

PE1114A

Energy PDU

- The PE1114A Energy PDU contains 14 AC outlets and is available in NEMA socket configurations. The PE1114A Energy PDU features a space-saving 0U design that allows it to be mounted vertically on the outside of a rack, resulting in a more efficient use of space in the server room, while providing 14 AC outlets.

The PE1114A Energy PDU can be integrated into an installation with the EC1000 Energy Box*, allowing you to monitor the real-time current and environmental conditions of the Energy PDU from the front panel of the EC1000 at the rack, or via Web GUI remotely – making your server room efficiently green with ease.



Features

- Space saving 0U rack mount design
- IEC or NEMA outlet models
- Real-time PDU current monitoring *

* When used in conjunction with the EC1000 Energy Box

Specification

Function	PE1114A
Electrical	
Nominal Input Voltage	120 VAC
Maximum Input Current	15A Max
Input Frequency	50-60 Hz
Input Connection	1 x NEMA 5-15P
Input Power	1800 VA(Max)
Outlet Type	14xNEMA 5-15R
Nominal Output Voltage	120 V
Maximum Output Current (Outlet)	15A (Max)
Maximum Output Current (Bank)	15A (Max)
Maximum Output Current (Total)	15A (Max)
Breakers	NA
Outlet Switching	None
Current Monitor (EC1000) Connector	1 x CT Module RJ-45 port
Mechanical	
Dimension (HxWxD)	91.44 x 3.18 x 4.45cm
Power Cord Length	15ft
Environmental	
Temperature (Operating / Storage)	0 – 60°C
Compliance	
EMC Verification	FCC
Safety Verification	UL



PE1114A, EC1000 and EA1140/1240

Energy PDU combine with Energy Box and Sensor

Energy Box Features:

- Front panel LED indicators for current, temperature*, humidity*, differential pressure*, and IP address information at the Energy Box
- 3 digit 7 segment front panel LED displays current/sensor/IP address information
- Threshold monitoring for:
 1. Current
 2. Temperature*
 3. Humidity*
 4. Differential pressure*

Threshold alerting through:

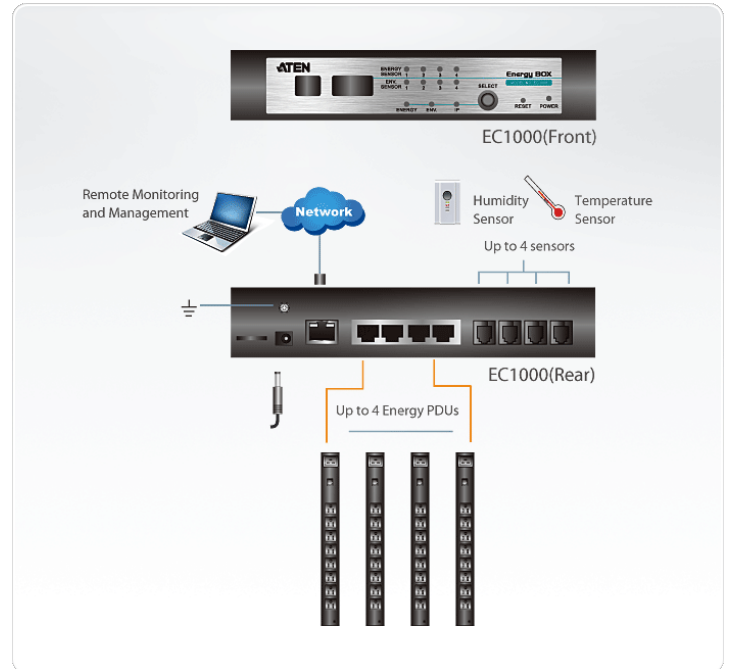
1. Local: audible alarm and LED lights
2. Remote: SMTP/SNMP trap/Syslog



