



**Ethernet Configuration Tools
for A620011
User's Manual**

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P/N A11 000206

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Revision History

The following lists the additions, deletions and modifications in this manual at each revision.

Date	Version	Revised Sections
Sep. 2008	1.0	Complete this manual.

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1. Introduction

The application of Ethernet Configuration Tools is to facilitate users in setting the A620011 Ethernet Card including searching for hardware IP address and serial number information as well as setting the required IP address. It is able to reboot the hardware device if the Ethernet Card is unable to act correctly.

2. Supported Hardware

The hardware supported is A620007 Control & Supervisor Unit.

3. User Interface and Buttons

Click the icon in the CD to open the application of Ethernet Configuration Tools.



Figure 3-1 Application Icon

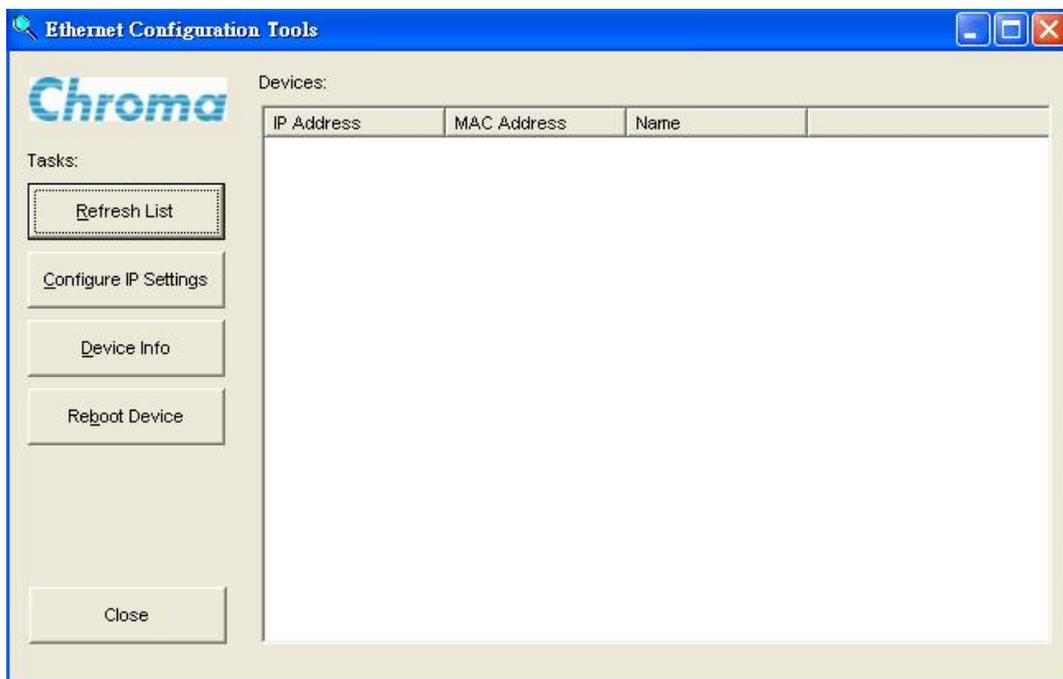
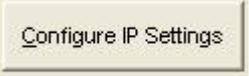
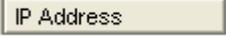
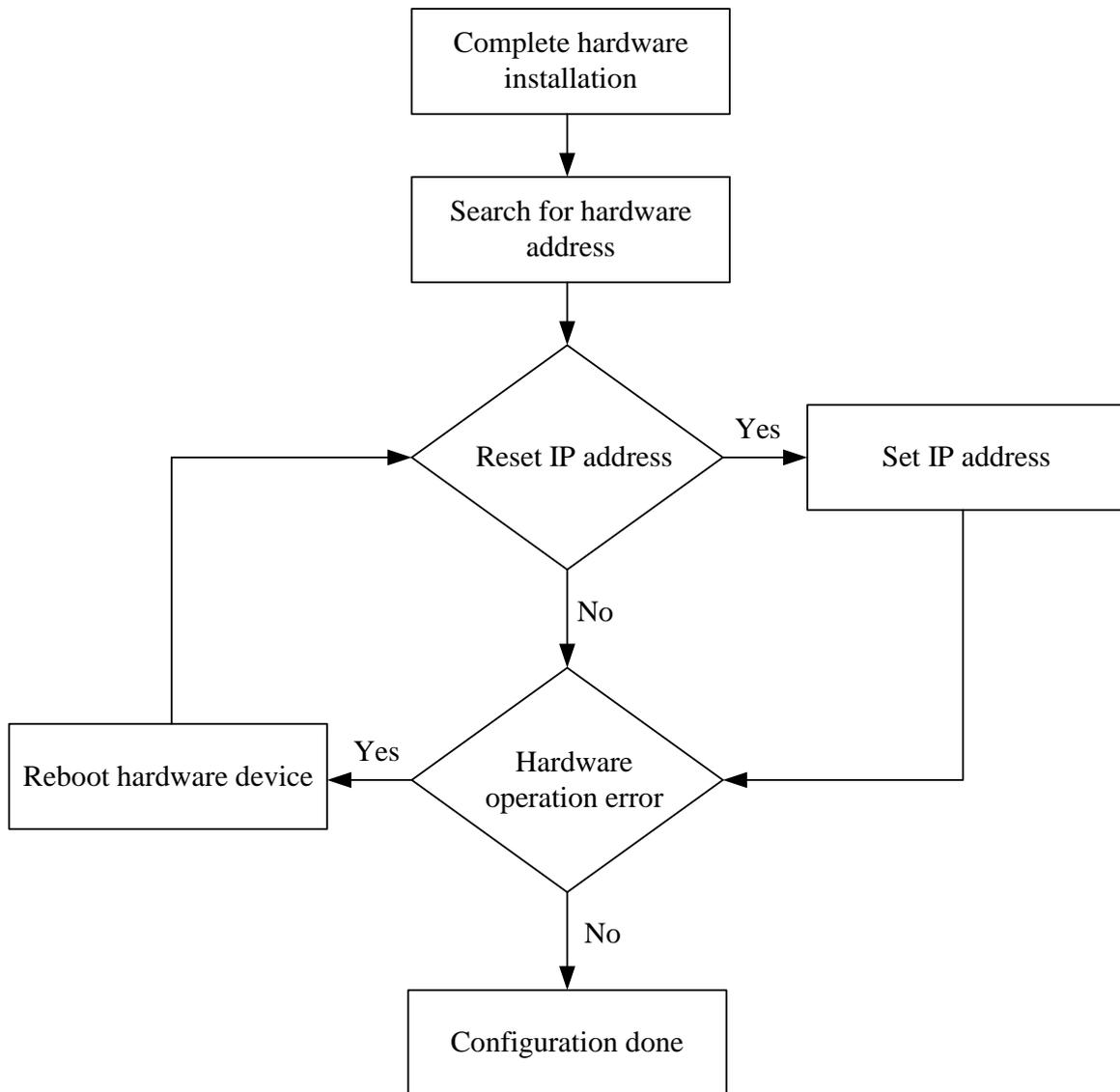


