# DPoE™ Shielded Power Patch Panel

PANDUIT®

SPECIFICATION SHEET

## specifications

The panel shall comply with IEEE 802.3af and Cisco^ Inline Protocol (CIP) to provide power to compliant devices. The panel shielding shall maintain immunity to electromagnetic and radio frequency interference by being designed for optimum shielding effectiveness conforming to specification EN-50029-1-14: 2004 for Class B devices. 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 punch down connections shall supply 48 VDC power on pairs (4,5) and (7,8) and data on pairs (1,2) and (3,6). Two RJ45 ports on rear provide network connectivity and management.

## technical information

| | |
|---|---|
| ***Dimension:*** | 1.75"H x 19"W x 6.7"D (44.4mm x 482.6mm x 170.18mm) |
| ***Weight:*** | 2.49 kg./5.5 lbs. |
| ***Mounting:*** | 1 RU, Mounts to standard EIA 482.6mm (19") rack |
| ***Input voltage:*** | 46 – 57 VDC (via separate power source) |
| ***Packaging:*** | Includes mounting screws, installation instructions, *ULTIMATE ID*® Labels with covers, ground strap, 20" power pigtail assembly and *DPoE*™ Element Manager Software |

## key features and benefits

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|---|---|
| ***Innovative design*** | PoE power via a data patch panel; lower cost to implement and 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 means greater network uptime |
| ***Shielded design*** | Designed for optimum shielding effectiveness conforming to specification EN-50029-1-14: 2004 for Class B devices |
| ***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, and supports both DHCP and static IP assignment; ability to run, out of the box, without a network connection or complex setup |

## applications

The *DPoE*™ Shielded Power Patch Panel provides a dependable, cost effective solution for capitalizing on the full opportunities of convergence and PoE in networks that require immunity to electromagnetic and radio frequency interference. 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*™ Shielded Power Patch Panel, customers save valuable rack space, lower their implementation costs, and reap long term benefits from lower operating expenses and greater reliability. The *DPoE*™ Shielded Power Patch Panel 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*™ Shielded Power Patch Panel offers 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

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|---|---|
| ***8-port power midspan:*** | DPOE8S2XG |

### 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 Systems

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

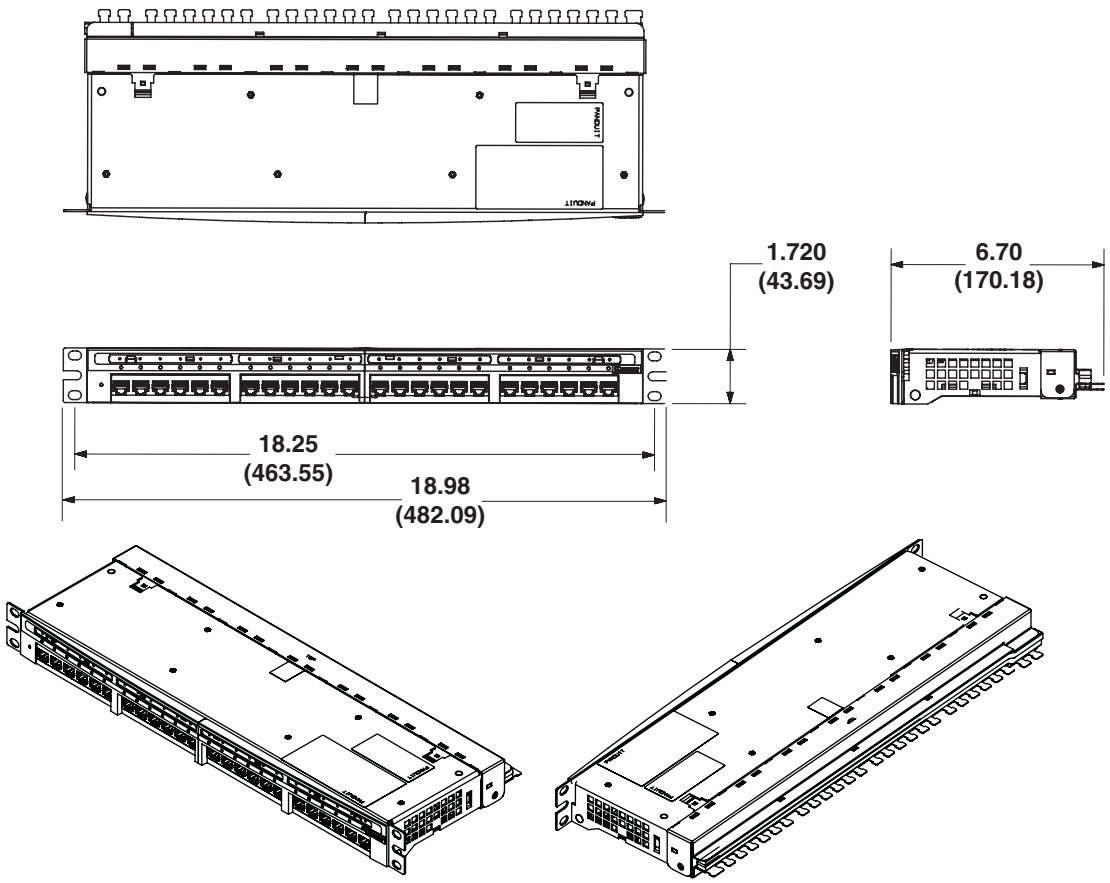
### DPoE™ 120 W Power Supply

| | |
|---|---|
| ***Power supply:*** | DPOEPWRB120Y |

### Power Cords

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

# DPoE™ Shielded Power Patch Panel




## DPoE™ Shielded Power Patch Panel Test Data

| Environmental Testing | |
|---|---|
| Operating Temperature (ambient) | 0°C – 40°C (32°F – 104°F) |
| Operating Humidity | Up to 90%, non-condensing |
| Storage Temperature | -20°C – 70°C (-4°F – 158°F) |
| Storage Humidity | Up to 90%, non-condensing |
| Operating Altitude | -304.8 – 3,048 (-1,000' – 10,000') |
| **Regulatory Compliance** | |
| Designed to meet all international requirements | CE, VCCI, FCC, TUV, ACA (NOM for 24-port), RoHS |
| **Electromagnetic Compatibility** | |
| Designed to meet all international requirements | Class A EN-55022 (CISPR 22),<br>Class A EN-55024 (CISPR 24), FCC Part 15,<br>EN-50029-1-14:2004 |
| **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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