



RC0816

The RC0816, Racktivity's next-generation Power Distribution Units (PDUs) will equip your data center with the most advanced metering, switching and predictive analysis capabilities on the market today. With Racktivity PDUs you get powerful systems for energy and capacity optimization and the reliable IT asset protection you demand, all in one PDU.

Racktivity PDUs give data center professionals current, relevant and actionable power utilization data to make informed decisions on load balancing and managing IT assets based on event triggers and energy consumption to lower total cost of ownership. Racktivity PDUs provide real-time remote PDU-level and port-level true RMS monitoring of current (amps), voltage, power (kVA, kW), power factor and energy consumption (kWh) with +/- 1% accuracy.

Racktivity PDUs integrate with third party or Racktivity's environmental sensors for enhanced monitoring of temperature, humidity and air flow. User-defined alarm and warning thresholds help manage risk with real-time local and remote alerts to warn of potential circuit overloads and environmental events.

The RC0816 gives you:

- ▣ Real time, true RMS measurement capability
- ▣ Individual power port level switching capability
- ▣ Short term, long term and event driven logging
- ▣ Predictive analysis
- ▣ Inrush current protection
- ▣ Sequential start-up
- ▣ Programmable thresholds for alarms/warnings
- ▣ Flash upgradable
- ▣ Ultra low energy consumption

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SPECIFICATIONS



TECHNICAL:

- Input: 1 inlet C20, 110-240V, 60Hz, max current ~ 16A
- Output: 8 switched outlets C13, 110V-240V, 8A max per port

MEASUREMENTS, METERING & LOGGING:

- True RMS 320,000 samples / second
- ISO-IEC +/- 1% billing-grade accuracy
- Inlet - PDU totals: Voltage (V), Power (W), Apparent Power (VA), Current (A), Power Factor (PF), Frequency (Hz), Energy Consumption (kWh), Kilo Volt Ampere Hours (kVAh)
- Outlet: Voltage (V), Power (W), Apparent Power (VA), Current (A), Power Factor (PF), Frequency (Hz), Energy Consumption (kWh), Kilo Volt Ampere Hours (kVAh)
- Internal temperature sensor
- Start-up logging, event logging, 15-min short term and 7 day long term logging

CONTROL & COMMUNICATION:

- Ethernet 10/100 Mbps auto detecting, half/full duplex connection,
- RS-232, RS-485
- Remote access through web browser
- Command Line Interface via Telnet through full access at RS-232 ports
- RADIUS support

SECURITY, ALERTING AND SAFETY:

- SNMP TRAPS, SETs, GETs support (V2C)
- SSH, secure web site (HTTPS)
- SSL certificate
- Audible and visible alarm
- Warning level for Voltage, Current, Temperature
- Record Time & Date of Min / Max Voltage, Current, Temperature
- Programmable startup sequence
- Priority management
- Programmable electronic fuse
- Micro power interruption and peak power detection
- Inrush current protection by zero-crossing switching

MECHANICAL:

- 1U form factor
- Rack mountable
- LCD-TFT Display (Voltage, Current, Power Factor, IP address)
- Control and Menu buttons
- LED power ON/OFF indicators at each outlet
- Color: White coat
- Approval: UL 60950-1 (in process)
- CE/RoHS Compliant