Industrial 10G PoE++ Injector

TI-IG319 (V2)

- 1 x 10G PoE++ port (Data + PoE out)
- 1 x 10G port (Data in)
- 120W PoE power budget
- Supports PoE (15.4W), PoE+ (30W), and PoE++ (95W) devices
- Uses IEEE 802.3af, IEEE 802.3at, and IEEE 802.3bt industry PoE standards for greater device interoperability
- Network a PoE device located up to 100m (328 ft.)
- Fanless design eliminates operating noise and lowers energy consumption
- Extreme operating temperature range -40° – 75° C (-40° – 167° F)
- Includes DIN-Rail mount and wall mount
- Power supply sold separately (model: TI-S15052)
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's Industrial 10G PoE++ Injector, model TI-IG319, allows users to add PoE++ power to a non-PoE switch. Connect the 10G PoE++ injector to a non-PoE switch, and then run an Ethernet cable up to 100 meters (328 ft.) to network a PoE/PoE+/PoE++ device. This multi-gig industrial PoE++ injector supplies up to 120W of power to PoE devices. The fanless design conveniently eliminates operating noise and lowers energy consumption. The industrial 10G injector is equipped with an IP50 rated metal enclosure, designed to withstand a high degree of vibration and shock, while operating within a temperature range of -40° – 75° C (-40° – 167° F) for extreme industrial environments.

PoE++

This industrial 10G PoE++ injector supplies up to 120W of power to a PoE devices.

10G Ports

Features a high-speed 10G port (data in) and a high-speed 10G PoE++ port (data + PoE out).

Industrial Design

IP50 rated metal enclosure with a high degree of vibration and shock resistance, and a extreme operating temperature range of -40° – 75° C (-40° – 167° F).

FEATURES

PoE++
This industrial 10G PoE++ injector supplies up to 120W of power to PoE (IEEE 802.3af), PoE+ (IEEE 802.3at), or PoE++ (IEEE 802.3bt) devices

Industrial Design
Equipped with an IP50 rated metal enclosure, designed to withstand a high degree of vibration and shock, while operating within an extreme temperature range of -40° – 75° C (-40° – 167° F) for industrial environments

10G Ports
1 x 10G port (data in) and 1 x 10G PoE++ ports (data + PoE out)

PoE Distance
Provides a PoE++ network connection up to 100m (328 ft.)

LED Indicators
LED indicators on the industrial 10G PoE++ injector conveys power, alarm, and PoE connectivity

