

# PE5221T/PE5224TA

## 21/24-Outlet eco PDU (Thin Form Factor eco PDU)

- The ATEN NRGence™ PE5221T / PE5224TA eco PDUs are thin form factor intelligent PDUs that contain 21/24 AC outlets available in IEC or NEMA socket configurations. The lightweight thin form factor eco PDUs have a smaller width and input region than ATEN's standard and low profile PDUs. The thin form factor series have a 56 mm width that fits tight into server racks providing more space for cooling and maintenance. The smaller design leaves 8% more space in the rack to increase air flow and cool IT equipment more effectively. It also means faster maintenance with easier access to equipment normally installed behind the PDU.

NRGence™ eco PDUs offer real-time power measurement and threshold alerts – allowing you to monitor the PDU's power status, bank status and circuit breakers, either at the PDU or from any location via a TCP/IP connection.

With the combination of ATEN eco PDUs and eco Sensors Energy Management software, a data center is equipped with real-time monitoring, measurement and analysis of energy consumption – with reports of power usage, PUE, RCI and RTI to meet the ISO 50001 requirements. These indexes will automatically generate customized reports about your data center's energy use and include energy saving suggestions. The suggestions allow you to optimize energy usage and save money without harming your IT equipment's reliability. eco Sensors Energy Management software provides easy multi-PDU management with an intuitive user-friendly interface that allows you to configure PDUs and monitor the power status of equipment connected to them.

PE5224TA



PE5221T



### Thin Form Factor eco PDU

Front view



Side view



### Low Profile eco PDU

Front view



Side view



Model	Description	Input Power Plug	Outlet Type	Function
PE5221T	100-240V 16A 0U 21-Outlet PDU	IEC 60320 C20	(18)  IEC 320 C13 (3)  IEC 320 C19	1-Bank Metering
PE5224TA	100-120V 16A 0U 24-Outlet PDU	NEMA 5-20P	(24)  NEMA 5-20R	1-Bank Metering

## Features

- Thin form factor design with 56 mm width
- Built-in 10/100 Mbps Ethernet port
- Supports TCP/IP, UDP, HTTP, HTTPS, SSL, DHCP, SMTP, NTP, DNS, Auto Sense, Ping, Telnet, and SNMP V1,V2&V3
- 2-level account and password security
- IP/MAC filters, SSL 128-bit data encryption and RADIUS for remote authentication
- Supports eco Sensors Energy Management Software
- Browser access via IE, Firefox, Chrome, Safari and more
- Bank level power metering and monitoring
- Environment monitoring via external sensors for rack temperature and humidity readings with threshold alerts
- Real-time aggregate current, voltage, power, and aggregate power dissipation displayed in a browser-based UI
- Space saving 0U rack mount design with rear mounting
- Lok-U-Plug and EZ-Lok Holders – easily secures power cables to the PDU

### eco Sensors Energy Management Software\*


- Automatic discovery of all ATEN PDUs within the same intranet
- Remote real-time power measurement and monitoring of PDUs
- Real-time environment monitoring via sensors
- Plotting and monitoring of all ATEN PDU devices
- Exceed threshold alerts through real-time monitoring, SMTP and System log
- Power analysis reports


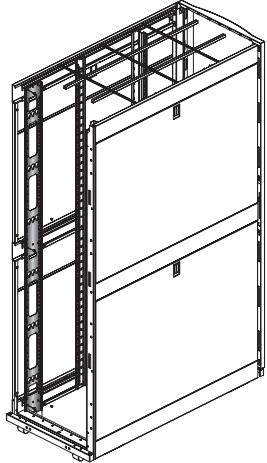

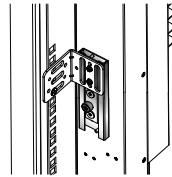

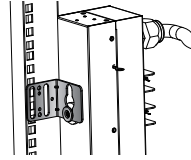
\*eco Sensors is designed to work with NRGence™ eco PDUs, and is bundled with all PE series packages.

## Specifications

Model	PE5221T	PE5224TA
<b>Electrical</b>		
Nominal Input Voltage	100 – 240 VAC	100 – 120 VAC
Maximum Input Current	16A (Max)	20A (Max)
Input Frequency	50-60 Hz	50-60 Hz
Input Connection	For B Plug: NEMA 6-20P For G Plug: IEC 60320 C20	NEMA 5-20P
Input Power	3680 VA (Max)	2400 VA (Max)
Outlet Type	Total: 18 x IEC320 C13 + 3 x IEC320 C19	Total: 24 x NEMA 5-20R Bank 1-1: Outlet 1 – 12; 12 x NEMA 5-20R Bank 1-2: Outlet 13 – 24; 12 x NEMA 5-20R
Nominal Output Voltage	100 – 240 VAC	100 – 120 VAC
Maximum Output Current (Outlet)	For B Plug: C13: 12A; C19: 16A For G Plug: C13: 10A; C19: 16A	NEMA 5-20R: 20A (Max)
Maximum Output Current (Bank)	16A (Max)	20A (Max)
Maximum Output Current (Total)	16A (Max)	20A (Max)
Metering	Bank Level Current, Voltage, VA , PF and kWh Monitoring	Bank Level Current, Voltage, VA , PF and kWh Monitoring
Outlet Switching	None	None
Environment Sensor Ports	2	2
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1%	Voltage Range: 100VAC ~ 250VAC +/-1%
	Power Range: 100W ~ Maximum Capacity +/- 2%	Power Range: 100W ~ Maximum Capacity +/- 2%
	Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%	Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
<b>Physical Properties</b>		
Dimensions (L x W x H)	90.20 x 5.60 x 4.80 cm	177.50 x 5.60 x 4.80 cm
Weight	2.34 kg	3.93 kg
Power Cord Length	3 m	3 m
<b>Environmental</b>		
Temperature (Operating / Storage)	For B Plug: 0–50°C / -20–60°C For G Plug: 0–40°C / -20–60°C	0–50°C / -20–60°C
Humidity (Operating & Storage)	0–80% RH, Non-Condensing	0–80% RH, Non-Condensing
<b>Compliance</b>		
EMC Verification	CE, FCC, J55022 Others by Request	FCC, J55022, Others by Request
Safety Verification	CE-LVD, PSE, Others by Request	PSE, Others by Request

## Optional Accessories

Type	Part No.	Description	Images	Installation
Environment Sensors	EA1140	Temperature		
	EA1240	Temperature / Humidity		
	EA1340	Differential Pressure / Temperature		
Cable Holders	2X-EA07	Lok-U-Plug Cable Holder (10 pcs per pack)		
	2X-EA08	Lok-U-Plug Installation Tool (4 pcs per pack)		
EZ-Lok	2X-EA10	C14 EZ-Lok Plug Connectors		
	2X-EA11	C20 EZ-Lok Plug Connectors		

Type	Part No.	Description	Images	Installation
Rack Mount Kit	2X-015G	Double Mount Rail		
	2X-016G	Slide Rail Kit		
	2X-017G	Button Mount Kit		
	2X-018G	Side Panel Mount Kit	