

Sentry Smart CDU

CS-16V

Mid and High Density Power Distribution

The Smart Cabinet Distribution Units (CDU) provide reliable power distribution combined with local and remote power monitoring and environmental monitoring via IP. Use the network interface to view power, temperature and humidity levels via Web browser, or receive SNMP-based alarms and email alerts when conditions exceed defined thresholds.

The Smart CDU family now has the capability to daisy chain units together. The Expansion CDU Module gives the ability to use one IP address across different power circuits.

Additional Benefits:



Fuse Retractors for Branch Circuit Protection

These tool-less retractors pull out for easy access and replacement of fuses. The Sentry CDU Family meets the UL 60950-1 requirement for branch circuit protection.

Attention! The Sentry CDU products meet the above criteria by providing overcurrent protection with UL-listed Bussman SC fuses for each branch circuit.



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 Smart 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.



Linking for Smart CDU (Expansion Modules)

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

Key Features

- > Mid and High Density: Single-power input feed; 16 outlets per enclosure
- > High Power Distribution: 100-120V & 208-240V power options; 16, 20, 30, or 32-Amp power input feed options.
- > 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 web browser or serial screen.
- > IP Access & Security: Web interface, SSL, SSH, Telnet, SNMP, FTP, SNT, Syslog, LDAP, LDAPS, TACACS and RS-232 access
- > SNMP Traps: Provide automated alerts for power and environmental conditions
- > Environmental Monitoring: Each Smart 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 Smart CDU Expansion Module (CS/CL) 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)
CS-16V1-C20M CL-16V1-C20M*	100-120V 50/60Hz	20A	IEC 60320/C20 Power Inlet	(16) NEMA 5-20R	44.5 x 1.75 x 2.25 in. (1130 x 44.4 x 57 mm)
CS-16V1-L30M CL-16V1-L30M*	100-120V 50/60Hz	30A	NEMA L5-30P Cordset, 10 ft (3m)	(16) NEMA 5-20R	44.5 x 1.75 x 2.25 in. (1130 x 44.4 x 57 mm)
CS-16V2-C20M CL-16V2-C20M*	208-240V 50/60Hz	20A	IEC 60320/C20 Power Inlet	(16) IEC 60320/C13	49.5 x 1.75 x 2.25 in. (1257 x 44.4 x 57 mm)
CS-16V2-L30M CL-16V2-L30M*	208-240V 50/60Hz	30A	NEMA L6-30P Cordset, 10 ft (3m)	(16) IEC 60320/C13	49.5 x 1.75 x 2.25 in. (1257 x 44.4 x 57 mm)
CS-16VE-C20M CL-16VE-C20M*	230V 50/60Hz	16A	IEC 60320/C20 Power Inlet	(16) IEC 60320/C13	49.5 x 1.75 x 2.25 in. (1257 x 44.4 x 57 mm)
CS-16VE-P32M CL-16VE-P32M*	230V 50/60Hz	32A	IEC 60309 Cordset 10 ft (3m)	(16) IEC 60320/C13	49.5 x 1.75 x 2.25 in. (1257 x 44.4 x 57 mm)

* CL part numbers refer to the Expansion CDU

**Please note that the depths of these enclosures are 3.0" deep at the placement of the fuse retractors

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 - EN 55022 Class A, EN 55024

Communications and Security

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

Branch Circuit Protection

- > Compliant to UL 60950-1

Power Cord Options (for units with C20 power inlets)

- > PTCORD-1 IEC 60320/C19 - NEMA L6-20P , 10 ft (3m)
- > PTCORD-2 IEC 60320/C19 - Schuko 10 ft (3m)
- > PTCORD-3 IEC 60320/C19 - IEC 60309 (BS4343, CEE17) 16/20A Blue (UK Commando) 10 ft (3m)
- > PTCORD-4 IEC 60320/C19 - BS1363 13A (UK) 10 ft (3m)
- > PTCORD-5 IEC 60320/C19 - 5-15P (15A Straight-Blade) 10 ft (3m)
- > PTCORD-6 IEC 60320/C19 - 5-20P (20A Straight-Blade) 10 ft (3m)

Accessories

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



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