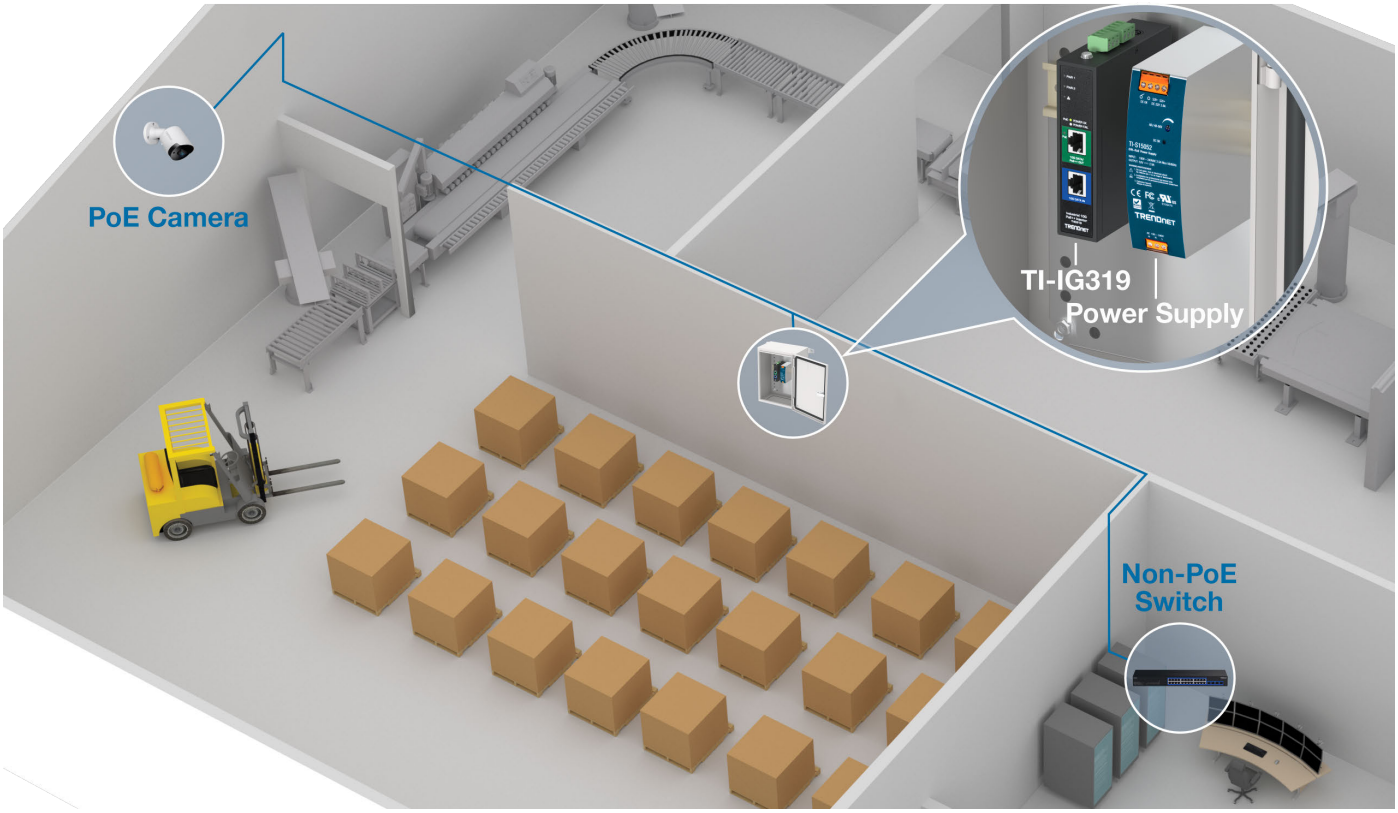
Shock and Vibration Resistant
Rated for shock (EN 60068-2-27), freefall (EN 60068-2-32), and vibration (EN 60068-2-6)

Grounding Point
Grounding point protects equipment from external electrical surges

Fanless Design
Fanless design on the industrial 10G PoE++ injector conveniently eliminates operating noise and lowers energy consumption

Housing Design
The industrial 10G PoE++ injector features a compact and sturdy metal housing for installation flexibility

NETWORKING SOLUTION



SPECIFICATIONS

Standards
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3af
- IEEE 802.3an
- IEEE 802.3at
- IEEE 802.3bt
- IEEE 802.3bz

Device Interface
- 1 x 10GBASE-T port (10M/100M/1G/2.5G/10G)
- 1 x 10GBASE-T PoE++ port (10M/100M/1G/2.5G/10G)
- 2 x 3-pin removable terminal block
- LED indicators

Power
- Input: 48 – 57V DC
- Compatible power supply: TI-S15052 (sold separately)
- Max. consumption: 8.3W @ 57V DC (without PD connected)

PoE
- PoE budget: 120W
- Pin 1, 2, 7, 8 for power – and pin 3, 4, 5, 6 for power +

Terminal Block
- 2 x 3-pin (power, ground, and alarm relay)
- Alarm Relay: 1A @ 24V DC
- Wire range: 0.34mm2 to 2.5mm2
- Solid wire (AWG): 14-22
- Stranded wire (AWG): 14-22
- Torque: 5 lb. – In / 0.395Nm
- Wire strip length: 7-8mm

MTBF
- 3,000,000 hours @ 25° C

Housing
- IP50 metal case
- DIN-rail mount
- Wall mount
- Grounding point
- Contact 6kV/Air 8kV ESD protection
- 6 kV RJ45 surge protection

Operating Temperature
- - 40° — 75° C (-40° — 167° F)

Operating Humidity
- Max. 95% non-condensing

Dimensions (L x W x H)
- 120 x 98 x 30mm (4.72 x 3.85 x 1.18 in.)

Weight
- 406g (14.3 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-IG319
- Removable terminal blocks
- 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.

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