



Industrial 95W Gigabit PoE++ Injector

TI-IG90 (v3.xR)

- Hardened IP50 rated Gigabit PoE++ Injector
- PoE (15.4W), PoE+ (30W), or PoE++ (95W) power
- Network a PoE device located up to 100m (328 ft.) away
- Extreme - 40° — 75° C (-40° — 167° F) operating temperature range
- Redundant power inputs with overload current protection
- 6kV RJ45 Ethernet surge protection
- Includes DIN-rail mount and wall mount
- Power supply sold separately (model: TI-S15052)
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's TI-IG90 is a reliable IP50 rated Industrial Gigabit PoE++ Injector with hardened components rated for extreme and rugged industrial environments. Connect the TI-IG90 industrial PoE injector to a non-PoE gigabit switch, and then run an Ethernet cable up to 100 meters (328 ft.) to network a PoE device. The TI-IG90 industrial PoE injector supplies power to a PoE, PoE+, or PoE++ (up to 95W) device. This industrial PoE injector features dual redundant power inputs with overload current protection to support zero downtime applications. Both DIN-rail and wall mount hardware are included with the industrial PoE injector.



PoE++

Supplies power to a PoE (up to 15.4W), PoE+ (up to 30W), or PoE++ (up to 95W) device.



Fault Tolerance

48 – 57V DC power input with overload current protection; power supply sold separately (model: TI-S15052)



Installation Flexibility

A rugged IP50 rated metal enclosure with DIN-rail and wall mount brackets accommodate most installations scenarios.

FEATURES



PoE++

Supplies power to a PoE (up to 15.4W), PoE+ (up to 30W), or PoE++ (up to 95W) device



Gigabit Ports

1 x Gigabit port and 1 x Gigabit PoE++ port



PoE Distance

Provides a PoE network connection up to 100m (328 ft.) away from the industrial PoE injector



LED Indicators

LED indicators on the industrial PoE injector convey power and PoE connectivity



Fault Tolerance

48 – 57V DC power input with overload current protection; power supply sold separately (model: TIS15052)



Dust Protected

The industrial PoE injector's IP50-rated metal housing provides ingress protection from dust



Extreme Temperature Range

Operates within an extreme operating temperature range of -40° – 75° C (-40° – 167° F)



Shock and Vibration Resistant

Rated for shock (EN 60068-2-27), freefall (EN 60068-2-31), and vibration (EN 60068-2-6)



