

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

**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+<br><br>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) | 2 - RJ-45 |
|-------------------|-----------|

## 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 POEINJ1G will not inject power to the connected device(s) / Ethernet cable(s)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Indicators

|                |           |
|----------------|-----------|
| LED Indicators | 1 - Power |
|----------------|-----------|

## Power

|                              |                     |
|------------------------------|---------------------|
| Power Source                 | AC Adapter Included |
| Input Voltage                | 100 - 240 AC        |
| Input Current                | 1.5A                |
| Output Voltage               | 55V DC              |
| Output Current               | 0.6 A               |
| Center Tip Polarity          | Positive            |
| Plug Type                    | M                   |
| Power Consumption (In Watts) | 33                  |

## 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 [6.3 cm] |
| Product Height    | 1.0 in [2.5 cm] |
| Weight of Product | 1.8 oz [50 g]   |

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#### Packaging Information

|                           |                  |
|---------------------------|------------------|
| Package Length            | 6.2 in [15.7 cm] |
| Package Width             | 8.0 in [20.2 cm] |
| Package Height            | 2.4 in [6.2 cm]  |
| Shipping (Package) Weight | 1.1 lb [0.5 kg]  |

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#### What's in the Box

|                     |                        |
|---------------------|------------------------|
| Included in Package | 1 - POE+ Injector      |
|                     | 4 - Mounting Screws    |
|                     | 1 - Instruction Manual |
|                     | 1 - Power Adapter (NA) |

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#### Warranty Information

|          |         |
|----------|---------|
| Warranty | 2 Years |
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*\*Product appearance and specifications are subject to change without notice.*