

PE7216r

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 PE7216r eco [PDU](#)s are intelligent [PDU](#)s that contain 16 AC outlets and are available in various IEC or NEMA socket configurations.

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 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.

In order to manage more outlets from the same single session, the eco [PDU](#) also provides daisy chain functionality; up to 5 additional units can be daisy chained. 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 V1, V2, V3 SNMP Manager Software, NRGence [eco Sensors](#) (eco [PDU](#) Manager Software), and [CC2000](#) Control Center Over the NET 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.

Note:

* Sensors are optional accessories. A sensor-enabled installation is required to generate a more complete energyefficient data and chart. Higher sensor installation density is helpful to generate more accurate data.

** eco [PDU](#)s are primarily designed for access via Intranet; extra network security protection is suggested for Internet access usage.

Features

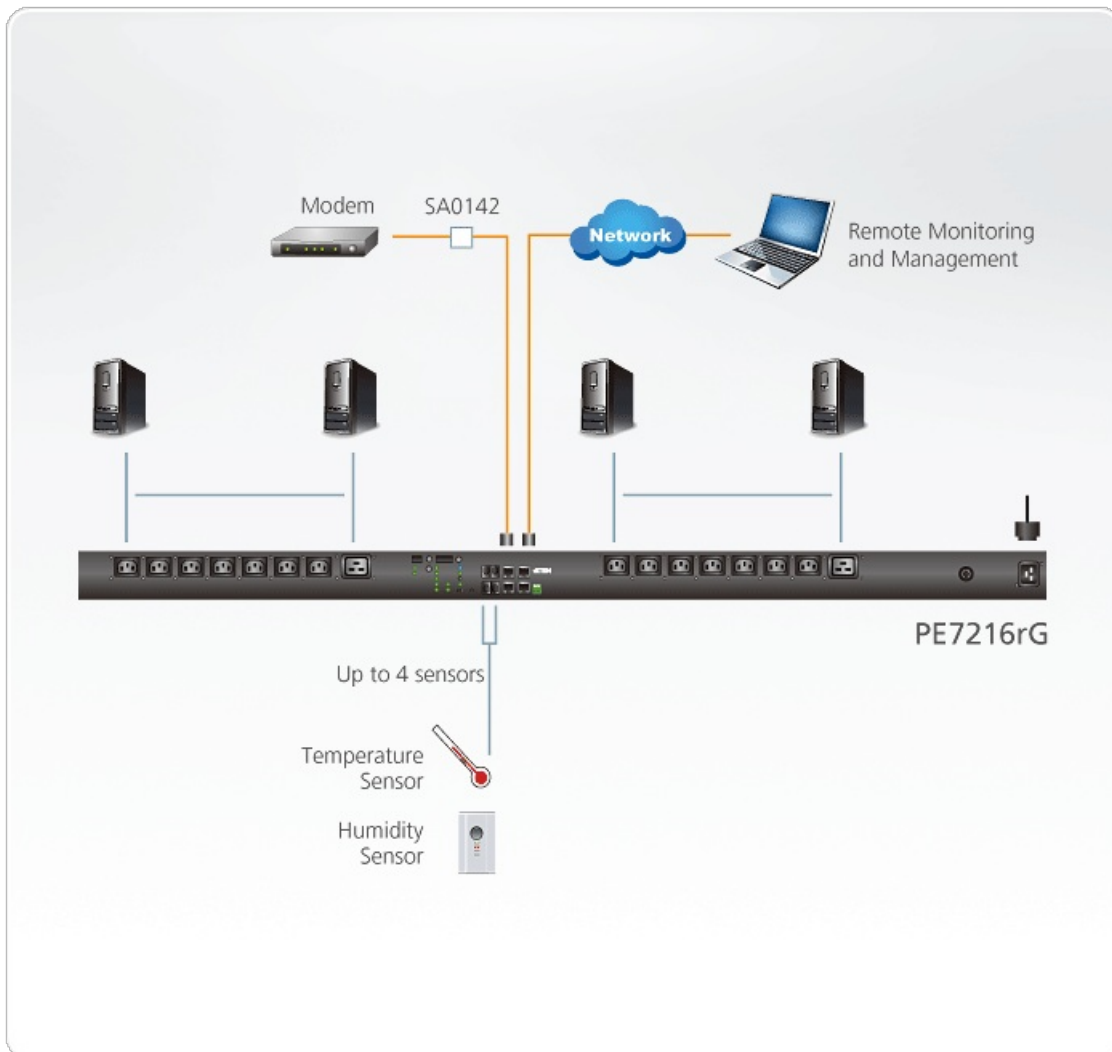
- **Connections**
- Supports 10/100Mbit Ethernet, OOB, RS-232, Daisy Chain interface
- Supports TCP/IP, PPP, UDP, HTTP, HTTPS, SSL, STP, DHCP, ARP, NTP, DNS, Telnet, Auto Sense, Ping, SNMP V1,V2&V3, IPv6
- Supports three-level account/password security, IP/MAC filter, 128 bit SSL, RADIUS, TACACS+, LDAP, LDAPS and Active Directory
- Supports [CC2000](#), [eco Sensors](#), Java API, multiple Browsers (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
- **Outlet Switch Control**
- Daisy chain with PON In – PON Out port
- Always On

Specifications

| Function | PE7216rB | PE7216rG |
|---------------------------------|--|--|
| 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 | None | None |
| 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 | 3.7 kg | 3.7 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, C-Tick, Others by Request |
| Safety Verification | cTUVus, TUV-PSE, Others by Request | 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





Simply Better Connections

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