Industrial Gigabit PoE Injector - High Speed/High Power 90W - 802.3bt PoE++ 48V-56VDC DIN Rail UPoE/Ultra Power Over Ethernet Injector Adapter -40C to +75C Rugged
Product ID: POEINJ1G90W

This Gigabit Power over Ethernet (PoE+) injector supplies power and data connectivity to a Gigabit PoE-compliant device using a standard Ethernet cable.

Compatible with IEEE 802.3bt and most previous 90W proprietary PoE (Ethernet) standards, including PoH (HDBaseT), Cisco uPoE, Bosch, and AXIS. One product can cover multiple use requirements to improve standardization and deployment and dual power terminal block inputs provide redundancy for critical applications.

As many typical PoE-enabled switches max out at 30W a high 90W power budget is perfect for demanding Type 3 and Type 4 PoE applications like tilt and pan cameras and high power IEEE 802.11ax wireless access points.

Industrial features include -40 C to 75 C operating temperature, IP-30 rated housing, vibration, shock, and free-fall standard testing.
Vibration: EN 60068-2-6
Shock: EN 60068-2-27
Free-fall: EN 60068-2-32

500,000+ hours MTBF rating using Telcordia/Bellcore at 50C for long-term reliability.

The POEINJ1G90W is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

Applications

Features

• WIDE STANDARD COMPATIBILITY: High speed Industrial Gigabit PoE Injector compatible w/ IEEE 802.3bt (PoE++) & previous 90W proprietary POE standards including PoH (HDBase-T), Cisco uPoE, Bosch & AXIS
• 90W POWER BUDGET: Provides up to 90W of auto-negotiated power output for Type 3 and Type 4 PoE/Ultra/UPoE applications like tilt and pan cameras and high power IEEE 802.11ax wireless access points
• TECH SPECS: 1 Gbps 48V-56VDC Power Input IEEE 802.3af IEEE 802.3at IEEE 802.3bt 90W max PoH (HDBase-T) uPoE 10/100/1000 Mbps Auto Negotiation DIN/Wall Mountable Redundant Power Input
• PERFORMANCE & RELIABILITY: MTBF is 500,000+hrs @ 50C Vibration, shock & free fall rated IP-30 aluminum housing Hardened operating temp of -40C to 75C
• STARTECH.COM ADVANTAGE: Power over Ethernet Injector Adapter includes mounting hardware for DIN/wall mounting and is backed by a 2-year warranty and lifetime 24/5 multilingual technical support

Hardware	Warranty	2 Years
	Ports	2
	Industry Standards	IEEE 802.3 10BASE-T</br>IEEE 802.3u 100BASE-TX</br>IEEE 802.3ab 1000BASE-T</br>IEEE 802.3at PoE Plus</br>IEEE 802.3af Power over Ethernet</br>IEEE 802.3bt
	Chipset ID	
		Microsemi PD69204

Performance	Maximum Cable Length	328.0 ft [100 m]
	Surge Protection	2kV</br>
	Compatible Networks	10/100/1000 Mbps
	Auto MDIX	Yes
	Full Duplex Support	Yes
	Jumbo Frame Support	9K max.
	General Specifications	ESD Standard: IEC 61000-4-2: Contact: 6KV; Air: 8KV</br>EFT Standard: IEC 61000-4-4: Power: 2KV; Signal: 2KV</br>Surge Standard: IEC 61000-4-5: Power: 2KV; Signal: 2KV</br>Vibration Standard: EN 60068-2-6</br>Shock Standard: EN 60068-2-27</br>Free-Fall Standard: EN 60068-2-32</br>Housing Standard: IP-30</br>Safety Standard: EN60950-1
	MTBF	
	Supported Protocols	
		540,891 hours
		CSMA/CD</br>IEEE 802.3at</br>IEEE 802.3af</br>IEEE 802.3bt</br>

Connector(s)	Connector Type(s)	Ethernet Gigabit
	Connector Type(s)	RJ-45 (PoE+)
	Connector Type(s)	Terminal Block (4 Wire)

Special Notes / Requirements	Patents and Licenses	United States Patent No. 5,406,260 (expired) </br>United States Patent No. 6,650,622</br>United States Patent No. 7,457,250</br>United States Patent No. 8,155,012</br>United States Patent No. 8,902,760</br>United States Patent No. 8,942,107</br>United States Patent No. 9,019,838</br>United States Patent No. 9,049,019</br>

United States Patent Application No. 14/695,456</br>United States Patent Application No. 14/726,940</br>

Indicators	LED Indicators	Power
	LED Indicators	PoE
Power	Plug Type	N
Environmental	Operating Temperature	-40C to 75C
	Storage Temperature	-40C to 85C
	Humidity	5 to 95% (non-condensing)
Physical Characteristics	Color	Black
	Material	Aluminum
	Cable Length	328.0 ft [100 m]
	Product Length	3.2 in [81.500 mm]
	Product Width	1.3 in [32.000 mm]
	Product Height	4.1 in [1.0 cm]
	Weight of Product	6.1 oz [174.000 g]
Packaging Information	Package Length	6.4 in [1.6 cm]
	Package Width	8.3 in [2.1 cm]
	Package Height	2.5 in [64 mm]
	Shipping (Package) Weight	14.7 oz [416 g]
What's in the Box	Included in Package	Industrial-Grade PoE Injector
	Included in Package	Mounting Hardware Kit
	Included in Package	Quick-Start Guide
	Included in Package	Terminal Block

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