

DPoE™ 1Gig™ Power Patch Panel

specifications

The panel shall comply with IEEE 802.3af and to provide power to compliant devices, while supporting 1 GbE data throughput for higher bandwidth connections. The panel shall provide 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 accommodate TIA 568A and TIA 568B wiremap and 48 VDC power output on pairs (1, 2) and (3, 6) and data on all pairs. Two RJ45 ports in 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. (2.27 kg.) 12-port: 5 lbs. (2.27 kg.)
Mounting:	Mounts to standard EIA 19" rack
Input voltage:	46 – 57 VDC (via separate power source)
Packaging:	Includes mounting screws, installation instructions, punchdown template, Ultimate ID® Labels with covers, ground strap, 120" (3048.0mm) power pigtail assembly and DPoE™ Element Manager Software

key features and benefits

1 GbE throughput	Supports higher data rates, allowing network design flexibility for future Powered Devices (PDs)
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 VDC power	Supports redundant power and accommodates 48 VDC IEEE 802.3af-2003; simplifies deployment and provides greater user flexibility
Increased reliability	Calculated MTBF (Mean Time Between Failures) of greater than 25 years provides greater network uptime
Multi-colored LEDs	Provide an easy way to view and manage powering of each port
Remote network management	Supports SNMP V1/V2c/V3; 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™ 1Gig™ Power Patch Panel provides 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 Panel, customers save valuable rack space, lower their implementation costs and reap long term benefits from lower operating expenses and greater reliability. This solution requires only one rack space compared to other solutions that require multiple rack spaces. The DPoE™ Power Patch Panel offer a power efficient alternative to both midspan and endspan devices for injecting PoE power into new or existing networks.

DPoE™ Power Patch Panel

24-port
1 GbE panel: DPOE24U1XG

DPoE™ Compact 8 Midspan

8-port power
midspan: DPOE8S2XG

DPoE™ Compact 8 Midspan Accessories

Wall mount bracket
for DPOE8S2XG: DPOEWM8B

1 RU shelf for
DPOE8S2XG: DPOESHLEF

Modular 8-port
passive module*: DPOEPL8BU

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

DPoE™ Power System

1 RU
power chassis: DPOEPWRCU

1250 W
power rectifier: DPOEPWRR1250

7.5A replacement
fuses (8): DPOEPWRF7.5

DPoE™ 120 W Power Supply

Power supply: DPOEPWRB120Y

Power Cords

U.S.A.: CORD-S15

Japan: CORD-J15

Australia: CORD-A

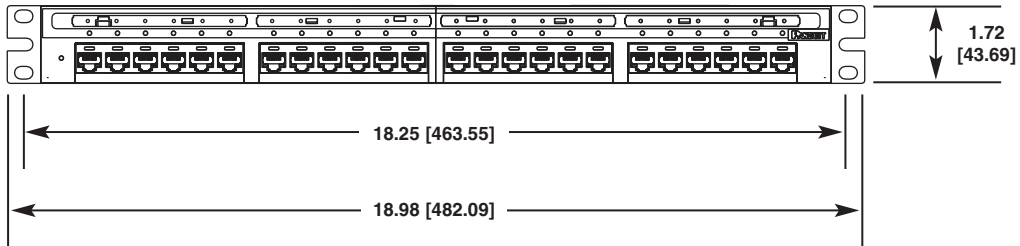
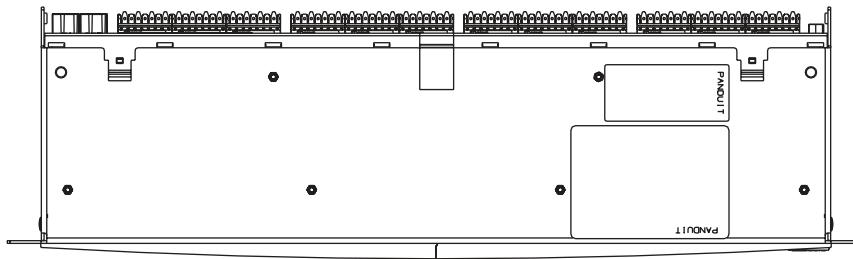
Europe: CORD-E

United Kingdom: CORD-U

DPoE™ 1Gig™ Power Patch Panel

DPoE™ 1Gig™ Power Patch Panel Test Data

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



Dimensions are in inches [Dimensions in brackets are metric]

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6/2009

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