

STV-4525D (Primary)

[SEV-4525D \(Link\)](#)

The Server Technology® PRO2 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 integral PIPS® technology provides billing-grade accurate measurement of current, voltage, active power, apparent power, power factor, crest factor, and accumulated energy at the input. These 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 PRO2 Switched “Primary” PDU can be connected to as many as three (with optional module) PRO2 Switched “Link” PDUs to extend the network access to the redundant or secondary power feed without the risks of a daisy chain linking configuration.

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

PRO2 provides the ability to link up to four power circuits using one IP address. Primary Expansion PDU 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.



Branch Current Monitoring

Monitors current at each breaker branch and provides SNMP-based alerts and emails on high usage that risks a tripped circuit.



Outlet Control

On Switched 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-Coded Options

Select from six colors to designate PDU circuits in the data center — black, white, red, green, blue, and yellow.



Hot-Swap Network Card

Network access is ensured when power is lost to the Primary unit with backup power provided by the Linked unit.



Temperature/Humidity Monitoring

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



Per-Inlet Power Sensing

PIPS® (Per Inlet Power Sensing) Monitors Current Load (A), Voltage (V), Power (W), Apparent Power (VA), Crest Factor, Power Factor, & Energy per inlet.



Branch Circuit Protection

This PDU meets the UL and IEC 62368-1 requirement for branch circuit protection through UL 489 rated magnetic-hydraulic circuit breakers or UL 248 fuses.



High Retention Locking Outlets

PRO2 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.

Inputs

Input Voltage (V):	415
Frequency	50/60 Hz
Input Plug:	240/415V Wye 30A IEC 60309 3P+N+G 6 Hr
Input Current (A):	30
Input Current Rated (A):	24
Input Power Capacity (kW):	17.3

Outputs

Connector	Rating
(36) x IEC 60320/C13	North American Rating: ≤ 12A @240V L-N (15A Peak)
(12) x IEC 60320/C19	North American Rating: ≤ 16A @240V L-N (20A Peak)

Outlet #1 at the power input

Branch Circuit Protection

UL 489, CSA C22.2 No. 5 & IEC/EN 60947-2 Compliant 1-pole, 20A trip circuit breakers, six (6) branch, rating: ≤ 16A, 10 kAIC Interrupt Rating

Physical

Dimensions: 69.0in tall x 3.25in wide x 2.25in deep [1753mm x 83mm 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

10/100/1000 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:

Safety (Listed & Certified, cTUVus mark)

UL 62368-1

CSA C22.2 No. 62368-1

EMC

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

CAN ICES-003, 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 = $\pm 1\%$ at 0.01 amp resolution (above 0.25 amp)

Voltage = $\pm 1\%$ at 0.1 volt resolution (nominal $\pm 10\%$)

Active Power = $\pm 1\%$ at 1 watt resolution

Apparent Power = $\pm 1\%$ at 1 volt-amp resolution

Power Factor = $\pm 3\%$ at 0.01 resolution

Crest Factor = $\pm 10\%$ at 0.1 resolution

Energy = $\pm 1\%$ at 0.1 kilowatt-hour resolution

Branch Measurement Accuracy

Current = $\pm 3\%$ at 0.01 amp resolution (above 0.5 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-PRO2LINK-01M or -01D provides ability to link (2) additional PRO2 units

