

PE8108

15A/10A 8-Outlet 1U Outlet-Metered & Switched eco PDU



- 8 outlets
- 15A (UL derated 12A) / 10A
- Outlet Power Measurement

The PE8108 eco [PDU](#) is intelligent [PDU](#)s that contains 8 AC outlets and is available in various IEC or NEMA socket configurations. It provides 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*.

The 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 at outlet level from practically any location via a TCP/IP connection.

eco [PDU](#) supports any third-party v3 SNMP Manager Software and [eco DC](#) (Energy Management Web GUI). [eco DC](#) 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 [eco DC](#), the Sensor-enabled eco [PDU](#) also offers comprehensive power analysis reports which can separate by departments and locations, providing precise measurements of current, voltage, power and watt-hour in a real-time display.

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 energy-efficient data and chart. Higher sensor installation density is helpful to generate more accurate data.

Features

• Power Distribution

- Space saving 1U rack mount design with rear mounting
- IEC or NEMA outlet models
- 3 digit 7-segment front panel LED shows Current / IP Address
- Remote users can monitor outlet 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

- Remote power control via TCP/IP and a built in 10/100 Ethernet port
- Network Interfaces: TCP/IP, UDP, HTTP, HTTPS, SSL, SMTP, DHCP, NTP, DNS, 10Base-T/100Base-TX, auto sense, Ping, Telnet
- [eco PDU](#) Power Management software – [eco DC](#)
- Supports SNMP Manager V3

• Operation

- Remote power outlet control (On, Off, Power Cycle) by individual outlets
- Power-on sequencing – users can set the power on sequence and delay time for each port to allow equipment to be turned on in the proper order
- Easy setup and operation via a browser-based user interface
- Multibrowser support (IE, Firefox, Chrome, Safari)
- RTC support to keep the timer running during times of no power.
- Supports up to 8 user and 1 administrator accounts
- Proactive Overload Protection (POP) – automatically powers off outlets when current overloads to protect operating devices

• Management

- Power status measurement at the [PDU](#) or Outlet level
- LED indicators for current and IP address at Outlet levels
- [Real-time current, voltage, and kWh displayed in a browsed-based UI for monitoring at the outlet level \(PE8108 / PE8208\)](#)
- Current and voltage threshold setting
- Naming support for outlets
- User outlet access assignment on an outlet-by-outlet basis.
- Event logging and syslog support
- Upgradeable firmware
- Multilanguage support: English, German, Traditional Chinese, Simplified Chinese, Japanese, French, Spanish, Italian

• Security

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

• [eco DC](#) Energy Management Software

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

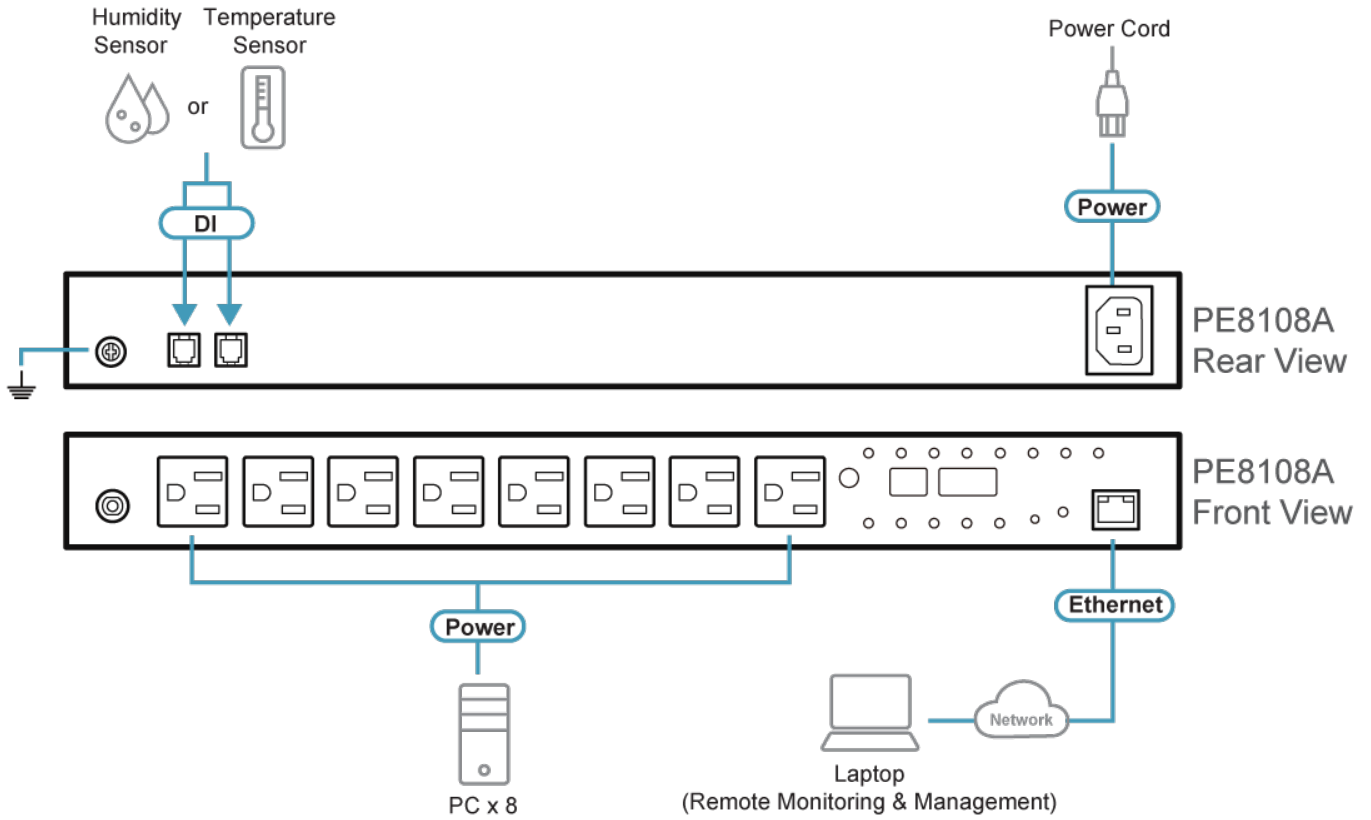
• Features available only on firmware-upgraded models with -ATB part number