Figure 3-2 User Interface

Description of operation interface buttons:

- a.  : It searches the hardware currently in use in the network.
- b.  : It sets the IP address.
- c.  : It shows the network and hardware related information.
- d.  : It reboots the hardware device.
- e.  : It ends the program.
- f.  : It shows the hardware IP address.
- g.  : It shows the MAC address.
- h.  : It shows the product serial number.

4. Operation Process Flow



Insert the Ethernet Card into the slot on the CSU rear panel and then turn on the CSU power. Now connect it to network and see if the yellow LED of Ethernet Interface Connect is always on and the green LED is blinking (see detail description in section 5.) If yes, it means the Ethernet Card is installed successfully. Next, use the PC connected to network to run the program as described below:

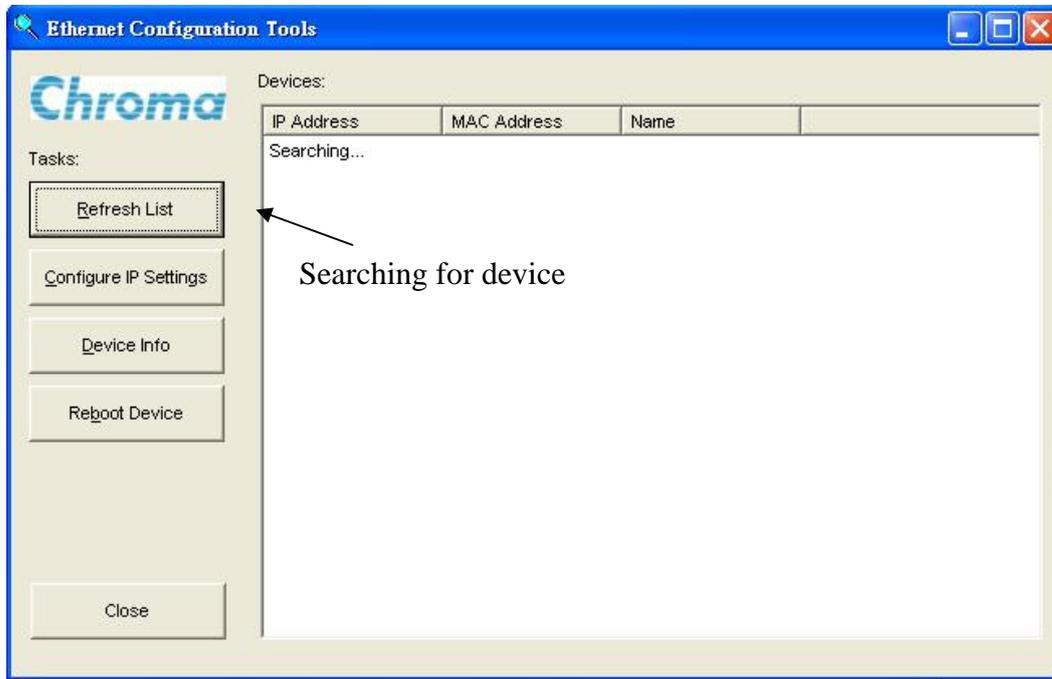


Figure 4-1 Hardware Device Search

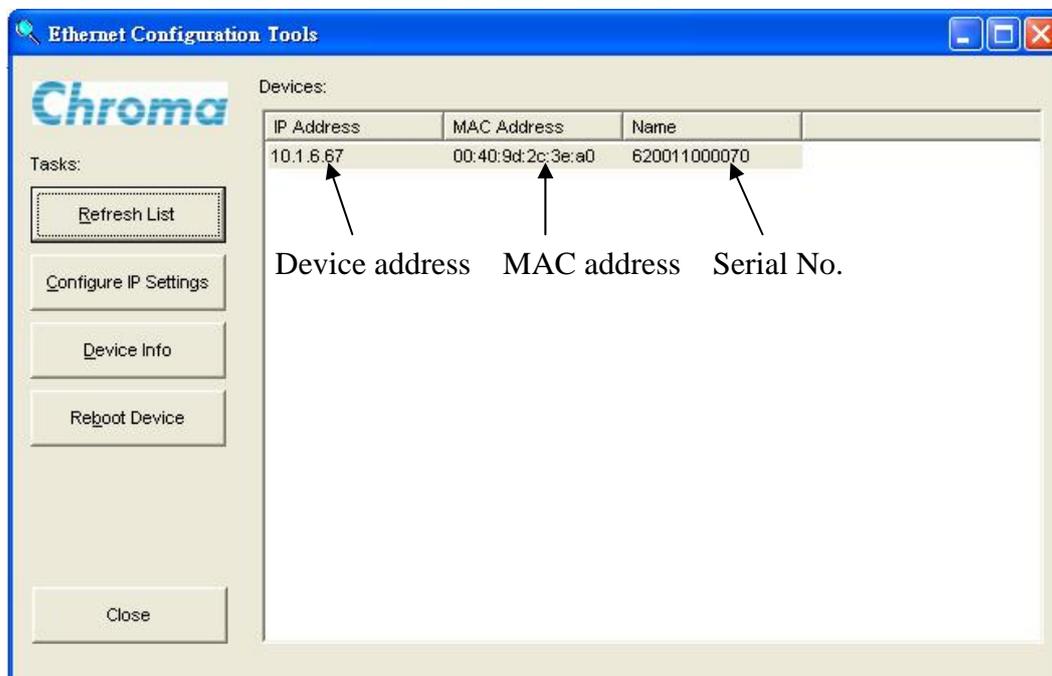


Figure 4-2 Search Completed

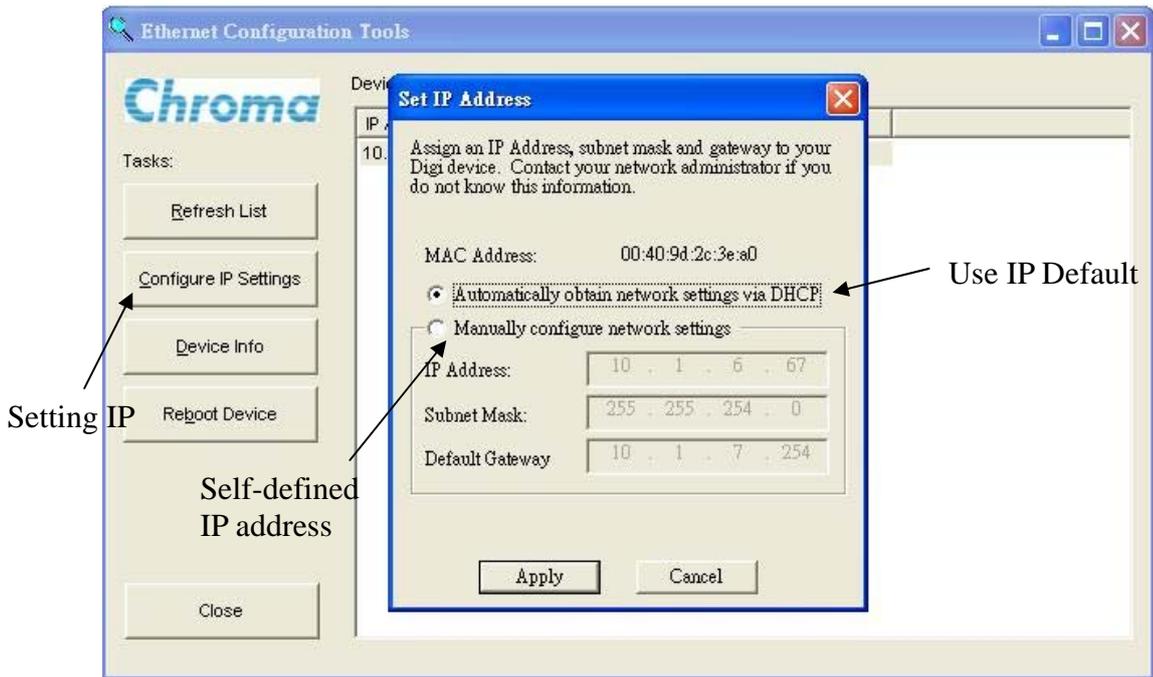


Figure 4-3 Setting IP (Skip if no need to self-define)

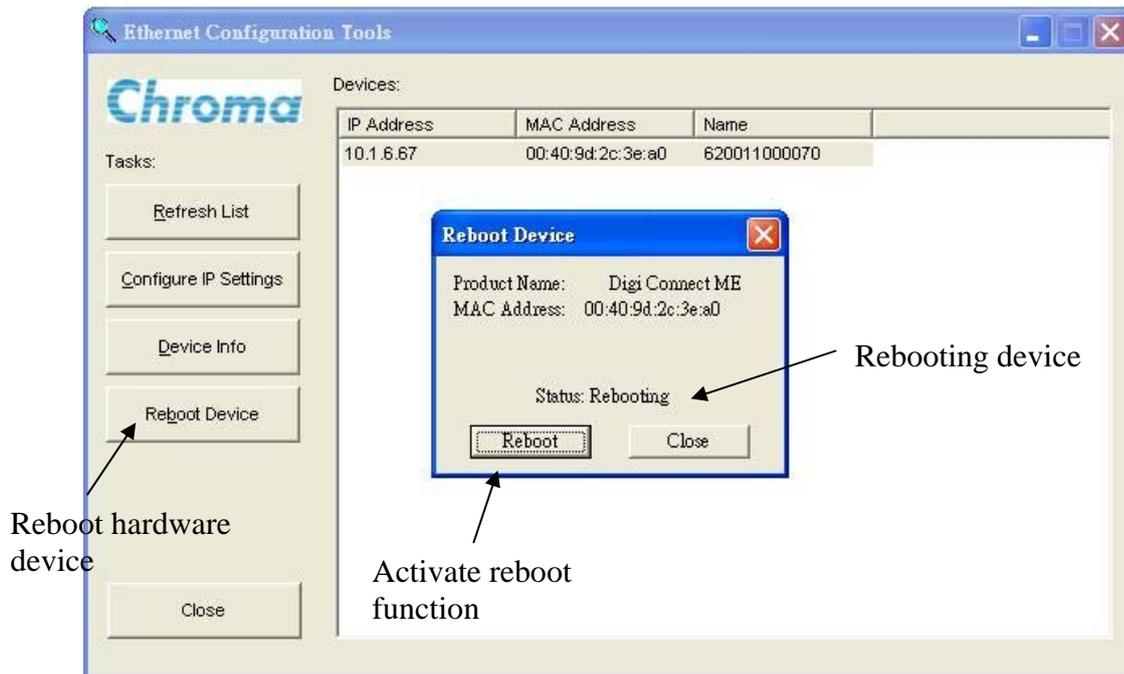


Figure 4-4 Hardware Reboot (performed when hardware device error)

