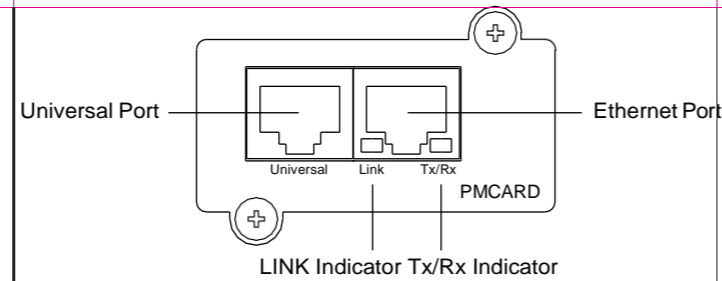


POWER MANAGEMENT CARD

The Power Management Card allows a UPS/ATS system and environmental sensor to be managed, monitored, and configured.

Quick Start Guide

K01-3101000-00



Definitions for LED Indicators

Link LED color	Condition
Off	The Power Management Card is not connected to the Network/ or the Power Management Card power is off
On(Yellow)	The Power Management Card is connected to the Network
Tx/Rx LED color	
Off	The Power Management Card power is off
On(Green)	The Power Management Card power is on
Flash	- Receiving/transmitting data packet - Reset finished

Step 2. Configure the IP address for the Power Management Card

Method 1: Using the Power Device Network Utility

1. Install the Power Device Network Utility available for download on the Network Power Management product web page at www.powermonitor.software.

2. After installation completes, run the "Power Device Network Utility".

3. The main dialog of the Power Device Network Utility program is shown in Figure 1. The configuration tool will display all Power Management devices present on the same network subnet. The "Refresh" button is used to search the local network subnet again.

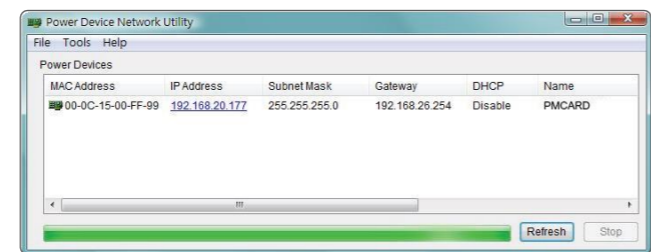


Figure 1. The main window of the "Power Device Network Utility" program.

4. Select the Power Management Card you are setting up. Click on the Tools menu and select "Device Setup" or double click the Power Management Card you want to configure.

5. You can modify the IP Address, Subnet Mask, and Gateway address for the Device MAC Address listed in the Device Network Settings window, as shown in Figure 2. **The factory default IP Address is 192.168.20.177** and the default Subnet Mask is 255.255.255.0.

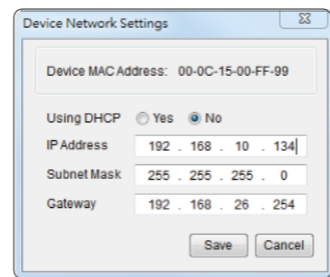


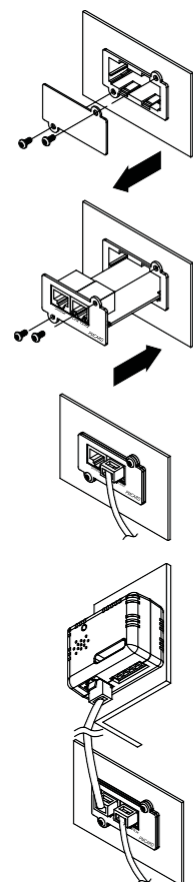
Figure 2. The Device Network setting window.

6. Modify the IP, subnet mask or gateway address. Enter the new addresses into the corresponding fields and then click "Save".

INSTALLATION GUIDE

Step 1. Hardware Installation

1. Remove the two retaining screws of the expansion slot, and then remove the cover.
2. Install the Power Management Card into the expansion slot.
3. Insert and tighten the retaining screws.
4. Connect an Ethernet cable to the Ethernet port of the Power Management Card.
5. (Optional) To connect with the environmental sensor, use a RJ45 Ethernet cable. Connect one end to the Universal port on the PMCARD and the other end into the sensor.



NOTE: The Power Management Card is hot-swappable, so you do not need to turn off the device to install it.

7. You will need to enter a User Name and Password for the Power Management Card in the authentication window, as shown in Figure 3.
 - Default user name: **admin**
 - Default password: **admin**

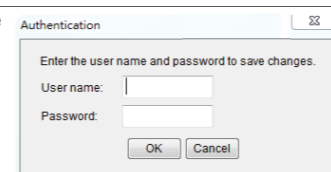


Figure 3. Authentication window.

8. If the IP address change is successful, you will see a message confirming the IP set up is OK, as shown in Figure 4.



Figure 4. Setup IP Address successfully message.

Method 2: Using a command prompt

1. Obtain the MAC address from the label on the Power Management Card. Each Management Card has a unique MAC address.
2. Use the ARP command to set the IP address.
Example:
To assign the IP Address 192.168.10.134 for the Power Management Card, which has a MAC address of 00-0C-15-00-FF-99 you will type in the following in the command prompt from a PC connected to the same network as the Power Management Card.
(1) Type in "**arp -s 192.168.10.134 00-0C-15-00-FF-99**" then press **Enter**.
3. Use the Ping command to assign a size of 123 bytes to the IP.
(1) Type in "**ping 192.168.10.134 -l 123**" then press **Enter**.
(2) If the replies are received, your computer can communicate with the IP address.

WEB INTERFACE Login User Account

You will need to enter a User Name and Password to login to the interface. There are two user account types.

1. Administrator
 - Default username: **admin**
 - Default password: **admin**
2. View only
 - Default username: **device**
 - Default password: **device**

The administrator can access all functions, including enable/disable the view only account. The viewer can access read only features but cannot change any settings.

Troubleshooting

Problem	Solution
Unable to configure the Power Management Card by method 1 or method 2	<ul style="list-style-type: none">• Check the LED status, the condition is normal when the yellow and green LEDs are both on. If green LED is off :<ul style="list-style-type: none">► Check if the Power Management Card is properly seated in the device and the device power is turned on.► Ensure the network connection is good.• Ensure the PC being used is on the same network subnet as the device you are trying to communicate with.
Unable to ping the Power Management Card	<ul style="list-style-type: none">• Use method 1 and/or method 2 to get/set a correct IP address for the Power Management Card.• If the PC being used is on a different network subnet from the Power Management Card, verify the setting of subnet mask and the IP address of gateway.

Problem Solution

Lost the user name and password

- Follow below steps to reset to the default setting.
 1. Remove the card from the UPS without turning the UPS off.
 2. Remove the jumper from the reset pins. Do not dispose of the jumper.
 3. Insert the card into the expansion port.
 4. Wait until the Green LED is flashing (the frequency of the ON/OFF flashing is once per second).
 5. Remove the card again.
 6. Place the jumper back onto the Reset pins.
 7. Install card into the expansion port again and tighten the retaining screws.