

PowerZook

For Power Distribution Units



www.jakarta.com



+44 (0) 1672 511125



info@jakarta.com

SNMP POWER SENSOR FOR BASIC AND METERED PDUS

PowerZook is a unique, non-invasive, PoE power sensor that can monitor single phase (3-core) PDUs up to 32A, including many of those from the leading PDU manufacturers. PowerZook provides users with the ability to quickly start harvesting PDU power usage data using SNMP without interruption to power, modification to power cables, or downtime.



“Make your dumb PDUs smart”

Already installed Basic and Metered PDUs can obviously be replaced by intelligent PDUs to achieve comprehensive remote power monitoring. However, where it's not possible or viable to do this, PowerZook can facilitate remote monitoring of your existing PDUs. Since PowerZook can be installed into live environments, integration into an SNMP-based network management or Smart Cities/Building system can be completed with minimal costs and fuss.

Once clipped onto the outside of a PDU cable and configured on the network, PowerZook can help users to not only understand ongoing power usage in critical racks, but also to identify unusual power patterns and avoid potentially catastrophic power problems.

Use PowerZook to identify...

- Power failure
- Equipment failure
- Power usage
- Current overload conditions
- Unusual power usage patterns
- Cable/wiring faults
- How long equipment is in use or idle



Key Benefits

- Delivers power usage information via web-browser interface & SNMP
- No downtime required for installation so can be installed in live environments
- Integrates with SNMP-based Network Management Software
- Web browser interface for configuration and remote connectivity
- PoE for easy network integration
- Small, light, unobtrusive
- Maintenance-free

PowerZook - Quick and Easy Installation

PowerZook can be quickly calibrated on your PDU input power cable and configured using its browser interface. Once installed, PowerZook will make power usage data available via SNMP (v1 or v3). The power data harvested can then obviously be tracked, logged and analysed as required to enable your rack power to be managed as efficiently as possible.

PowerZook is an unobtrusive, robust and durable sensor. Once installed, it is maintenance-free and, in the unlikely event that a swap-out for another unit is ever required, there will be no disruption to your network or power to the rack.



Jakarta **PowerZook** CURRENT: 1.0A POWER: 1.04W

Status Settings System Contact Logout

SNMP Settings...

Polling Port:

Mode:

Authentication Protocol:

Privacy Method:

Username:

Authentication Passphrase:

Confirm Authentication Passphrase:

Privacy Protocol Passphrase:

Confirm Privacy Passphrase:

SNMPv1 Enabled:

Polling Port: Enter the SNMP polling port number. Default 161.
Mode: Use authentication only or authentication with privacy.
Authentication Protocol: Select the authentication protocol (MD5 or SHA).
Privacy Method: Select the privacy method (DES or AES128).
Username: SNMPv3 security name.
Authentication Passphrase: Set the authentication protocol passphrase.
Privacy Protocol Passphrase: Set the privacy protocol passphrase.
SNMPv1 Enabled: Enable the SNMPv1 agent.
SNMPv1 Community: Enter the SNMPv1 community name.



Jakarta's non-invasive power sensors are helping organisations monitor data centre and remote comms rack power usage where previously it's been difficult or impossible to do so. As well as monitoring PDUs in data centres, our sensors can also be used in many other situations (eg. with hard-wired cables) where downtime for installation is not an option.

PowerZook - Specifications

- Weight (g): 90
- Dimensions (mm): 44 (w) x 65(h) x 55 (d)
- LED: 3 x LED (Power, Status, Network)
- Power: PoE IEEE 802.3af
- Power Information: Amps (True RMS), Watts (Indicative)
- Cable/Power Requirements (for PowerZook monitoring):
 - ⇒ Cable: Unarmoured/unshielded: AWG12, AWG14, 3G4 and 3G2.5 3-core power cable
 - ⇒ Typical Cable Ratings: 120v/20A, 208v/20A, 230v/16A, 120v/30A, 208v/30A, 230v/32A
 - ⇒ Max Cable Diameter: 13.6mm*
 - ⇒ Current: 0-32A
 - ⇒ Frequency: 50 & 60 Hz
- Protocols: HTML, UDP, TCP/IP, SNMP v1/v3
- Firmware Upgrade: Yes
- Warranty: 1-Year

NB. Minimum load to achieve optimised installation: 1AMP

* Please contact us should you wish to monitor cables larger than 13.6mm diameter

