Simply Better Connections

PE5324

30A/32A 24-Outlet Metered eco PDU

As part of its NRGence line, ATEN has developed a new generation of green energy power distribution units (PDUs) to effectively increase the efficiency of data center power usage. The NRGence PE5324 eco PDU is an intelligent PDU that contains 24 AC outlets and is available in various IEC or NEMA socket configurations. It provides the ability to monitor the center's health environment via sensors*.

NRGence eco PDU offers real-time power measurement – allowing you to monitor the power status of devices attached to the PDUs, either at the PDU device or Bank level, from practically any location via a TCP/IP connection. It also offers comprehensive power analysis reports – providing precise measurements of current, voltage, power and watt-hour in a real-time Display.

NRGence eco PDU supports any 3rd party v1, v2 & v3 SNMP Manager Software and ATEN eco Sensors (eco PDU Manager Software). eco Sensors provides you with an easy method for managing multiple devices, offering an intuitive and user-friendly Graphical User Interface that allows you to configure a PDU device and monitor power status of the equipment connected to it.

With its advanced security features and ease of operation, the eco PDU is the most convenient, most reliable, and most cost effective way to remotely monitor power status for multiple computer installations and allocate power resources in the most efficient way possible.

* Sensors are optional accessories. A sensor-enabled installation is required to generate a more complete energy-efficient data and chart.

Features

Power Distribution

- Space saving 0U rack mount design with rear mounting
- IEC or NEMA outlet models
- 3 x 7-segment front panel LED shows Current / IP Address for PDU / Bank
- Remote users can monitor PDU/Bank status via web pages on their browsers
- Safe shutdown support
- Separate power for the unit´s own power and its power outlets – the user interface is still accessible even when an overload condition trips the devices´ circuit breaker

Remote Access

- Network Protocols: TCP/IP, UDP, HTTP, HTTPS, SSL, SMTP, DHCP, NTP, DNS, auto sense, Ping, Telnet
- eco PDU Power Management software – eco Sensors
- Supports SNMP Manager V1, V2 & V3

Operation

- Easy setup and operation via a browser-based user interface
- Multibrowser support (IE, Mozilla, Firefox, Chrome, Safari, Opera, Netscape)
- RTC support to keep the timer running during times of no power
- Up to 8 user accounts and 1 administrator account

Management

- Power status measurement at the PDU/Bank level
- LED indicators for current and IP address at the PDU device and/or Bank levels
- Real-time aggregate current, voltage, and power and power dissipation displayed in a browser-based UI for monitoring at the bank level
- Environment monitoring – supports external temperature / humidity / Differential Pressure sensors for rack environment monitoring
- Current and voltage threshold setting
- Naming support for outlets
- Event logging and syslog support
- Upgradeable firmware
- Multilanguage support: English, Traditional Chinese, Simplified Chinese, Japanese, German, Italian, Spanish, French, Russian

Security

- Two-level password security
- Strong security features include strong password protection and advanced encryption technologies – 128 bit SSL
- Remote authentication support: RADIUS

eco Sensors Energy Management Software*

- Automatic discovery of all PE devices within the same intranet
- Remote real-time power measurement and monitoring
- Remote real-time environment sensor monitoring
- Plotting/Monitoring of all PE devices
- Exceed threshold alert through SMTP and System log
- Power Analysis Report

*eco Sensors is designed to work with NRGence™ PDUs, and is bundled with all PE series packages