Electro Magnetic Compliance

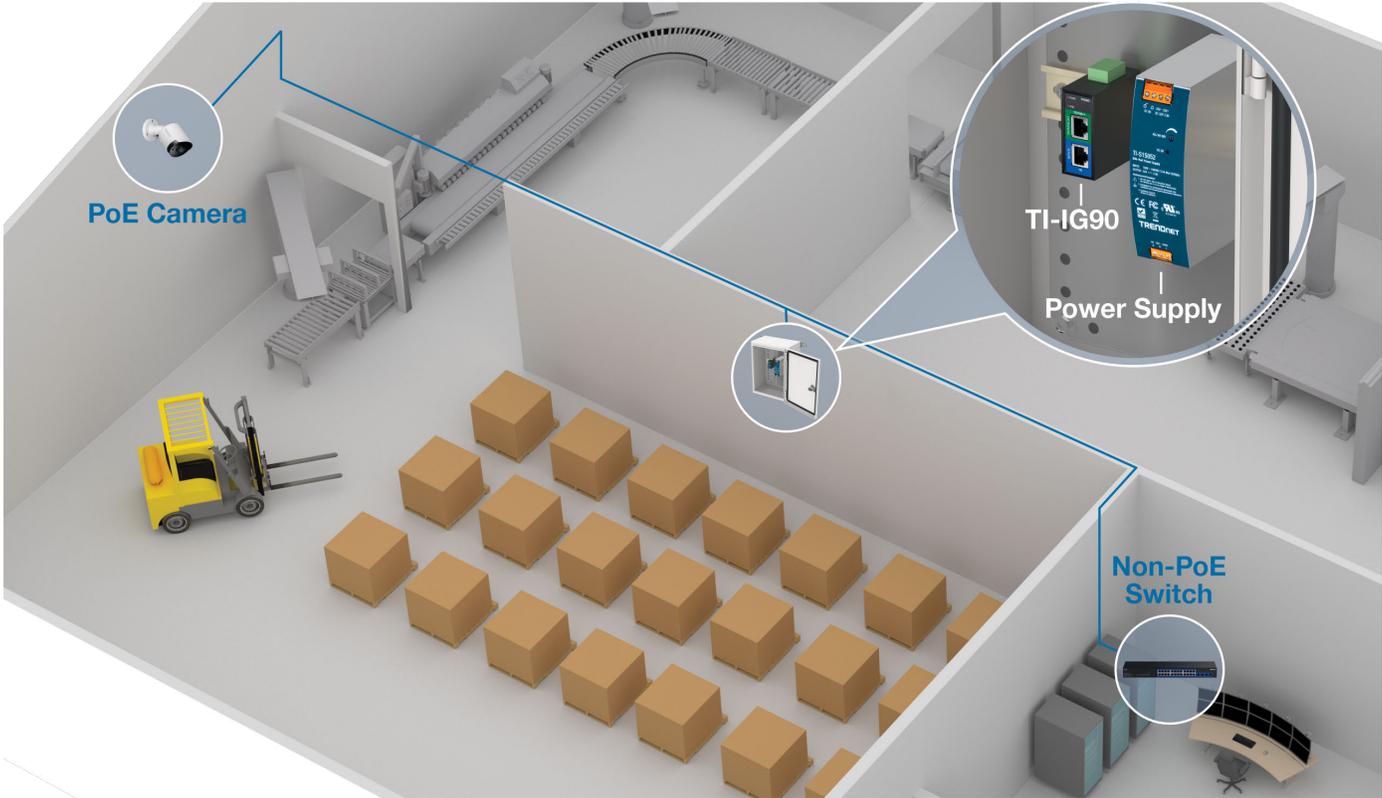
Complies with industrial EMS certifications ESD (IEC 61000-4-2): Level 3 Contact: 6kV, Air: 8kV; EFT (IEC 61000-4-4): Power 2kV, Signal: 1kV; Surge (IEC 61000-4-5): Power: 2kV, Signal: 6kV



Grounding Point

Industrial PoE injector features grounding point to protect equipment from external electrical surges

NETWORKING SOLUTION



SPECIFICATIONS

Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3af
- IEEE 802.3at
- IEEE 802.3bt

Device Interface

- 1 x Gigabit port (10Mbps/100Mbps/1Gbps)
- 1 x Gigabit PoE++ port (10Mbps/100Mbps/1Gbps)
- 4-pin power terminal block
- LED indicators

Power

- Input: 48 – 57V DC
- Compatible power supply: TI-S15052 (sold separately)
- Max. consumption: 10.6W (without PoE) @ 56V DC

PoE

- PoE budget: 95W
- Pins 3, 4, 5, 6 +; 1, 2, 7, 8 -

Terminal Block

- Redundant power inputs, 4 pin
- Wire range: 0.34mm² to 2.5mm²
- Solid wire (AWG): 14-22
- Stranded wire (AWG): 14-22
- Torque: 4.4 lb. – In
- Wire strip length: 7-8mm

MTBF

- 7,531,265 hours @ 25° C

Housing

- IP50 metal case
- DIN-Rail mount
- Wall mount
- Grounding point
- 6kV ESD protection
- 6kV RJ45 surge protection

Operating Temperature

- -40° — 75° C (-40° — 167° F)

Operating Humidity

- Max. 95% non-condensing

Dimensions (L x W x H)

- 60 x 60 x 25 mm (4.1 x 3.2 x 1.2 in.)

Weight

- 134g (4.47 oz.)

Certifications

- CE
- FCC
- LVD
- Shock (IEC 60068-2-27)
- Freefall (IEC 60068-2-31)
- Vibration (IEC 60068-2-6)
- IEC 61000-4-2
- IEC 61000-4-4
- IEC 61000-4-5

Warranty

- 3-year

Package Contents

- TI-IG90
- Removable terminal block
- DIN-rail and wall mount kit

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.