PXE Series

Intelligent PDUs that give you more control of power and cooling in the data center.

- Remote power monitoring and metering of current (amps), voltage, power (kVA, kW) and energy consumption (kWh)

- Support for up to 16 environmental sensors

- Power information from units, lines and circuit breakers

- LED display

- Ethernet and USB-B access

- User customizable thresholds and alerts

- Alerts via SNMP, email, GSM SMS (text) and SysLog when thresholds are exceeded

- Supports HTTP, HTTPS, NTP, SMTP, SSH, Telnet, SSL, and SNMP v1, v2 and v3, SNMP INFORMS, JSON-RPC

- Advanced authorization options, including permissions, LDAP/S and Active Directory®

- Strong encryption and passwords

- Cisco EnergyWise™ compliant

- IPv6 support

- 1U and Zero U form factors

Intelligent Metered Rack Power Distribution

The Raritan PXE family of rack power distribution units (PDUs) offers real-time remote power monitoring of power at the inlet: RMS current per line (amps), RMS voltage per line pair, apparent and active power (kVA, kW), power factor and energy consumption (kWh). The PXE series comes in 1U and Zero U models, voltages from single phase 120V AC to three phase 208V AC, 15A to 50A and various combinations of IEC C-13, IEC C-19 and NEMA 5-20R outlets.

Raritan power management solutions enable data center and facilities managers to:

▶ Make informed capacity planning decisions
▶ Efficiently utilize power resources
▶ Improve uptime and staff productivity
▶ Save power and money
▶ Drive green data center initiatives

Monitor and manage power, energy and the data center environment

PXE offers accurate real-time power monitoring and metering. It provides alerts based on preset power and environment events. All PXEs are environment-monitoring ready and accept Raritan's plug-and-play environment sensors. The PXE intelligent rack PDU allows you to:

▶ Find stranded power in racks
▶ Load balance lines and circuits
▶ Trend and track energy utilization
▶ Detect data center hot spots
▶ Eliminate overcooling and increase temperature set points safely
▶ Support hot aisle containment

The PXE has four ports. Ethernet (RJ-45) to connect it to a network. This connection is necessary to administer or access the PXE remotely using the Web interface. There are two small LEDs adjacent to the port: green indicates a physical link and activity and yellow indicates communications at 10/100 BaseT speeds. The sensor port (RJ-12) is used to connect Raritan's optional environment sensors. Users can specify environmental sensor location attributes. A USB-B port is used to establish a USB connection between a computer and the PXE. An RS-485 (RJ-45) is reserved for a future release.

PXE Models

Raritan PXE	Form	Plug	Volts	Phase	Amps	kVA	Outlets
PXE-1145R	1U	NEMA 5-15P	120	Single	15	1.4	8 x NEMA 5-20R
PXE-1473V	Zero U	NEMA 5-15P	120	Single	15	1.4	16 x NEMA 5-20R
PXE-1147R	1U	NEMA L5-20P	120	Single	20	1.9	8 x NEMA 5-20R
PXE-1475V	Zero U	NEMA L5-20P	120	Single	20	1.9	24 x NEMA 5-20R
PXE-1180C14R	1U	IEC C-14	208	Single	15	2.5	8 x IEC C-13
PXE-1180CR	1U	IEC C-20	208	Single	20	3.3	8 x IEC C-13
PXE-1862V	Zero U	NEMA L6-30P	208	Single	30	5.0	36 x IEC C-13, 6 x IEC C-19
PXE-1771V	Zero U	NEMA L21-20P	208	Three	20	5.8	36 x IEC C-13, 6 x IEC C-19, 3 x NEMA 5-20R
PXE-1955V	Zero U	NEMA L21-30P	208	Three	30	8.6	36 x IEC C-13, 6 x IEC C-19, 3 x NEMA 5-20R
PXE-1772V	Zero U	CS8365	208	Three	50	12.6	36 x IEC C-13, 6 x IEC C-19

Models built to meet your needs:

▶ 120V, 208V and 208V three phase

▶ 15A to 50A

▶ Zero U and 1U form factors

▶ NEMA, IEC and California-style plugs

▶ Mixed outlet and voltage configurations

▶ Certifications include FCC Part 15, A; UL and cUL

▶ RoHS/WEEE compliant

Raritan's PXE iPDUs provide:

▶ An audible alarm (beeper) to indicate current overload

▶ Configurable alarm thresholds and hysteresis

▶ Configurable assertion timeout for thresholds

▶ Support for SNMP v1, v2 and v3

  • The ability to send traps using the SNMP protocol

  • The ability to store a data log of all sensor measurements and retrieve it via SNMP

▶ The ability to save one PXE device's configuration settings and then deploy those settings to other PXE devices

▶ Support for both IPv4 and IPv6 networking

▶ Local overcurrent protection (OCP) via branch circuit breakers on PXEs rated over 20A to protect connected equipment

▶ The ability to diagnose the network, such as pinging a host or listing TCP connections

▶ Full disaster recovery option in case of a catastrophic failure during a firmware upgrade

▶ The ability to display temperatures in Celsius or Fahrenheit, height in meters or feet, and pressure in Pascal or psi according to user credentials

▶ LED Display that illuminates upon completion of self-test/software load and provides insight into current, voltage, power, unbalanced load, sensor connections, and more

Go to www.raritan.com/PXE for more information.