



Dominion PX Series

Intelligent PDU that simplifies access to and control of power in the data center.

- Remote serial and TCP/IP access to outlet-level switching.
- Single IP address control of outlet groups within a single PDU or across multiple PDUs.
- Unit-level and outlet-level power utilization information.
- Alerts via SNMP, e-mail, and syslog when thresholds are exceeded.
- Environmental sensors including temperature and humidity.
- 256-bit AES encryption and strong passwords.
- Advanced authorization options including outlet-level permissions and LDAP/S, RADIUS, and Active Directory®.
- Supports HTTP, HTTPS, IPMI, SMASH-CLP, SSH, Telnet and SNMP.
- User-configurable, outlet-level delays for power sequencing.



Combined temperature and humidity sensor

Intelligent Rack Power Distribution

Remote serial and TCP/IP outlet-level and PDU-level power monitoring

Dominion® PX, the Raritan family of next-generation, intelligent rack power distribution units (PDUs), are the most intelligent rack PDUs on the market. They provide the following:

- Real-time PDU-level and outlet-level monitoring of power
- Remote PDU-level and outlet-level power switching
- Rack temperature and humidity monitoring

Dominion PX solutions help IT administrators and facilities managers:

- Improve uptime and staff productivity
- Efficiently utilize power resources
- Make informed capacity planning decisions
- Save power and money
- Take a step towards becoming a more green data center

You get control over data center power in ways a “brick with electricity” simply can not deliver. And a simple firmware download will bring upgrades, new features and sophisticated integration with other IT infrastructure management solutions.

Access to electrical power is becoming more and more difficult at a time when the need for power is increasing to support blade servers and racks densely packed with IT equipment. The cost of power is going up both in absolute terms and relative to total data center costs. And there are growing environmental concerns and regulations that will affect data center operations.

Information provided by the intelligent Dominion PX is displayed at the PDU with LEDs (see photo at right), and remotely through a Web browser. Precise, outlet-level access and control allows users to reboot attached appliances.

Outlet grouping allows administrators to control multiple outlets within a single PDU or across multiple PDUs with a single IP address. This is particularly useful when power cycling devices with more than one power supply.

Dominion PX supports up to eight, automatically detected, environmental sensors per PDU, including temperature and humidity. These sensors help data center managers understand hot spots, efficiently and optimally cool equipment and manage the risks associated with static electricity.

Dominion PX supports SNMP for traps, sets and gets. Security is ensured with username and password protection. Thresholds and alerts can be set for both power and environmental monitoring to understand potential fault situations before they lead to actual outages.



Top: Connection for environmental sensors. Middle: TCP/IP and serial ports for remote access. Bottom: LED display of unit-level and outlet-level RMS voltage and current.

Whether used alone or integrated with other Raritan solutions, the intelligent Dominion PX PDU offers secure access with 256-bit AES encryption and strong passwords. Dominion PX supports advanced authorization options, including outlet-level permissions and LDAP/S, RADIUS, and Active Directory®. Flexible management interfaces support HTTP, HTTPS, IPMI, SMASH-CLP, SSH, Telnet and SNMP v2 and v3 with encryption, as well as user-configurable, outlet-level delays for power sequencing.

Dominion PX intelligent PDUs can be integrated with the following Raritan solutions:

- KVM switches: Dominion KX II and Paragon® II
- Secure console servers: Dominion SX
- Centralized IT infrastructure management: CommandCenter® Secure Gateway



UL 489 hydraulic-magnetic circuit breaker on 30 Amp PDU.



Rear of 2U PDU showing current draw for outlet #7. Red LEDs show outlets that are switched on. Green LEDs show outlets that are switched off.

Outlets Display

Name	State	Control	RMS Current	Active Power	Group Member
Server1 (1)	on	On Off Cycle	0.00 Amps	0.00 Watts	no
Outlet 2 (2)	on	On Off Cycle	0.00 Amps	0.00 Watts	yes
Outlet 3 (3)	on	On Off Cycle	0.00 Amps	0.00 Watts	no
Outlet 4 (4)	off	On Off Cycle	0.00 Amps	0.00 Watts	no
Outlet 5 (5)	off	On Off Cycle	0.00 Amps	0.00 Watts	no
Outlet 6 (6)	off	On Off Cycle	0.00 Amps	0.00 Watts	no
Outlet 7 (7)	off	On Off Cycle	0.00 Amps	0.00 Watts	no
Outlet 8 (8)	off	On Off Cycle	0.00 Amps	0.00 Watts	no

Each outlet features an icon whose color and flashing status reflect the status of the outlet.

To see more screen shots from the Dominion PX go to www.raritan-ap.com/px_screenshots

New certification requirements were issued in April 2003 by Underwriters Laboratories requiring UL 489 circuit breakers for PDU configurations greater than 20 amps. The best high-power PDUs for data center use are those, like the Dominion PX, with hydraulic-magnetic circuit breakers designed with delay curves appropriate for IT equipment.

Dominion PX is available in Zero U, 1U and 2U form factors with 8, 12 and 20 outlets. Both NEMA- and IEC-type plugs and receptacles are available in 120 Volt (15, 20 and 30 Amp), 208 Volt (20 and 30 Amp) and 230 Volt (16 and 32 Amp). Certifications include FCC Part 15, A and cTUVus which is fully compliant with UL 60950-1 Rev. 3, EN 55022, Class A, EN 55024, EN 60950-1, CE mark, C-Tick and PSE. Units are RoHS/WEEE compliant.

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Raritan is a leading provider of secure IT infrastructure management solutions that provide IT directors, managers and administrators the control they need to optimize data center productivity, enhance branch office operations and increase overall power management efficiency. In over 50,000 locations around the world, our integrated secure in-band and out-of-band server access, control and power management products help companies better monitor and manage server access, utilization and energy consumption. Raritan's OEM division provides advanced embedded hardware and firmware for server and client management, including KVM over IP, IPMI, intelligent power management and other industry standards-based management applications.

Based in Somerset, N.J., Raritan has 38 offices worldwide, serving 76 countries. For more information, please visit Raritan-Ap.com