# C2W48TE-DCMFAM99 (Primary)

**C2X48TE-DCMFAM99 (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

**HDOT Cx Outlets**
Cx is the future-ready UL tested hybrid of a C13 and C19 outlet accommodating both C14 and C20 plugs.

**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.

**Alternating-Phase Outlets**
Evenly distributes multiple phases of power to each outlet for simplified load balancing, reduced cord lengths, and better airflow.

**Flexible Mounting**
Includes standard button mounts along with provisions for custom mounting brackets.

**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.

## Inputs

| | |
|---|---|
| Input Voltage (V): | 208 |
| Frequency | 50/60 Hz |
| Input Plug: | NEMA L15-30P |
| Input Current (A): | 30 |
| Input Current Rated (A): | 24 |
| Input Power Capacity (kW): | 8.6 |

## Outputs

| Connector | Rating |
|---|---|
| (30) x IEC 60320/C13 | North American Rating: ⩽ 12A @208V L-L (15A Peak) |
| (18) x Cx | North American Rating: ⩽ 16A @208V L-L (20A Peak) |

The Cx outlet has superior cable retention. Moderate force is required when plugging in a C14 or C20 connector to fully seat the plug and to ensure proper installation. An incorrectly installed plug will be loose and will not provide a reliable connection.

Outlet #1 opposite the power input

## Branch Circuit Protection

UL 489, CSA C22.2 No. 5 & IEC/EN 60947-2 Compliant 2-pole, 20A trip circuit breakers, three (3) branch, rating: ⩽ 16A, 10 kAIC Interrupt Rating

## Physical

Dimensions: 80.0in tall x 2.2in wide x 2.5in deep [2032mm x 56mm x 64mm]

## 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

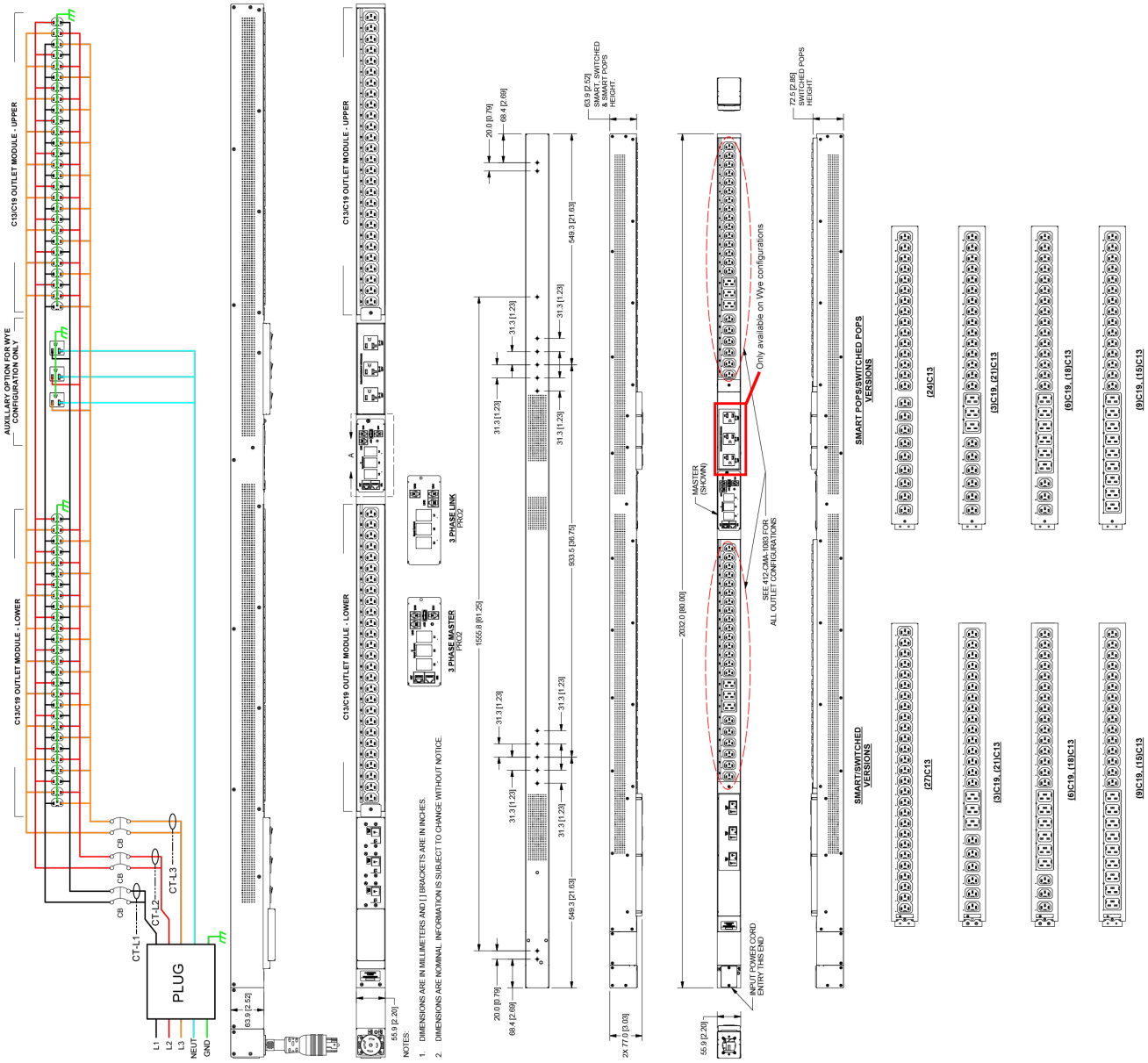
**Input Measurement Accuracy:**
LED Current = ± 10% at 0.1 amp (0.3 - 9.9 amps) and 1 amp (> 9.9 amps) resolution
GUI Current = ± 1% at 0.01 amp resolution (above 0.25 amp)
Voltage = ± 1% at 0.1 volt resolution (nominal ± 10%)
Active Power = ± 1% at 1 watt resolution
Apparent Power = ± 1% at 1 volt-amp resolution
Power Factor = ± 3% at 0.01 resolution
Crest Factor = ± 10% at 0.1 resolution
Energy = ± 1% at 0.1 kilowatt-hour resolution

