

## Industrial 1 Port Gigabit PoE+ Power over Ethernet Injector (30W) w/ Non-Standard PoE Boost (60W) and Redundant Power

**Product ID:** POEINJ1GI



The POEINJ1GI Industrial Gigabit PoE+ Injector provides power and data connectivity to a Gigabit PoE-compliant device over standard Ethernet cabling at distances of up to 330ft (100m), and offers redundant, wide-range DC power inputs. This injector allows you to easily connect a PoE-powered device (PD) to a non-PoE LAN switch, avoiding the cost of upgrading your switch to a PoE-enabled model.

Providing seamless power failover in the event of power dips or failures, the injector features redundant 20-57V DC (nominal 24/48V DC) terminal block power inputs. The internal DC-DC converter provides the PoE injector with high voltage output from a low voltage input (<24V DC). When used with multiple power sources, the injector also supports alarm relay contacts, which can be wired to your existing alarm circuit to give you instant notice when a power disruption occurs.

Fully compliant with IEEE 802.3at / 802.3af, the injector provides a 10/100/1000Mbps port with support for up to 30 Watt max output, and up to 60 Watts output for non-standard PoE devices.

To ensure dependable performance in harsh environments this power over Ethernet injector features a rugged, IP-30 case design with flexible DIN rail or wall-mountable installation options.

Backed by a 2-year StarTech.com warranty and free lifetime technical support.

## Certifications, Reports and Compatibility

### Applications

- Ideal for high-power PoE+ devices requiring Gigabit speeds such as a security camera or network webcam in remote areas where a power connection is not available
- Power non-standard, high-draw PoE devices such as seasonal cameras with fans or heaters

- Industrial locations where critical equipment requires backup power
- Perfect for powering a Wireless Access Point (WAP) in a business environment
- Retail applications such as RFID readers
- Enable remote installation of touchscreens or information kiosks

## Features

- 1 PoE+ / PSE(Power + Data), 10/100/1000Mbps compliant port
- Supports standard power outputs up to 15.4W PoE, and 30W PoE+
- Supports non-standard power output up to 60W PoE
- Redundant power inputs via 24/48V DC terminal block with alarm relay
- Accepts wide-range 20-57V DC power input
- DC to DC 24V step-up converter
- Fully compliant with IEEE 802.3at / 802.3af
- IP-30 rugged case design
- DIN-Rail and wall-mountable

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## Hardware

Warranty	2 Years
Ports	1
Regulatory Approvals	EN61000-6-2 EN61000-4-3 (RS) EN61000-4-6 (CS) EN61000-4-8 (PMF, Magnetic Field) EN50121-4 EN610000-6-2 EN61000-6-4  Shock: IEC 60068-2-27 Freefall: IEC 60068-2-32

Vibration: IEC 60068-2-6

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

**Performance**

Maximum Data Transfer Rate	1Gbps
Max Distance	100 m / 330 ft
Surge Protection	EN61000-4-2 (ESD) EN61000-4-4 (EFT) EN61000-4-5 (Surge)
General Specifications	Power Output: Standard PoE+: 30 Watts max Non-Standard PoE: 60 Watts max

**Connector(s)**

Connector Type(s)	RJ-45 Terminal Block (6 Wire)
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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>
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**Indicators**

LED Indicators	Power
	Fault
	2/4 Pair
	PoE

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**Power**

Power Source	Terminal Block
Input Voltage	20 ~ 57 DC

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**Environmental**

Operating Temperature	0C to 60C (32F to 140F)
Storage Temperature	-40C to 85C (-40F to 185F)
Humidity	5~95% RH (Non-Condensing)

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**Physical Characteristics**

Color	Black
Material	Steel
Product Length	5.6 in [14.2 cm]
Product Width	4.2 in [10.6 cm]
Product Height	1.5 in [39 mm]
Weight of Product	22.5 oz [637 g]

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**Packaging Information**

Package Length	9.1 in [23 cm]
Package Width	7.3 in [18.5 cm]
Package Height	3.0 in [75 mm]
Shipping (Package) Weight	31.0 oz [878 g]

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**What's in the Box**



Included in Package	Gigabit PoE+ Injector
	DIN Rail Kit
	Wall Mount Bracket
	Terminal Block
	Instruction Manual

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

