

Sentry Switched CDU

CWG-24V4 Switched POPS™ CDU with Mixed Outlets

High-Density Power Distribution

The Switched CDU combines network configuration and management with power distribution, environmental monitoring and the ability to provide power monitoring per an individual outlet/device. Power information per outlet includes current, voltage, power (kW), apparent power (VA), crest factor and power factor. Reboot a single or dual-power server with one command. Receive SNMP or email-based alerts when power or environmental conditions exceed thresholds. Assign user specific access rights to designated outlets or groups.

This Switched CDU has top entry for network, serial & environmental connections combined with a bottom power cord entry. Current monitors are easily inverted via the web GUI or serial interface. This provides flexibility when connecting Switched CDU's to overhead power or busways.

Additional Benefits:



POPS™ (Per Outlet Power Sensing)

Monitor Current Load (A), Voltage (V), Power (W), Apparent Power (VA), Crest Factor and Power Factor per outlet at an accuracy of $\pm 2\%$.



Branch Circuit Protection

The Sentry CDU Family meets the UL 60950-1 requirement for Branch Circuit Protections
 > UL-489 rated circuit breakers



Input Current Monitoring

Exclusive Digital True RMS current monitoring is critical to preventing overloads in high-density computing environments. LED digital display on the CDU enclosure report the input current of the branch circuit.



Temperature and Humidity

The Switched CDU supports two external 10ft (3m) probes. Each of these probes measure both temperature and humidity. Receive SNMP-based alerts or email notifications when conditions exceed defined thresholds.



Mixed Outlets

This Switched CDU combines both IEC 60320/C13 and IEC 60320/C19 switched outlets within a single CDU. For rebooting non-responsive servers & network devices.

Key Features

- > **High Density:** Single-power input feed; 24 outlets per enclosure (Qty 18 IEC C13 & 6 IEC C19 outlets)
- > **Power Distribution:** 400V 3-phase, 16 and 32A power input feed options with 230V output.
- > **Input Current Monitor:** Precisely measure the aggregate current draw (in amps) of the circuit. On-site verification of the input current with LED digital display. Remote verification via web browser or serial screen.
- > **Networked 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
- > **IP Access & Security:** Web interface, SSL, SSH, Telnet, SNMP, FTP, SNTp, Syslog, LDAP, LDAPS, TACACS, RADIUS, and RS-232 access
- > **SNMP Traps and Email alerts:** Provide automated alerts for power and environmental conditions
- > **Environmental Monitoring:** Each Switched CDU supports two external temperature & humidity probes and reports conditions thru the user interface without the need for additional IP addresses
- > **Add an Expansion Module:** Daisy chain the Switched CDU Expansion Module (CXG) for power monitoring of separate power circuits from a single IP address



Model	Available Input Voltages	Amperage	Available Input Cord	Outlets	Dimensions (L x W x D)
CWG-24V4J411A1 CXG-24V4J411A1*	3-Phase Wye 400V 50/60Hz	16A	IEC 60309 Cord set 10ft (3m)	(18) IEC 60320/C13 (6) 60320/C19	1753 x 44.4 x 89mm (69 x 1.75 x 3.5 in)
CWG-24V4K411A1 CXG-24V4K411A1*	3-Phase Wye 400V 50/60Hz	32A	IEC 60309 Cordset 10ft (3m)	(18) IEC 60320/C13 (6) 60320/C19	1753 x 44.4 x 89mm (69 x 1.75 x 3.5 in)

* CXG part numbers refer to the Expansion CDU

Additional Features and Specifications

Agency Approvals

- > European Union (TUVGS mark) to EN 60950-1:2001
- > 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
- > LDAPS/LDAPv3
- > TACACS+
- > RADIUS
- > RS-232 (Serial)

Branch Circuit Protection

- > Compliant to UL 60950-1

Accessories

- > Optional Temperature & Humidity Probe
 - EMTH-1-1 Temperature & Humidity Probe, 10 ft (3m)
- > 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
- > 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.

1U SPM Appliance



Expansion Module Model Numbers

- > CXG-24V4J411A1
- > CXG-24V4K411A1



Server Technology

HEADQUARTERS - NORTH AMERICA
 Server Technology, Inc.
 1040 Sandhill Drive
 Reno, NV 89521
 United States
 1.775.284.2000 Tel
 1.775.284.2065 Fax
 sales@servertech.com
 www.servertech.com
 www.servertechblog.com

EMEA
 Server Technology Intl
 Sienna Court
 The Broadway
 Maidenhead
 Berkshire
 SL6 1NJ
 United Kingdom
 +44 (0) 1628 509053 Tel
 +44 (0) 1628 509100 Fax
 salesintl@servertech.com

APAC
 Server Technology Intl
 37th Floor, Singapore Land Tower
 50 Raffles Place
 Singapore 048623
 +65 (0) 6829 7008 Tel
 +65 (0) 6234 4574 Fax
 salesintl@servertech.com