



2.5G PoE++ Injector

One 60 W Port, IEEE 802.3bt (4PPoE) Compliant, 10/100/1000/2500 Mbps, Plastic Housing, Wall-mount Option

Part No.: **562256**

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Next-gen 2.5 Gbps PoE Injector - Supports 10/100/1000/2500 Mbps and Power over Ethernet 802.3bt

The 2.5G Ethernet PoE+ Injector from Intellinet Network Solutions passes both data and electrical power to a PoE-compatible device via standard Cat5e or Cat6 network cable. Equipped with one multi-gigabit Ethernet PoE++ copper output port, this injector can power an IP camera, a wireless LAN bridge and more while delivering ultra-fast network speeds up to 2500 Mbps, even if your network switch doesn't support PoE.

Eliminate bottlenecks with 2.5G capability - great for high-bandwidth Wi-Fi 6 & 7 IEEE 802.11ax Access Points and more

Since at least the arrival of Wi-Fi 6 (but even with legacy Wi-Fi 5 [802.11ac]), "regular" Gigabit Ethernet ports have been at their bandwidth limits when connecting to wireless networks. This injector's ability to support 2.5GBASE-T means it can deliver data to wireless APs faster and better accommodate other higher-bandwidth devices in your enterprise network.

Ultra-high power PoE++ with output up to 60 watts

This injector supports the IEEE 802.3bt protocol and can inject up to 60 watts of power, 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. That means it's no longer necessary to run additional AC power lines to activate those devices, which eliminates the time

and expense of electrical rewiring and minimizes the unsightly clutter of power supplies and adapters on ceilings and walls. Simply connect the PoE Injector to the LAN switch port, connect the Injector to a power outlet with the included power cord, and use the existing patch cabling to deliver DC power as well as transfer data at speeds up to 2.5 Gbps to a PD at a distance up to 100 m (328 ft.).

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.

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 60 watts
- High-speed 2.5GBASE-T RJ45 Ethernet port, IEEE 802.3bz compliant
- Supports 10/100/1000/2500 Mbps data rates
- Compatible with IEEE 802.3bt/at/af-compliant powered devices (PD) such as network cameras, wireless access points, VoIP phones and more
- Ideal for power-hungry IoT devices like motorized IP cameras, thin clients, PoE lighting and more
- Backward compatible with 10/100/1000 Mbps devices
- Distance support: up to 100 m (328 ft.)
- 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
- Built-in holes for mounting to a wall and four rubber feet for desktop use
- Internal power supply
- Fanless design ideal for silent operation
- Saves time and money by delivering data and power via existing network cables
- Plug-and-play installation; no configuration required
- Fully TAA-compliant
- Three-year warranty

Specifications:

Standards

- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3ab (Twisted Pair Gigabit Ethernet)
- IEEE 802.3af (Power over Ethernet 802.3at Type 1)
- IEEE 802.3at (Power over Ethernet 802.3at Type 2)
- IEEE 802.3bt (PoE++/4PPoE/Ultra Power over Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3bz (2.5GBASE-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
 - 2.5GBase-T Cat5e/Cat6/6a UTP/STP RJ45
- Ports:
 - One RJ45 2.5G data input port
 - One RJ45 PoE power + 2.5G data output port
- Certifications: CE, RoHS, FCC, UKCA, TAA

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

Power

- Internal power supply:
 - Input: 100.0 - 240.0 VAC, 50 - 60 Hz
 - Output: DC, 54.0 V, 1.1 A
 - PoE power budget: 60.0 watts (max.)
 - Power consumption: 73.0 watts (max.)

Physical

- Plastic housing
- Dimensions (L x W x H): 155 x 58 x 34 mm (6.1 x 2.28 x 1.34 in.)

- Net weight: 230 g (0.51 lbs.)
- Gross weight: 410 g (0.9 lbs.)
- Operating temperature: 0 - 40°C (32 - 104°F)
- Storage temperature: -40 - 70°C (-40 - 158°F)
- Operating humidity: 10 - 95% RH, non-condensing
- Storage humidity: 5 - 95% RH, non-condensing

Package Contents

- 2.5G High-Power PoE++ Injector
- Power cable
- Instructions



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

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