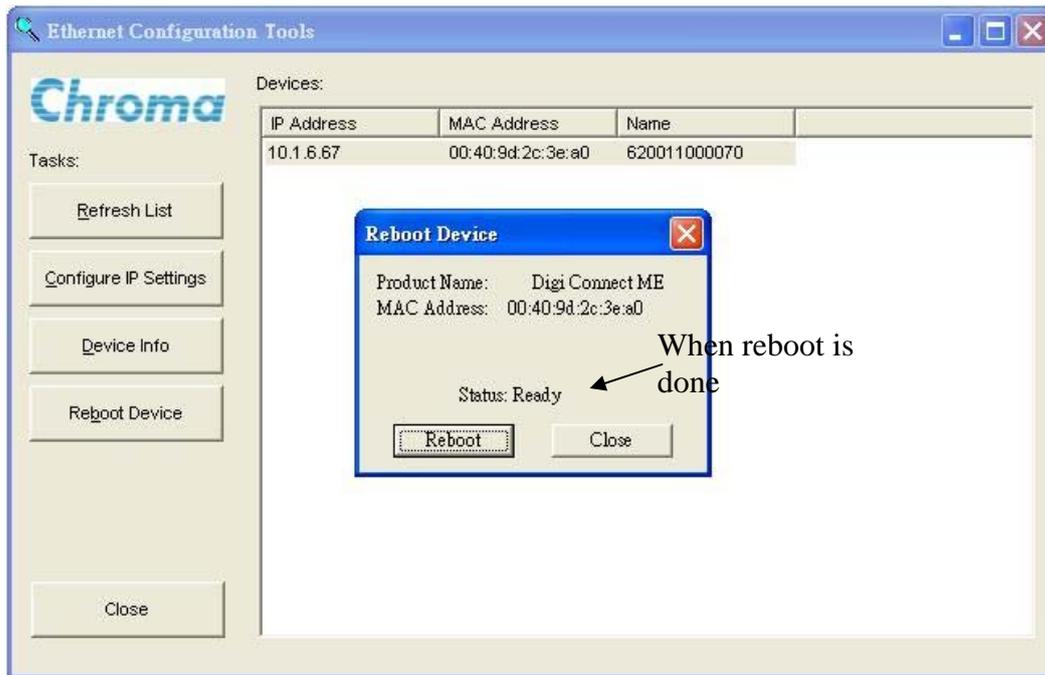


Figure 4-5 Reboot Finished

5. Ethernet Card



Figure 5-1 Ethernet Card

Ethernet Interface Connect

Network Cable Connecting Port

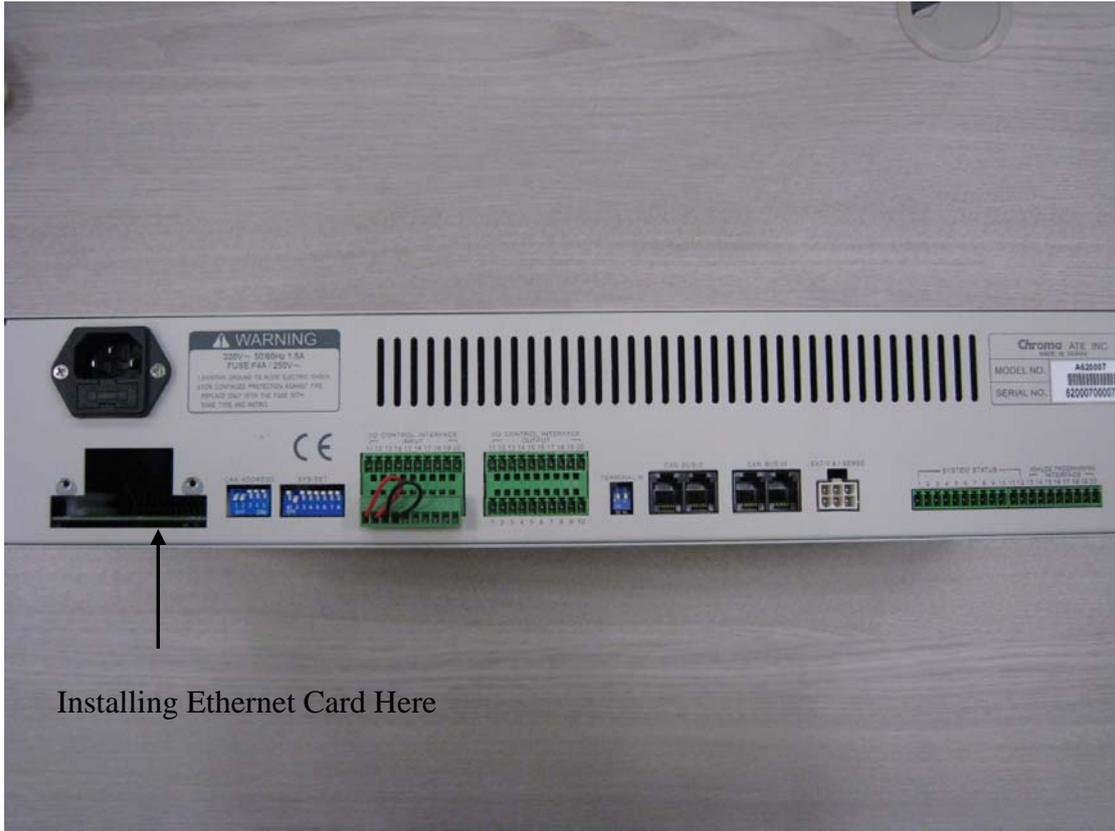
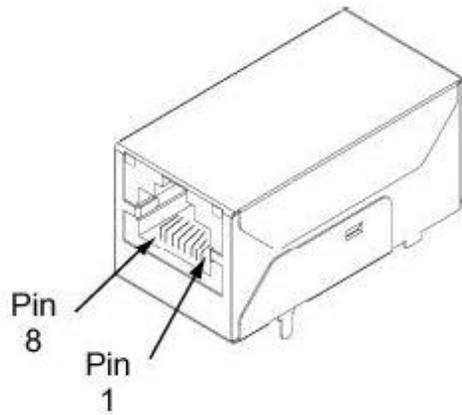
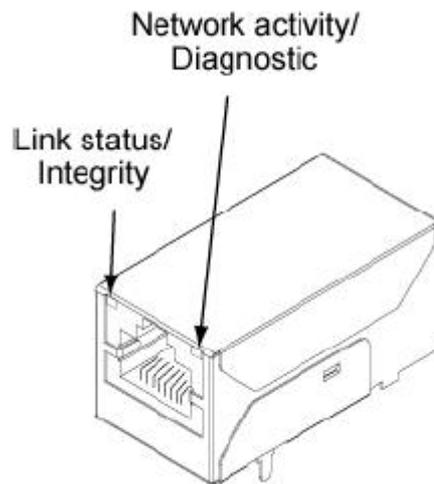


Figure 5-2 CSU Rear Panel



Ethernet Interface Pin Assignments							
Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
TXD+	TXD-	RXD+	EPWR+	EPWR+	RXD-	EPWR-	EPWR-
Transmit Data+	Transmit Data-	Receive Data+	Power Form Switch+	Power Form Switch+	Receive Data-	Power Form Switch-	Power Form Switch-

Table 5-1 Ethernet Interface Connect Pin Assignment



LED Behaviors		
LED	Pin Header EM	Integration Kit Digi Connect ME
TOP left (yellow)	5(+) 7(-)	Network: Off - no link has been detected. On - a link has been detected.
Top right (green)	1(+) 3(-)	Serial port activity/Network activity: Off - the serial channel is idle. Blinking - serial data is transmitted or received.

Table 5-2 LED Definition of Ethernet Interface Connect

6. Troubleshooting

Following lists the operation problems, the causes and the suggested resolutions.

Problem	Cause	Resolution
Unable to connect Ethernet.	<ol style="list-style-type: none"> The insertion is incorrect. The Ethernet Interface Connect is malfunction. 	<ol style="list-style-type: none"> Reinsert the Ethernet card following the guide rail and ensure the LEDs are on correctly. Consult with local distributor for assistance.
Device IP error.	<ol style="list-style-type: none"> The system is running for initial communication. Internal network error. 	<ol style="list-style-type: none"> Click Refresh List again later. Consult with internal network administrator for assistance.

① NOTICE

- Do not insert or remove cards from the rear panel under normal operation. It may cause the card to be damaged.
- Make sure to follow the guide rail in CSU for installing the Ethernet Card to avoid damages from occurring.
- Enable Raw TCP access using TCP Port : 2101.