



## 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 DATA

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

### 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<sup>®</sup>
- Strong encryption and passwords
- Cisco EnergyWise<sup>™</sup> compliant
- IPv6 support
- 1U and Zero U form factors

## 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

## PXE PORTS

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.

## 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

Visit [www.raritan.com/PXE](http://www.raritan.com/PXE)  
or Call 1.800.724.8090 for more information.

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