C1W24VT-5BPA15AC (Primary)

C1X24VT-5BPA15AC (Link)

The Server Technology® PRO1 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 PRO1 Switched "Primary" PDU can be connected to as many as three (with optional module) PRO1 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 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.

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.

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.

Inputs

Input Voltage (V):	415
Frequency	50/60 Hz
Input Plug:	NEMA L22-30P
Input Current (A):	20
Input Current Rated (A):	16
Input Power Capacity (kW):	11.5

Outputs

Connector	Rating
(24) x IEC 60320/C13	North American Rating: ⩽ 12A @240V L-N (15A Peak)

Outlet #1 opposite 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, 5 kAIC Interrupt Rating

Physical

Dimensions: 69.0in tall x 1.75in wide x 3.5in deep [1753mm x 45mm x 89mm]

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: -22°F to 176°F / -30°C to 80°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 = ± 10% at 0.1 amp (0.3 - 9.9 amps) and 1 amp (> 9.9 amps) resolution
GUI Current = ± 1% at 0.01 amp resolution (above 0.25 amp)

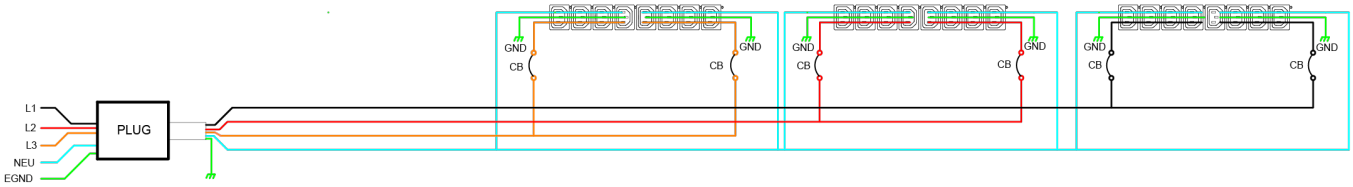
Voltage = ± 1% at 0.1 volt resolution (nominal ± 10%)
Active Power = ± 1% at 1 watt resolution
Apparent Power = ± 1% at 1 volt-amp resolution
Power Factor = ± 3% at 0.01 resolution
Crest Factor = ± 10% at 0.1 resolution
Energy = ± 1% at 0.1 kilowatt-hour resolution

Optional Accessories

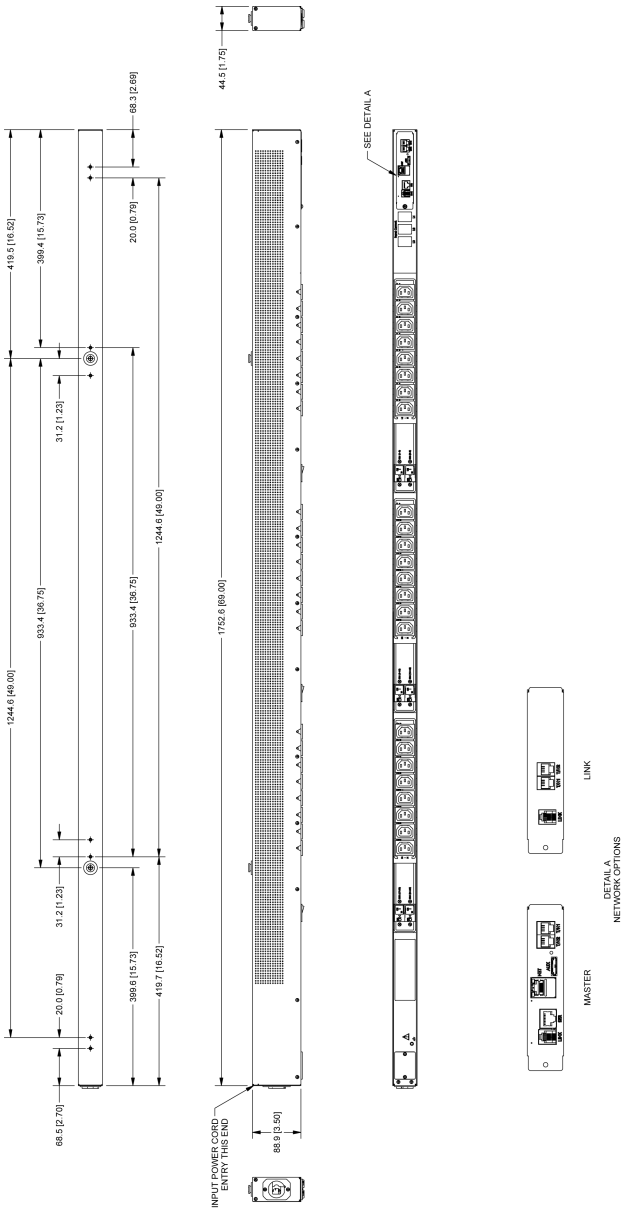
EMTH-2-10 Combination Temperature/Humidity Probe, 10ft (3m)
EMCU-1-1C Environmental Monitor adding:
- Two (2) EMTH-2-10 temperature/humidity ports (one probe included)
- One (1) EMWS-1-1 water sensor port (probe sold separately)
- Four (4) dry contact (NO/NC) monitoring points
- One (1) 8-bit analog-to-digital converter (0 to 5VDC)

KIT-SUS-01 StartUp Stick™ for rapid configurationMounting 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		Certification	Input		Output		
Master	Expansion	Rating Standard	Rating	Input Type	Total Output Rating	Outlet Type and Ratings	Branch Circuit Rating
C1W24VT-4NPA17AC	C1X24VT-4NPA17AC	TUVGS	230/400V 3P+N+PE, 50/60Hz; 16A	IEC 60309 16A	230V, 50/60Hz	IEC 60320: 12xC13 <= 10A each	6 branches, each <= 16A
C1W24VT-4PPA17AC	C1X24VT-4PPA17AC	TUVGS	230/400V 3P+N+PE, 50/60Hz; 32A	IEC 60309 32A	230V, 50/60Hz	IEC 60320: 12xC13 <= 10A each	6 branches, each <= 16A
C1W24VT-5BPA17AC	C1W24VT-5BPA17AC	UL/cUL	240/415V 3P+N+PE, 50/60Hz; 20A	NEMA L22-20P	240V, 50/60Hz	IEC 60320: 12xC13 <= 10A each	6 branches, each <= 16A
C1W24VT-5NPA17AC	C1X24VT-5NPA17AC	UL/cUL	240/415V 3P+N+PE, 50/60Hz; 20A	IEC 60309 20A	240V, 50/60Hz	IEC 60320: 12xC13 <= 10A each	6 branches, each <= 16A
C1W24VT-5PPA17AC	C1X24VT-5PPA17AC	UL/cUL	240/415V 3P+N+PE, 50/60Hz; 30A	IEC 60309 30A	240V, 50/60Hz	IEC 60320: 12xC13 <= 10A each	6 branches, each <= 16A
C1W24VT-5CPA17AC	C1W24VT-5CPA17AC	UL/cUL	240/415V 3P+N+PE, 50/60Hz; 30A	NEMA L22-30P	240V, 50/60Hz	IEC 60320: 12xC13 <= 10A each	6 branches, each <= 16A



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: 17-OCT-2026

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

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