KIT-SUS-01 StartUp Stick™ for rapid configuration

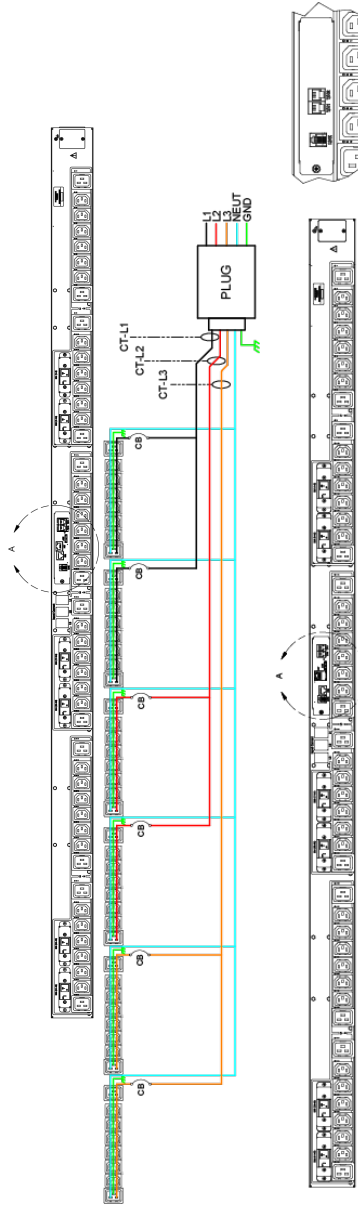
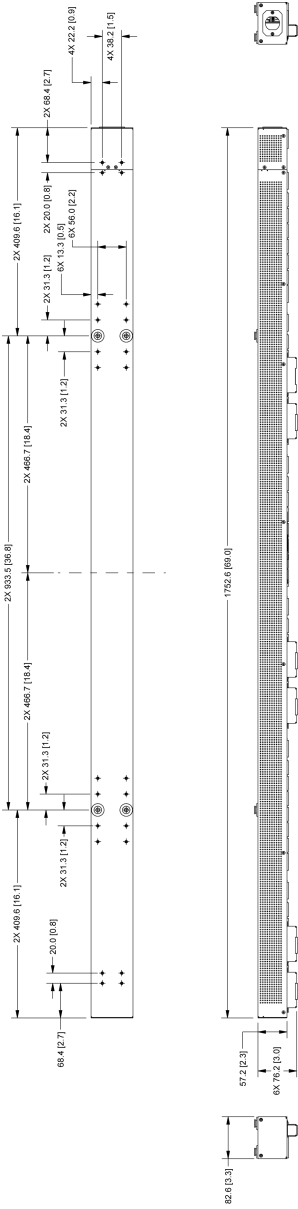
Mounting Brackets

- 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



Part Number	Quantity	Part Name	Part Description	Part Number	Part Description	Part Number	Part Description
C2-WBWA-4PDCMA1.0V4.5S10	1	4PDCMA1.0V4.5S10	4PDCMA1.0V4.5S10	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S15	1	4PDCMA1.0V4.5S15	4PDCMA1.0V4.5S15	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S20	1	4PDCMA1.0V4.5S20	4PDCMA1.0V4.5S20	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S25	1	4PDCMA1.0V4.5S25	4PDCMA1.0V4.5S25	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S30	1	4PDCMA1.0V4.5S30	4PDCMA1.0V4.5S30	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S35	1	4PDCMA1.0V4.5S35	4PDCMA1.0V4.5S35	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S40	1	4PDCMA1.0V4.5S40	4PDCMA1.0V4.5S40	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S45	1	4PDCMA1.0V4.5S45	4PDCMA1.0V4.5S45	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S50	1	4PDCMA1.0V4.5S50	4PDCMA1.0V4.5S50	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S55	1	4PDCMA1.0V4.5S55	4PDCMA1.0V4.5S55	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S60	1	4PDCMA1.0V4.5S60	4PDCMA1.0V4.5S60	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S65	1	4PDCMA1.0V4.5S65	4PDCMA1.0V4.5S65	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S70	1	4PDCMA1.0V4.5S70	4PDCMA1.0V4.5S70	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S75	1	4PDCMA1.0V4.5S75	4PDCMA1.0V4.5S75	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S80	1	4PDCMA1.0V4.5S80	4PDCMA1.0V4.5S80	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S85	1	4PDCMA1.0V4.5S85	4PDCMA1.0V4.5S85	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S90	1	4PDCMA1.0V4.5S90	4PDCMA1.0V4.5S90	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S95	1	4PDCMA1.0V4.5S95	4PDCMA1.0V4.5S95	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P
C2-WBWA-4PDCMA1.0V4.5S100	1	4PDCMA1.0V4.5S100	4PDCMA1.0V4.5S100	231-6009-3-PA	231-6009-3-PA	EC-60100-C1P	EC-60100-C1P

DETAIL A
C2X (SERV) EXPANSION VIEW

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

"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.

Information in this document is current as of time of publishing. Contact your Server Technology representative for the most up-to-date information. This datasheet was generated on: 22-Jul-2024

Interested in learning more about how Server Technology can help you manage and distribute power in your datacenter?
Visit us online at: www.servertech.com/products/

To contact an expert in your region, go to www.servertech.com/about-us/office-locations for more information.

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