



## TI-IG90 (V1.0R) SETUP INFO

UPC #	710931161595
Master Carton UPC #	10710931161592
Product Page	<a href="http://www.trendnet.com/products/product-detail.asp?prod=190_TI-IG90">http://www.trendnet.com/products/product-detail.asp?prod=190_TI-IG90</a>
Additional Images	<a href="http://www.trendnet.com/support/support-detail.asp?prod=190_TI-IG90">http://www.trendnet.com/support/support-detail.asp?prod=190_TI-IG90</a>
Alternate Product Name	Hardened Industrial 90W Gigabit PoE++ Injector
Key Search Words	4-Pair PoE injector, Poe injector, poe+ injector, PoE++, UPoE, 802.3bt, gigabit poe injector, gigabit poe+ injector, power over Ethernet, gigabit power over Ethernet, poe switch, gigabit poe switch, poe adapter, gigabit poe adapter, ieee 802.3af, ieee 802.3at, power injector, poe splitter, power over Ethernet switch, poe access point, Industrial poe injector, hardened power over Ethernet injector, DIN-Rail poe injector, poe Ethernet injector, DIN-Rail, din rail injector, din rail mount, 10/100/1000, 10/100/1000mbps, Gigabit, Ethernet, metal, 1Gbps, Power over Ethernet, hardened, dual redundant power supply, alarm output, extreme temperature, IP30, DIN-Rail, integrated, unmanaged, overload protection, wall mount, media converter, industrial, hardened, high power poe, 90 watt poe, IP30 rated, rugged
Package Dimensions	22 x 17.0 x 6.5cm (9 x 7 x 3 in.)
Package Weight	0.80kg (1.98 lbs.)
Unit Qty per Case	10
Case Dimension	37 x 38 x 26cm (15 x 15 x 11 in.)
Case Weight	7.31kg (18 lbs.)
Harmonized Tarriff Code	8525803010
ECCN	5A991
Country of Origin	Taiwan
Product Availability Date	July 2019
Warranty	3 year
MSRP	\$204.99

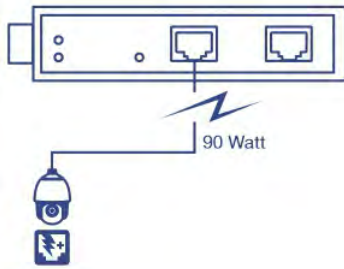


## Hardened Industrial 90W Gigabit PoE++ Injector

TI-IG90 (v1.0R)

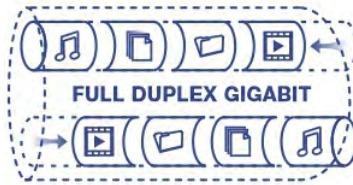
- Hardened IP30 rated Gigabit PoE++ Injector
- PoE (15.4W), PoE+ (30W), or PoE++ (90W) power
- Network a PoE device located up to 100m (328 ft.) away
- Extreme -40 to 75 °C (-40 to 167 °F) operating temperature range
- Redundant power inputs with overload current protection
- Includes DIN-rail mount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



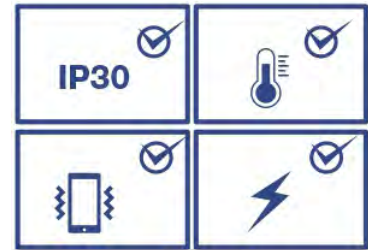
### 4-Pair PoE

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



### Gigabit Ports

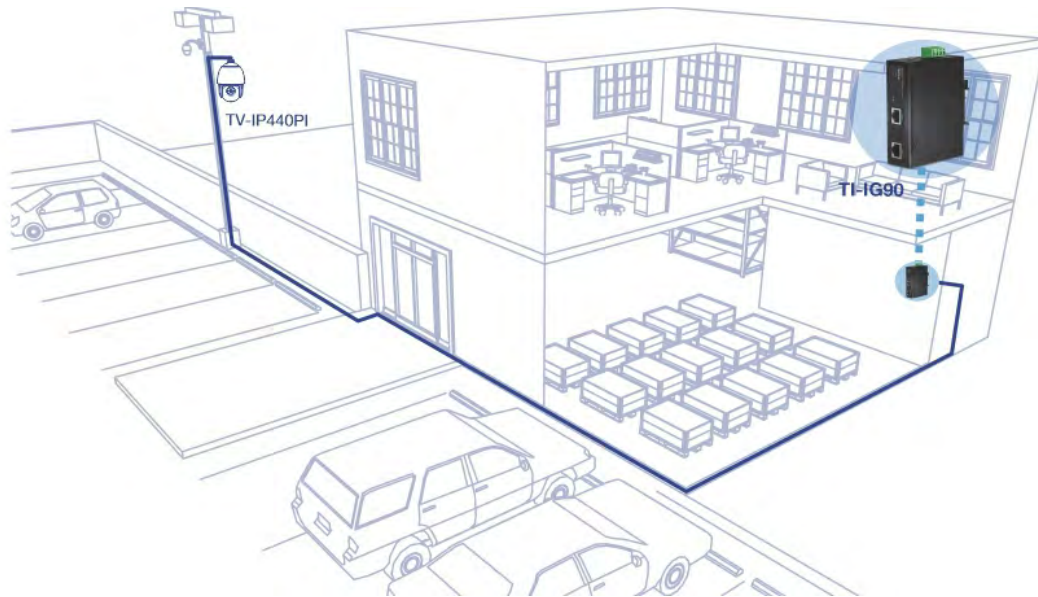
The industrial PoE injector features 1 x gigabit port and 1 x gigabit PoE++ port.



### 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



### PoE Distance

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



### Redundant Power

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



### LED Indicators

LED indicators on the industrial PoE injector confirm PoE connectivity



### Gigabit Ports

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



### Shock and Vibration Resistant

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



### Alarm Relay

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



### Grounding Point

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



### Easy Installation

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



### DIN-Rail Mount

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



### 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

## 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: 0.34mm<sup>2</sup> to 2.5mm<sup>2</sup>
- 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