



## Industrial 10G PoE++ Injector

**One 120 W Port, IEEE 802.3bt (4PPoE) Compliant, IP50-Rated Metal Housing, DIN-Rail Mount and Wall-Mount Option**

Part No.: **509619**

EAN-13: 0766623509619 | UPC: 766623509619

## Tough Industrial Ethernet Single-Port 10 Gbps PoE Injector with 120 Watts - Supports 100/1000/2500/5000/10,000 Mbps and Power over Ethernet 802.3bt

The Intellinet Network Solutions Industrial 10G PoE++ Injector lets you connect your IEEE 802.3bt/af/at-compliant wireless access point, IP phone, network camera and more to a non-PoE LAN switch port so it can supply both a power and a network connection up to 100 meters (328 ft.) away. This 4PPoE injector has an output power rating up to 120 watts, which is enough for even very power-hungry PoE++ devices like motorized PTZ cameras, thin clients, point-of-sale systems, lighting controllers and digital signage applications.

### Designed for harsh industry environments

This Power over Ethernet injector was designed to give you the network connections you need in places that are less than calm or temperate. With its rugged, IP30-rated metal housing, it operates reliably and quietly, even under extreme temperatures that range from -40 to 167°F (-40 to 75°C). In combination with its DIN-rail mounting option and a safe DC power input with plenty of safety features, this injector is ideal for IoT applications in Industry 4.0 and more.

### Reduced wiring costs

There's no need to run AC power lines to get your PD set up and working. Once you've quickly wired DC power to the injector through its three-pin terminal block, simply connect this Ultra PoE Injector to the LAN switch port, and use your 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.).

## **Safe protection for your expensive network equipment**

The auto-sensing technology of this PoE Injector 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, you can mount the injector on the wall through four built-in fixing points on the back panel.

### **Features:**

- Power over Ethernet with output up to 120 watts
- Ultra-fast 10GBASE-T RJ45 Ethernet port, IEEE 802.3bz compliant
- IP50-rated metal housing to withstand harsh industrial conditions
- Suitable for extreme operating temperatures of -40 to 75°C (-40 to 167°F)
- Option for DIN-rail installation
- Ideal for power-hungry IoT devices like motorized IP cameras, thin clients, PoE lighting and more
- Backward compatible with 100/1000/2500/5000 Mbps devices
- Distance support: up to 100 m (328 ft.)
- Short-circuit, overload and high-voltage protection
- Auto-sensing PoE awareness to ensure that power is only sent to IEEE 802.3bt/at/af-compliant devices; non-PoE devices only receive data
- Grounding point to protect equipment from external electrical surges
- DC input (48 - 57 V) through terminal block
- ESD protection up to 8 kV (air) and 6 kV (contact)
- Port surge protection up to 6 kV
- Rated for shock (IEC 60068-2-27), freefall (IEC 60068-2-31) and vibration (IEC 60068-2-6)
- Saves time and money by delivering data and power via existing network cables
- LED indicators for power input and PoE output
- Requires additional industrial power supply (not included)
- Fully TAA-compliant
- Three-year warranty

### **Specifications:**

#### **Standards**

For more information on Intellinet products, consult your local dealer or visit [www.intellinet-network.com](http://www.intellinet-network.com).

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- IEEE 802.3af (Power over Ethernet)
- IEEE 802.3at (High-Power PoE+ Power over Ethernet)
- IEEE 802.3bt (PoE++/4PPoE Power over Ethernet)
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3ab (1000BASE-T Gigabit Ethernet)
- IEEE 802.3bz (2.5G/5G/10GBASE-T Ethernet)

#### General

- Media support:
  - 10Base-T Cat3/4/5/5e/6/6a UTP/STP RJ45
  - 100Base-TX Cat5/5e/6/6a UTP/STP RJ45
  - 1000Base-T Cat5e/6/6a UTP/STP RJ45
  - 2.5G/5GBase-T Cat5e/Cat6/6a UTP/STP RJ45
  - 10GBase-T Cat6/6a or higher UTP/STP RJ45
- Ports:
  - One RJ45 10G data input port
  - One 3-pin terminal block power input port
  - One RJ45 PoE power + 10G data output port
- Certifications: FCC, CE, RoHS, REACH, UKCA, TAA
- MTBF: 1M hours

#### Electrical

- DC input: 48.0 - 57.0 V DC, up to 2.3 A, 3-pin terminal block
- DC output: 120.0 W, 54.0 V DC, RJ45 PoE port
- Power consumption: 125.0 W (max.)

#### PoE Pinout

- Pin 1: DC (-)
- Pin 2: DC (-)
- Pin 3: DC (+)
- Pin 4: DC (+)
- Pin 5: DC (+)
- Pin 6: DC (+)
- Pin 7: DC (-)
- Pin 8: DC (-)

#### DC input pin assignment

- PWR1 +
- PWR1 -
- GND

#### LEDs

- Power 1
- Power 2
- Alarm
- PoE

## Physical

- IP50-rated metal housing
- DIN rail: In accordance with IEC/EN 60715 (top hat)
- Dimensions (L x W x H): 120 x 98 x 30 mm (4.72 x 3.86 x 1.18 in.)
- Net weight: 400 g (0.88 lbs.)
- Gross weight: 475 g (1.05 lbs.)
- Operating temperature: -40 - 75°C (-40 - 167°F)
- Storage temperature: -40 - 85°C (-40 - 185°F)
- Operating humidity: 10 - 95% RH, non-condensing
- Storage humidity: 10 - 95% RH, non-condensing
- Recommended AWG for terminal block: 14-22

## Package Contents

- Industrial 10G PoE++ Injector
- Instructions



