

Features and Benefits

Dominion® PX™



Features	Benefits
Power Distribution	
<i>Power Sequencing (User Defined)</i>	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.)
<i>Receptacle Status Retention</i>	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.
<i>Circuit Breakers</i>	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	
<i>Power Metering</i>	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.
<i>Alerting</i>	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.
<i>Overload Alarm</i>	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.
<i>Environmental Monitoring</i>	The PX supports external optional but fully integrated temperature and humidity sensors, providing early warning about hotspots or changes in cooling.
<i>Seven-Segment LED Display</i>	Shows actual current, voltage and circuit breaker status of the PDU for both the total strip and for individual receptacles.
Remote Access	
<i>IP Auto Configuration with DHCP, BOOTP</i>	Easy setup and administration.



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<i>Flexible Remote Access Options</i>	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)
<i>Dynamic DNS Support</i>	Users can access the PX over a connection with a dynamically assigned IP address – which corresponds to a single DNS name.
<i>IPMI and SMASH CLP</i>	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	
<i>HTML User Interface</i>	The PX's intuitive browser-based GUI enables remote energy management.
<i>Outlet Grouping</i>	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.
<i>Virtual Outlets</i>	For PX models that support switching, outlets on multiple PX units can be grouped for ease of management and administration of servers.
<i>Integration with Multiple Raritan Solutions</i>	Simplified power control capabilities, power on/off/recycle, is available through Raritan's Dominion KXII, 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	
<i>Up to 256-bit AES Encryption</i>	The PX is the first and only PDU in the industry that supports 256-bit AES encryption.
<i>SSL Certificate</i>	Creating individual server side SSL certificates enhances the security level of PX.
<i>Event Logging</i>	Tracks user logins, logouts, and power activities for an audit trail to support regulatory compliance.
<i>Local and Remote Authentication and Authorization</i>	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.



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<i>User-Rights Per Outlet</i>	An administrator can assign permissions on an outlet level to prevent unauthorized access.
Hardware Features	
<i>Vertical and Horizontal Rack Mount Models</i>	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.
<i>Integration with Industry-Leading Racks</i>	Easy integration and support for up to 5 different mounting positions in industry-leading racks.
<i>Connections</i>	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.
<i>Receptacle Status LED</i>	Individual LED indicator at each receptacle allow for quick and easy status checks at the rack.
<i>Flexibility of Connections</i>	Simultaneous connection via Ethernet (TCP/IP) and serial ports for advanced applications and redundancy of connections.