

# Sentry Switched CDU

## Key Features

- > **High Density:** Single-power input feed; 24 outlets per enclosure (Qty 18 IEC C13 & 6 IEC C19 outlets)
- > **Power Distribution:** 208V, 3-Phase, 20 and 30A power input feed options.
- > **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.
- > **Network 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, SNT, 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) to a Master (CWG) for power monitoring of separate power circuits from a single IP address

## CWG-24VD/Y Switched POPS™ and PIPS™ 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  $\pm 2\%$ .



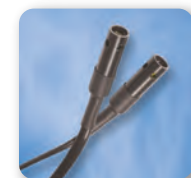
#### Branch Circuit Protection

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



#### PIPS - Per Input Power Sensing

Accurately measures Active Power, Apparent Power, Energy k-Wh, Power Capacity, 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 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.



Model	Available Input Voltages	Amperage	Available Input Cord	Outlets	Dimensions (L x W x D)
CWG-24VDD415A1 CXG-24VDD415A1*	240V 3-Phase Delta, 50/60 Hz	20A	NEMA L15-20P Plug, 10'(3m), Bottom/Frt Cord	(18) IEC 60320/C13 (6) IEC 60320/C19	69.0 x 1.75 x 3.50 in. (1753 x 44 x 89 mm)
CWG-24VDE415A1 CXG-24VDE415A1*	240V 3-Phase Delta, 50/60 Hz	30A	NEMA L15-30P Plug, 10'(3m), Bottom/Frt Cord	(18) IEC 60320/C13 (6) IEC 60320/C19	69.0 x 1.75 x 3.50 in. (1753 x 44 x 89 mm)
CWG-24VYL415C9** CXG-24VYL415C9**	208V, 3-phase Wye, 50/60 Hz	20A	NEMA L21-20P Plug, 10'(3m), Bottom/Frt Cord	(18) IEC 60320/C13 (6) IEC 60320/C19	69.0 x 1.75 x 3.50 in. (1753 x 44 x 89 mm)
CWG-24VYM415C9** CXG-24VYM415C9**	208V, 3-phase Wye, 50/60 Hz	30A	NEMA L21-30P Plug, 10'(3m), Bottom/Frt Cord	(18) IEC 60320/C13 (6) IEC 60320/C19	69.0 x 1.75 x 3.50 in. (1753 x 44 x 89 mm)

\* CXG part numbers refer to the Expansion CDU

\*\* Product has unmonitored NEMA 5-20R Utility Outlet

## Additional Features and Specifications

### Agency Approvals

- > US & Canada (cTUVus Mark) to UL 60950-1: 2007 and CAN/CSA 22.2 No. 60950-1-07
- > FCC Class A, Part 15
- > EMC to EN 55022 Class A, EN 55024, CISPR 22 Class A

### Communications and Security

- > 10/100 BaseT Ethernet
- > HTTP/HTTPS
- > SSLv3/TLSv1
- > SNMPv2 and v3
- > SSHv2
- > Telnet
- > LDAPS/LDAPv3
- > TACACS+
- > RADIUS
- > RS-232 (Serial)
- > IPv4 and IPv6

### Branch Circuit Protection

- > Compliant to UL 60950-1

### Accessories

- > Optional Temperature & Humidity Probe
  - EMTH-1-1 Temperature & Humidity Probe, 10 ft (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):
  - 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
  - Optional Appliance or virtual version
  - SPM v5.1+ is VMware READY



VMware and VMware Ready is a registered trademark or trademark of VMware, Inc. in the United States and/or other jurisdictions

1U SPM Appliance



Expansion Module  
Model Numbers

- > CXG-24VDD415A1
- > CXG-24VDE415A1
- > CXG-24VYL415C9
- > CXG-24VYM415C9



## 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  
Fountain Court  
2 Victoria Square  
Victoria Square  
St. Albans  
AL1 3TF  
United Kingdom  
+44 (0) 1727 884676 Tel  
+44 (0) 1727220815 Fax  
salesint@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  
salesint@servertech.com