

PE8216

20A/16A 16-Outlet Outlet-Metered & Switched eco PDU

PE8216B



The PE8216 eco [PDUs](#) are intelligent [PDUs](#) that contain 16 AC outlets and are available in various IEC / NEMA socket configurations. These models feature proactive overload protection to automatically power off the last outlet that causes the current overload while allowing users to set shutdown priority.

The eco [PDUs](#) provide secure, centralized and intelligent power management (power on, off, and cycle) of [data center](#) IT equipment (servers, storage systems, KVM switches, network devices, serial data devices, and more), as well as the ability to monitor the center's health environment via sensors.*These [PDUs](#) offer remote power control combined with real-time power measurement, allowing users to control and monitor the power status of devices attached to the [PDUs](#), either at the [PDU](#) device, bank, or outlet level, depending on the model, from practically any location via a TCP / IP connection.

The power status of each outlet can be set individually, allowing users to switch each device on / off. The eco [PDU](#) also offers comprehensive power analysis reports which can separate departments and locations, providing precise measurements of current, voltage, power and watt-hour in a real-time display. Installation and operation are made fast and easy by simply plugging cables into their appropriate ports, and users get to enjoy the intuitive browser-based configuration and management. The eco [PDU](#) firmware is upgradeable over the Net, meaning users can download updates from ATEN's website to ensure that their eco [PDU](#) is equipped with the latest functionalities and improvements.

The series also supports the 3rd party V3 SNMP manager software and NRGence [eco DC](#) (Energy & DCIM Management Web GUI). The [eco DC](#) makes it easy when it comes to the management for multiple devices by allowing users to configure eco [PDU](#) setting and monitor the power status of the equipment connected to the [PDU](#) through a user friendly interface. Along with its set of features, the PE8216 series has become a convenient, reliable and cost-effective solution to help remotely manage power access for multiple computer installations and allocate power resources with efficiency.

* Note:

1. Sensors are optional accessories. A sensor-enabled installation is required to generate more complete energy-efficient data and charts. The higher the sensor installation density is, the more accurate the data generated will be.
2. eco [PDUs](#) are primarily designed for access via Intranet; extra network security protection is suggested for Internet access usage.

Features

• Connections

- Supports 10 / 100M bit Ethernet interface
- Supports TCP / IP, UDP, HTTP, HTTPS, SSL, DHCP, ARP, NTP, DNS, Telnet, Auto Sense, Ping, SNMP V1,V2 and V3
- Supports three-level account / password security, IP / MAC filter, 128 bit SSL, and RADIUS
- Supports [CC2000](#), [eco DC](#), multiple browsers (IE, Firefox, Chrome, and Safari)

• Metering

- PDU and outlet level power metering and monitoring
- Environment monitoring – supports external temperature / temperature and humidity sensors for rack temperature and humidity monitoring
- Current, voltage, power, power dissipation, temperature, and humidity metering and threshold level setting
- Supports door sensor

• Outlet Switch Control

- Remote power outlet control (On/Off, Power Cycle) by individual outlets and outlet groups
- Outlet group support at the [PDU](#) level
- On / Off scheduling for individual outlet and outlet groups. Power management tasks can be scheduled on a daily, weekly, or user-specified time basis
- Supports multiple power control methods – Wake on LAN, System After AC Back, Kill the Power
- Power-On sequencing – users can set the power-on sequence and delay time for each outlet to allow equipment to be powered on in the correct order
- Proactive overload protection (POP) – automatically powers off the last outlet that causes the current overload while allowing users to set shutdown priority