- 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 | PE8108A | PE8108B | PE8108G |
|-----------------------------------|---|---|---|
| Electrical | | | |
| Nominal Input Voltage | 100 – 120 VAC | 100 – 240 VAC | 100 – 240 VAC |
| Maximum Input Current | 15A Max; 12A(UL de-rated) | 15A Max; 12A(UL de-rated) | 10A Max |
| Input Frequency | 50-60 Hz | 50-60 Hz | 50-60 Hz |
| Input Connection | NEMA 5-15P | NEMA 6-15P | IEC 60320 C14 |
| Input Power | 1800 VA(Max); 1440 VA(UL de-rated) | 3120 VA(Max); 2496 VA(UL de-rated) | 2300 VA(Max) |
| Outlet Type | Total: 8 x NEMA 5-15R | Total: 8 x IEC320 C13 | Total: 8 x IEC320 C13 |
| Nominal Output Voltage | 100 – 120 VAC | 100 – 240 VAC | 100 – 240 VAC |
| Maximum Output Current (Outlet) | NEMA 5-15R: 15A(Max); 12A(UL de-rated) | C13: 15A(Max); 12A(UL de-rated) | C13: 10A(Max) |
| Maximum Output Current (Bank) | 15A(Max); 12A(UL de-rated) | 15A(Max); 12A(UL de-rated) | 10A(Max) |
| Maximum Output Current (Total) | 15A(Max); 12A(UL de-rated) | 15A(Max); 12A(UL de-rated) | 10A(Max) |
| Breakers | 1 x 16A Non-Fuse Breaker | 1 x 16A Non-Fuse Breaker | 1 x 10A Non-Fuse Breaker |
| Metering | Outlet level Current, Voltage, VA , PF and KWh Monitoring | Outlet level Current, Voltage, VA , PF and KWh Monitoring | Outlet level Current, Voltage, VA , PF and KWh Monitoring |
| Outlet Switching | Yes | Yes | Yes |
| Environment Sensor Ports | 2 | 2 | 2 |
| 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% | 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) | 43.24 x 22.04 x 4.40 cm (17.02 x 8.68 x 1.73 in.) | 43.24 x 22.04 x 4.40 cm (17.02 x 8.68 x 1.73 in.) | 43.24 x 22.04 x 4.40 cm (17.02 x 8.68 x 1.73 in.) |
| Weight | 2.75 kg (6.06 lb) | 2.75 kg (6.06 lb) | 2.75 kg (6.06 lb) |
| Power Cord Length | 3 m | 3 m | 3 m |
| Environmental | | | |
| Temperature (Operating / Storage) | 0 – 50°C / -20 – 60°C | 0 – 50°C / -20 – 60°C | 0 – 50°C / -20 – 60°C |
| Humidity (Operating & Storage) | 0 – 80% RH, Non-Condensing | 0 – 80% RH, Non-Condensing | 0 – 80% RH, Non-Condensing |
| Compliance | | | |
| EMC Verification | FCC, Others by Request | FCC, Others by Request | CE, Others by Request |
| Safety Verification | UL, Others by Request | UL, Others by Request | CE-LVD, 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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