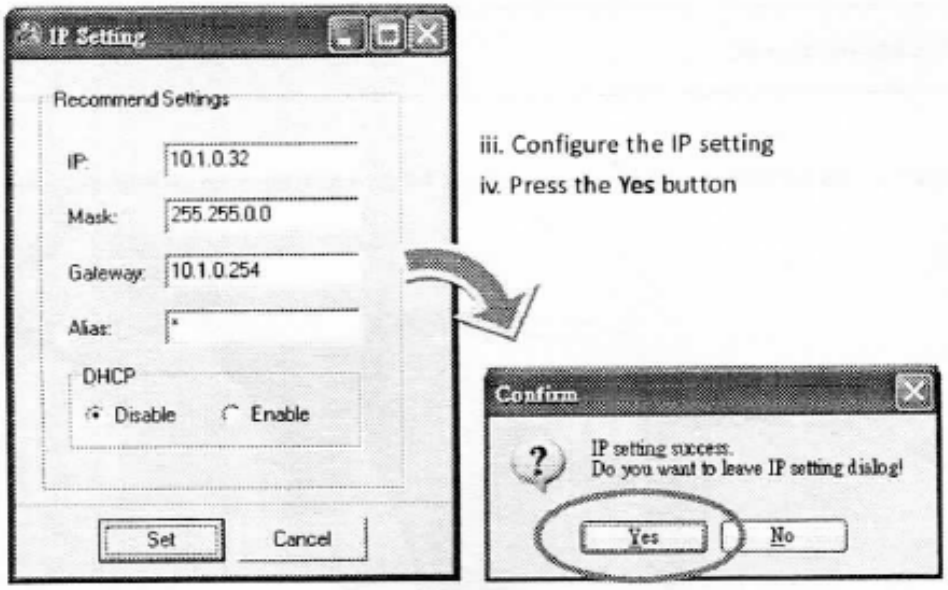


Step 2: Configure the IP Address

i. Choose the module name from the column.

ii. Press the **IP setting** from the toolbar, and then assign the new IP address





iii. Configure the IP setting

iv. Press the **Yes** button

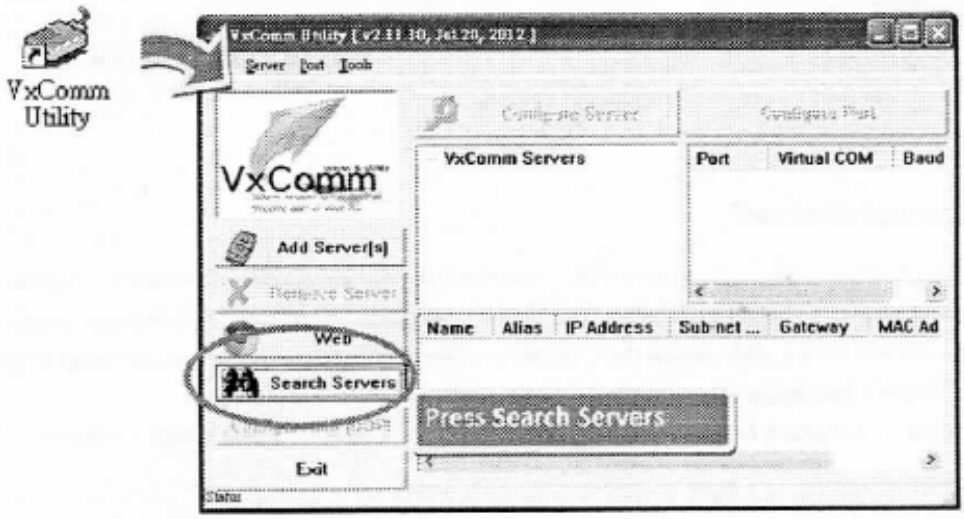
4 Using VxComm Utility to Create Virtual COM Ports

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.

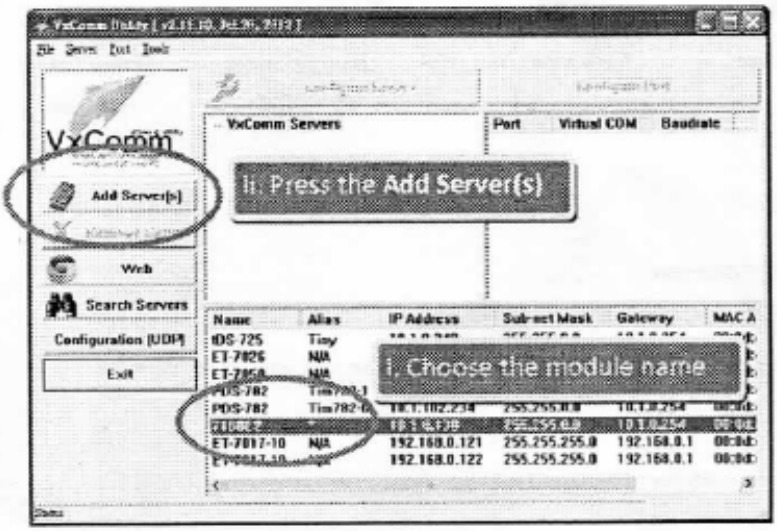
ii. Press the **Search Servers** button from the toolbar.