• Features available only on firmware-upgraded models with -AT part number

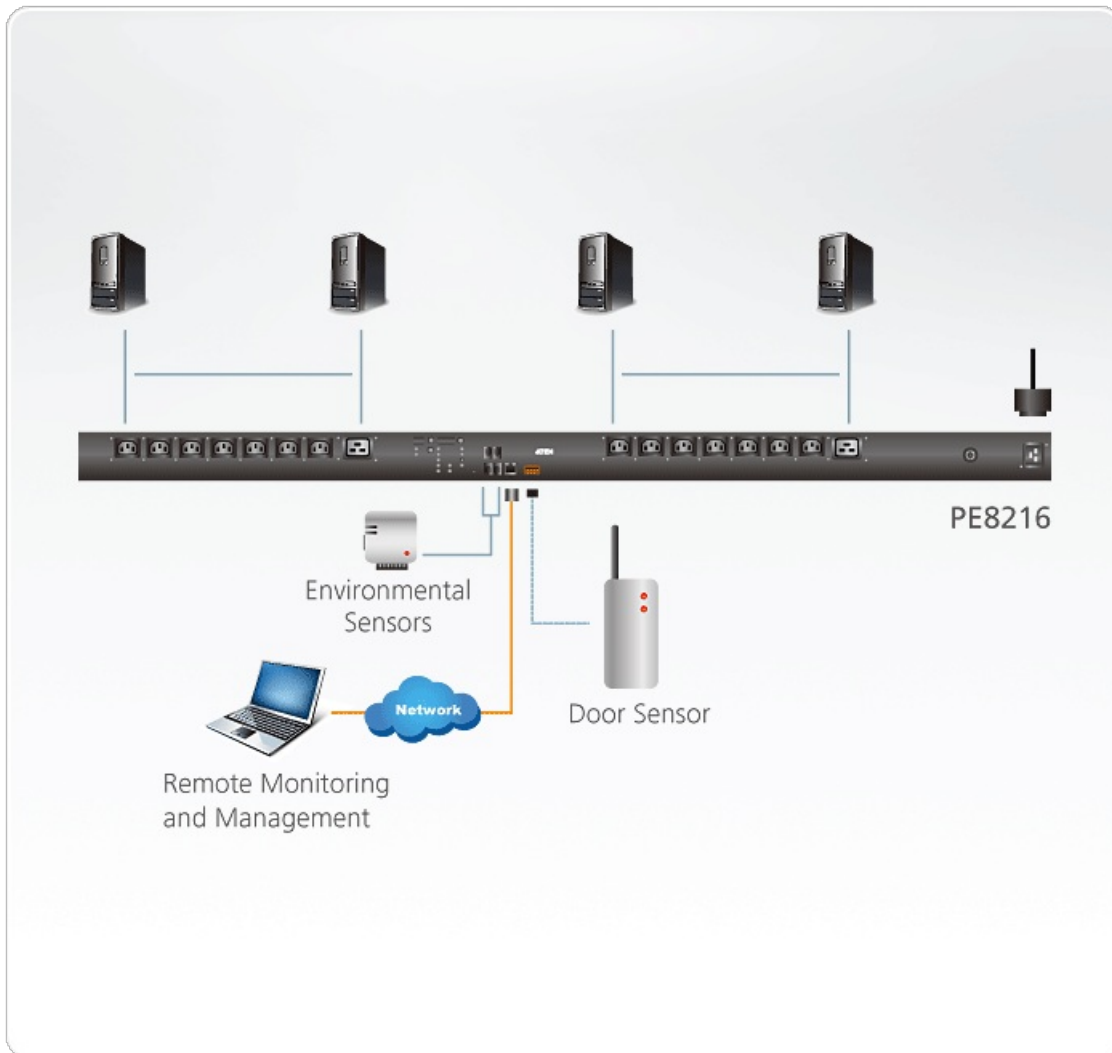
- Supports SMTPS, IPv6, Modbus (Over TCP/IP), Auto Ping, TLS1.2, SSH
- Supports IEEE 802.1X
- Authentication: LDAP, TACACS+
- UI – heartbeat, schedule control, mail control, and setting rule

Specifications

Function	PE8216B	PE8216G
Electrical		
Nominal Input Voltage	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	20A Max; 16A(UL de-rated)	16A Max
Input Frequency	50-60 Hz	50-60 Hz
Input Connection	NEMA 6-20P	IEC 60320 C20
Input Power	4160 VA(Max); 3328 VA(UL de-rated)	3680 VA(Max)
Outlet Type	Total: 14 x IEC320 C13 + 2 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	Total: 14 x IEC320 C13 + 2 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
Nominal Output Voltage	100 – 240 VAC	100 – 240 VAC
Maximum Output Current (Outlet)	C13: 15A (Max); 12A(UL de-rated) C19: 20A (Max); 16A(UL de-rated)	C13: 10A (Max) C19: 16A (Max)

Maximum Output Current (Bank)	20A(Max); 16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	20A(Max); 16A(UL de-rated)	16A(Max)
Breakers	1 x 20A Non-Fuse breaker	1 x 16A Non-Fuse breaker
Metering	Outlet Level Current, Voltage, VA, PF, KWh Monitoring	Outlet Level Current, Voltage, VA, PF, KWh Monitoring
Outlet Switching	Yes	Yes
Environment Sensor Ports	4	4
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%	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)	132.48 x 6.60 x 4.40 cm (52.16 x 2.6 x 1.73 in.)	132.48 x 6.60 x 4.40 cm (52.16 x 2.6 x 1.73 in.)
Weight	3.88 kg (8.55 lb)	3.88 kg (8.55 lb)
Power Cord Length	3 m	3 m
Environmental		
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C	0 – 40°C / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing	0 – 80% RH, Non-Condensing
Compliance		
EMC Verification	FCC Part 15 Class A, Others by Request	CE, Others by Request
Safety Verification	TUV-CB, Others by Request	TUV-CB, CE-LVD, 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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