UPS NETWORK INTERFACE CARD

UPS-IPCARD

Middle Atlantic Products ®

PRODUCT FEATURES

- An Intelligent UPS Network Interface Card allowing a UPS system to be managed, monitored, and configured remotely via the web.
- Access the SNMP Card Configuration Tool, firmware updates, and the UPS Network Interface Card User Manual at www.middleatlantic.com.
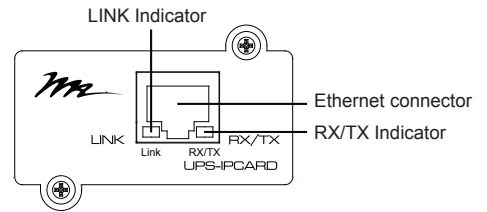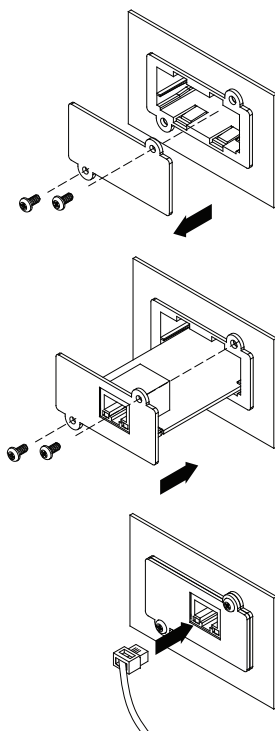
Middle Atlantic Products

I-00434   Rev B

INSTALLATION

Step 1. Hardware Installation

WARNING: Unplug and allow the equipment to fully discharge before performing installation steps.
AVERTISSEMENT: Débranchez et laissez l'appareil se décharger complètement avant peforming étapes d'installation.

1. Turn off the UPS before removing the expansion port cover on the UPS.

2. Remove the two retaining screws of the expansion port cover then remove the cover.

3. Install the Middle Atlantic UPS-IPCARD into the expansion port.

4. Re-install and tighten the retaining screws.

5. Connect the Ethernet cable to the LAN port of the Middle Atlantic UPS Network Interface Card.

6. Turn on the UPS.

LED Indicators

Link LED color	Condition
Off	The UPS Network Interface Card is not connected to the Network or the UPS Network Interface Card power is off
On(Yellow)	The UPS Network Interface Card is connected to the Network
RX/TX LED color	
Off	The UPS Network Interface Card power is off
On(Green)	The UPS Network Interface Card power is on
Flashing	- Receiving/transmitting data packet - Reset completed

Step 2. Configure the IP address for the Middle Atlantic Network Interface Card.

Method 1: Using the SNMP Card Configuration Tool

NOTE: If you have any issues acquiring the software, please contact support at 1-800-266-7225.

1. Install the SNMP Card Configuration Tool from the included CD. It is located on the CD in the \tools\network folder. Double click the installation file **MAP_SNMP_Setup.msi** to begin the installation.

2. After the installation is complete, run the Middle Atlantic UPS-IPCARD Setup Utility program. Under All Programs, select **Middle Atlantic Products > UPS-IPCARD**.

3. The main screen of the SNMP Card Configuration Tool program is shown in Figure. 1. The configuration tool will display all Middle Atlantic UPS Network Interface Cards present on the network. Click **Refresh** to search for newly added devices
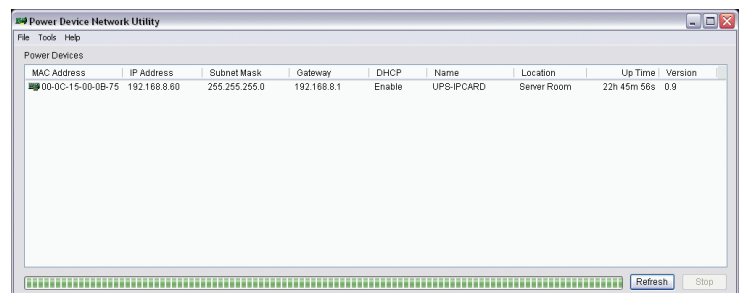

Figure 1. The main window of the Setup Utility program.

4. Select the SNMP card you are setting up. Click on the **Tools** menu and select **Device Setup** or double click the SNMP 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 default IP Address is **192.168.20.177**, the default Subnet Mask is **255.255.255.0**.

