

Features and Benefits

Dominion® PX®



Features	Benefits
Power Metering and Monitoring	
<i>Remote power monitoring, metering and rich data collection including current (amps), voltage, power (kVA, kW) and energy consumption (kWh)</i>	Make informed capacity planning decisions and efficiently utilize power resources such as finding stranded power in racks. Measure IT equipment power consumption to save power and money, calculate Green Grid's PUE Level 2 and Level 3, and drive green data center initiatives.
<i>LED and alarms for unbalanced loads based on user-adjustable thresholds</i>	Increase efficiency, utilization and capacity. Load balance lines and circuits to avoid overloading neutral lines. Improve uptime and staff productivity.
<i>Capable of ISO/IEC +/- 1% billing-grade accuracy real-time power monitoring and metering, down to individual outlets for some models</i>	Report and/or bill back power consumption (kWh). Trend and track energy utilization or bill power costs to users.
<i>User-adjustable power data sampling and buffering</i>	End users can choose the frequency at which they monitor power and the amount of data they gather.
Power Management, Security and Remote Access	
<i>Alerts via SNMP, e-mail and syslog from individual outlets, units, lines and circuit breakers when user-adjustable thresholds are exceeded</i>	Receive advanced warning of potential problems with critical and non-critical thresholds and alerts.
<i>Standards based polling, configuration and alerting with encryption via SNMP v1, v2, v3 support, SETs, GETs and TRAPs</i>	Increase uptime with alerts. Collect data for trending and capacity management.
<i>Ethernet, serial, USB-A, USB-B and sensor connections</i>	Supports modem control functions for serial console access. Connectivity options for third-party peripherals enabling new applications, e.g., wireless, USB drives, etc.
<i>Webcam support</i>	Webcam is supported for cabinet and data center security triggered by optional contact closure (DPX-CC2-TR) or other sensors such as temperature, humidity airflow and air pressure. (Tested with Logitech 9000 Pro webcam)



Please note: Not all features are available on all PX models.

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<i>Directory services support providing advanced authorization options, including permissions, LDAP/S, RADIUS and Active Directory®. 256-bit AES encryption and strong passwords</i>	Configure user access rights and security settings.
<i>Remote access via Web and CLI. Supports HTTP, HTTPS, SSH and Telnet</i>	Check status of PDUs, lines, circuit breakers and individual outlets. For switched models, remotely provision (turn on), reboot and switch individual outlets and groups of outlets with user-configurable, outlet-level delays for power sequencing.
<i>Compatible with Raritan's Power IQ®</i>	Centralize power control and analytics and measure CO ₂ footprints.
Environmental Monitoring	
<i>Environment-monitoring-ready intelligent rack PDUs with optional plug-and-play environmental sensors</i>	Monitor temperature and humidity to identify hot spots, confidently raise the ambient temperature of your data center to reduce cooling power consumption and manage static problems. Increase efficiency with ASHRAE guidelines.
<i>Alerts based on user-defined environmental thresholds</i>	Save costs by leveraging PX to monitor the data center environment and receive alerts when thresholds are reached.
<i>LED indication if sensor is plugged in and detected</i>	Provides confidence that environmental sensors are functioning and properly monitoring the data center environment.
Hardware	
<i>Hundreds of models</i>	Meets all your data center applications, including models with outlet switching and individual outlet metering.
<i>High-power, including 400V power distribution and high temp 60C models</i>	For high-heat environments such as blade servers, high-density applications and storage area networks (SANs). Supports hot aisle containment and high-power blade racks.
<i>High-quality construction and components such as solder connections to copper bus bars in PCBs, ISO 9000 quality manufacturing and quality components from Tyco, Hubbell® and Mennekes®</i>	Superior reliability compared to other rack PDUs available.
<i>Cascade up to four PX rack PDUs.</i>	One PX rack PDU can access via one Ethernet connection up to three additional PX rack PDUs (a total of up to four, one master and three slaves) via cascading PX USB ports (USB-A (host) to USB-B (device)). Each PX requires its own IP address so that functions for all PX units are individually supported, e.g., ping, SNMP, alerts, firmware upgrades, HTTP/S access, SSH, etc.



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<i>Lightweight and strong extruded aluminum chassis with excellent heat dissipation and versatile button and bracket mounts</i>	Mounting flexibility.
<i>Designed with 3D CAD/CAM software</i>	Up to 36% less deep than competitive products for easier rack mounting and minimal equipment and airflow blocking.
<i>UL489 circuit breakers</i>	Meets Underwriters Laboratories' latest branch circuit protection standards. Unlike fuses, an electrician or an inventory of spare fuses are not required. Eliminates the possibility of installing a fuse with the wrong rating.
<i>Smart reversible LED display that changes orientation</i>	Easily check power readings, such as line draw and balance for three-phase rack PDUs at the rack before adding devices. Increases installation flexibility.
<i>Raritan's 25 years of data center management and embedded development experience led to the embedded high-performance processor</i>	Rich and full implementation network management, directory services and security with best-in-class user experience. Scalability and headroom for future upgrades.



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