PE4104

4-Outlet Eco PDU Power Controller



Engineered to be an intelligent power distribution solution, the PE4104 Eco <u>PDU</u> Power Controller ships with 4 power outlets in an IEC/NEMA socket configuration. It provides secure, centralized, intelligent, and remote power management of <u>data center</u> IT equipment to minimize the operating cost.

The PE4104 features the remote power control function, allowing you to control devices attached to the <u>PDU</u> at the <u>PDU</u> device level from practically any location via a TCP/IP connection. The power sequence design eliminates the risks for a power inrush to guarantee reliable operation and protects the overall system health. With the support for <u>eco DC</u> software, it provides an easy method for managing multiple devices, offering an intuitive and user-friendly Graphical User Interface that allows you to configure a <u>PDU</u> device and reboot the device in case any equipment lock-up occurs. The administrators can switch on/off or set a delay time for each power outlet or individual power outlets group whenever, wherever.

The PE4104 boasts a slim, compact form factor and supports desk mount as well as rack mount, ensuring easy installation in confined spaces. It is a smart power control box tailored for hospitality or retail applications, such as digital signages and video walls, for edge computing devices, including routers, servers and cameras, or for any <u>data center</u> environments where there is no need to keep the servers powered on at all times.

Features

Power Distribution

- Space saving slim form factor
- IEC / NEMA power outlet
- . Separates power for the unit's own power and its power outlets user interface is still accessible even when an overload condition trips the device's 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, ARP, NTP, DNS, SNMP V1&V2&V3, auto sense, Ping, Telnet, Modbus (Over TCP IP)
- Works with web-based eco DC software
- Supports IMAP and POP3 email protocols enables users to switch on / off PE4104's outlets via E-mail
- Schedule control

Operation

- Local and 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 a proper order
- Easy setup and operation via a browser-based user interface
- Receives the heartbeat signals of its connected devices from PMonitor regularly to ensure their normal operation and reboots them when no signal is being sent to it
- Outlet lock functionality use of the front panel Power Control Button for the outlet can be disabled to prevent inadvertent button presses

Security

- Two-level password security
- Strong security features include password protection and advanced encryption technologies TLS1.2
- Remote authentication support: RADIUS