**Branch Measurement Accuracy**
Current = ± 3% at 0.01 amp resolution (above 0.5 amp)

## Optional Accessories

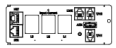
EMTH-2-10 Combination Temperature/Humidity Probe, 10ft (3m)
EMCU-1-1C Environmental Monitor adding:
- Two (2) EMTH-2-10 temperature/humidity ports (one probe included)
- One (1) EMWS-1-1 water sensor port (probe sold separately)
- Four (4) dry contact (NO/NC) monitoring points
- One (1) 8-bit analog-to-digital converter (0 to 5VDC)
KIT-PRO2LINK-01M or -01D provides ability to link (2) additional PRO2 units
KIT-SUS-01 StartUp Stick™ for rapid 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

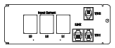

AUXILLARY OPTION FOR WYE CONFIGURATION ONLY
C13/C19 OUTLET MODULE - UPPER
C13/C19 OUTLET MODULE - LOWER
CT-L1
CT-L2
CT-L3
CB
PLUG
L1
L2
L3
NEUT
GND
63.9 [2.52]
55.9 [2.20]
NOTES:
1. DIMENSIONS ARE IN MILLIMETERS AND [ ] BRACKETS ARE IN INCHES.
2. DIMENSIONS ARE NOMINAL. INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.
3 PHASE MASTER
PRO2
3 PHASE LINK
PRO2
20.0 [0.79]
68.4 [2.69]
31.3 [1.23]
549.3 [21.63]
1656.8 [61.25]
933.5 [36.75]
63.9 [2.52]
SMART, SWITCHED & SMART POPS HEIGHT
2X 77.0 [3.03]
2032.0 [80.00]
MASTER (SHOWN)
SEE 412-CMA-1683 FOR ALL OUTLET CONFIGURATIONS
Only available on Wye configurations
INPUT POWER CORD ENTRY / INLET
55.9 [2.20]
72.5 [2.85]
SWITCHED POPS HEIGHT
SMART POPS/SWITCHED POPS VERSIONS
SMART/SWITCHED VERSIONS
(27)C13
(24)C13
(3)C19, (21)C13
(6)C19, (18)C13
(9)C19, (15)C13

NOTES:

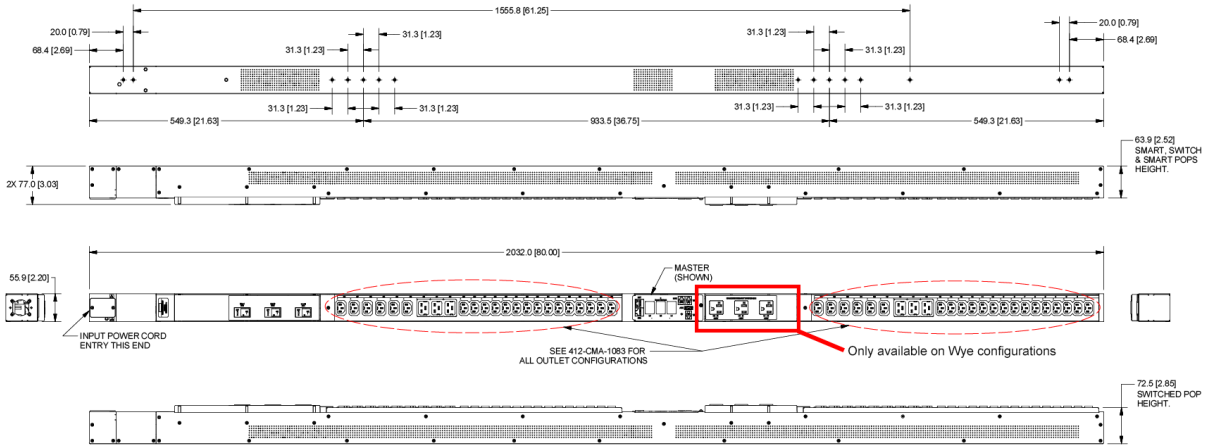
1. DIMENSIONS ARE IN MILLIMETERS AND [ ] BRACKETS ARE IN INCHES.
2. DIMENSIONS ARE NOMINAL. INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.



**3 PHASE MASTER**
PRO2



**3 PHASE LINK**
PRO2




**SMART/SWITCHED VERSIONS**

**(27)C13**

**(9)CX, (15)C13**

**SMART POPS/SWITCHED POPS VERSIONS**

**(9)CX, (15)C13**

## 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: 4-SEP-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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