SNMP Accessories For Minuteman UPSs

Select Minuteman UPS products are capable of accepting Simple Network Management Protocol (SNMP) communications cards. SNMP is a communications protocol for devices to a Local Area Network (LAN). It can be used to obtain the status of a UPS connected to the network and issue commands to it.

SNMP Capable UPSs

Minuteman UPS product lines which offer optional SNMP communications capability include:

- Endeavor 6 & 10kVA tower
- Endeavor 6kVA rack
- Endeavor 1-3kVA rack/tower
- CPE 1-3kVA
- EnterprisePlus 750VA-3kVA
- PRO-RT 1000-1500VA

Features

SNMP option cards provide IT/Network administrators with a comprehensive set of features to manage and monitor UPSs over the LAN:

- Connect the UPS directly to a LAN - utilizing a standard RJ45 Ethernet connection; requires no special application software
- Network UPS management - monitor and manage the UPS over any computer attached to the network
- Integrate UPS into Network Management System (NMS) - using the included MIB (Management Information Base) agent or the included SNMP management software
- Schedule events - shutdown or restart connected equipment daily, weekly, or monthly using the integrated scheduler
- Track utility problems via Event Logs - to provide history of power events on the UPS including: power quality, equipment draw, and blackouts.
- Multiple server shutdown - using the included SNMP management software allows the UPS to shutdown multiple devices sequentially when a power event occurs
- Event Notification - notify multiple IT personnel via SNMP traps or e-mail when a power event occurs
- Telnet Support - for flexible configuration of the SNMP card

Card Installation

All compatible Minuteman UPSs feature an SNMP option slot at the rear of the unit.

Browser-based Management Cards

Multiple options are available to meet the needs of a variety of network requirements. Cards include:

SNMP-NV6 NEW!
IPv4/IPv6 compliant; compatible with Endeavor 1-3kVA, Endeavor 6&10kVA, EnterprisePlus, & PRO-RT UPSs. New features include:

- Full compatibility with both IPv4 and IPv6 standards making it the perfect card for future migration options
- Compatible with SNMPv1, v2C, and v3 protocols
- Supports SYSLOG; send messages to a maximum of four Syslog servers when an event occurs
- Supports RADIUS Login application
- User Configurable Event Alarm levels
- Adjustable Low Battery warning alarm
- Batch Configurations and Upgrades

SNMP-NET
Base SNMP card compatible with Endeavor 1-3kVA, Endeavor 6&10kVA, EnterprisePlus, & PRO-RT UPSs

SNMP-SSL
SNMP-NET card with SSL security features compatible with Endeavor 1-3kVA, Endeavor 6&10kVA, EnterprisePlus, & PRO-RT UPSs. Security Features include:

- Supports SSL, SSH, HTTPS, and SNMPv3 security protocols
- Supports RADIUS Login Application

NetAgent SNMP
SNMP management compatible with CPE Series UPSs.

Monitoring Accessories

Multiple accessories are available to provide administrators with a complete monitoring solution for networks.

- ENV Probe - temperature and humidity monitoring module for SNMP-NET and NV6 cards
- SSL Detection Modules:
  - SSL-EMD (temp/humidity), SSL-SMOKE, SSL-WATER, SSL-VIBRATION, SSL-DOOR
**SNMP Card Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>SNMP-NV6</th>
<th>SNMP-NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network Connection</td>
<td>RJ-45 Jack Connection</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0 ~ 40°C</td>
<td></td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>10 ~ 80%</td>
<td></td>
</tr>
<tr>
<td>Power Input</td>
<td>9 ~ 24V DC</td>
<td></td>
</tr>
<tr>
<td>Power Consumption</td>
<td>2 Watt Maximum</td>
<td>1 Watt Maximum</td>
</tr>
<tr>
<td>Size</td>
<td>130 mm x 60 mm (L x W)</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>75g</td>
<td>58g</td>
</tr>
</tbody>
</table>

**Model** | **SNMP-SSL**
---|---
CPU | 16-bits AC1105 Fast Ethernet RISC Processor Phoenix Kernel
Memory | 2MB (1Mbit x16) TFBGA Flash ROM 2MB (1Mbit x16) SDRAM
Serial Communication | Two UART Channels, one RJ-45, one Gold finger.
LAN Controller | 10/100 Mbits Ethernet controller
Network Connection | 10/100 TX RJ-45 jack connector
RTC | Real time clock
Network Protocol | SNMP over UDP/IP / HTTP over TCP/IP ARP, TFTP, SSH, SSL, NTP and ICMP
Supported MIB | UPS MIB (RFC1628) / SNMP-SSL MIB
Operating Temperature | 0 ~ 40°C
Operating Humidity | 10 ~ 80%
Power Input | 8-15V DC
Power Consumption | 3.0 Watts Maximum
Size (L x W x H) | 5.1 x 2.4 x 0.7 inches / 130 x 60 x 18.2 mm
Weight | 0.2 lbs / 0.09 Kgs
Regulatory Compliance | FCC class B / CE class B

**ENV Probe Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>ENV Probe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size (L x W x H)</td>
<td>2.6” x 2.0” x 1.4”</td>
</tr>
<tr>
<td>Weight</td>
<td>0.50 lbs</td>
</tr>
<tr>
<td>Temperature Measurement</td>
<td>0 ~ 65°C</td>
</tr>
<tr>
<td>Humidity Measurement</td>
<td>20 ~ 90%</td>
</tr>
<tr>
<td>Power Input</td>
<td>12V DC</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>400 mw</td>
</tr>
</tbody>
</table>

**SNMP-NET/NV6 Interface**

- EZSetting configuration screen (NV6 & NET)
- Web-based status screen (NV6)
- UPS/SNMP configuration screen (NV6)
- Schedule actions (shutdown, restart, or 10-second test) to happen weekly (NV6)

Minuteman SNMP cards are an interface between the UPS and the network. Cards can communicate the status of a UPS and issue commands to it. All Minuteman SNMP cards support SNMP and HTTP protocols for user access. Through the SNMP NMS and/or Web Browser, users can monitor the UPS status, issue commands, and set up the SNMP card through the network.

© Copyright 2013, Para Systems, Inc. Product specifications are subject to change without notice. Minuteman and Minuteman Platinum Protection Plan are registered trademarks of Para Systems, Inc.

www.minutemanups.com/snmp