Specifications

Penton	Specifications		
Nominal Input Voltage	Function	PE4104A	PE4104G
Maximum input Current	Electrical		
Input Frequency S-6-0 Hz S-6-0 Hz S-6-0 Hz S-6-0 Hz Input Frequency S-6-0 Hz S-6-0 Hz IEC C14 Input Power 300VA/Max) 140VA/UL-de-ratedy 2400VA/Max) 2400VA/UL-de-ratedy 2400VA/Max) 100 - 240 VAG 100 - 240 VAG Input Power 100 - 120 VAG 100 - 240 VAG Input Power 150Max), 12A/UL-de-ratedy 100 AMax Input Power 150Max), 12A/UL-de-ratedy 100 AMax Input Power 100 AMax Input Power Inp	Nominal Input Voltage	100-120 VAC	100 – 240 VAC
Input Connection NEMA 5-15P IEC C14 Input Power 1800VA(Max) 1440VA(UL de rated) 2400VA(Max) Outlet Type (4) NEMA 5-15R (4) IEC 320 C13 Nominal Output Content Courter (Outlet) 100-240 VAC Outlet Type 15A(Max), 12A(UL de-rated) 100-240 VAC Maximum Output Courter (Outlet) 15A(Max), 12A(UL de-rated) 10A(Max) Maximum Output Courter (Outlet) 15A(Max), 12A(UL de-rated) 10A(Max) Maximum Output Courter (Outlet) 15A(Max), 12A(UL de-rated) 10A(Max) Breakers Yes(UL1077) Yes(UL1077) Yes(UL1077) Metering No No No Outlet Switching Yes Yes Yes Power Consumption AC110V3.1W208TUh AC220V3.5W22BTUh AC220V3.5W2		15A(Max), 12A(UL de-rated)	10A(Max)
	Input Frequency	50-60 Hz	50-60 Hz
Outlet Type	Input Connection	NEMA 5-15P	IEC C14
Nominal Output Voltage 100-120 VAC 15A(Max), 12A(UL de-rated) 10A(Max) 10A(Max) 10A(Max) 10A(Max) 10A(Max) 10A(Max) 15A(Max), 12A(UL de-rated) 10A(Max)	Input Power	1800VA(Max) 1440VA(UL de-rated)	2400VA(Max)
Voltage Maximum Output 15A(Max), 12A(UL de-rated) 10A(Max) Maximum Output Current (Outlet) 15A(Max), 12A(UL de-rated) 10A(Max) Maximum Output Current (Folal) 15A(Max), 12A(UL de-rated) 10A(Max) Maximum Output Current (Folal) 15A(Max), 12A(UL de-rated) 10A(Max) Breakers Yes(UL1077) Yes(UL1077) Metering No No Outlet Switching Yes Yes Power Consumption of Leave Case A	Outlet Type	(4) NEMA 5-15R	(4) IEC 320 C13
Current (Cutlet) 15A(Max), 12A(UL de-rated) 10A(Max) Maximum Output Current (Total) 15A(Max), 12A(UL de-rated) 10A(Max) Breakers Yes(UL1077) Yes(UL1077) Metering No No Outlet Switching Yes Yes Power Consumption AC110V3.1W.208TUh AC220V3.5W.228TUh AC220		100-120 VAC	100 – 240 VAC
Current (Bank) 15A(Max), 12A(UL de-rated) 10A(Max) Breakers Yes(UL1077) Yes(UL1077) Metering No No Outlet Switching Yes Yes Power Consumption AC110V3.1W20BTUh AC220V3.5W22BTUh AC2		15A(Max), 12A(UL de-rated)	10A(Max)
Current (Total) Yes(UL1077) Yes(UL1077) Metering No No Outlet Switching Yes Yes Power Consumption AC110V.3.1W.20BTU/h AC220V.3.SW.22BTU/h AC220V.3.SW.22BTU/		15A(Max), 12A(UL de-rated)	10A(Max)
Metering No No No No No No Outlet Switching Yes Yes Power Consumption A C110V.3.1W.20BTU/h AC220V.3.5W.22BTU/h AC220V.3.5W.22BTU/h AC220V.3.5W.22BTU/h AC220V.3.5W.22BTU/h AC220V.3.5W.22BTU/h AC220V.3.5W.22BTU/h AC220V.3.5W.22BTU/h Note: • The measurement in Watts indicates the typical power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the typical power consumption of the device with no external loading. • The measurement in BTU/h indicates the typical power consumption of the device with no external loading. • The measurement in BTU/h indicates the typical power consumption of the device with no external loading. • The measurement in BTU/h indicates the typical power consumption of the device with no external loading. • The measurement in BTU/h indicates the typical power consumption of the device with no external loading. • The measurement in BTU/h indicates the typical power consumption of the de		15A(Max), 12A(UL de-rated)	10A(Max)
Outlet Switching Power Consumption AC110V:3.1W:20BTU/h AC220V:3.5W:22BTU/h Note: • The measurement in Watts indicates the typical power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in Watts indicates the power consumption of the device with no external loading. • The measurement in Watts indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in Watts indicates the typical power consumption of the device with no external loading. • The measurement in Watts indicates the typical power consumption of the device with no external loading. • The measurement in Watts indicates the typical power consumption of the device with no external loading. • The measurement in Watts indicates the typical power consumption of the device with no external loading. • The measurement in Watts indicates the typical power consumption of the device with no external loading. • The measurement in Watts indicates the typical power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The	Breakers	Yes(UL1077)	Yes(UL1077)
