

Server Technology's PRO4X Switched POPS PDUs run on our state-of-the-art Xerus network interface platform and provide remote access to power, PDU status, input, outlet and branch current monitoring, and outlet on/off control. The PDU features RamLock, a self-locking mechanism to prevent accidental cord disconnects, and our award-winning HDOT Cx outlets that can be deployed as either a C13 or C19. Switched POPS PDUs are secured with strong configurable password, active directory, 256-bit AES encryption, SSH, SSL and HTTPS support. SNMP traps provide automated alerts on power and environmental conditions from Legrand's plug-and-play environmental monitoring sensors like temperature, humidity, water, dry contact closure, airflow, air pressure differential, and more.

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.



45 Degree Angled Infeed

The angled infeed improves accessibility, provides infeed strain relief, and its bend radius is suitable with 60A rated cords.



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.



Multi-Unit Linking & Cascading

Daisy chain up to 16 PDUs from a primary PDU using a USB or Ethernet connection through a single IP address.



Multi-Color LCD

An easy-to-read LCD provides a local indication of power usage, alerts, and alarms.



Hot Swappable Controller

The Controller is the PDU's center of intelligence and houses computing, display, and connectivity ports.



Power Quality Measurements

Monitor and alert on the power being fed to the PDU for harmonics, voltage dips and swells, crest factor, and more at the outlet or load.



RGB LED Outlet Indicators

RGB LEDs identify an outlet's on/off state, if it's above/below a certain power threshold, or if it's in suspect of a power measurement irregularity.



Waveform Capture

Capture voltage and current waveforms automatically or upon demand.



RamLock Locking Outlets

A mechanical locking mechanism built to secure the broadest range of C14 and C20 plugs in place.



Environmental Monitoring

Support up to 12 daisy chained DX2-series SmartSensors, each with the ability to send 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.



Per-Outlet Power Sensing

POPS® (Per Outlet Power Sensing) Monitors Current Load (A), Voltage (V), Power (W), Apparent Power (VA), Crest Factor, Power Factor, and Energy per outlet.



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.



Outlet Control

On Switched PDUs, cycle power to individual outlets or groups of outlets to reboot servers, or power off unused receptacles.



Alternating-Phase Outlets

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



High Temperature Rating

This product has been tested and approved for safe and reliable operation in 60 °C data center environments.



Flexible Mounting

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



Universal Input

A one-size-fits-all universal infeed that accommodates single-phase and three-phase Legrand Universal Input cord options for the same PDU, providing flexibility in rack power deployment.



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):	Defined by Universal Input Cord
Frequency	50/60 Hz
Input Plug:	Legrand Universal Connector
Input Current (A):	Defined by Universal Input Cord
Input Current Rated (A):	Defined by Universal Input Cord
Input Power Capacity (kW):	Defined by Universal Input Cord

Outputs

Connector	Rating
(12) x IEC 60320/C13	North American Rating: ≤ 12A @208V L-N (15A Peak) Global Rating: ≤ 10A @230V L-N
(24) x Cx	North American Rating: ≤ 16A @208V L-N (20A Peak) Global Rating: ≤ 16A @230V L-N

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

Universal Input Cord Options

Part Number	Plug Type	Rating	kVA / kW	Region
1-Phase Cord Options				
DTCORD-L630	NEMA L6-30P	200-240V / 24A	4.8 - 5.8	North America
DTCORD-1P32	IEC60309 32A	200-240V / 32A	6.4 - 7.7	Europe
DTCORD-1P3G	IEC60309 30/32A	200-240V / 24A	4.8 - 5.8	Global
DTCORD-1P3G †	IEC60309 30/32A	200-240V / 32A	6.4 - 7.7	Global
DTCORD-1P60	IEC60309 60A	200-240V / 48A	9.6 - 11.5	North America
3-Phase Delta Cord Options				
DTCORD-L1530	NEMA L15-30P Delta	208-240V / 24A	8.6 - 10	North America
DTCORD-CS836	CS8365C Delta	208-240V / 40A	14.4 - 16.6	North America
DTCORD-3P60	IEC60309 60A 3P Delta	208-240V / 48A	17.3 - 20	North America
3-Phase Wye Cord Options				
DTCORD-L213D	NEMA L21-30P Wye	190-208V / 24A	7.9 - 8.6	North America
DTCORD-L2230	NEMA L22-30P Wye	346-415V / 24A	14.4 - 17.3	North America
DTCORD-3P32	IEC60309 32A 3PY Wye	346-415V / 32A	19.2 - 23	Europe
DTCORD-3P3G	IEC60309 30/32A 3PY Wye	346-415V / 24A	14.4 - 17.3	Global
DTCORD-3P3G †	IEC60309 30/32A 3PY Wye	346-415V / 32A	19.2 - 23.0	Global

Resulting PDU capacity determined by its nominal ratings and number of internal circuit breakers.

† Denotes a dual-rated cord.

Standard 3m cord length.

