



## Hardened Industrial Gigabit PoE+ Injector

### TI-IG30 (v1.0R)

- Hardened IP30 rated Gigabit PoE+ Injector
- High power PoE+
- Network a PoE device located up to 100 meters (328 ft.) away
- Extreme -40 to 75 °C (-40 to 167 °F) operating temperature range
- Dual redundant power inputs with overload current protection
- Includes DIN-Rail and wall mounts
- Power supply sold separately (model TI-S12048)

TRENDnet's TI-IG30 is a reliable IP30 rated Industrial Gigabit PoE+ Injector with hardened components rated for extreme industrial environments. Connect the TI-IG30 to a non-PoE Gigabit switch and then run an Ethernet cable up to 100 meters (328 ft.) to network a PoE, PoE+, or high power PoE+ device. Dual redundant power inputs (power supply sold separately: TI-S12048) with overload current protection support zero downtime applications. Both DIN-Rail and wall mount hardware is included.



**Plug and Play**  
Plug and play PoE network devices



**PoE/PoE+**  
Supplies power to a PoE (up to 15 W) and PoE + (up to 30 W) device



**Gigabit Ports**  
1 x Gigabit Ethernet port and 1 x PoE+ Gigabit Ethernet port



**Extension Distance**  
Extends a PoE network connection up to 100 meters (328 ft.)



**DIN-Rail/Wall Mounts**  
IP30 rated metal enclosure with included DIN-Rail and wall mount hardware



**Redundant Power**  
Dual redundant power inputs with overload current protection (power supply sold separately: model TI-M6024)



**Extreme Temperatures**  
Hardened converter is rated for an operating temperature range of -40 to 75 °C (-40 to 167 °F)



**Electro Magnetic Compliance**  
Complies with FCC Part 15 Subpart B Class A and CE EN 55022 Class A standards



**Certifications**  
Rated for information technology (ITE) equipment (EN55022/24) and industrial, scientific, and medical (ISM) Equipment (EN55011)



**Shock and Vibration Resistant**  
Rated for shock (IEC 60068-2-27), freefall (IEC 60068-2-32), and vibration (IEC 60068-2-6)



**Grounding Point**  
Grounding point protects equipment from external electrical surges



**LED indicators**  
LED indicators confirm PoE and network connectivity

## Networking Solution



- 1 Terminal block slot
- 2 Grounding point
- 3 LED indicators
- 4 Gigabit PoE+ port
- 5 Gigabit port
- 6 Wall mounting kit
- 7 Terminal block
- 8 Screws
- 9 DIN-Rail mount

## Specifications

### Standards

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

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

### Special Features

- Hardened components rated for extreme temperatures
- Dual redundant power inputs
- Auto-Negotiation
- ESD 8 KV and Surge 6 KV protection

### Power

- Input: 48 – 56 V DC
- Compatible power supply: TI-S12048 (sold separately)
- Consumption: Max. 36 Watts

### PoE

- PoE budget: 30 Watts
- Pin 1,2 for power+ and pin 3,6 for power- (mode A)

### Terminal Block

- Redundant power inputs, 4 pin
- Wire range: 0.34 mm<sup>2</sup> to 2.5 mm<sup>2</sup>
- Solid wire (AWG): 12-24/14-22

- Stranded wire (AWG): 12-24/14-22
- Torque: 5 lb. – In / 0.5 Nm / 0.56 Nm
- Wire strip length: 7 – 8 mm

### MTBF

- 510,304 hours

### Housing

- IP30 metal case
- DIN-Rail mount
- Wall mount
- Grounding point
- 8 KV ESD protection
- 6 KV surge protection

### Operating Temperature

- - 40 to 75 °C (-40 to 167 °F)

### Operating Humidity

- Max. 95 % non-condensing

### Dimensions

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

### Weight

- 134 g (4.7 oz.)

### Certifications

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

### Warranty

- 3 year

### Package Contents

- TI-IG30
- Quick Installation Guide
- Removable terminal block
- DIN-Rail and wall mount kit