Power Consumption AC110V:3.1W:20BTU/h AC220V:3.5W:22BTU/h Note: • The measurement in Watts indicates the typical power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device when it is fully loaded. Physical Properties Dimensions (L x W x 20.00 x 12.81 x 4.40 cm (7.87 x 5.04 x 1.73 in.) Weight 0.90 kg (1.98 lb) 0.90 kg (1.98 lb) Power Cord Length 3m 3m Environmental Temperature (Operating / Storage) 0 - 50°C / -20 - 60°C 0 - 50°C / -20 - 60°C 0 - 80% RH, Non-Condensing 0 - 80% RH, Non-Condensing 0 - 80% RH, Non-Condensing CE-EMC Safety Verification FCC Class A CE-EMC CE-LVD	Metering	No	No
AC220V:3.5W:22BTU/h Note: The measurement in Watts indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the power consumption of the device with no external loading. The measurement in BTU/h indicates the power consumption of the device with no external loading. The measurement in BTU/h indicates the power consumption of the device with no external loading. The measurement in BTU/h indicates the power consumption of the device with no external loading. The measurement in BTU/h indicates the power consumption of the device with no external loading. The measurement in BTU/h indicates the power consumption of the device with no external loading. The measurement in BTU/h indicates the power consumption of the device with no external loading. The measurement in BTU/h indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the typical power consumption of the device w	Outlet Switching	Yes	Yes
	Power Consumption		
Dimensions (L x W x 20.00 x 12.81 x 4.40 cm (7.87 x 5.04 x 1.73 in.) 20.00 x 12.81 x 4.40 cm (7.87 x 5.04 x 1.73 in.) (7.87 x 1.7		The measurement in Watts indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the power consumption of the	The measurement in Watts indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the power consumption of the device
H) (7.87 x 5.04 x 1.73 in.) (7.87 x 5.04 x 1.73 in.) Weight 0.90 kg (1.98 lb) 0.90 kg (1.98 lb) Power Cord Length 3m 3m Environmental Temperature (Operating / Storage) 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 Compliance EMC Verification FCC Class A CE-EMC Safety Verification By request CE-LVD	Physical Properties		
Power Cord Length 3m 3m Environmental Temperature (Operating / Storage) 0 – 50°C / -20 – 60°C Humidity (Operating & Storage) 0 – 80% RH, Non-Condensing 0 – 80% RH, Non-Condensing Compliance EMC Verification FCC Class A CE-EMC Safety Verification By request CE-LVD			
Environmental Temperature (Operating / Storage) Humidity (Operating & 0 – 80% RH, Non-Condensing 0 – 80% RH, Non-Condensing Compliance EMC Verification FCC Class A CE-EMC Safety Verification By request O – 50°C / -20 – 60°C 0 – 50°C / -20 – 60°C 0 – 80% RH, Non-Condensing C – 80% RH, Non-Condensing CE-EMC CE-LVD	Weight	0.90 kg (1.98 lb)	0.90 kg (1.98 lb)
Temperature (Operating / Storage) Humidity (Operating & 0 – 80% RH, Non-Condensing	Power Cord Length	3m	3m
(Operating / Storage) Humidity (Operating & 0 – 80% RH, Non-Condensing 0 – 80% RH, Non-Condensing Compliance EMC Verification FCC Class A CE-EMC Safety Verification By request CE-LVD	Environmental		
Storage) Compliance EMC Verification FCC Class A CE-EMC Safety Verification By request CE-LVD		0 – 50°C / -20 – 60°C	0 – 50°C / -20 – 60°C
EMC Verification FCC Class A CE-EMC Safety Verification By request CE-LVD		0 – 80% RH, Non-Condensing	0 – 80% RH, Non-Condensing
Safety Verification By request CE-LVD	Compliance		
	EMC Verification	FCC Class A	CE-EMC
Note For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.	Safety Verification	By request	CE-LVD
	Note	sions of WxDxH are expressed using a LxWxH format.	

Diagram

