

PoE Powered Hardened Mini 10/100/1000Base-T (RJ-45) to 100/1000Base-X Open SFP Slot



Direct Attach Cables / Active Optical Cables

A simple to install, cost-effective and interoperable solution

Often used for data center short-reach interconnects, Direct Attach, Active Copper and Active Optical Cables are an indispensable part of any network.

Terminated with transceiver-style connectors, they are designed to be used in the same ports as a typical SFP+ or QSFP transceiver, with no need for adapters or converters. Our DAC and AOC cables offer compatibility with a huge range of vendors, enabling the connectivity you need within the Top of Rack and End of Row environments.

- 10G, 25G, 40G & 100G product solutions
- Seamless interoperability with network equipment
- Multi-code options enabling different OEM vendors at each end of the cable
- 4x breakout cables, 40G QSFP+ to 4x 10G SFP and 100G QSFP28 to 4x 25G SFP28
- Fast Delivery, Custom solutions
- Compatible with Over 90 Systems
- Savings of up to 70%



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The M/GE-ISW-SFP-01-PD is a hardened Gigabit Ethernet Mini media converter that provides a cost effective media conversion between 10/100/1000Base-T ports and 100/1000Base-X ports for hardened or outdoor 10/100/1000 environments. The device is powered through the RJ-45 copper port in compliance with IEEE 802.3af standards, when connected to power sourcing equipment, meaning no separate power connection is required. With its supported operating temperature range of -40°C to +75°C, the Mini offers a space saving alternative for converting copper to fiber in extreme environments.

Features

- IEEE 802.3af PD Power Input from RJ-45 TP interface
- Unit & Port LEDs allow for quick status information
- Auto-Negotiation
- Fixed Full-Duplex on Fiber
- Auto-MDI/MDIX on copper port
- Active Link Pass Through
- Jumbo Frame (up to 10240 bytes)
- DIN Rail clip and Velcro included

Technical Data

Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3z
- IEEE 802.3x
- IEEE 802.3af

Data Rate

- 10/100/1000 Mbps

Max Frame Size

- 10240 bytes

Status LEDs

- PWR (Power): (below RJ-45) ON = Lit for normal operation
- FX-Link/Act (Fiber Link/Activity): (Upper Left on RJ-45) On = link; Flashing = Activity
- TX-Link/Act (Copper Link/Activity): (Upper Right on RJ-45) On = link; Flashing = Activity

Dimensions

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- Width: 1.8" [46 mm]
- Depth: 3.3" [85 mm]
- Height: 0.85" [22 mm]

Power Consumption

- 1.8 Watts

Power Input

- IEEE 802.3af supplied through TP RJ-45

PoE

- Class 1 Powered Device (0.44 Watts – 3.84 Watts)

Environment

- Operating: -40°C to +75°C
- Storage: -40°C to +85°C
- Humidity: 5% to 95% (non-condensing)
- Altitude: 0 – 10,000 ft.

Weight

- 0.40 lbs. [0.18 kg]

MTBF

- Greater than 225,000 Hours (MIL-HDBK-217F)
- Greater than 618,750 Hours (Bellcore)

Certifications

- FCC Class A, CISPR22/EN55022 Class A, EN55024, CE Mark

Warranty

- Lifetime

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Product variants & accessories

Art.-No.	Description
M/GE-ISW-SFP-01-PD	PoE Powered Hardened Mini 10/100/1000Base-T (RJ-45) to 100/1000Base-X Open SFP Slot