

Features and Benefits

Dominion® PX



Features	Benefits
Power Distribution	
Power Sequencing (User Defined)	In the event the PX is reset, the outlets will be turned on in a user-defined sequence at user-defined intervals to prevent tripping circuit breakers due to in-rush currents. (Applies only to PX models that support switching.)
Receptacle Status Retention	In the event of a power outage, power is restored only to those receptacles that were on before the outage. For PX models that don't support switching, power will be restored to all outlets.
Circuit Breakers	The PX uses UL 489 circuit breakers instead of fuses in 30A/32A models or higher, meeting the newest safety standard for branch circuit protection (UL60950 3 rd edition). This eliminates the need for spare fuses and the time to replace them. Also, in many cases, a certified/licensed electrician is required to replace a fuse, whereas circuit breakers can be reset by a user.
Power Monitoring	
Power Metering	The PX enables users to measure power at the outlet level (RMS, apparent power), providing an accurate view of power consumption at both a server or PDU level.
Alerting	In case a threshold is exceeded, or a circuit breaker trips, the PX alerts the user via e-mail, SMS (via external gateway), audio alarm, and SNMP TRAPs, providing advanced warning before major incidents occur.
Overload Alarm	User-configurable current threshold provides audible and visual alarm on current overload, allowing the user to act immediately to prevent potential burnouts and interruption of services.
Environmental Monitoring	The PX supports external optional but fully integrated temperature and humidity sensors, providing early warning about hotspots or changes in cooling.
Seven-Segment LED Display	Shows actual current, voltage and circuit breaker status of the PDU for both the total strip and for individual receptacles.
Remote Access	
IP Auto Configuration with DHCP, BOOTP	Easy setup and administration.

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Flexible Remote Access Options	Users can access the PX through a variety of access protocols for switching (where supported), metering, data collection and monitoring: <ul style="list-style-type: none"> ▶ Convenient HTML GUI ▶ Server Management Interface (IPMI) ▶ Network Management Interface (SNMP) ▶ UNIX[®]-like console interface via serial connector or TELNET/SSH (compatible with SMASH server management)
Dynamic DNS Support	Users can access the PX over a connection with a dynamically assigned IP address – which corresponds to a single DNS name.
IPMI and SMASH CLP	The first and only PDU in the world that supports industry management standards: the Intelligent Platform Management Interface (IPMI) and the Distributed Management Task Force's (DMTF) Systems Management Architecture for Server Hardware (SMASH) CLP, providing a uniform way to manage both servers and the PDU.
Power Management	
HTML User Interface	The PX's intuitive browser-based GUI enables remote energy management.
Outlet Grouping	When using PX models which support switching in a stand-alone mode over TCP/IP, users can define multiple outlets across multiple PDUs to function as a single virtual outlet. This is useful for powering down and rebooting servers with redundant power supplies.
Virtual Outlets	For PX models that support switching, outlets on multiple PX units can be grouped for ease of management and administration of servers.
Integration with Multiple Raritan Solutions	Simplified power control capabilities, power on/off/recycle, is available through Raritan's Dominion KX II, Dominion SX, Paragon II, and CommandCenter [®] Secure Gateway 3.1.1 or higher, providing systems administrators access to power control via one-user interface.
Security	
Up to 256-bit AES Encryption	The PX is the first and only PDU in the industry that supports 256-bit AES encryption.
SSL Certificate	Creating individual server side SSL certificates enhances the security level of PX.
Event Logging	Tracks user logins, logouts, and power activities for an audit trail to support regulatory compliance.
Local and Remote Authentication and Authorization	PX provides built-in support for standards-based authentication protocols, including LDAP/S, RADIUS, and Active Directory. When deployed in conjunction with other Raritan solutions, additional authentication schemes can be supported, including TACACS+, Kerberos, and SecureID.
User-Rights Per Outlet	An administrator can assign permissions on an outlet level to prevent unauthorized access.
Hardware Features	

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Vertical and Horizontal Rack Mount Models	PX units come in a choice of space-saving form factors for vertical and horizontal rack mounting. 1U and 2U units mount horizontally on standard racks. Zero U units mount vertically on rack frames.
Integration with Industry-Leading Racks	Easy integration and support for up to 5 different mounting positions in industry-leading racks.
Connections	Serial RJ-12 for environmental probes, RJ-45 for serial access/Power-CIM, RJ-45 Ethernet 10/100Base-T. Link status, network activity, and 10/100 status LED. Full support for full-duplex and 100Mbps operation.
Receptacle Status LED	Individual LED indicator at each receptacle allow for quick and easy status checks at the rack.
Flexibility of Connections	Simultaneous connection via Ethernet (TCP/IP) and serial ports for advanced applications and redundancy of connections.