Outdoor Vandalproof Gigabit Media Converter and PoE+ Injector

10/100/1000Base-T to SFP Slot, PoE Injector Function, 30 W, IEEE 802.3at/af Compliant, IP67 Waterproof, IK10 Vandal-proof, Metal Housing, Wall-mount Option

Part No.: 509213

EAN-13: 0766623509213 | UPC: 766623509213

Industrial Outdoor Media Converter PoE Injector - 30 W for an IEEE 802.3at Powered Device

With minimum cost and complexity, the Intellinet Network Solutions Outdoor Vandalproof Gigabit Media Converter and PoE+ Injector offers the network designer a way to migrate from copper-based Ethernet to fiber Ethernet or to expand an existing network. This Outdoor Media Converter and PoE Injector 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 can achieve building-to-building connectivity without the need for the cost and disruption associated with the installation of additional routers.

Hardened design for outdoor and industrial use

This SFP Media Converter and PoE+ injector is the right power and data connector for its suitability to a wide variety of environments. Its weatherproof IP67 (waterproof and dustproof) rating, vast operating temperature range of -4 to 140ºF (-20 to 60ºC) and vandal-proof IK10 score enable this Media Converter and Power over Ethernet Injector to withstand harsh conditions and industrial environments. Beyond that, it has ratings for shock (IEC 60068-2-27), freefall (IEC 60068-2-32) and vibration (IEC 60068-2-6).

More capable with Power over Ethernet and reduced wiring costs

This media converter brings power to where there is none, which helps avoid the need to hire an electrician and run electrical lines. Once you've quickly wired DC power to the Injector through its two-pin terminal block, simply connect this PoE+ Injector to your Powered Device or switch using existing Cat5/6/6a cabling to deliver power as well as transfer data at 10/100/1000 Mbps speeds up to 100 m (328 ft.) away.

Safe protection for your expensive network equipment

The auto-sensing technology ensures that your products are protected from power problems like short circuits (short GND), current overloads and high voltages. Port surge protection up to 6 kV and ESD protection up to 8 kV make its safety complete.

Wall-mount option

For full installation flexibility indoors or outdoors, you can mount the injector on the wall through its four built-in holes. The required mounting kit is part of the package contents.

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 120 km / 75 mi. (depending on module used)
- Power over Ethernet injector function with output up to 30 watts
- IP67-rated, dustproof and waterproof
- IK10-rated, vandal-proof
- Suitable for extreme operating temperatures of -4 to 140ºF (-20 to 60ºC)
- Compatible with IEEE 802.3at/af-compliant powered devices (PD) such as network cameras, wireless access points, VoIP phones and more
- Supports 10/100/1000 Mbps data rates
- Auto-sensing PoE awareness to ensure that power is only sent to IEEE 802.3at/af-compliant devices; non-PoE devices only receive data
- Short-circuit, overload and high-voltage protection
- DC input of 24 to 56 V with terminal block
- Grounding point to protect equipment from external electrical surges
- PoE surge protection up to 6 kV in common mode and 4 kV in differential mode
- ESD protection up to 8 kV for air and 6 kV for contact
- Supports 2k MAC address entries with Auto-learning and Auto-aging
- Supports 802.3x flow control for full duplex mode and collision-based backpressure for half duplex mode

- Installation holes for wall mounting
- Earthing kit included
- Saves time and money by delivering data and power via existing network cables
- Plug-and-play installation; no configuration required
- 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 802.3ab (1000BASE-T Gigabit Ethernet)

General
- Media support:
  - 10Base-T Cat5e/6/6a UTP/STP RJ45
  - 100Base-TX Cat5e/6/6a UTP/STP RJ45
  - 1000Base-T Cat5e/6/6a UTP/STP RJ45
  - 1000BASE-SX/LX/BX; Multi-mode: 50/125 µm or 62.5/125 µm optical fiber, Single-mode: 9/125 µm optical fiber
- MAC address table: 2k
- Forwarding rate: 2.98 Mpps
- MTBF: >50k hours
- Architecture: store and forward
- Ports:
  - One SFP module slot for Mini GBIC module (not included)
  - One 2-pin terminal block power input port
  - One RJ45 PoE power and Gigabit data output port
- Certifications: FCC Class A, CE, RoHS, UKCA

Electrical
- DC input: 24.0 - 56.0 V DC, 2.0 A max.; 2-pin terminal block
- DC output: 30.0 W, 55.0 V DC, 0.6 A; RJ45 PoE port
- Power consumption: 36.0 W (max.)

PoE Pinout
- Pin 1: DC (+)
- Pin 2: DC (+)
- Pin 3: DC (-)
- Pin 6: DC (-)

LEDs
- PWR (green), LNK (green) and LNK/ACT (green)

Physical
- Dimensions (L x W x H): 5.9 x 2.87 x 1.73 in. (150 x 73 x 44 mm)
- Net weight: 0.86 lbs. (390 g)
- Gross weight: 1.76 lbs. (800 g)
- Housing ratings: IP67 (weather), IK10 (vandal), IEC 60068-2-27 (shock), IEC 60068-2-32 (freefall), IEC 60068-2-6 (vibration)

Environmental
- Operating temperature: -4 - 140ºF (-20 - 60ºC)
- Storage temperature: -40 - 176°F (-40 - 80°C)
- Operating humidity: 10 - 90% RH, non-condensing
- Storage humidity: 5 - 90% RH, non-condensing

Package Contents
- Outdoor Vandalproof Gigabit Media Converter and PoE+ Injector
- Power cable
- Earthing kit
- Three IP67-rated cable glands
- Wrench
- Tweezer
- Instructions