Simply Better Connections

PE8216

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

PE8216B

ATEN's NRGence line-up is a new generation of green energy power distribution units (eco PDUs) that optimize the efficiency of data center power usage. 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

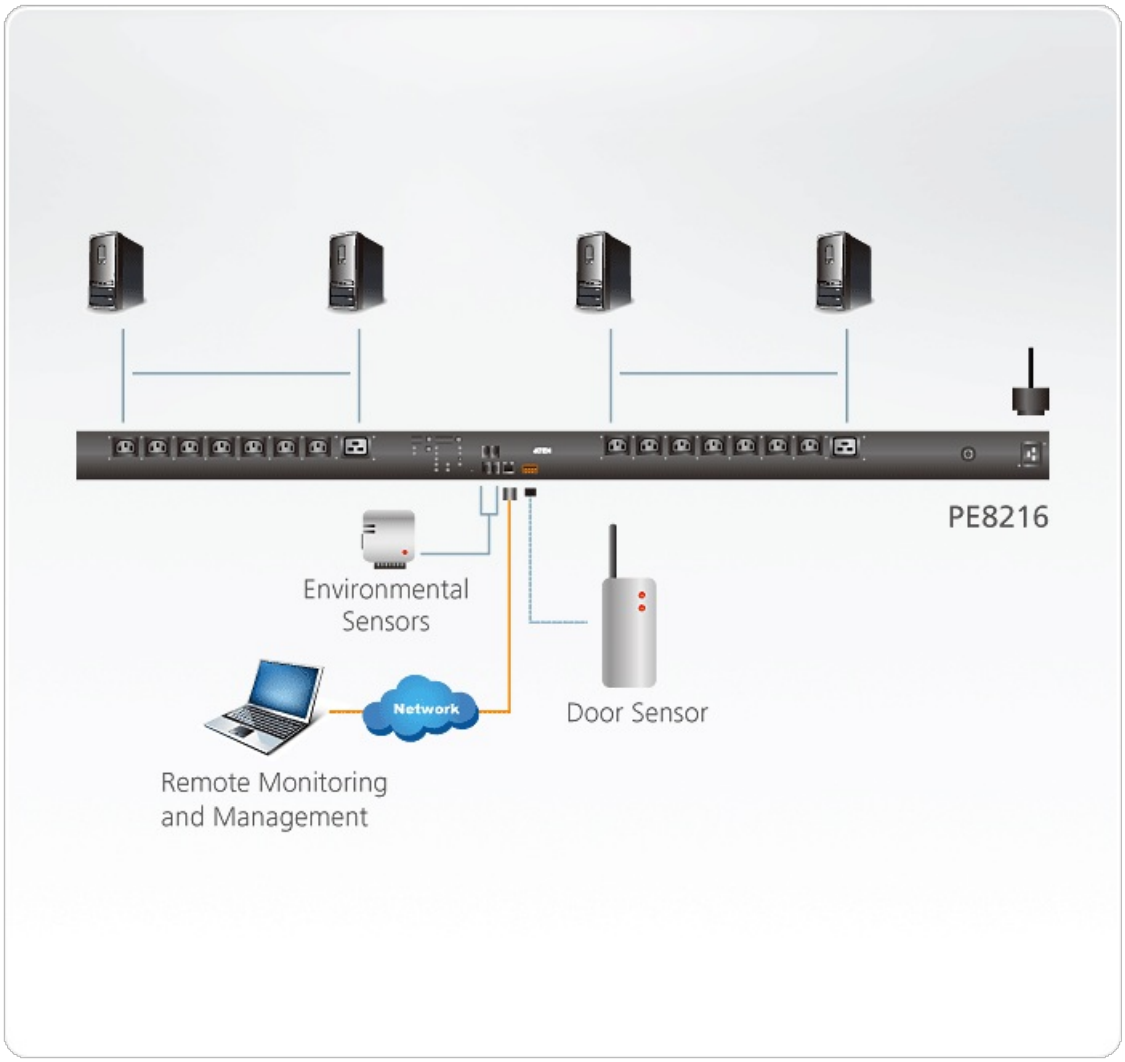
- **Connections**
- Supports 10 / 100M bit Ethernet interface
- Supports TCP / IP, UDP, HTTP, HTTPS, SSL, DHCP, ARP, NTP, DNS, Telnet, Auto Sense, Ping, SNMP V1,V2 and V3
- Supports three-level account / password security, IP / MAC filter, 128 bit SSL, and RADIUS
- Supports CC2000, eco DC, multiple browsers (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-specifi ed 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

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



ATEN International Co., Ltd.
3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan
Phone: 886-2-8692-6789 Fax: 886-2-8692-6767
www.aten.com E-mail: marketing@aten.com