Eaton Power Xpert Gateway UPS Card

Features/benefits

• Web-enabled monitoring of power quality data - Data can be viewed from any location with a Web browser.
• Data, event and system logging with time stamp - Accurate logging for power quality analysis, log files can be exported in a CSV format to Excel to help generate reports.
• Modbus TCP/IP and SNMP v3 Support - Open communication protocol facilitates integration with standard building management systems and network management systems.
• Intelligent email communications - Two options for alarm and event email notification, individual emails or collective notification, providing the same information with a drastically reduced number of emails.
• Easy integration into existing Ethernet infrastructure - Minimize installation cost.
• Netwatch shut-down client compatibility - configure Netwatch directly in the PXGX card UI, set up UPS shut-down schedules, as well as UPS test and control.
• Seamless integration of Eaton UPSs into Power Xpert® Software - Web-enable and monitor all of your equipment, Eaton or other manufacturers, with the Power Xpert Architecture.

Power monitoring in a networked world

Effective monitoring of the power system is critical to responding to events, preventing downtime and optimizing performance, which translates to greater reliability and cost efficiencies down the road.

The Power Xpert Gateway UPS Card (PXGX UPS) provides Web-enabled, real-time monitoring of Eaton uninterruptible power supplies (UPSs) through standard on-board Web pages, Power Xpert Software or third-party software. An integral part of the Power Xpert Architecture, which provides end-to-end power chain management, the PXGX UPS provides a central point to connect UPSs to an Ethernet network.

Develop baseline energy usage

Interval-based data history, event, and system logs can be viewed via Web browser, downloaded for review in MS Excel® or emailed to others for further analysis.

Securely view critical power data how and when you choose

Eaton provides the information needed to make critical power management decisions to keep the organization running effectively and efficiently.

You can rest assured that your information is secure when employing the PXGX UPS. It provides two levels of password authentication, thereby restricting access to Admin level for configuration separate from general use. For those seeking additional security, the PXGX UPS supports secure, Web-based communication via SSL.

Information is presented in organized, user-friendly Web pages. Device detail pages include real-time data such as:

• UPS Identification such as name, serial number, type
• UPS status
• UPS input current
• Input, inverter and output voltage
• Input and output frequency
• % full load
• Battery status
• Load segment status
• Output power
• Alarm status
# Technical specifications

## The Power Xpert Gateway UPS Card kit includes the following:

- Power Xpert Gateway UPS Card
- Local Configuration Cable
- Quick Start Guide

## Ordering information

<table>
<thead>
<tr>
<th>Catalog number</th>
<th>PXGXUPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Style number</td>
<td>10300797-5591</td>
</tr>
</tbody>
</table>

- Description: Power Xpert Gateway UPS Card for use with Eaton UPSs

## Devices supported

Eaton uninterruptible power supplies with X-Slot compatibility; these include the Eaton 9155, 9315, 9355, 9390, 9390IT, 9395, and BladeUPS®

## Communication ports

<table>
<thead>
<tr>
<th>Ethernet ports</th>
<th>Two RJ45 ports: supports 10/100BaseT for daisy chaining via integrated Ethernet switch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serial ports</td>
<td>One USB port: supports local configuration and one RJ45 for optional connection to an Environmental Monitoring Probe (EMP)</td>
</tr>
</tbody>
</table>

## Communication protocols supported

- Web server: Supports data access from Web browsers (HTTP and HTTPS)
- Modbus TCP/IP: Supports data access from Modbus TCP clients
- SNMP v1 & v3: Supports common network management tools
- SMTP: Supports email notification
- NTP: Supports time synchronization via an NTP server for card and UPS synchronization
- DHCP: Supports automatic IP address assignments, if enabled
- IP v4 & v6: IP v4 and v6 compatibility

## Supported MIBs

- Eaton Power MIB
- RFC 1628 UPS MIB
- Eaton EMP MIB
- Eaton alarms and traps MIB
- RFC 4133 Entity MIB
- RFC 4268 Entity State MIB; RFC 4268 Entity State MIB Part 2
- RFC 1213 MIB II
- Eaton Power MIB
- RFC 1628 UPS MIB
- Eaton EMP MIB
- Eaton alarms and traps MIB
- RFC 4133 Entity MIB
- RFC 4268 Entity State MIB; RFC 4268 Entity State MIB Part 2
- RFC 1213 MIB II

## Web browsers supported

- IE 7 and 8
- Mozilla Firefox 2.0 and higher
- Google Chrome

## Physical characteristics

- Dimensions: 12 cm x 11.4 cm x 3.9 cm (4.7" x 4.5" x 1.5")
- Weight: 200 grams (7.0 oz)

## Environmental specifications

- Ambient operating: 0 to +40° C (32 to 104° F)
- Relative humidity: 10 to 80%, non-condensing
- Altitude: 10,000 ft
- Enclosure rating: Indoor use only

## Mounting configuration

- X-Slot form factor fits directly into UPS chassis

## Power supply

- Nominal input voltage: 12 VDC, unregulated (provided by UPS)
- Input voltage range: 8 – 25 VDC, unregulated

## Power consumption

- 3.5 Watts

## Regulatory/standards compliance

- FCC Part 15, Class A
- CISPR 22, Class A
- ROHS compliant

Note: Features and specifications listed in this document are subject to change without notice and represent the maximum capabilities of the software and products with all options installed. This is not a complete feature list. Features and functionality may vary depending on selected options.

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