

PE9216

eco PDU



As part of its NRGence line, ATEN has developed a new generation of green energy power distribution units (eco [PDU](#)s) to effectively increase the efficiency of [data center](#) power usage. The NRGence PE9216 eco [PDU](#)s are intelligent [PDU](#)s that contain 16 AC outlets and are available in various IEC socket configurations. Models in the advanced PE9 range feature a dedicated 8/14-outlet bank for critical load devices, and PE9 ranges feature NRGence's proactive overload protection, which automatically powers off the last outlet that caused the current overload.

NRGence eco [PDU](#)s provide secure, centralized, intelligent, power management (power on, off, cycle) of [data center](#) IT equipment (servers, storage systems, KVM switches, network devices, serial data devices, etc.), as well as the ability to monitor the center's health environment via sensors.

NRGence eco [PDU](#)s offer [remote power control](#) combined with real-time power measurement – allowing you to control and monitor the power status of devices attached to the [PDU](#)s, 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 is fast and easy: plugging cables into their appropriate ports and user-friendly browser-based configuration and management is all that is entailed. Since the eco [PDU](#) firmware is upgradeable over the Net, you can stay current with the latest functionality improvements simply by downloading updates from our website as they become available.

NRGence eco [PDU](#) supports any 3rd party V3 SNMP Manager Software and NRGence [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 manage power access for multiple computer installations and allocate power resources in the most efficient way possible.

Features

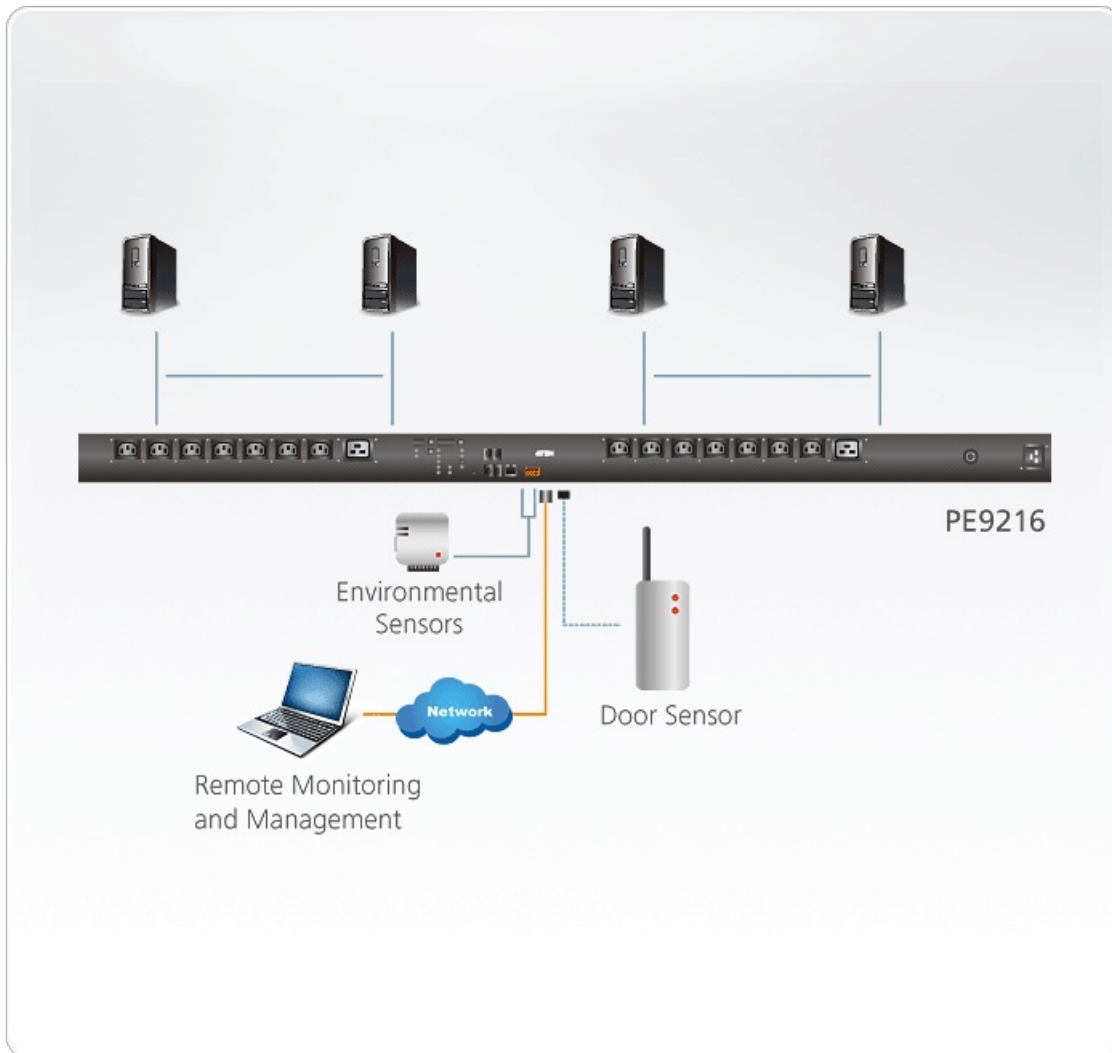
- **Connections**
 - Support 10/100Mbit Ethernet Interface
 - Support TCP/IP, UDP, HTTP, HTTPS, SSL, DHCP, SMTP, NTP, DNS, Auto Sense, Ping, SNMP V1,V2&V3
 - Support 2-level account/password security, IP/MAC filter, 128 bit SSL, RADIOUS
 - Support : [eco Sensors](#), Browser (IE, Firefox, Chrome, Safari)
- **Metering**
 - PDU and outlet level power metering and monitoring
 - Environment monitoring — supports external temperature/temperature & humidity sensors for rack temperature and humidity monitoring
 - Current, voltage, power, power dissipation, temperature, and humidity metering and threshold level setting
 - Support 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](#)
 - 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
 - Critical load outlet — keeps power always on for critical load devices
 - Proactive overload protection(POP) — automatically powers off the last outlet that caused the current overload

Specifications

Function	PE9216B	PE9216G
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); TUV De-rated 15A(Max)
Maximum Output Current (Bank)	20A(Max); 16A(UL de-rated)	16A(Max); TUV De-rated 15A(Max)
Maximum Output Current (Total)	20A(Max); 16A(UL de-rated)	16A(Max); TUV De-rated 15A(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	Bank1-1: None Bank1-2: Yes	Bank1-1: None Bank1-2: 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)	132.5 x 6.6 x 4.4 cm	132.5 x 6.6 x 4.4 cm
Weight	3.8 kg	3.9 kg
Power Cord Length	1.6 m	1.6 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	By Request	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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