C1W08HC-2PBA2BAC (Primary)

C1X08HC-2PBA2BAC (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.

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.

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.

Inputs

Input Voltage (V):	208
Frequency	50/60 Hz
Input Plug:	IEC 240V/30A 2P+PE 6Hr
Input Current (A):	30
Input Current Rated (A):	24
Input Power Capacity (kW):	5.0

Outputs

Connector	Rating
(8) x IEC 60320/C13	North American Rating: ⩽ 12A @208V L-L (15A Peak)

Branch Circuit Protection

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

Physical

Dimensions: 1.75in tall x 17.2in wide x 7.0in deep [45mm x 437mm x 178mm]

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 = ± 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

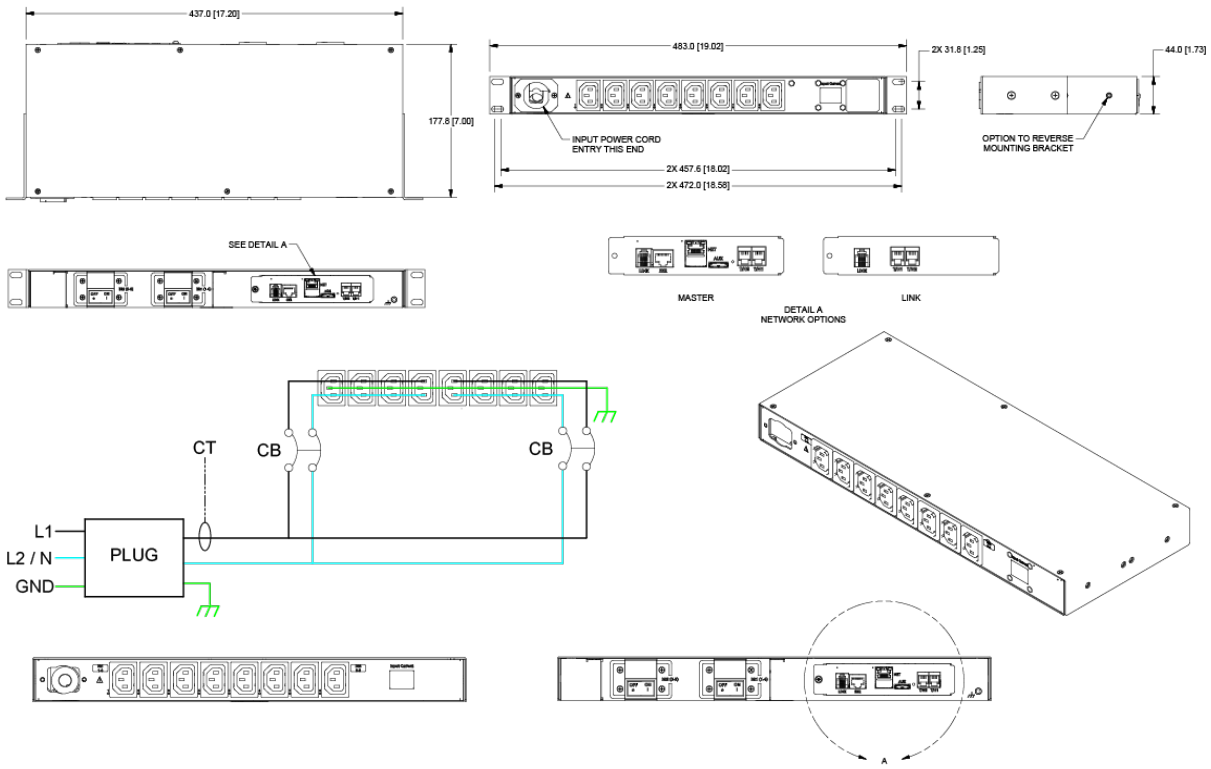
Apparent Power = ± 1% at 1 volt-amp resolution
Power Factor = ± 3% at 0.01 resolution
Crest Factor = ± 10% at 0.1 resolution
Energy = ± 1% at 0.1 kilowatt-hour resolution

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
- mounting brackets included
- 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		
Model	Expansion	Rating Standard	Rating	Input Type	Output Rating	Outlet Type and Ratings	Branch Circuit Rating
C1W08HC-2CBA2BAC	C1X08HC-2CBA2BAC	cTUVus and/or cULus	208-240V 2P+PE, 50/60Hz; 24A	NEMA L6-30P	240V, 50/60Hz; <=24A	IEC 60320: 10xC13 <=12A each	2 branches, each <= 16A
C1W08HC-0ABA2BAC	C1X08HC-0ABA2BAC	cTUVus and/or cULus	208-240V 2P+PE, 50/60Hz; 16A	IEC C20	240V, 50/60Hz; <=16A	IEC 60320: 10xC13 <=12A each	2 branches, each <=16A
		TUVT-Mark	230V 2P+PE, 50/60Hz; 16A	IEC C20	230V, 50/60Hz; <=16A	IEC 60320: 10xC13 <=10A each	
C1W08HC-EPBA2BAC	C1X08HC-EPBA2BAC	TUVT-Mark	230V 2P+PE, 50/60Hz; 32A	IEC 60309 32A	230V, 50/60Hz; <=32A	IEC 60320: 10xC13 <=10A each	2 branches, each <= 16A

DETAIL A
C1X 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: 26-Apr-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.

servertech.com ©2024 Legrand. All rights reserved. The industry-leading brands of Raritan, Server Technology, Starline, and Ortronics empower Legrand's Data, Power & Control to deliver innovative solutions for data centers, building networks, and facility infrastructures.