

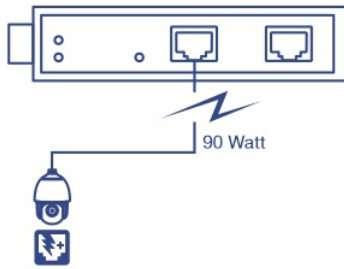


Hardened Industrial 90W Gigabit PoE++ Injector

TI-IG90 (v1.0R)

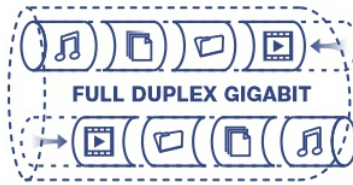
- Hardened IP30 rated Gigabit PoE++ Injector
- PoE (15.4W), PoE+ (30W), or PoE++ (90W) power
- Network a PoE device located up to 100m (328 ft.) away
- Extreme -40 to 75 °C (-40 to 167 °F) operating temperature range
- Redundant power inputs with overload current protection
- Includes DIN-rail mount and wall mount
- Power supply sold separately (model TI-S12048)

TRENDnet's TI-IG90 is a reliable IP30 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+, UPoE, or PoE++ (up to 90W) device. This industrial PoE injector features 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.



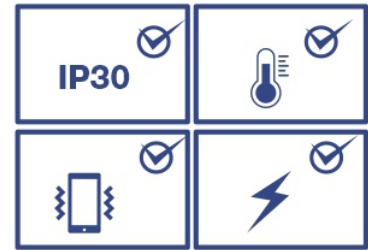
4-Pair PoE

Supplies power to a PoE (up to 15.4W), PoE+ (up to 30W), or PoE++ (up to 90W) device.



Gigabit Ports

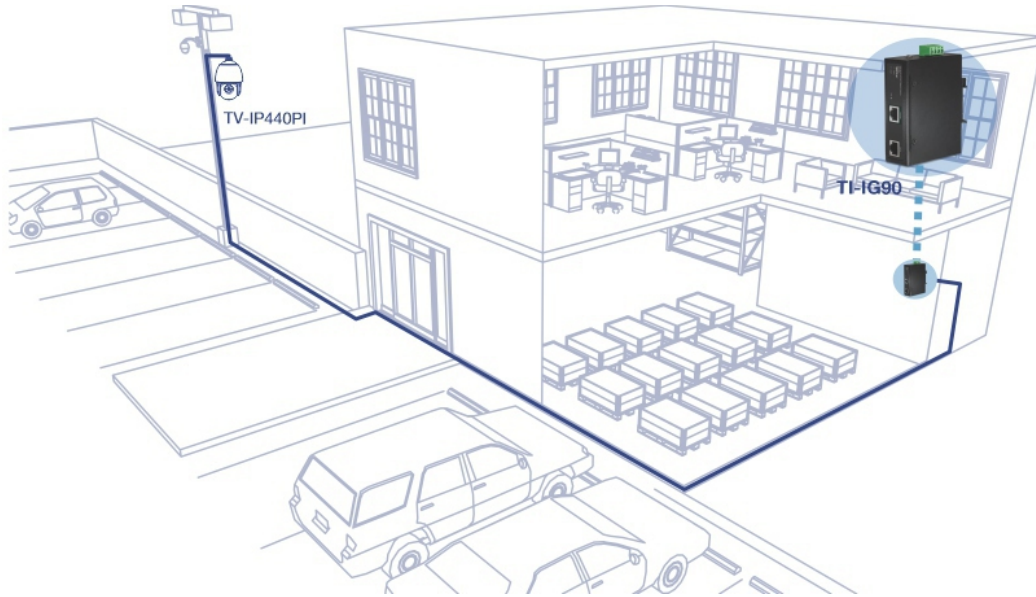
The industrial PoE injector features 1 x gigabit port and 1 x gigabit PoE++ port.



Installation Flexibility

A rugged IP30 rated metal enclosure with DIN-rail and wall mount brackets accommodate most installations scenarios.

NETWORKING SOLUTION



FEATURES



4-Pair PoE (PoE++)

Supplies power to a PoE (up to 15.4W), PoE+ (up to 30W), or PoE++ (up to 90W) device



Gigabit Ports

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



Easy Installation

No configuration needed, simply connect a PoE network device to the industrial PoE injector



PoE Distance

Provides a 4-Pair PoE network connection up to 100m (328 ft.) away from the industrial PoE injector



Shock and Vibration Resistant

Rated for shock (EN 60068-2-27), freefall (EN 60068-2-32), and vibration (EN 60068-2-6)



DIN-Rail Mount

IP30 rated metal enclosure, includes DIN-rail mount and wall mount brackets



Redundant Power

Redundant power inputs with overload current protection (power supply sold separately, model: TI-S12048)



Alarm Relay

Alarm relay output triggered by power failure of primary and / or redundant power



Wide Temperature Range

A wide operating temperature range of -40° – 75° C (-40° – 167° F) allows for installations in industrial environments with extreme hot or cold conditions



LED Indicators

LED indicators on the industrial PoE injector confirm PoE connectivity



Grounding Point

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

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
- 1 x PoE++ Gigabit port
- 4-pin removable terminal block
- LED indicators
- DIN-Rail mount
- Wall mount
- Grounding point

Data Transfer Rate

- Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)
- Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)
- Gigabit: 2000Mbps (full duplex)

Power

- Input: 52 – 56 V DC
- Compatible power supply: TI-S12048 (sold separately)
- Max. consumption (PoE): 95W

PoE

- PoE budget: 90W
- Pin 3,6 for power+ and pin 1,2 for power-
- Pin 4,5 for power+ and pin 7,8 for power-

Terminal Block

- Redundant power inputs, 4 pin
- Wire range: 0.34mm² to 2.5mm²
- Solid wire (AWG): 12-24/14-22
- Stranded wire (AWG): 12-24/14-22
- Torque: 5 lb. – In / 0.5Nm / 0.56 Nm
- Wire strip length: 7-8mm

Special Features

- 90W 4-Pair PoE port
- Hardened components rated for extreme temperatures
- Redundant power inputs
- Auto-Negotiation
- ESD contact 6kV, air 8kV, and surge 2kV protection

Housing

- IP30 metal case
- DIN-rail mount
- Wall mount
- Grounding point
- 6kV contact, 8kV air ESD protection
- 2kV surge protection

MTBF

- >716,685 hours

Operating Temperature

- - 40° — 75° C (-40° — 167° F)

Operating Humidity

- Max. 95 % non-condensing

Dimensions (L x W x H)

- 104 x 82 x 32mm (4.1 x 3.2 x 1.2 in.)

Weight

- 154g (5.4 oz.)

Certifications

- CE
- FCC
- IEC EN60950-1
- Shock (IEC 60068-2-27)
- Freefall (IEC 60068-2-32)
- Vibration (IEC 60068-2-6)

Warranty

- 3 year

Package Contents

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