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

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)	2 - RJ-45
	1 - Terminal Block (6 Wire)

Special Notes / Requirements

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

Indicators

	LED Indicators	2 - Power
		1 - Fault
		1 - 2/4 Pair
		1 - PoE

Power

	Power Source	Terminal Block
	Input Voltage	20 ~ 57 DC

Environmental

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

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 [3.9 cm]
	Weight of Product	22.5 oz [637 g]

Packaging Information

	Package Quantity	1
	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]

What's in the Box

Included in Package	1 - Gigabit PoE+ Injector
	1 - DIN Rail Kit
	1 - Wall Mount Bracket
	1 - Terminal Block
	1 - Instruction Manual

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