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 ºC (-40 to 167 ºF) 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 ºC (-40 to 167 ºF)

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)
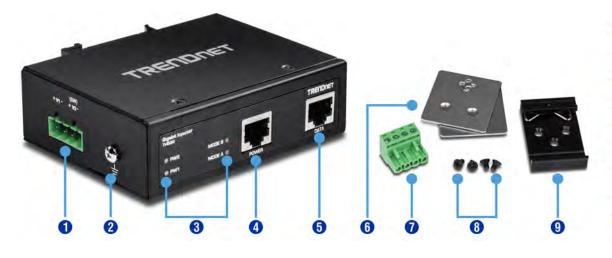
Grounding Point
Grounding point protects equipment from external electrical surges

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

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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^2 to 2.5 mm^2
- 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