

1-Port Gigabit Midspan - PoE+ Injector - 802.3at and 802.3af

**Product ID:** POEINJ1G



This Gigabit Power over Ethernet (PoE+) injector supplies power and data connectivity to a Gigabit PoE-compliant device using standard Ethernet cable, at distances of up to 100 m (330 ft.).

The PoE midspan is a cost-effective alternative to upgrading your existing network switch to a PoE-capable model.

This versatile PoE injector lets you connect a PoE-powered device (PD) to a non-PoE network switch, so you can avoid the expense and aggravation of replacing your existing switch with a PoE-enabled model. It supplies up to 30 watts of power, so you can easily power and access a high-power PoE-compliant device, such as an IP camera or a wireless access point (WAP), using traditional copper (RJ45) Ethernet cable. The midspan injector makes it easy to extend data and power connectivity to your PoE+ device across long distances, even in a remote location where a typical power outlet isn't available.

You can integrate this compact injector discreetly into a variety of environments. It features a surface-mountable housing that's perfect for installing on walls or under a desk, but it's also palm-sized, for use on desktop surfaces.

Plus, with plug-and-play operation, you can enjoy fast and hassle-free setup without disrupting your workflow.

Not sure which class your PoE device is? The Gigabit PoE+ injector automatically detects the power requirements of your connected PoE PD, and delivers the appropriate level of power without damaging your device.

The POEINJ1G is backed by a StarTech.com 2-year warranty and free lifetime technical support.

## Certifications, Reports and Compatibility

### Applications

- Ideal for high-power PoE+ devices requiring Gigabit speeds such as PTZ (Pan, Tilt, Zoom) cameras and Wi-Fi access points (WAP)

- Enable remote installation of touchscreens, information kiosks, and phones in locations where a power connection isn't available
- Perfect for small and home offices, as well as SMB applications, including system integrations, and IT administration

## Features

- Easily connect, power, and operate a Gigabit PoE-powered device (PD)
- Supplies up to 30-watts power output
- Flexible setup, with a desktop-sized, or surface-mountable housing
- Save money by using your existing Cat5 or better Ethernet cable
- Fast, plug-and-play setup and operation, with no configuration required
- Provides one PoE+ (PSE, power and data) 10/100/1000Mbps compliant RJ45 port - 802.3at and 802.3af
- Integrates shielded RJ45 connectors
- Automatically detects the powered device to provide the appropriate level of power output

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### Hardware

Warranty	2 Years
Ports	1
Industry Standards	IEEE 802.3af PoE, IEEE 802.3at PoE+  IEEE 802.3 (10BASE-T), IEEE 802.3u (100BASE-TX), IEEE 802.3ab (1000BASE-T)

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### Performance

Maximum Data Transfer Rate	2 Gbps (Full-Duplex)
Maximum Cable Length	328.0 ft [100 m]
General Specifications	Power Output: 48 V DC, 30 W

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### Connector(s)

Connector Type(s)	RJ-45
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### Special Notes / Requirements

Patents and Licenses	The following patents are licensed for this product. This list might not
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be all inclusive.

- United States Patent No. 5,406,260 (expired)
- United States Patent No. 6,650,622
- United States Patent No. 7,457,250
- United States Patent No. 8,155,012
- United States Patent No. 8,902,760
- United States Patent No. 8,942,107
- United States Patent No. 9,019,838
- United States Patent No. 9,049,019
- United States Patent Application No. 14/695,456
- United States Patent Application No. 14/726,940

**System and Cable Requirements**

If your connected devices do not meet the IEEE 802.3af or IEEE 802.3at PoE standard, then the POEINJ1G will not inject power to the connected device(s) / Ethernet cable(s)

**Indicators**

LED Indicators	Power
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**Power**

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Input Current	0.75 A
Output Voltage	56 DC
Output Current	0.64 A
Center Tip Polarity	Positive
Plug Type	M
Power Consumption (In Watts)	36

**Environmental**

Operating Temperature	0C to 45C (32F to 113F)
Storage Temperature	-20C to 85C (-4F to 185F)
Humidity	10~90% RH (Non-Condensing)



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**Physical Characteristics**

Color	Black
Material	Plastic
Product Length	2.8 in [70 mm]
Product Width	2.5 in [63 mm]
Product Height	1.0 in [25 mm]
Weight of Product	1.8 oz [50 g]

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**Packaging Information**

Package Length	6.0 in [15.2 cm]
Package Width	8.1 in [20.5 cm]
Package Height	2.4 in [61 mm]
Shipping (Package) Weight	18.0 oz [511 g]

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**What's in the Box**

Included in Package	POE+ Injector
	Instruction Manual
	Power Adapter
	Mounting Screws
	Power Cords (NA/UK/EU/ANZ)

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***\*Product appearance and specifications are subject to change without notice.***

