



10G High-Power PoE+ Injector

One 30 W Port, IEEE 802.3at/af Compliant, 100 Mbps/1G/2.5G/5G/10G, Plastic Housing, Wall-mount Option

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Next-gen 10G PoE Injector - Supports 100 Mbps/1/2.5/5/10 Gbps and Power over Ethernet 802.3at

The 10G Ethernet PoE+ Injector from Intellinet Network Solutions passes both data and electrical power to a PoE-compatible device via standard Cat6a network cable. Equipped with a 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 10 Gbps, even if your network switch doesn't support PoE.

Scalable, Auto-Sensing Connectivity for Any Network

The injector features an auto-sensing port that intelligently detects and delivers the optimal speed for connected devices with 100 Mbps, 1G, 2.5G, 5G, or 10G. Whether you're connecting legacy devices or cutting-edge Wi-Fi 6 (IEEE 802.11ax) & Wi-Fi 7 (IEEE 802.11be) Access Points, it adapts to your network needs with full backward compatibility.

High-power PoE+ with output up to 30 watts for reduced wiring costs

This injector supports the IEEE 802.3at protocol and can inject up to 30 watts of power for IEEE 802.3af/at-compliant devices like wireless APs, network cameras or IP phones. 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 10 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-mountable

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 30 watts
- Ultra-fast 10GBASE-T RJ45 Ethernet port, IEEE 802.3an compliant
- Supports 100 Mbps/1/2.5/5/10 Gbps data rates
- Compatible with IEEE 802.3at/af-compliant powered devices (PD) such as network cameras, wireless access points, VoIP phones and more
- Future-proof high-bandwidth connection; ideal for Wi-Fi 6/7 access points
- Distance support: up to 100 m (328 ft.)
- Backward compatible with 100/1000/2500/5000 Mbps devices
- 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
- Built-in rails to slide multiple units together for a tidy installation
- 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

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

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- Fully NDA-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 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3bz (2.5GBASE-T Ethernet)
- IEEE 802.3an (10GBASE-T Ethernet)

General

- Media support:
 - 100Base-TX Cat5e/6/6a/8 UTP/STP RJ45
 - 1000Base-T Cat5e/6/6a/8 UTP/STP RJ45
 - 2.5G/5GBase-T Cat6/6a/8 UTP/STP RJ45
 - 10GBase-T Cat6/6a/8 UTP/STP RJ45
- Ports:
 - One RJ45 10G data input port
 - One RJ45 PoE power + 10G data output port
- Certifications: CE, RoHS, FCC, UKCA, NDA

PoE Pinout

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

LEDs

- Power
- PoE

Power

- Internal power supply:
 - Input: 100.0 - 240.0 VAC, 50 - 60 Hz
 - Output: 52.0 VDC, 0.58 A
 - PoE power budget: 30.0 watts (max.)
 - Power consumption: 33.0 watts (max.)

Physical

- Plastic housing
- Dimensions (L x W x H): 146 x 62 x 40 mm (5.75 x 2.44 x 1.57 in.)
- Net weight: 230 g (0.51 lbs.)
- Gross weight: 430 g (0.95 lbs.)
- Operating temperature: 0 - 40°C (32 - 104°F)
- Storage temperature: -10 - 70°C (14 - 158°F)
- Operating humidity: 5 - 95% RH, non-condensing

Package Contents

- 10G High-Power PoE+ Injector
- Power cable, 1.5 m (5 ft.)
- Instructions

