



Powerware

Power Xpert® Gateway Series 1000 Card

Product Focus

Delivers real-time, Web-enabled monitoring of Powerware® Power Distribution Units and Remote Power Panels



Product Snapshot

- Real-time power monitoring presented how you need it – via standard on-board Web pages, Power Xpert Software or 3rd party network or building management systems
- Independent, redundant Ethernet ports support high reliability systems
- Supports the Powerware Environmental Monitoring Probe

Features/Benefits

- **Web-enabled monitoring of power quality data down to the branch circuit level** - Data can be viewed from any location with a web browser
- **Data and event logging with time stamp** - Accurate logging for power quality analysis
- **Modbus TCP/IP and SNMP Support** - Open communication protocol facilitates integration with standard building management systems and network management systems
- **Customized email messaging for events notification, including data and event logs and periodic “heartbeat” emails** - Direct alarm and event notification to the appropriate person(s) in the organization
- **Easy integration into existing Ethernet infrastructure** - Minimize installation cost
- **Seamless integration of Powerware PDUs and RPPs 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 Series 1000 Card (PXGX 1000) provides Web-enabled, real-time monitoring of Powerware Power Distribution Units (PDUs) and Powerware Remote Power Panels (RPPs) 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 1000 provides a central point to connect PDUs and RPPs to an Ethernet network.

Network managers can view critical downstream device information, such as status, power, energy and power quality data with an easy-to-use interface of complex power quality data.

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 1000. It provides password authentication to keep access to configuration separate from general use. For those seeking additional security, the PXGX 1000 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:

- PDU Identification such as name, serial number, type
- Device/breaker status
- Current
- Voltage
- Power
- Energy
- Frequency
- % Load
- Current THD
- Voltage THD
- Power factor
- Alarm status

View history

Data history logs and event logs can be viewed via Web browser, downloaded for review in MS Excel or emailed to others for further analysis.

Email messages

You have the ability to customize and direct email notifications to anyone in your organization. Select from alarm notifications, data logs and heartbeat emails. This provides yet one more way to effectively and proactively manage your power system.

Monitor the environment

The Powerware Environmental Monitoring Probe (EMP) option is also supported via the PXGX 1000. The temperature, relative humidity, and status of two contact closures can be viewed in addition to the PDU and RPP data.

Technical Specifications

THE POWER XPERT GATEWAY SERIES 1000 CARD KIT INCLUDES THE FOLLOWING:

Power Xpert Gateway Series 1000 Card
Ethernet Cable
Local Configuration Cable
Quick Start Guide

Ordering Information

Catalog Number	PXGX 1000
Style Number	103005741-5591
Description	Power Xpert Gateway Series 1000 Card for use with Powerware PDUs

Devices Supported

Powerware Power Distribution Units with X-Slot® compatibility
Powerware Remote Power Panels with X-Slot compatibility

Communication Ports

Ethernet Ports	Two independent RJ45 ports: supports 10/100BaseT for redundant network configurations
Serial Ports	One RJ45 console port: supports local configuration and optional connection to an Environmental Monitoring Probe (EMP)

Communication Protocols Supported

Web Server	Supports data access from Web browsers (HTTP and HTTPS)
Modbus TCP/IP	Supports data access from Modbus TCP clients
BACnet/WS	Supports data exchange with Power Xpert software or third party clients
SNMP	Supports common network management tools
SMTP	Supports email notification
NTP	Supports time synchronization via an NTP server for card and PDU synchronization

Supported MIBs

Eaton PDU MIB
Eaton EMP MIB
Eaton Alarms and Traps MIB
RFC 4133 Entity MIB
RFC 4268 Entity State MIB
RFC 1213 MIB II

Web Browsers Supported

IE
Mozilla Firefox

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 PDU chassis

Power Supply

Nominal Input Voltage	12 VDC, unregulated (provided by PDU/RPP)
Input Voltage Range	8 – 25 VDC, unregulated

Power Consumption

2.0 Watts

Regulatory/Standards Compliance

FCC Part 15, Class A	
CISPR 22, Class A	
ROHS compliant	
Telecom Conducted via EU Standard	EN 55022:1988+A1:2000+A2:2003, Class A/EN55022:1988+A1:2000+A2:2003

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