



Industrial Gigabit Media Converter and PoE+ Injector

10/100/1000Base-TX to SFP Slot, PoE Injector Function, 30 W, IEEE 802.3at/af Compliant, IP40-rated Metal Housing, DIN-rail Mount

Part No.: **508988**

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Industrial Media Converter and PoE Injector in one - expand your existing network in harsh industrial environments

The Intellinet Network Solutions Industrial Gigabit Media Converter and PoE+ Injector offers the network designer a device for migration from copper-based Ethernet to Fiber Ethernet. Now, migration or expansion of existing networks can be achieved with minimum cost and complexity. The converter is completely transparent to the network, so the network performs exactly the way it did before, only now it can support both copper and fiber media. It provides fiber connectivity to Ethernet segments, allowing for even greater networking expansion between extended workgroups. It also provides building-to-building connectivity without the need for the cost and disruption associated with the installation of additional routers.

More Capable with Power over Ethernet

The media converter brings power to where there is none, which helps avoid the need to hire an electrician and run electrical lines. And because the converter supports the IEEE 802.3at / 802.3af standard, up to 30 watts is available for any compatible device.

Equipped even for challenging environment conditions

With its rugged, protective, IP40-rated metal housing, the converter operates reliably, even in extreme temperatures from -40 - 85°C (-40 - 185°F). In

combination with its DIN-rail mounting option and two safe redundant DC power inputs with plenty of other safety features, this converter is ideal for IoT applications in Industry 4.0 and more.

Features:

- One 10/100/1000 RJ45 port supporting a maximum distance of 100 m (300 ft.)
- One SFP port for 1000Base-X optical transceiver modules and distances up to 100 km (62 mi.)
- Power over Ethernet injector function with output up to 30 watts
- IP40 slim-type metal housing to withstand harsh industrial conditions
- Option for DIN-rail installation
- Two redundant DC inputs (48 - 56 V) with terminal block
- Requires industrial power supply (not included)
- Port surge protection up to 6 kV
- ESD protection up to 8 kV (air) and 6 kV (contact)
- Rated for shock (IEC 60068-2-27), freefall (IEC 60068-2-32) and vibration (IEC 60068-2-6)
- Supports full-duplex and half-duplex modes with autonegotiation
- Suitable for extreme operating temperatures of -40 to 85°C (-40 to 185°F)
- Supports 8k MAC address entries with Auto-learning and Auto-aging
- Buffer memory of 1 MByte
- Supports jumbo frames up to 10 kBytes
- Short-circuit, overload and high-voltage protection
- Link Fault Passthrough (LFP) function for easier network maintenance
- Compatible with IEEE 802.3at/af-compliant powered devices (PD) such as network cameras, wireless access points, VoIP phones and more
- Fanless design for silent operation
- Fully NDAA-compliant
- Three-year warranty

Specifications:

Standards

- IEEE 802.3af (Power over Ethernet)
- IEEE 802.3at (High-Power PoE+ Power over Ethernet)
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3z (1000Base-X Gigabit Ethernet)

General

- Media support:
 - 10/100/1000Base-TX Cat6 or higher UTP/STP RJ45

- SFP module slot for Mini GBIC module (not included)
- Certifications: FCC, CE, RoHS, UKCA, NDA

PoE Pinout

- Pin 1: DC (+)
- Pin 2: DC (-)
- Pin 5: DC (+)
- Pin 6: DC (-)

LEDs

- P1: on = power connected
- P2: on = power connected
- FX: on = fiber connected; flashing = data transmitting
- L/A: on = copper connected; flashing = data transmitting
- POE: on = power flowing; off = no power

Power

- DC input: 48.0 - 56.0 V DC, terminal block
- DC output: 30.0 W, 55.0 V DC, 0.6 A; RJ45 PoE port

Physical

- IP40-rated metal housing
- DIN-rail: In accordance with IEC/EN 60715 (top hat)
- Dimensions (L x W x H): 115 x 81 x 35 mm (4.58 x 3.19 x 1.38 in.)
- Net weight: 300 g (0.66 lbs.)
- Gross weight: 430 g (0.95 lbs.)
- Operating temperature: -40 - 85°C (-40 - 185°F)
- Storage temperature: -40 - 95°C (-40 - 203°F)
- Relative humidity: 5 - 90% RH, non-condensing

Package Contents

- Industrial Gigabit Media Converter and PoE+ Injector
- Instructions



