



## Gigabit PoE++ Injector

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

Part No.: **561495**

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## Inject 95 Watts of Power Into Your Internet of Things (IoT) or PoE++ Network!

### IEEE 802.3bt Compliant

The Intellinet Network Solutions Gigabit PoE++ Injector provides up to 95 W using all four pairs of twisted-pair network cabling to support IoT applications such as lighting, sensors and building automation. Nurse call systems require 30 to 50 watts of power. Point-of-sale card readers & printers need up to 60 watts. Lighting fixtures and controllers require 40 to 50 watts. Some motorized IP cameras need more than 70 watts. The IEEE 802.3bt standard is an excellent solution for bringing power to these critical systems. As many new IEEE 802.3bt powered devices enter the market, you'll be ready for them with an Intellinet Network Solutions PoE++ Injector.

### Full Compatibility with Existing IEEE 802.3af/at Power over Ethernet devices

The Intellinet Network Solutions Gigabit PoE++ Injector helps you connect your IEEE 802.3bt/af/at-compliant products to a non-PoE LAN switch port. The injector can be used to connect a wireless access point, IP phone, network camera or any IEEE 802.3bt/af/at-powered device (PD) to a switch.

### 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 the PoE++ Injector to the LAN switch port, and use the existing network cabling to deliver DC power as well as

transfer data.

## Protected Equipment

Once DC power is connected to your networked equipment through the network cabling, this Intellinet Network Solutions PoE++ Injector ensures that your products are protected from power problems like short circuits (short GRND), current overloads and high voltages.

### Features:

- Save time and money by delivering data and power via existing network cables
- Total PoE power budget of 95 watts
- Compatible with IEEE 802.3bt (Ultra-PoE), IEEE 802.3at and IEEE 802.3af
- Short-circuit, overload and high-voltage protection
- Supports all IEEE 802.3bt-, IEEE 802.3at- and IEEE 802.3af-compliant PoE devices (Wireless LAN access points and bridges, VoIP [Voice over Internet Protocol] telephones, IP surveillance cameras)
- Distance support: up to 100 m (328 ft.)
- Internal power supply
- Fanless design ideal for silent operation
- Wall-mounting option
- Fully NDAA-compliant
- Three-year warranty

### Specifications:

#### Standards

- IEEE 802.3af (Power over Ethernet)
- IEEE 802.3at (High-Power PoE+ Power over Ethernet)
- IEEE 802.3bt (PoE++/4PPoE Power over Ethernet)
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3ab (Gigabit Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)

#### General

- Media support:
  - 10Base-T Cat5 UTP/STP RJ45, 8 pin
  - 100Base-TX Cat5 UTP/STP RJ45, 8 pin
  - 1000Base-T Cat5e UTP/STP RJ45, 8 pin
- Ports:
  - One RJ45 10/100/1000 Mbps port
  - One RJ45 10/100/1000 Mbps data and power output port

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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- Protection functions:
  - Short-circuit protection
  - Over-current protection
  - Over-voltage protection
- 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 (-)
- Certifications: CE, RoHS, FCC Class A, UKCA, NDA

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

- 802.3bt (for fully compliant PDs, 4PPoE, PoE++)
- UPoE (for 802.3at PDs that support up to 60 W over 4 pairs, Cisco Universal Power over Ethernet)
- Legacy 802.3bt (for PDs not in full compliance with 802.3bt)

#### LED

- Power, Data and PoE LEDs

#### Power

- Input: 100 – 240 V AC, 50 – 60 Hz

#### Environmental

- Plastic housing
- Dimensions: 190 (L) x 100 (W) x 40 (H) [mm] 7.48 (L) x 3.94 (W) x 1.57 (H) [in]
- Weight: 0.502 kg (1.11 lbs.)
- Operating temperature: 0 – 40°C (32 – 104°F)
- Operating humidity: 10 – 90% RH, non-condensing
- Storage temperature: -40 – 70°C (-40 – 158°F)

#### Package Contents

- Gigabit PoE++ Injector
- Power cable
- Earthing kit
- Instructions

