

STV-4503K (Master)

SEV-4503K (Expansion)

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 “Master” 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.

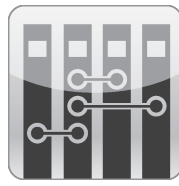
Key Features



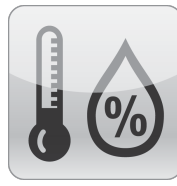
Network Monitoring



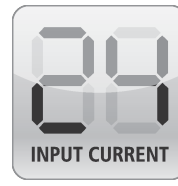
Hot-Swap Network Card



Star Multi-Linking



Temperature/
Humidity Monitoring



Auto-Flip Current
Display



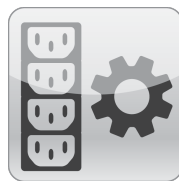
Per-Inlet Power
Sensing



Branch Current
Monitoring



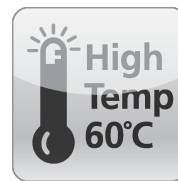
Branch Circuit
Protection



Outlet Control



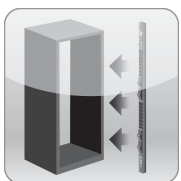
High Retention
Locking Outlets



High Temperature
Rating



Power Pivot™



Flexible Mounting



Color Identification



Cisco EnergyWise¹
Compliant

Inputs

Input Voltage: 400

Input Plug: 230/400V Wye 32A IEC 60309 3P+N+PE 6Hr

Input Current: 32

Input Current Rated: 32

Outputs

Connector: (24) x IEC 60320/C13

Global Rating (C13): ≤ 10A @230V L-N

Connector: (6) x IEC 60320/C19

Global Rating (C19): ≤ 16A @230V L-N

Locking outlets provide high-retention even for non-locking cords.

Branch Circuit Protection

UL489 compliant 1-pole, 20A trip circuit breakers, six (6) branches, rating: ≤ 16A @220-240V

Physical

Dimensions: 70.0 (1778.0 mm) tall x 2.2 (56.0 mm) wide x 2.25 (58.0 mm) deep

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, SSHv2, Telnet, SNMPv2c and v3 (GET, SET, Traps), IPv4 and IPv6, LDAPv3/LDAPS, TACACS+, RADIUS, FTP/SFTP

Certifications

Global:

TUV T-Mark to EN 60950-1:2006 + A11 + A1 + A12

EMC to EN 55022 Class A, EN 55024, CISPR 22 Class A

CE Mark

RoHS/WEEE

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-1-1 Combination Temperature/Humidity Probe, 10ft (3m)

EMCU-1-1B Environmental Monitor adding:

- Two (2) EMTH-1-1 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-STEYE-01 or -10 provides access to key metrics through Bluetooth

SPM (Sentry® Power Manager):

- Monitor and manage multiple PDUs from a single point
- Monitor and manage alarm conditions

- Create reports and trends on stored data
- Analyze power usage per phase
- Optional appliance or virtual version
- Vmware Ready2

Mounting Brackets

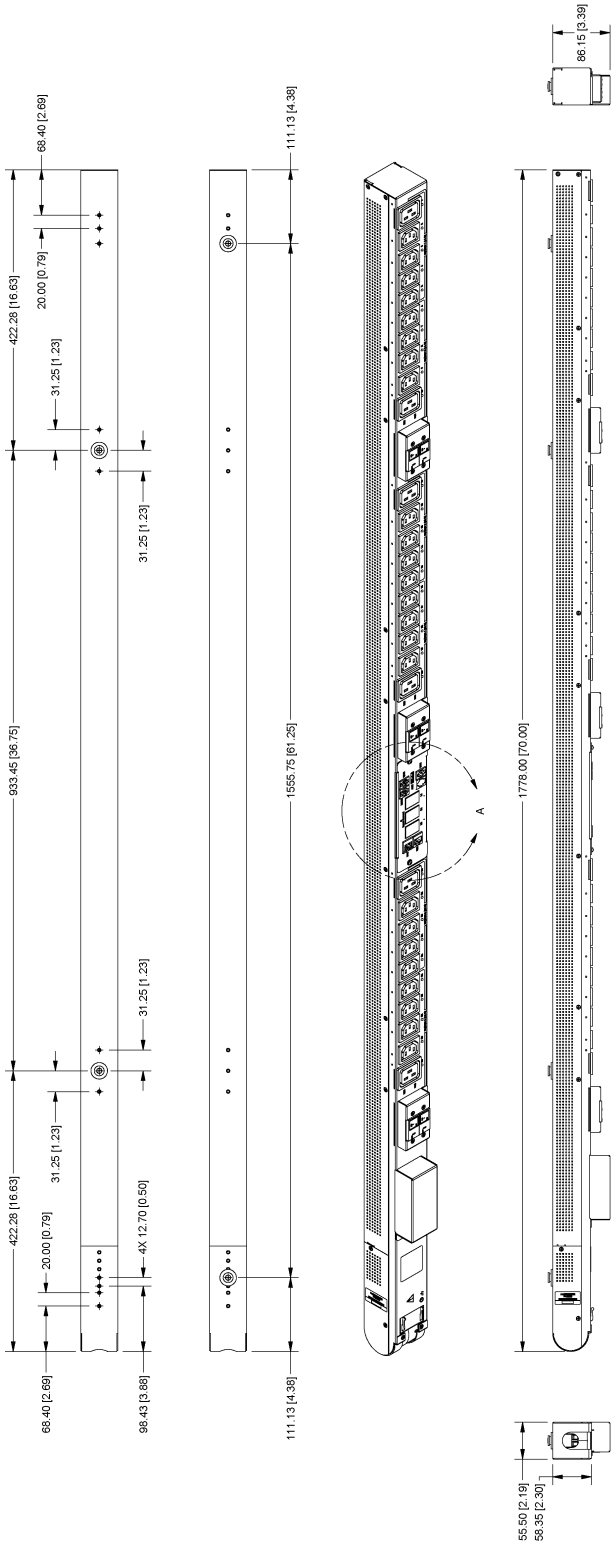
- Buttons (KIT-0020) included for tool-less mounting (see diagram)
- See the Mounting Bracket Guide for further suggestions
- Custom mounting options available. Contact your local Server Technology representative

