Introduction

JetI/O 6500 is a series of Managed Ethernet I/O modules for distributive monitoring and controls. The JeI/O 6500 series is equipped with one Ethernet port and multiple channels Analog Input/Output, Digital Input/Output and temperature measurement connectors. Thus, users can easily perform I/O data collecting, status changing, automatically activate events… through the Ethernet network. JetI/O 6500 series provides Windows Utilities, Web and SNMP for configuration as well as supports Modbus/TCP protocol, OPC Server for Modbus/TCP. Hence users can easily monitor and control the remote I/O devices and combine the JetI/O with existed HMI/SCADA package.

Hardware Installation

1. The Package Contains

- JetI/O unit with attached mounting clip
- Terminal Blocks for I/O and Power
- Quick Installation Guide and Software CD-ROM

2. Hardware Installation

- Din-Rail Mounting: Insert the upper end of the DIN-Rail clip into the back of the DIN-Rail track from its upper side. Push the bottom of the DIN-Rail clip into the track lightly. Check if the DIN-Rail clip is tightly attached to the track.
- Wiring the I/O pins: Follow the pin assignment to insert the wires into the front contacts on the terminal block connector. Tighten the wire-clamp screws to prevent the I/O wires from being loosened.
- Power the unit: Tighten the power wire and connect to the power source, then the unit will be powered on. When the unit is ready, the PWR LED turns Greed, the RDY LED turns Red. Note: The suitable working voltage is 24VDC.
- Connecting the Ethernet Port: Connect one side of an Ethernet cable into the LAN interface of the JetI/O while the other side is connected to the attached device. The LED will light up when the cable is correctly connected.

Software Setup

1. Change IP Address: You can use Device Finder Utility or Block I/O Utility to change IP address. Device Finder Utility can help you to search the units which have the same IP address, or its IP address is not in the same subnet of your host PC. Search the available device and change the new IP address to it. Note: Clearing ARP cache (arp –d in DOS prompt) if you can't change 2nd unit's IP address.

2. Install Block I/O Utilities: Insert the CD and the installation should auto-run itself. If the setup does not start automatically, first double click on "JetI/O Utility," then select "IO Configuration." Finally, double click on "Setup.exe" to install Windows utilities, Korenix Block I/O Utility and Block I/O OPC Server.

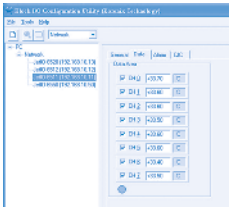
3. Find the JetI/O unit: Block I/O Utility will scan the network and search all available JetI/O 6500 units in the network. Note: Block I/O Utility can search available units which have different IP addresses. IP conflict may cause you can't find the units.

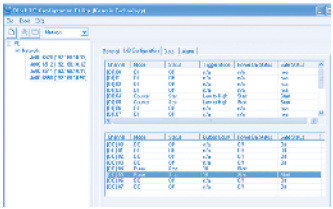
4. I/O status and configuration:

4.1 Select "General" then you can choose the type of the "Input range".

4.2 Select "Data" then you can see the information of each channel in the data area.

4.3 Select "Alarm" then you can configure the DI/DO "Condition and Action" rules, SNMP Trap alarm for the High-/Low- Voltage/Current/Temperature of each channel.





5. Block I/O OPC Server:

5.1 Select “File -> New” to create new profile. Or select “File -> Open” to open profile you saved.

5.2 Select “Add -> New Device”, the popup window “Driver Selection” will appear. (Only appear in the first time you add new device). Click “Add” and type the driver name and correct IP address. Click “OK” to next popup windows. Use “Edit -> Com Setting” can modify the parameters.

5.3 Type the “Device Name” and select the “Device Type” in the “Device Configuration” window.

5.4 Select “Add -> New Group” to create new group for the later new tags you’ll create. Select “Add -> New Tag” and fill the “Tag Properties” in the popup window.

5.5 Select “File -> Save” to save the profile. Then you can use OPC Client (HMI) to monitor the JetI/O through OPC Server driver.

Congratulations! You have finished JetI/O configurations successful. You can also use SCADA/HMI to control or monitor the JetI/O through the Modbus/TCP protocol, please refer to the manual for detail.