

Sentry Switched CDU

CW-16HD2/E Dual Input with PIPS

Key Features

- > **High Density:** Dual power input feed; 16 outlets per 2U enclosure
- > **High Power Distribution:** 208V, or 230V power options; 16, 20, 30, 32-Amp input feed options
- > **Remote Power Management:** Power cycle individual power outlets, or groups of power outlets, to remotely reboot servers and network devices, anywhere in the world. Or, power-off unused power receptacles
- > **Input Current Monitor:** Precisely measure the aggregate current draw (in amps) on each power circuit. On-site verification of the input current with the LED digital display. Remote verification via browser or serial screen.
- > **IP Access & Security:** Web interface, SSL, SSH, Telnet, SNMP, FTP, SNTp, Syslog, LDAP, LDAPS, RADIUS, TACACS, RS-232 access
- > **Traps & Alerts:** Provide automated SNMP-based alarms and email alerts for power and environmental conditions
- > **Environmental Monitoring:** Each Switched CDU supports two temperature & humidity probes and reports conditions thru the Web interface
- > **Add an Expansion Module:** Connect the Switched Expansion CDU (CX) to a Master unit (CW) for power management of separate power circuits from a single IP address
- > **Power-up Sequencing:** Prevent an in-rush power overload



High-Density Power Distribution

The Switched CDU's combine remote configuration and management with power distribution and power and environmental monitoring. Reboot a single or dual-power server with one command. Receive SNMP-based alerts and email alerts when power or environmental conditions exceed thresholds. Assign users specific access rights to designated outlets or groups.

Only the Switched CDU products provide the flexibility needed for all data centers and remote sites, including power requirements for high-amp, high voltage; UL 60950-1 branch circuit protection; SSL & SSH security; and SNMP-based input current monitoring.

Additional Benefits:



Branch Circuit Protection

The Sentry CDU Family meets the UL 60950-1 requirement for Branch Circuit Protections

- > UL-489 rated circuit breakers



PIPS - Per Input Power Sensing

Accurately measures Active Power, Apparent Power, Energy k-Wh, Power Capacity, Reactance, and Power Capacity Used using the network interface. See the aggregate current draw, in Amps, locally using the onboard LED.



Temperature and Humidity

The

Switched CDU supports two external probes. Each of these probes measure both temperature and humidity. Receive SNMP-based alert notifications when conditions exceed defined thresholds.



Linking (Expansion Modules)

The Switched CDU family has the capability to daisy chain units together. The Expansion Module provides the ability to link two power circuits under one IP address.

Model	Available Input Voltages	Amperage	Available Input Cord	Outlets	Dimensions (L x W x D)
CW-16HD2A454 CX-16HD2A454*	208-240V 50/60Hz	20A	(2) IEC C20 Power Inlets	(16) IEC 60320/C13	3.50 x 17.20 x 10.00 in. (89 x 437 x 254 mm)
CW-16HD2C454 CX-16HD2C454*	208-240V 50/60Hz	30A	(2) NEMA L6-30P Plugs, 10'(3m) Cord	(16) IEC 60320/C13	3.50 x 17.20 x 10.00 in. (89 x 437 x 254 mm)
CW-16HDEA454 CX-16HDEA454*	230V 50/60Hz	16A	(2) IEC C20 Power Inlets	(16) IEC 60320/C13	3.50 x 17.20 x 10.00 in. (89 x 437 x 254 mm)
CW-16HDEK454 CX-16HDEK454*	230V 50/60Hz	32A	(2) IEC Blue 2P+G Plug, 10'(3m) Cord	(16) IEC 60320/C13	3.50 x 17.20 x 10.00 in. (89 x 437 x 254 mm)

*CX refers to the Expansion Unit

Additional Features and Specifications

Agency Approvals

- > US & Canada (cTUVus mark) to UL 60950-1:2003 and CAN/CSA 22.2 No. 60950-1-03
- > European Union (TUVGS mark) to EN 60950-1:2001 > FCC Class A, Part 15
- > CE
- > EMC to EN 55022 Class A, EN 55024, CISPR 22 Class A

Communications and Security

- > 10/100 BaseT Ethernet
- > HTTP/HTTPS
- > SSLv3/TLSv1
- > SNMPv2
- > SSHv2
- > Telnet
- > LDAPv3
- > LDAPS
- > TACACS+
- > RADIUS
- > RS-232 (Serial)

Branch Circuit Protection

- > Compliant to UL 60950-1

Accessories

- > Optional Temperature & Humidity Probe
 - EMTH-1-1 Temperature & Humidity Probe, 10ft (3m)
- > Environmental Monitor
 - EMCU-1-1B allows up to (2) additional temperature & humidity probes, (1) water sensor, (4) dry contact closures, (1) analog-to-digital contact sensor. Includes (1) temperature/humidity probe with unit.
- > SPM (Sentry Power Manager) Appliance:
 - Monitor and Manage multiple Sentry CDU's
 - Monitor and Manage all alarm conditions
 - Reporting and Trending
 - Group or Cluster outlets for reboot and power information

Power Cord Options

- > PTCORD-1 IEC 60320/C19 - NEMA L6-20P , 10ft (3m)
- > PTCORD-2 IEC 60320/C19 - Schuko 10ft (3m)
- > PTCORD-3 IEC 60320/C19 - IEC 60309 (BS4343, CEE17) 16/20A Blue (UK Commando) 10ft (3m)
- > PTCORD-4 IEC 60320/C19 - BS1363 13A (UK) 10ft (3m)



Rear View: network, serial, linking and temperature/humidity inputs



Expansion Unit
Model Numbers
> CX-16HD2A454
> CX-16HD2C454
> CX-16HDEA454
> CX-16HDEK454



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