Cable Retention Devices for non-locking cords

- Ezip
- Cable Sleeve

Drawings

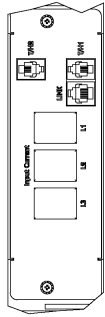
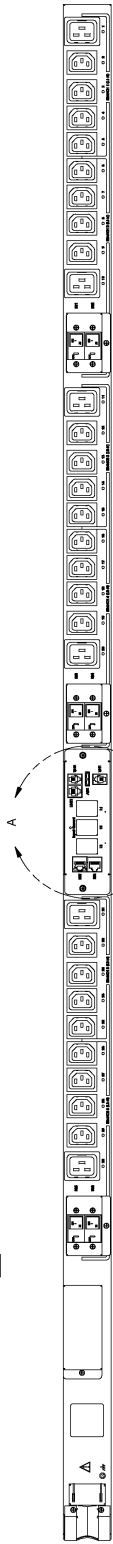
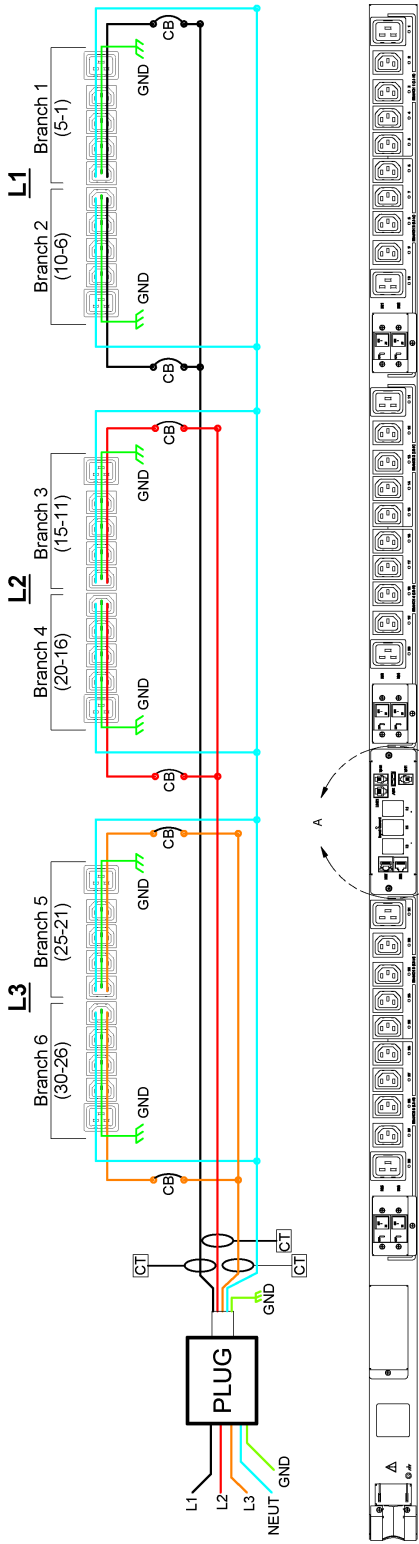
Mechanical Drawing



Electrical Drawing



DETAIL - A
"CL" LINKED VERSION



DETAIL A
 C2X EXPANSION UNIT

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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