

PE8108

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

PE8108A



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

The PE8108 eco [PDU](#) is intelligent [PDUs](#) 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

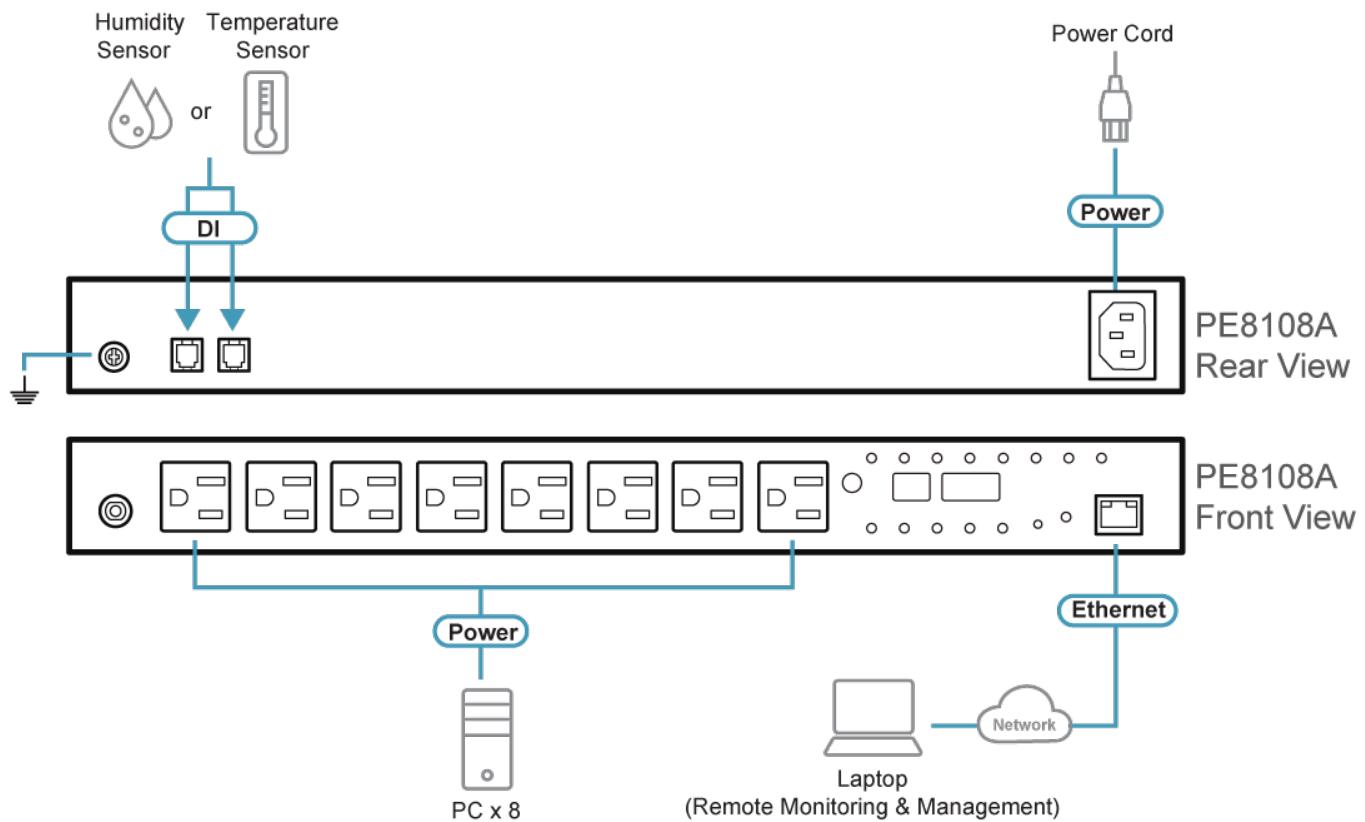
- Automatic discovery of all PE devices within the same intranet
- Remote real-time power measurement and monitoring
- Remote real-time power outlet management*
- Remote real-time environment sensor monitoring
- Plotting/Monitoring of all PE devices
- Exceed threshold alert through SMTP and Syslog
- 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 15A Non-Fuse Breaker	1 x 15A 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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