



Industrial Fast Ethernet Media Converter

**10/100Base-TX to 100Base-FX (SC) Multi-Mode, 2 km (1.24 mi.),
Wavelength 1310 nm, IP40-rated Metal Housing, DIN-rail Mount**

Part No.: **508964**

EAN-13: 0766623508964 | UPC: 766623508964

Industrial Media Converter - expand your existing network in harsh industrial environments

The Intellinet Network Solutions Industrial Fast Ethernet Media Converter 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.

Equipped even for challenging environment conditions

With its rugged, protective, IP40-rated metal housing, the converter operates reliably, even in extreme temperatures from -40 to 85°C (-40 to 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 RJ45 port supporting a maximum distance of 100 m (300 ft.)
- One 100Base-FX fiber SC multi-mode port supporting a maximum

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distance of 2 km (1.24 mi.)

- IP40 slim-type metal housing to withstand harsh industrial conditions
- Option for DIN-rail installation
- Two redundant DC inputs (12 - 56 V) with I/O 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)
- Wavelength: 1310 nm
- Supports full-duplex and half-duplex modes with autonegotiation
- Suitable for extreme operating temperatures of -40 to 85°C (-40 to 185°F)
- Supports 2k MAC address entries with Auto-learning and Auto-aging
- Buffer memory of 1 MByte
- Supports jumbo frames up to 9 kBytes
- Link Fault Passthrough (LFP) function for easier network maintenance
- Fanless design for silent operation
- Fully NDAA-compliant
- Three-year warranty

Specifications:

Standards

- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)

General

- Media support:
 - 100Base-TX Cat5e or higher UTP/STP RJ45
 - 100Base-FX multi-mode 62.5/125 or 50/125 µm fiber
- Distances:
 - Fiber cable: 2 km (1.24 mi.)
 - RJ45 cable: 100 m (300 ft.)
- Wavelength: 1310 nm
- Min. TX power: -9 dBm
- Max. TX power: -3 dBm
- Certifications: FCC, CE, RoHS, UKCA, NDAA

LEDs

- PWR1: on = power connected
- PWR2: on = power connected
- FL/A: on = fiber connected; flashing = data transmitting
- TL/A: on = copper connected; flashing = data transmitting
- 100M: on = 100 Mbps; off = 10 Mbps

Power

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- DC input: 12.0 - 56.0 V DC, 3-pin terminal block

Environmental

- 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 Fast Ethernet Media Converter
- Instructions



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