Powerware® Expansion Chassis

Features and Benefits

▶ Creates wide array of communi-cation options for UPSs

▶ Acts as the framework for proto-col 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 Reverse Transfer Module

    -Powerware 9315 Hot Sync Parallel Redundant Module

    -Powerware 9315 Hot Sync Parallel Capacity UPM

    -Powerware 9315 Hot Sync Parallel Capacity SBM

▶ 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 for 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 facil-ities personnel may monitor power conditions in real-time through this configuration.

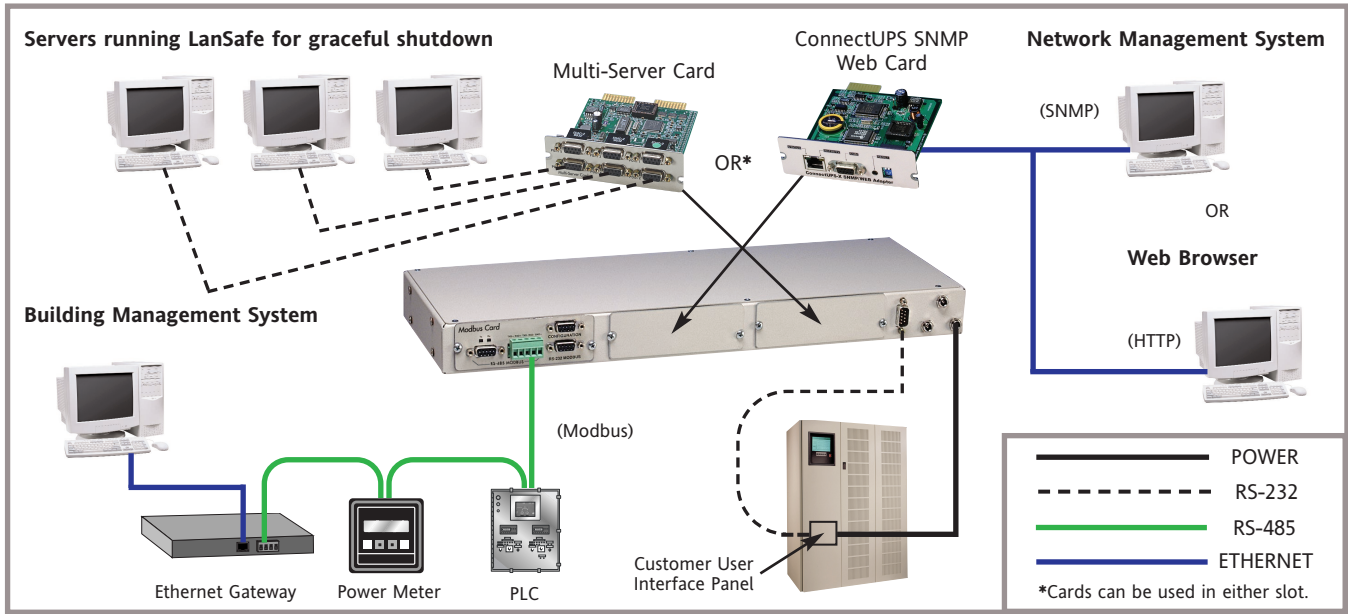Two additional slots are available for use with any of the following cards:

▶ 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.

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Typical Configuration

Servers running LanSafe for graceful shutdown

Multi-Server Card

ConnectUPS SNMP Web Card

Network Management System

(SNMP)

OR*

OR

Web Browser

(HTTP)

Building Management System

(Modbus)

Ethernet Gateway   Power Meter   PLC

Customer User Interface Panel

———	POWER
- - - - -	RS-232
———	RS-485
———	ETHERNET

*Cards can be used in either slot.

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-X SNMP/Web Adapter
	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 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
Mounting	Stand-alone (feet), rack (19 inches), or wall mount
Operating Temperature	10º to 40ºC
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

Modbus is a registered trademark of Modicon. Powerware, X-slot and ConnectUPS are trademarks of Powerware Corporation.

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