

C1W16VS-1DFA17A5 (Master)

C1X16VS-1DFA17A5 (Link)

The Server Technology® Switched PDU provides control of outlet power and local LED input current monitoring, allowing IT personnel to determine safe levels of loading on a per-phase basis while installing equipment into the rack/cabinet. The power data points, along with temperature and humidity measurements (provided via optional probes), are accessible through the built-in Web and CLI interfaces as well as through SNMP. The Switched "Master" PDU can be connected to a Switched "Link" PDU to extend the network access to the redundant or secondary power feed.

Key Features



Network Monitoring

Gain access to valuable data through connections including HTTP(S), SSH, Telnet, SNMP, (S)FTP, SMTP, Syslog, LDAP(S), RS-232 serial, and more.



Star Multi-Linking

Provides the ability to link up to four power circuits using one IP address. Primary link provides backup power to network card.



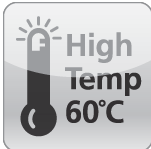
Auto-Flip Current Display

Easy-to-read LEDs display current per phase to help prevent overloads and simplify three-phase load balancing in high-density cabinets. "Switched"



Outlet Control

On Switched rack PDUs, cycle power to individual outlets or groups of outlets to reboot servers. Or, power off unused receptacles.



High Temperature Rating

This product has been tested and approved for safe and reliable operation in 60 °C data center environments.



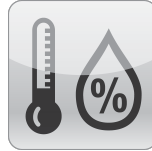
Color Identification

Choose from six colors to designate circuits for rack PDUs in the data center. Color options include Blue, Red, Green, White, Yellow, and Black.



Hot-Swap Network Card

Network access is ensured when power is lost to the Master unit with backup power provided by the primary link unit.



Temperature/Humidity Monitoring

Master and Link units each support two external 10' (3m) T/H probes. Receive SNMP-based alerts and email notifications.



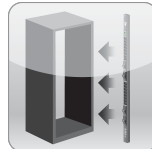
Branch Circuit Protection

This PDU meets the UL and IEC 60950-1 requirement for branch circuit protection through use of UL489 rated magnetic-hydraulic circuit breakers or UL248 fuses.



High Retention Locking Outlets

Receptacles have high retention and are compatible with P-Lock type power cords.



Flexible Mounting

Includes standard button mounts along with provisions for custom mounting brackets (contact Server Technology for details).

Inputs

Input Voltage (V):	120
Input Plug:	NEMA L5-30P
Input Current (A):	30
Input Current Rated (A):	24
Input Power Capacity (kW):	2.8

Outputs

Connector	Rating
(16) x NEMA 5-20R	North American Rating: $\leq 16A @ 120V L-N$ (20A Peak)

Branch Circuit Protection

(2) 20A Fuses, two (2) branch, meets UL 60950-1 requirements (Bussmann SC-20 fuses), 100 kA Interrupt Rating

Physical

Dimensions: 44.5in tall x 1.75in wide x 2.25in deep [1131mm x 45mm x 58mm]

Environmental

Operating Environment: 32°F to 140°F / 0°C to 60°C | 8%RH to 90%RH non-condensing | 6,500ft/2km elevation

Storage Environment: -40°F to 185°F / -40°C to 85°C | 8%RH to 90%RH non-condensing | 50,000ft/15km elevation

Quiescent / Unloaded Power Draw: < 10W for all configurations

Communications & Security

10/100 Mbps Ethernet (RJ-45 connector), RS-232 serial (RJ-45 connector)

Two (2) temperature/humidity sensor inputs (4P4C), Link port (RJ-12) - {also on Link PDU}

Web-browser GUI and command-line interface (CLI): HTTP/HTTPS, TLSv1.2, SSHv2, Telnet, SNMPv2c and v3 (GET, SET, Traps), IPv4 and IPv6, LDAPv3/LDAPS, TACACS+, RADIUS, FTP/SFTP

Certifications

North American:

cTUVus Mark to UL 60950-1:2007 R10.14

CAN/CSA-C22.2 No. 60950-1-07+A1:2011+A2:2014

FCC Part 15 Subpart B Sections 15.107 and 15.109, Class A

Measurement Accuracy

Input Measurement Accuracy:

LED Current = $\pm 10\%$ at 0.1 amp (0.3 - 9.9 amps) and 1 amp (> 9.9 amps) resolution

GUI Current = $\pm 5\%$ at 0.01 amp resolution (above 0.25 amp)

Optional Accessories

EMTH-2-10 Combination Temperature/Humidity Probe, 10ft (3m)

EMCU-1-1C Environmental Monitor adding:

- Two (2) EMTH-2-10 temperature/humidity ports (one probe included)
- One (1) EMWS-1-1 water sensor port (probe sold separately)
- Four (4) dry contact (NO/NC) monitoring points
- One (1) 8-bit analog-to-digital converter (0 to 5VDC)