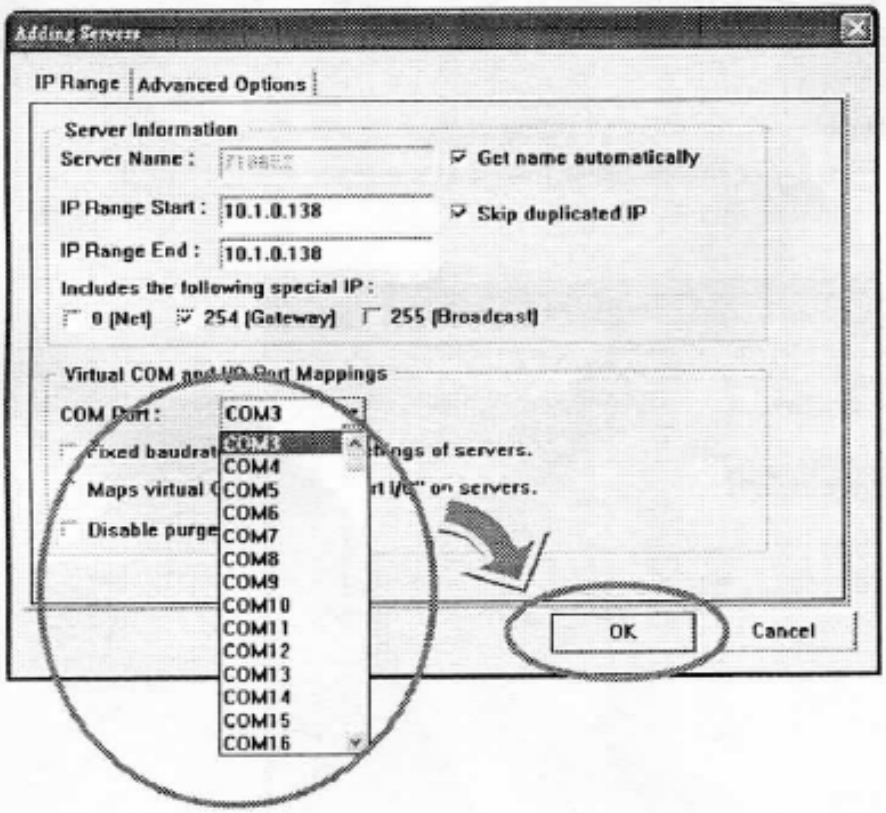
Step 2: Add the I-7188E server

i. Choose the module name from the column.

ii. Press the **Add Server(s)** from the toolbar

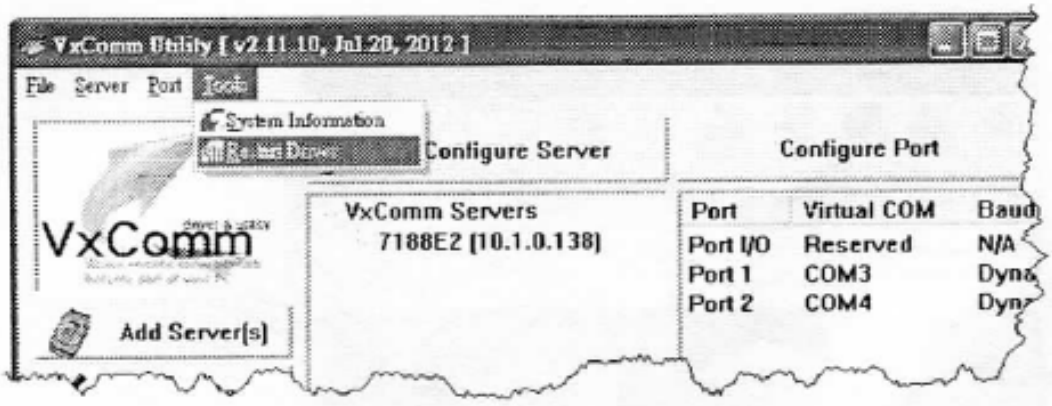


iii. Assign a valid COM port, and then press **OK** button



Step 3: Restart the driver to take effect

i. Choose **Restart Driver** from the **Tools** menu.



ii. Press the **Restart Driver** button