

## 4-Port Gigabit Midspan - PoE+ Injector - 802.3at/af

**Product ID:** POEINJ4G



This Gigabit midspan PoE+ injector is a cost-effective alternative to upgrading your existing network switch to a PoE-capable model.

It supplies up to 30 Watts output to each port, so you can easily power and access up to four high-power PoE-compliant devices — such as IP cameras — using standard Ethernet cable.

This versatile midspan PoE+ injector is suited for almost all PoE device classes, including wireless access points, as well as IP phones and cameras. The high-power PoE+ injector offers 120W total power distribution and delivers full power — up to 30.8W — from each port. Now, you can easily scale and power your PoE+ devices across long distances, even in remote locations where a typical power outlet is unavailable.

Plus, the cost-effective Power over Ethernet+ injector lets you connect your PoE-powered devices (PDs) to a non-PoE-capable switch, avoiding the expense and aggravation of upgrading your existing switch to a PoE-enabled model.

This injector is the perfect solution for a variety of environments. It features a wall-mountable rugged metal casing, but is palm-sized making it perfect for desktop placement too.

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

Not sure which class your PoE devices are? The Gigabit midspan PoE+ injector automatically detects the power requirements of your PoE PDs, and delivers the appropriate level of power without damaging your devices.

With integrated circuit protection between each port, your devices are also protected from power interference.

The POEINJ4G 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 is not available
- Perfect for SOHO, SMB, system integrators, and IT administrators

## Features

- Easily connect, power, and operate up to four Gigabit PoE-powered devices (PD)
- Delivers full power to each port — up to 30.8 watts (802.3at) or 15.4 watts (802.3af) to each connected device
- Flexible setup, with a desktop-sized, or wall-mountable metal housing
- Plug-and-play setup and operation
- Automatically detects the powered device to provide the appropriate level of power output
- Circuit protection prevents power interference between each port
- Support for 10/100/1000 Mbps networks and devices, as well as Auto-Negotiation and auto-MDIX

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### Hardware

Warranty	2 Years
Ports	4
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: 54V DC at 30.8W (PoE+)
MTBF	50,000 Hours

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### Connector(s)

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

Patents and Licenses	<p>The following patents are licensed for this product. This list might not be all inclusive.</p> <ul style="list-style-type: none"> <li>• United States Patent No. 5,406,260 (expired)</li> <li>• United States Patent No. 6,650,622</li> <li>• United States Patent No. 7,457,250</li> <li>• United States Patent No. 8,155,012</li> <li>• United States Patent No. 8,902,760</li> <li>• United States Patent No. 8,942,107</li> <li>• United States Patent No. 9,019,838</li> <li>• United States Patent No. 9,049,019</li> <li>• United States Patent Application No. 14/695,456</li> <li>• United States Patent Application No. 14/726,940</li> </ul>
System and Cable Requirements	<p>If your connected devices do not meet the IEEE 802.3af or IEEE 802.3at PoE standard, then the POEINJ4G will not inject power to the connected device(s) / Ethernet cable(s)</p>

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**Indicators**

LED Indicators	<p>Power</p> <p>PoE In-Use</p>
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**Power**

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Input Current	2 A
Output Voltage	54 DC
Output Current	2.4 A
Center Tip Polarity	Positive
Plug Type	M
Power Consumption (In Watts)	129.6

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**Environmental**



Operating Temperature	0C to 50C (32F to 122F)
Storage Temperature	-10C to 70C (14F to 158F)
Humidity	5~95% RH (Non-Condensing)

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**Physical Characteristics**

Color	Black
Material	Steel
Product Length	3.7 in [94.0 mm]
Product Width	2.8 in [70.3 mm]
Product Height	1.0 in [26.2 mm]
Weight of Product	7.1 oz [202.0 g]

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**Packaging Information**

Package Length	12.0 in [30.5 cm]
Package Width	7.1 in [18.0 cm]
Package Height	3.5 in [90.0 mm]
Shipping (Package) Weight	3.6 lb [1.6 kg]

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**What's in the Box**

Included in Package	4 Port Gigabit PoE+ Injector
	Universal Power Adapter
	Power Cords (NA/JP, EU, UK, ANZ)
	DIN Rail Mount
	Instruction Manual

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

