

DPoE™ Power Patch Panels

specifications

The panels shall comply with IEEE 802.3af and Cisco[^] Inline Protocol (CIP) to provide power to compliant devices. The panels shall provide 12 or 24 RJ45 ports to accommodate incoming data connectivity. A status LED above each port shall designate when the port is actively supplying power. An additional front panel LED shall indicate overall panel status. Labeling sections above each of six ports shall accommodate TIA-606-A compliant labeling. Rear 110 punchdown connections shall supply 48 volt DC power on pairs (4, 5) and (7, 8) and data on pairs (1, 2) and (3, 6). Two RJ45 ports on the rear shall allow for network connectivity and management.



technical information

Dimension:	1.75"H x 19.0"W x 5.25"D (43.7mm x 482.6mm x 133.4mm), 1 RU
Weight:	24-port: 5 lbs. (2.27kg.) 12-port: 5 lbs. (2.27kg.)
Mounting:	Mounts to standard EIA 19" rack
Input voltage:	46 – 57 VDC (via separate power source)
Packaging:	Includes mounting screws, installation instructions, <i>ULTIMATE ID</i> ® Labels and covers, ground strap, 20" power pigtail assembly and <i>DPoE</i> ™ Element Manager Software

key features and benefits

Innovative design	PoE power via a data patch panel; lower cost to implement; double the density of competitive solutions that require two rack spaces
48 volt DC power	Supports redundant power and accommodates 48 volt DC IEEE 802.3af-2003 and Cisco [^] power schemes; simplifies deployment and provides greater user flexibility
Increased reliability	Calculated MTBF (Mean Time Between Failures) of greater than 25 years means greater network uptime
Multi-colored LEDs	Provide an easy way to view and manage powering of each port
Remote network management	Supports SNMP V2c; requires only a single switch port per location/closet; supports both DHCP and static IP assignment; ability to run, out of the box, without a network connection or complex setup

applications

The *DPoE*™ Power Patch Panels provide a dependable, cost effective solution for capitalizing on the full opportunities of convergence and PoE. IP telephones, network security cameras and wireless access devices need to be powered like any other network device. These devices are often deployed in locations where an available power source is not readily accessible. Supplying managed power through the data cabling is therefore an attractive alternative. By using the *PANDUIT*® *DPoE*™ Power Patch Panels, customers save valuable rack space, lower their

implementation costs and reap long term benefits from lower operating expenses and greater reliability. The *DPoE*™ Power Patch Panels can be used in place of current patch panels to inject PoE power in an existing network infrastructure. This solution requires only one rack space compared to midspan solutions that require two rack spaces. The *DPoE*™ Power Patch Panels offer a power efficient alternative to both midspan and endspan devices for injecting PoE power into the network.

[^]Cisco is a registered trademark of Cisco Technology, Inc.

DPoE™ Power Patch Panels

24-port 1 GbE panel:	DPOE24U1XG
24-port shielded panel:	DPOE24S1XY
24-port panel:	DPOE24U1XY
12-port panel:	DPOE12U1XY

DPoE™ Compact 8 Midspan

8-port power midspan:	DPOE8S2XG
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DPoE™ Compact 8 Midspan Accessories

Wall mount bracket for DPOE8S2XG: DPOEWM8B

1 RU shelf for DPOE8S2XG: DPOESHelf

Modular 8-port passive module*: DPOEPL8BU

*Requires *Mini-COM*® Jacks, such as *PANDUIT* parts CJ688TGIW, CC5E88IW, CMDSAQLCZBL or CMBRS485BU.

DPoE™ Power System

1 RU unmanaged chassis:	DPOEPWRCU
500 watt power rectifier:	DPOEPWRR500
1250 watt power rectifier:	DPOEPWRR1250
7.5A replacement fuses (8):	DPOEPWRF7.5

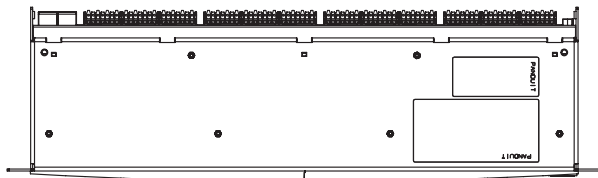
DPoE™ 120 Watt Power Supply

Power supply:	DPOEPWRB120Y
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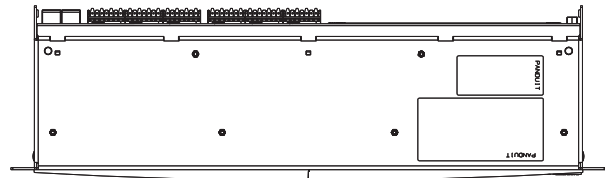
Power Cords

U.S.A.:	CORD-S15
Japan:	CORD-J15
Australia:	CORD-A
Europe:	CORD-E
United Kingdom:	CORD-U

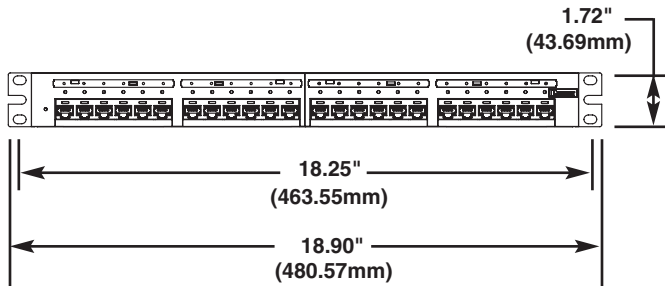
DPOE™ Power Patch Panel



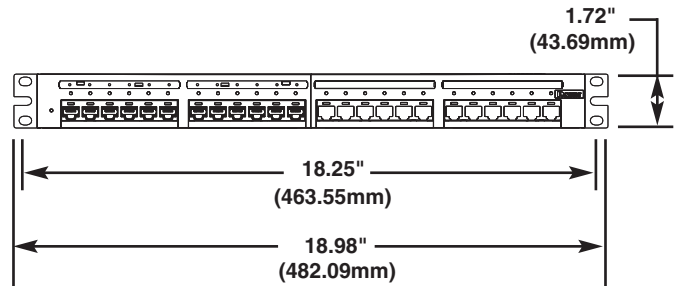
Top View
DPOE24U1X



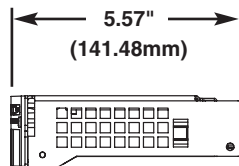
Top View
DPOE12U1X



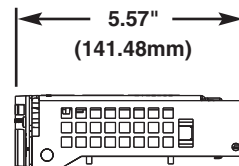
Front View
DPOE24U1X



Front View
DPOE12U1X



Right View
DPOE24U1X



Right View
DPOE12U1X

DPOE™ Power Patch Panel Test Data

Environmental Testing	
Operating Temperature (ambient)	32° to 104°F (0° to 40°C)
Operating Humidity	Up to 90%, non-condensing
Storage Temperature	-4° to 158°F (-20° to 70°C)
Storage Humidity	Up to 95%, non-condensing
Operating Altitude	-1,000 to 10,000' (-304.8 to 3,048M)
Regulatory Compliance	
Designed to meet all international requirements	CE, VCCI, FCC, TUV, ACA (NOM for 24 port only)
Electromagnetic Compatibility	
Designed to meet all international requirements	FCC Part 15, Class A EN55022 (CISPR 22), Class A EN55024 (CISPR 24)
Safety Approvals	
Designed to meet all international requirements	EN-60950, IEC-60950

Dimensions are in inches (Dimensions in parentheses are metric)

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