

# EATON

# Powerware

## Powerware® Expansion Chassis

Product Focus



### Features

- Creates wide array of communication options for UPSs
- Acts as the framework for protocol conversion via compatible X-Slot cards to:
  - Modbus; SNMP; HTTP
- Compatible with X-Slot cards
  - Modbus Card (one included); ConnectUPS-X SNMP/Web Adapter; ConnectUPS-M SNMP Module; Single Port Serial Card; Multi-server Card
- Supports wide range of UPSs
  - Powerware 5115; Powerware 5125; Powerware 9120; Powerware 9125; Powerware 9170+; Powerware Prestige 9; Powerware Plus 12, 18, 36; Powerware 9315 with Reverse Transfer Module or with Powerware Hot Sync™ technology for Parallel Redundancy, Parallel Capacity UPM, or Parallel Capacity SBM; Powerware 9320; Powerware 9335
- Flexible mounting options
- Redundant power inputs

With network complexities increasing, a variety of communication methodologies may be used to monitor critical equipment on the network. At the same time, the availability of reliable power is becoming more important for maintaining data integrity. The net effect of these factors is the need for flexibility of communication methods with strategic equipment including an uninterruptible power system (UPS). With the Powerware Expansion Chassis, users may easily configure a UPS-based power protection system that supports the chosen network protocol.

### Communication Card Options/ Protocol Conversion

The Expansion Chassis is a three-slot peripheral device that expands communication methods for a UPS through its support of X-Slot cards. It comes preconfigured with a card that conforms to the Modicon® Modbus® protocol. The Modbus

Card serves as the integral communications controller for the other two slots.

The Modbus Card and its associated Profiler software utility allow easy integration into a building management system (BMS). Key facilities personnel may monitor power conditions in real-time through this configuration.

Two additional slots are available for use with any of the following cards:

- ConnectUPS-X SNMP/Web Adapter – monitor via SNMP or the Web
- ConnectUPS-M SNMP Module – monitor via Simple Network Management Protocol (SNMP)
- Single Port Serial Card – connect an additional server for monitoring and graceful shutdown

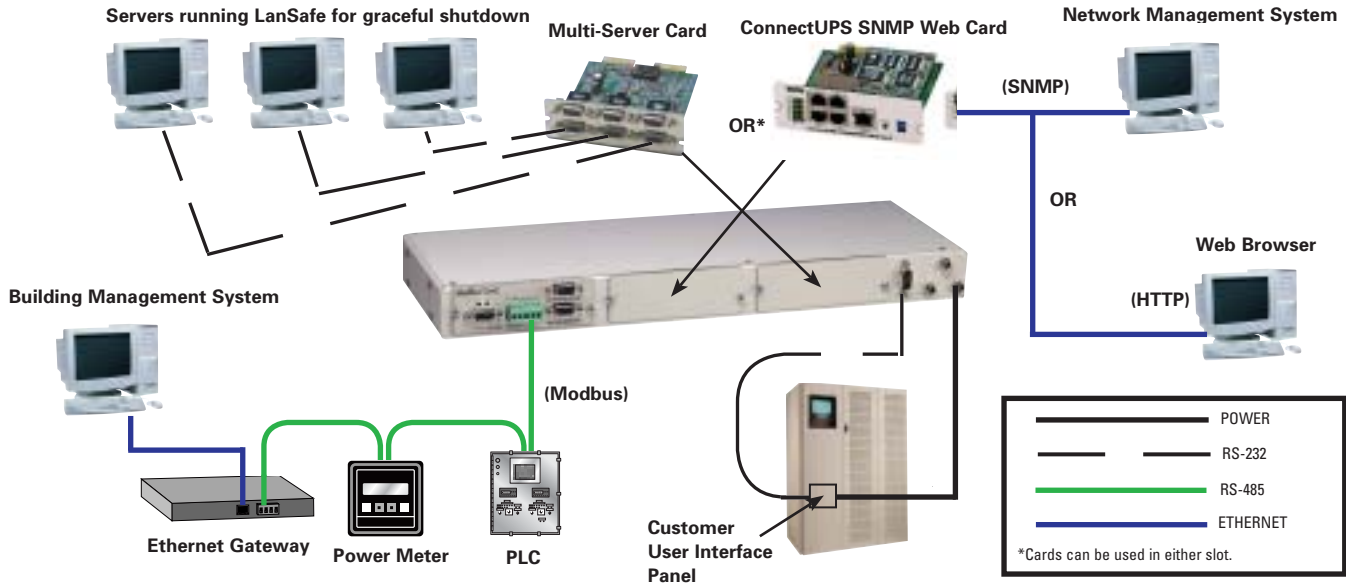
- Multi-server Card – connect up to three servers for monitoring and graceful shutdown, supports load segment control and RS-232 signals for low battery and AC fail
- Modbus Card – connect to another Modbus network, monitor via BMS

The Expansion Chassis and associated cards effectively act as a protocol converter easily integrating the UPS into open architecture management systems.

### Flexible Mounting

The Expansion Chassis may be placed on or close to the associated UPS using the included mounting feet. The kit includes brackets for rack and wall mounting.

# Typical Configuration



## Technical Specifications

Part Number	05147063
Description	Adds Modbus Card plus 2 additional slots for X-Slot communication cards to supported UPSs
Included Card	Modbus Card
Optional Cards	ConnectUPS-Web/SNMP-X xHub Card ConnectUPS-M SNMP Module Single Port Serial Card Multi-server Card Additional Modbus Card
Communication with UPS	DB-9 via included serial cable
UPS Compatibility	Powerware 5115; Powerware 5125; Powerware 9120; Powerware 9125; Powerware 9155; Powerware 9170+; Powerware Prestige 9; Powerware Plus 12, 18, 36; Powerware 9315 Reverse Transfer Module; Powerware 9315 Hot Sync Parallel Redundant Module; Powerware 9315 Hot Sync Parallel Capacity UPM; Powerware 9315 Hot Sync Parallel Capacity SBM; Powerware 9320; Powerware 9335; Powerware 9390
Mounting	Stand-alone (feet), rack (19 inches), or wall mount
Operating Temperature	10° to 40°C
Operating Humidity	20 to 80% relative humidity (non-condensing)
Power Input	Switchable 230/120 VAC, 50/60 Hz (via included transformer)
Power Consumption	6 Watts maximum
Dimensions	18" x 1.75" x 6"
Weight	6 lbs. (including 1 lb. for power supply)
Regulatory	FCC Class B

UNITED STATES  
8609 Six Forks Road  
Raleigh, NC 27615 U.S.A.  
Toll Free: 1.800.356.5794  
or 919.872.3020

www.powerware.com

CANADA  
Ontario: 416.798.0112

LATIN AMERICA  
Argentina: 54.11.4343.6323  
Brazil: 55.11.3616.8500  
México: 52.55.5488.5252

EUROPE/MIDDLE EAST/AFRICA  
Denmark: 45.3686.7910  
Finland: 358.94.52.661  
France: 33.1.6012.7400  
Germany: 49.7841.666.0  
Italy: 39.02.66.04.05.40  
Norway: 47.23.03.65.50  
Sweden: 46.8.598.940.00  
United Kingdom: 44.1753.608.700

ASIA PACIFIC  
Australia/NZ: 61.2.9878.5000  
China: 86.21.6361.5599  
HK/Korea/Taiwan: 852.2745.6682  
India: 91.11.2649.9414 to 18  
Singapore/SEA: 65.6829.8888

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