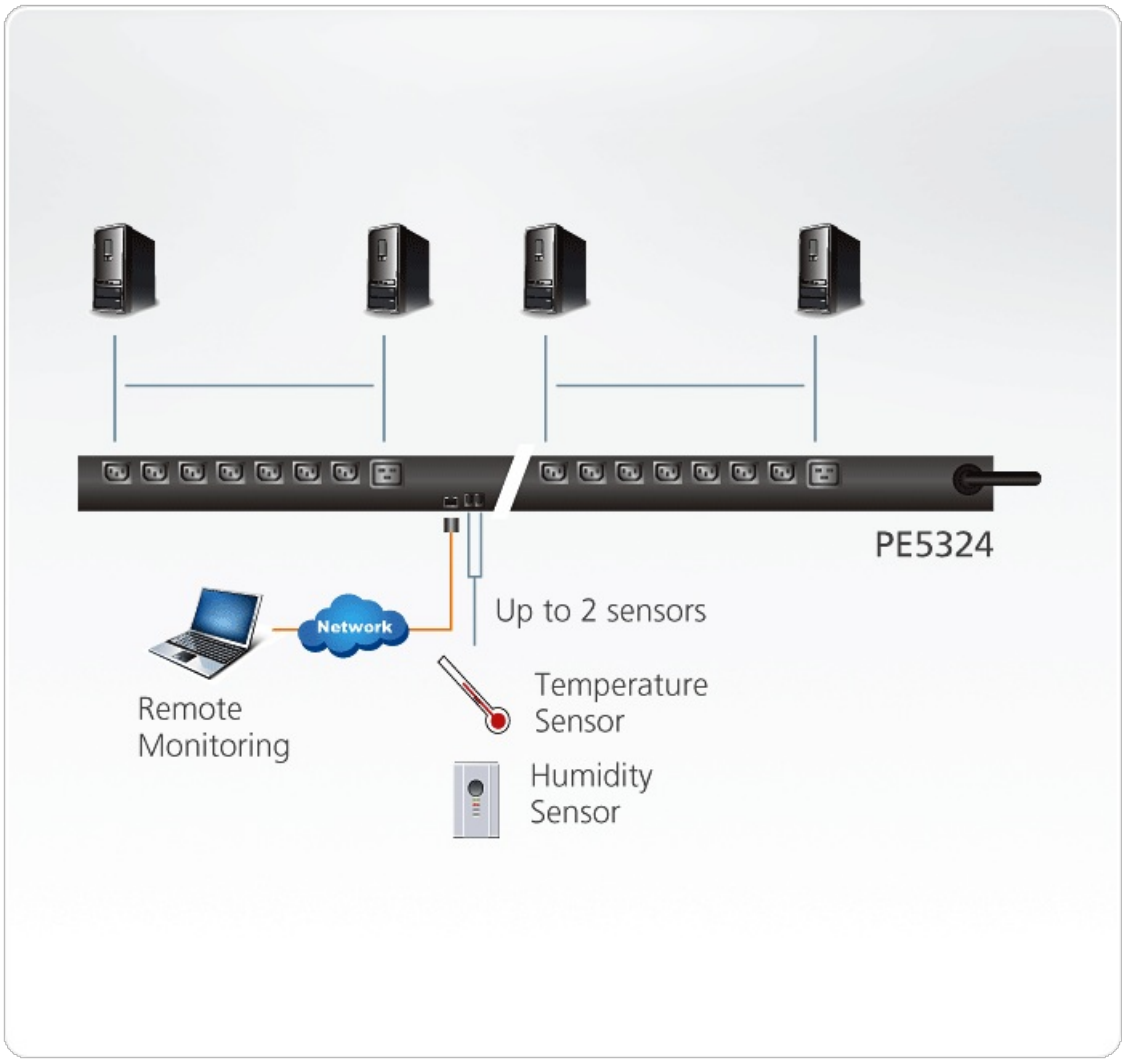
Model	Inlet	Outlets	Monitoring Level	Amps	
				Per Port	Total
PE5324B	NEMA L6-30P	21 x IEC 320 C13 3 x IEC 320 C19	Bank	12A/15A	24A (UL), 30A (Max)
PE5324G	IEC 60309 32A	21 x IEC 320 C13 3 x IEC 320 C19	Bank	10A/15A	I: 32A, O: 30A

Specifications

Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	32A(Max)
Input Frequency	50-60 Hz

Input Connection	For G Plug : IEC 60309 32A
Input Power	7360 VA(Max)
Outlet Type	Total: 21 x IEC320 C13 + 3 x IEC320 C19 Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19 Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19 Bank2: Outlet 17 – 24; 7 x C13 + 1 x C19
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	C13: 10A(Max) C19: 16A(Max)
Maximum Output Current (Bank)	16A(Max)
Maximum Output Current (Total)	32A(Max)
Breakers	2 x 16A UL489 Breaker
Metering	Bank Level Current, Voltage, VA , PF and kWh Monitoring
Outlet Switching	None
Environment Sensor Ports	2
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Physical Properties	
Dimensions (L x W x H)	177.50 x 6.60 x 4.40 cm (69.88 x 2.6 x 1.73 in.)
Weight	5.82 kg (12.82 lb)
Power Cord Length	1.6 m
Environmental	
Temperature (Operating / Storage)	0–40°C / -20–60°C
Humidity (Operating & Storage)	0–80% RH, Non-Condensing
Compliance	
EMC Verification	CE, C-Tick, Others by Request
Safety Verification	TUV-CB, GOST, Others by Request
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



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