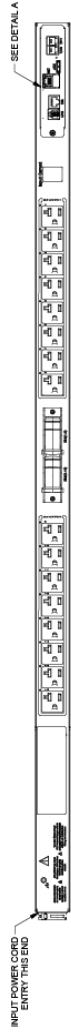
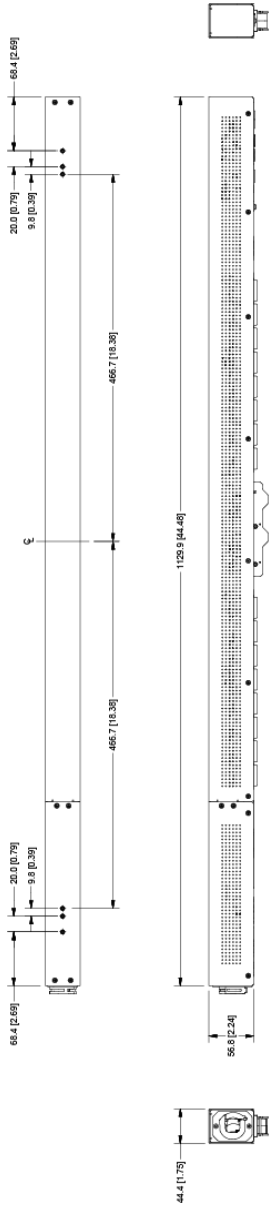
KIT-SUS-01 StartUp Stick™ for rapid configuration Mounting Brackets

- Buttons (KIT-0020) included for tool-less mounting (see diagram)
- See the Mounting Bracket Guide for further suggestions
- Custom mounting options available. Contact your local Server Technology representative

Cable Retention Devices for non-locking cords

- EZip
- Cable Sleeve

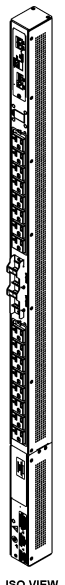
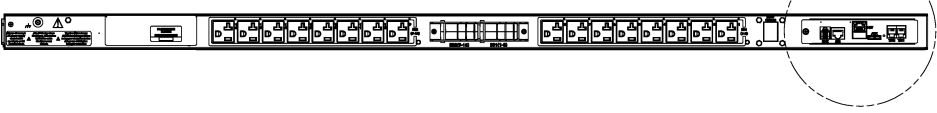
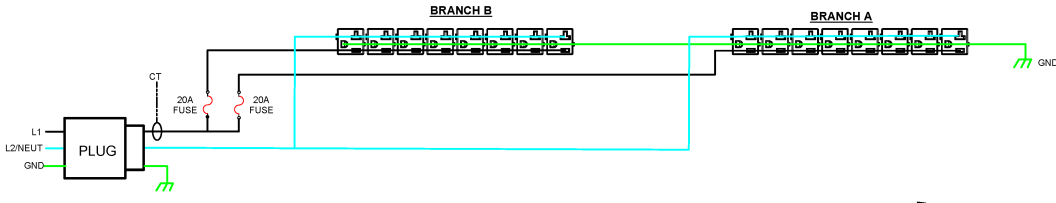
Drawings



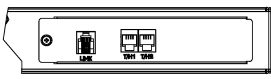
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RoHS COMPLIANT

REVISION HISTORY		DATE	APPROVED
ZONE	REV	DESCRIPTION	
-	1	INITIAL DESIGN	JIC/ROG




ISO VIEW



DETAIL A
 'C1X' EXPANSION VIEW

TOLERANCES	UNLESS OTHERWISE SPECIFIED
LINEAR DIMENSIONS (EXCEPT ANGLES)	INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5M 2009
ANGULAR DIMENSIONS:	DIMENSIONS & TOLERANCING MAY VARY BY ASME Y14.5M 2009
XX=±0.50	GEOMETRIC SURFING AND SURFACE FINISH
XXX=±1.50	DIMENSIONS ARE IN MILLIMETERS
	DIMENSIONAL LIMITS APPLY AFTER FINISH
	COULDFINISH DRAWINGS
SYMBOLS	THIRD ANGLE PROJECTION
(CR) CRITICAL DIM.	
(C) COSMETIC SURFACE	
MATERIAL	
FINISH	

SERVER TECHNOLOGY, INC.		
1040 Sandhill Road, Reno, NV 89521		
DRAWING TITLE:		
FUNCTIONAL WIRING DIAGRAM, SWITCHED, PIPS		
SIZE	CAGE CODE	SYMBOL
B	049V0	495-0113-30P
SCALE	NONE	SHEET
		1 OF 1

Additional Information

Warranty: Server Technology offers a standard 2-year limited parts & labor warranty. Extended support is available at the time of purchase. See the Support Options on the website, or contact your local Server Technology representative for more information.

Patents: Information on Server Technology patents is available on the website at:

www.servertech.com/products/patents

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³ "Global" models are typically for use in countries outside of North America. Contact your Server Technology representative for more information about which models are appropriate for your application.

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Interested in learning more about how Server Technology can help you manage and distribute power in your datacenter?

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Get Ahead

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