AP8000

Series

Metered-by-outlet with switching Rack Power Distribution Units (PDUs) provide real-time remote monitoring of each individual outlet combined with remote on/off switching control of individual outlets to provide IT professionals the necessary tools for advanced data center energy management.

- IEC60950 industrial standard PDU
- Multiple locking IEC socket
- Socket color management
- Compact size, only 50mm
- Optional sensor, rich function expansion
- Remote detection and switch each port
- Accurate measurement of embedded operating system, intelligent control.
- Work with centralized control platform perfectly compatible

Overview

RakworX Metered & Switching by Outlet Rack Power Distribution Units (PDUs) provide active metering of individual outlets and remote on/off switching control of individual outlets. Metering-by-outlet allows users to enable energy optimization and detailed capacity planning. User-defined alarm thresholds mitigate risk with real-time local and remote alerts to warn of potential circuit overloads.

The Metered-by-outlet feature provide a granular level of power utilization data that allow Data Center Managers to make precise decisions on load balancing and right sizing IT environments to lower total cost of ownership. The Switching feature enables advanced, user-customizable power control. The Switching feature provides remote power on/off outlet level controls for power cycling to remotely reboot equipment and restrict unauthorized use of individual outlets. Power sequencing time delays allow users to define the order in which to power up or down attached equipment to avoid circuit overload. Current metering provides real-time remote monitoring of connected loads with user-defined alarms to warn of potential circuit overloads. Users can access, configure, and control Metered by Outlet with Switching Rack PDUs through secure Web, SNMP, Command Line Interface, or Telnet Interfaces which are complimented by RakworX Centralized Management platforms using Data Center Expert, Operations, Capacity, and Energy Efficiency.

AP8000 series Switched Rack PDUs include real power monitoring, a temperature/humidity sensor port, and locking IEC receptacles.

Specifications

Size	0U: 1700mm×55mm×50mm 0U: 1100mmx55mmx50mm 1U: 448mm×44mm×50mm			
Socket	16	24	24	24
Socket Type	C13 [16]	C13 [24]	C13 [20] C19 [4]	C13 [18] C19 [6]
Output voltage	200-240V AC, 1Ph			
Input voltage	200-240V AC, 1Ph/380-415V AC 3Ph, 50/60 Hz			
Input current	16A	32A	63A	
Power Cord	2.5mm^2	6mm^2	10mm^2	
Power Cord length	2M/3M			
Plug	IEC309 Plug or NEMA Plug			
Protection function.	Hydraulic magnetic circuit breaker			
Output current per Bank	16A/20A			
Output current Per outlet	C13：10A C19：16A			
Chassis	Galvanized sheet			
Color	Black（Red / Blue）			

Metering, Monitoring & Network Management

Outlet level power measurements (V, A, VA, kWh, PF)	√
Input Phase level power measurements (V, A, VA, kWh, PF)	√ （1% when current >1A ）
Remote On/Off power control by individual outlet	√
Circuit breaker detection	√
Remote On/Off power control by individual outlet	√
Over voltage and over current alarm	√
User customizable alarm thresholds & notifications	√
Remote network communication and control	√ （HTTP, HTTPS, SSH, Telnet, SNMP, FTP）
environmental sensors including temperature, humidity, dry contact and fluid leak	√
Rack access monitoring with door contact switch	√
Display Interface	1.5 "
External display	√
Log management	√
Embedded system	√

Environmental

Maximum elevation, above MSL (Operating/Storage)	0-3,000 m
Temperature (Operating/Storage)	-5 to 60℃
Humidity (Operating/Storage)	5-95% RH, non-condensing

Compliance

EMC verification	EN 55022 Class A, EN 55024, EN 61000-3-2, EN 61000-3-3
Safety verification	UL , TUV , EMC, CE, EN/IEC 60950-1
Environmental Verification	ROHS, WEEE

For more information

Please visit the website: www.rakworx.com

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