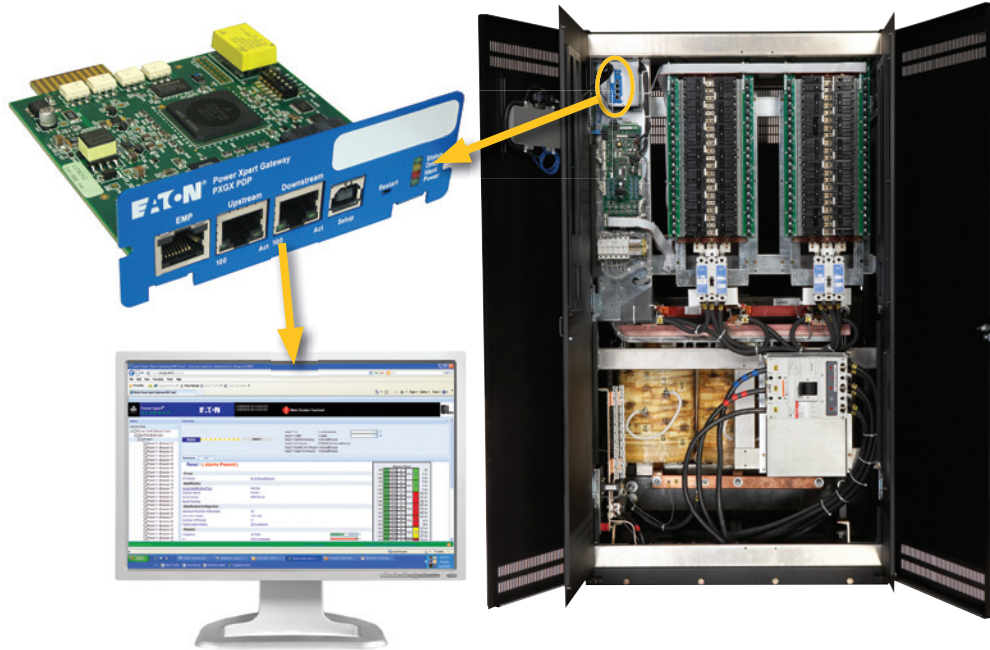


# Power Xpert® Gateway PDP Card



Delivers real-time, Web-enabled monitoring of Eaton® Power Distribution Units, Rack Power Modules 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
- Ethernet switch port allowing for daisy chaining of Ethernet communicating products
- Allows easy and remote configuration and monitoring of the the Eaton Energy Management System (EMS)
- Supports the Eaton Environmental Monitoring Probe

## Features and benefits

- **Monitor energy usage** - reveal opportunities and verify results of efficiency improvements
- **Remote Monitoring** - via the Web monitor real-time data and profile energy usage on your power distribution system



Powering Business Worldwide

## Monitoring energy in a networked world

The Power Xpert Gateway PDP card (PXGX PDP) is the primary data acquisition solution for Eaton power distribution units (PDUs) remote power panels (RPPs), rack power modules (RPMs), power distribution racks (PDRs), and energy management system upgrade kits (EMSs). Data from the downstream devices are time stamped and stored in non-volatile memory. This interval data can be stored or uploaded to a destination of the user's choice through CSV files. Data can also be accessed through any Web browser directly on the PXGX PDP down to the individual breaker level. Users can view data in Power Xpert Software, BMS, NMS, building dash boards, custom software applications, or virtually any Web interface.

## Free Power Xpert Energy Viewer

This free software download works with the PXGX PDP to allow quick and easy views of energy usage and comparison data. Yes, the data is available via a CSV file, however this tool doesn't require a Microsoft® Excel® spreadsheet expert. Simply select the energy parameters you're interested in tracking, and click! It automatically displays energy usage summary information in both tabular and graphical format. You can even compare the energy data from two devices from any IP address, anywhere in the world. This free tool is available at [www.eaton.com/pxgx](http://www.eaton.com/pxgx).

## 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 PDP. It provides password authentication to keep access to configuration separate from general use. For those seeking additional security, the PXGX PDP supports secure, Web-based communication via SSL.

- **Web-enabled monitoring of power quality data down to the branch circuit level** - Data can be viewed from any location with a Web browser
- **Configure and edit the EMS remotely via the Web interface** - supports remote configuration including naming, alarm and warning set points, and percentages
- **Data, interval 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, interval 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

## Remotely configure and edit panel and breaker settings from your desk

Improve productivity with Eaton's ability to remotely configure or edit panel and breaker settings in your PDU, RPP or RPM with the on-board configuration pages that guide you through the process. Additionally, the 'Save and Restore' feature provides an effective method to reproduce the configuration if needed at a later time.

## View history

Data historical logs, interval logs and event logs can be viewed via Web browser, downloaded for review in MS Excel, or emailed to others for further analysis. In addition, the data can be viewed in Power Xpert Software, Power Xpert Reporting and third party ModbusTCP software systems.

## 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 Eaton Environmental Monitoring Probe (EMP) option is also supported via the PXGX PDP. 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 PDP CARD KIT INCLUDES THE FOLLOWING:

Power Xpert Gateway PDP Card	
Local configuration cable	
Quick start guide	
<b>Ordering information</b>	
Catalog number	PXGXDPDP
Style number	103008064-5591
Description	Power Xpert Gateway PDP Card for use with Eaton PDUs/RPPs/RPMs/PDRs/EMS with X-slot compatibility
<b>Devices supported</b>	
Eaton Power Distribution Units with X-Slot® compatibility	
Eaton Remote Power Panels with X-Slot compatibility	
Eaton Rack Power Modules with X-Slot compatibility	
Eaton Power Distribution Racks with X-Slot compatibility	
Eaton Energy Management System with X-Slot compatibility	
<b>Communication ports</b>	
Ethernet ports	Two RJ45 ports: supports 10/100 BaseT for daisy chaining via integrated Ethernet switch
Serial ports	One USB port: supports local configuration and one RJ45 for optional connection to an Environmental Monitoring Probe (EMP)
<b>Communication protocols supported</b>	
Web server	Supports data access from Web browsers (HTTP and HTTPS)
Modbus TCP/IP	Supports data access from Modbus TCP clients
SNMP	Supports common network management tools
SMTP	Supports email notification
NTP	Supports time synchronization via an NTP server for card and PDU synchronization
DHCP	Supports automatic IP address assignments, if enabled
IP v4 and v6	IP v4 and IP v6 compatibility

### Supported MIBs

Eaton PDU MIB
Eaton EMP MIB
Eaton Alarms and Traps MIB
RFC 4133 Entity MIB
RFC 4268 Entity State MIB
RFC 4268 Entity State MIB Part II
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 PDU/RPP/RPM/PDR/EMS-UGK chassis
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### Power supply

Nominal input voltage	12 VDC, unregulated (provided by PDU/RPP)
Input voltage range	8 – 25 VDC, unregulated

### Power consumption

3.5 watts
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### Regulatory/standards compliance

FCC Part 15, Class A	
CISPR 22, Class A	
ROHS compliant	
Telecom conducted via EU Standard	EU Standard: EN 55022:2006 Class A EN 55024:1998+A1:2001:A2:2003

**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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Printed in USA  
PX01FXA / TN  
February 2011