6. To modify the IP, subnet mask or gateway address, enter the new addresses into the corresponding fields and click **Save**.
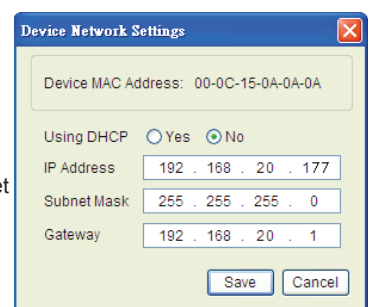

Figure 2. The SNMP card setting window.

7. You will need to enter a User Name and Password for the SNMP card in the Authentication window, as shown in Figure 3.
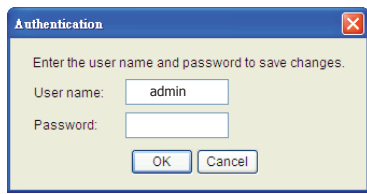
• Default user name: **admin**
• Default password: **admin**

Figure 3. Authentication window.

After logging in for the first time, the system forces you to change the default password for security purposes.

8. If the IP Address change is successful, a confirmation message appears as shown in Figure 4.
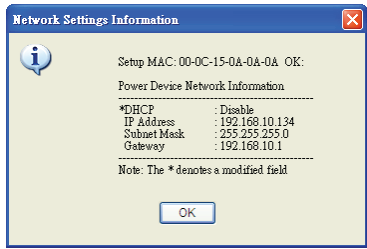
Method 2: Using a command prompt

Figure 4. Setup IP Address successfully message.

1. Obtain the MAC address from the label located on the top of the UPS Network Interface Card printed circuit board. Each UPS Network Interface Card has a unique MAC address.

2. Use the ARP command to set the IP address.
   Example:
   To assign the IP Address 192.168.20.240 for the UPS Network Interface Card, which has a MAC address of 00-0C-15-00-00-01 you will type in the following command prompt from a PC connected to the same network as the UPS Network Interface Card.
   (1) Type in "arp-s 192.168.20.240 00-0C-15-00-00-01" then press **Enter**.

3. Use the Ping command to assign a size of 123 bytes to the IP.
   (1) Type in "ping 192.168.20.240 -1 123" then press **Enter**
   (2) If the replies are received, your computer can communicate with the IP address.

WEB INTERFACE
Logging into the Accounts

You will need to enter a User name and Password to login to the interface. There are two account types:
1. Administrator
   • Default user name: **admin**
   • Default password: **admin**
2. Viewer (Read Only)
   • Default user name: **guest**
   • Default password: **guest**

NOTE:
• The administrator can access and control all functions, including enabling and disabling the viewer account. The viewer account can read all functions but with no ability to change any settings.
• After logging in as the administrator for the first time, the system forces you to change the default password for security purposes.

Troubleshooting

Problem	Solution
Unable to configure the UPS Network Interface Card by method 1 or method 2	1. Check the LED status, the normal condition is both yellow and green led is on. If green led is off: ► Check if the UPS Network Interface Card is properly seated in the UPS and the UPS power is on. If yellow led is off: ► Check if the network connection is valid 2. Check if the operated PC is on the same physical network as the UPS Network Interface Card.
Unable to ping the UPS Network Interface Card.	1. Use method 1 and method 2 to get correct IP address of the UPS Network Interface Card. 2. If the operated PC is on the different physical network from the UPS Network Interface Card, verify the setting of subnet mask and the IP address of gateway.
Forgotten the user name and password	Refer to "Reset to Default Setting/Recover from Forgotten Password" topic in the UPS IP Card User Manual at www.middleatlantic.com.

Federal Communications Commission (FCC) Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

REMARQUE: Cet équipement a été testé et jugé conforme aux limites de la classe A des appareils numériques, conformément à la section 15 de la réglementation de la FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles lorsque l'équipement est utilisé dans un environnement commercial. Cet équipement génère, utilise et peut émettre de l'énergie radiofréquence et, si non installé et utilisé conformément au manuel d'instruction, peut provoquer des interférences dans les communications radio. Le fonctionnement de cet équipement dans une zone résidentielle est susceptible de provoquer des interférences nuisibles, auquel cas l'utilisateur sera tenu de corriger les interférences à ses propres frais.

CAUTION! Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

ATTENTION! Les changements ou modifications non expressément approuvés par le fabricant peuvent annuler le droit de l'utilisateur à utiliser l'équipement.

ICES-003 Class A Notice - Avis NMB-003, Classe A This Class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Middle Atlantic Products
what great systems are built on™
middleatlantic.com ■ 800.266.7225