EC1000

Specification

Function	EC1000
Energy PDU Connections	4
Port Selection	Pushbutton
Connectors	
Energy Sensor	4 x RJ-45 Female
Environment Sensor	4 x RJ-11 Female
Power	1 x DC Jack
LAN	1 x RJ-45 Female
Switches	
Reset	1 x Semi-recessed Pushbutton
Selection	1 x Selection Pushbutton
Monitoring Range	100–240V; 50/60Hz; 0A to 32A (per port) LED Display Resolution 0.1A Precision: ±0.1A@0 ~ 1A, ±1%@ >1A
Power Consumption	DC 5.3 V
Environment	
Operating Temp.	0–50°C
Storage Temp	-20–60°C
Humidity	0–80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	0.59 kg
Dimensions (L x W x H)	20.00 x 7.59 x 4.20 cm



Function	Temperature Sensor (EA1140)	Temperature Sensor (EA1240)
Connectors	RJ-11	RJ-11
Measurement Range		
Range	0 ~ 60°C	0 ~ 60°C 15 ~ 95%RH
Accuracy	+/- 1°C	+/- 1°C +/- 5%RH
Power Consumption		12V, 60mW
Storage Temperature		-20 ~ 60°C
Housing		Plastic
Weight		0.07kg
Cable Length		3 meter



EA1140 / EA1240

EC1000

The EC1000 Energy Box is the latest evolution of NRGence™ – ATEN's energy intelligence solutions. It is the intelligent, cost effective solution to monitor ATEN's Energy PDUs – to ensure safe and effective energy-saving power management.

The EC1000 Energy Box has four Energy Sensor ports to connect to four Energy PDU modules and four Environment Sensor ports for external sensors to monitor environmental conditions. Each environmental sensor can provide measured readings of temperature, humidity, and differential pressure from separate areas of a data room, giving a wide range of monitoring and protection you need.

The Energy Box allows power and environmental data to be monitored and displayed at the rack or remotely for easy viewing and maintenance. The Energy Box is a standalone unit with Over IP monitoring that is controlled by Web GUI or ATEN's eco Sensors software. The EC1000 Energy Box features real-time status, system logs, threshold alerts, and event notifications.

The EC1000 logs power and environmental conditions according to customizable minimum/maximum thresholds set for electrical current, temperature, humidity, and differential pressure.

Function	Inlet	Current Monitor	Sensor	LAN	Monitoring Range
EC1000	Power Adapter DC 5V (6 feet)	4 x Energy Sensor Connection port	4 x Environment Sensor Connection port	1 s RJ-45 Female with LEDs	100-240V; 50/60Hz; 0A to 32A (per port)

EA1140

For environmental monitoring and management, ATEN provides sensor probes that work in tandem with the Power Distribution Units, which enable you to get readings of temperate. Environmental conditions can be monitored with alarms according to customizable minimum/maximum thresholds set for temperature. *The Sensor is an optional accessory. You can use the ATEN PDU without environmental sensors. However, if you want to have complete energy management of your data center with the full use of ATEN solutions, a sensor installation is required.

Features:

- Measurement range: 0 – 40°C
- Measurement accuracy: +/- 1°C
- Compact design – built in 3 m cable
- High sensitivity
- Easy operation

Function	Connectors	Measurement Range	Power Consumption	Storage Temperature	Housing	Weight	Cable Length
Temperature Sensor (EA1140)	RJ-11	Range: 0~60 C Accuracy: +/- 1 C	12V, 60mW	-20 – 60C	Plastic	0.2 lbs.	10 feet
Temperature & Humidity Sensor (EA1240)	RJ-11	Range: 0~60C, 15~95 %RH Accuracy: +/- 1 C, +/- 5%RH	12V, 60mW	-20 – 60C	Plastic	0.2 lbs.	10 feet

EA1240

The PDU supports external, environment sensors that allow administrators to monitor temperature and humidity remotely. IT administrators can set environment thresholds to identify critical value and take preventive actionn before a system failure occurs – thereby helping to obtain the highest degree of availability for all mission-critical equipment.

Features:

- Environmental Temperature Measurement
- Enviornmental Humidity Measurement
- Optional PN7212 / PN7320 Temp/Hum Sensor

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