Legrand Universal Input Cords are sold as separate part numbers. Additional cords can be ordered at any time

Branch Circuit Protection

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

Physical

Dimensions: 70.0in tall x 2.2in wide x 2.5in deep [1778mm x 56mm x 64mm]

Environmental

Operating Environment: 32°F to 140°F / 0°C to 60°C | 5% RH to 90% RH non-condensing | < 3000M / 10,000 ft. elevation

Storage Environment: -22°F to 176°F / -30°C to 80°C | 20% RH to 90% RH non-condensing | < 15,000M / 50,000 ft. elevation

Quiescent / Unloaded Power Draw: < 7W for all configurations

Communications & Security

Dual Ethernet, Two (2) 10/100/1000 Mbps (Cat5e/6 connector), Optional Wi-Fi (802.11 a/b/g/n) One (1) Sensor port (RJ45), One (1) PDU Link (RJ45), Two (2) USB-A (5V / 500 mA), and One (1) USB-B

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

Global:

Safety

EN IEC 62368-1 (TUV certified, T-mark)

IEC 62368-1 incl. regional, national and harmonized differences (IECEE CB scheme) EMC

EMC

EN 55032 / CISPR 32

EN 55035 / CISPR 35

EN 61000-3-2 / IEC 61000-3-2

EN 61000-3-3 / IEC 61000-3-3

CE Mark

2011/65/EU (RoHS Directive)

2014/35/EU (Low Voltage Directive)

2014/30/EU (EMC Directive)

UKCA Mark

RoHS

Electrical Equipment (Safety)

Electromagnetic Compatibility

Measurement Accuracy

Input Measurement Accuracy:

LCD Current = $\pm 0.2\%$ at 0.01 amp resolution

GUI Current = $\pm 0.2\%$ at 0.01 amp resolution

Voltage = $\pm 0.2\%$ at 0.1 volt resolution

Neutral Voltage = $\pm 1\%$ at 0.1 volt resolution

Neutral Current = $\pm 0.5\%$ at 1% FS resolution (FS is PDU ampere rating)

Active Power = $\pm 0.5\%$ at 1 watt resolution

Apparent Power = $\pm 0.5\%$ at 1 volt-amp resolution

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

Power Factor = $\pm 1\%$ at 0.01 resolution

Crest Factor = $\pm 1\%$ at 0.1 resolution

Active Energy = $\pm 0.5\%$ at 0.1 kilowatt-hour resolution

Apparent Energy = $\pm 0.5\%$ at 0.1 kilo volt ampere hour resolution

Reactive Energy = $\pm 1.0\%$ at 0.1 kilo volt ampere reactive hour resolution

Voltage Total Harmonic Distortion = 1.0%

Current Total Harmonic Distortion = 5.0%

Output Measurement Accuracy:

LCD Current = $\pm 0.2\%$ at 0.01 amp resolution

GUI Current = $\pm 0.2\%$ at 0.01 amp resolution

Voltage = $\pm 0.2\%$ at 0.1 volt resolution

Active Power = $\pm 0.5\%$ at 1 watt resolution

Apparent Power = $\pm 0.5\%$ at 1 volt-amp resolution

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

Power Factor = $\pm 1\%$ at 0.01 resolution

Crest Factor = $\pm 1\%$ at 0.1 resolution

Active Energy = $\pm 0.5\%$ at 0.1 kilowatt-hour resolution

Reactive Energy = $\pm 1.0\%$ at 0.1 kilo volt ampere reactive hour resolution

Voltage Total Harmonic Distortion = 1.0%

Current Total Harmonic Distortion = 5.0%

Branch Measurement Accuracy:

Current = ± 1% at 0.01 amp resolution

Optional Accessories

PDU Linking/Cascading uses standard RJ45 cables.

Button Mounts (KIT-0020) are included with vertical PDUs for tool-less mounting (see diagram).

Horizontal PDUs will include a set of RU mounting brackets. See the Mounting Bracket Guide for further suggestions.

USB Dongle Accessories*:

WI-FI Access (DX2-WIFI-USB)

KVM and Serial Access (DSER-PWR-USB-G4, DKX3-PWR-USB-G4, DSER-CLI-USB-G4)

Legrand SmartSensors*:

Temperature (DX2-T1)

Temperature and Humidity (DX2-T1H1, DX2-T2H2, DX2-T3H1)

Temperature and Differential Air Pressure (DX2-T1DP1)

Airflow (DX2-AF1)

Dust/Particles (DX2-PS)

Water/Leak Floor (DX2-WSF-35-KIT, DX2-WSF-70-KIT, DX2-WSF-100-KIT)

Water/Leak Rope (DX2-WSC-35-KIT, DX2-WSC-70-KIT, DX2-WSC-100-KIT)

Dry Contact (DX2-D2)

Dry Contact/Contact Closure (DX2-D2C6)

Powered Dry Contact (DX2-PD2)

Powered Dry Contact/Contact Closure (DX2-PD2C5)

Contact Closure (DX2-CC2)

Proximity/Motion and Tamper (DX2-PIR)

Vibration (DX2-VBR)

Sensor Hub (DX2-ENVHUB4)

Legrand SmartLock*:

Intelligent Door Sensor (DX2-DH2C2)

Supports multiple low- and high-frequency door handles.

Legrand Asset Management*:

Asset Management Sensor Strip for 42U rack (AMS2-42)

Asset Management Sensor Strip for 45U rack (AMS2-45)

Asset Management Sensor Strip for 48U rack (AMS2-48)

Asset Management Sensor Strip for 54U rack (AMS2-54)

*Connecting certain accessories may require a firmware update. Accessories are sold separately.

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.

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