

## Hardened Mini Powered Device Gigabit Ethernet Media Converter 10/100/1000Base-T to 1000Base-X

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.



M/GE-ISW-SFP-01-PD

### Key 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

### Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3z IEEE 802.3x IEEE 802.3af
Max Frame Size	10240 bytes
Status LEDs	PWR (Power): ON = Lit for normal operation FX-Link/Act (Fiber Link/Activity): On = link; Flashing = Activity TX-Link/Act (Copper Link/Activity): On = link; Flashing = Activity
Dimensions	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 Power Classification	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

### Ordering Information

**M/GE-ISW-SFP-01-PD**  
PoE Powered Hardened Mini  
10/100/1000Base-T (RJ-45) to  
100/1000Base-X Open SFP Slot

### Optional Accessories (sold separately)

**SFP Modules**  
Supports Hardened Grade SFP Modules