



10G PoE++ Injector

One 95 W Port, IEEE 802.3bt (4PPoE) Compliant, Plastic Housing, Wall-mount Option

Part No.: **561945**

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Next-gen 10 Gbps 95 W 4PPoE Injector - Supports 10/100/1000/2500/5000/10,000 Mbps and Power over Ethernet 802.3bt

The Intellinet Network Solutions 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 while providing the necessary PoE power up to 100 meters (328 ft.). This 10-Gigabit 4PPoE Injector has an output power rating up to 95 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.

Full backward-compatibility with existing IEEE 802.3af/at Power over Ethernet devices

The Intellinet Network Solutions 10G PoE++ Injector helps you connect your IEEE 802.3bt/af/at-compliant products to a non-PoE LAN switch port. The Injector features auto-sensing technology, so it always delivers the correct wattage the device needs, whether it's PoE (up to 15.4 W), PoE+ (up to 30 W) or PoE++ (up to 95 W).

Reduced wiring costs

It's no longer necessary to run AC power lines for your wireless access point, network camera or IP phone. Simply connect this PoE++ Injector to a LAN switch port, and use the existing network cabling to deliver DC power as well as transfer data.

Safe protection for your expensive network equipment

The auto-sensing technology of this high-power 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 indoors or outdoors, 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 95 watts
- Ultra-fast 10GBASE-T RJ45 Ethernet port, IEEE 802.3bz compliant
- Compatible with IEEE 802.3bt/at/af-compliant powered devices (PD) such as network cameras, wireless access points, VoIP phones and more
- Distance support up to 100 m (328 ft.)
- Internal power supply
- 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
- Short-circuit, overload and high-voltage protection
- Grounding point to protect equipment from external electrical surges
- Port surge protection up to 4 kV
- ESD protection up to 8 kV (air) and 6 kV (contact)
- Mounting holes for wall mounting
- Earthing kit included
- Ideal for power-hungry IoT devices like motorized IP cameras, thin clients, PoE lighting and more
- Saves time and money by delivering data and power via existing network cables
- Plug-and-play installation; no configuration required
- Three-year warranty

Specifications:

Standards

- IEEE 802.3af (Power over Ethernet)
- IEEE 802.3at (High-Power PoE+ Power over Ethernet)

For more information on Intellinet products, consult your local dealer or visit www.intellinet-network.com.

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- 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 RJ45 PoE power + 10G data output port
- Certifications: CE, RoHS, FCC Class A, UKCA
- 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 (-)

LEDs

- Power
- PoE
- PoE max

DIP switch functions to select the PoE standard of the connected PD:

- 802.3bt (for fully compliant 802.3bt/at/af PDs)
- UPoE (for PDs that support the maximum power from PSE over four pairs, regardless of the PD class, including Cisco Universal Power over Ethernet)
- Legacy 802.3bt (for PDs not in full compliance with 802.3bt/at/af)

Power

- Internal power supply:
 - Input: 100.0 - 240.0 VAC, 50 - 60 Hz
 - Output: DC, 54.0 V, 1.76 A
 - PoE budget: 95.0 watts (maximum)
 - Power consumption: 100.0 watts (maximum)

Physical

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- Plastic housing
- Dimensions (L x W x H): 172 x 100 x 40 mm (6.77 x 3.94 x 1.57 in.)
- Net weight: 500 g (1.1 lbs.)
- Gross weight: 877 g (1.93 lbs.)
- Operating temperature: 0 - 40°C (32 - 104°F)
- Storage temperature: -40 - 70°C (-4 - 194°F)
- Operating humidity: 10 - 90% RH, non-condensing
- Storage humidity: 5 - 90% RH, non-condensing

Package Contents

- 10G PoE++ Injector
- Power cable
- Earthing kit
- Instructions



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