TI-IG90 (V1.0R)
SETUP INFO

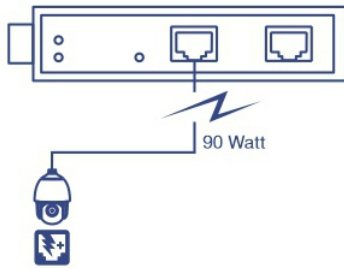|	
UPC #	710931161595
Master Carton UPC #	10710931161592
Product Page	http://www.trendnet.com/products/product-detail.asp?prod=190_TI-IG90
Additional Images	http://www.trendnet.com/support/support-detail.asp?prod=190_TI-IG90
Alternate Product Name	Hardened Industrial 90W Gigabit 4PPoE Injector
Key Search Words	4-Pair PoE injector, Poe injector, poe+ injector, 4PPoE, 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

TRENDnet®

Hardened Industrial 90W Gigabit 4PPoE Injector
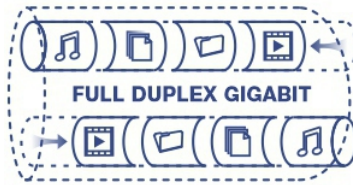
TI-IG90 (v1.0R)

- Hardened IP30 rated Gigabit 4PPoE Injector
- PoE (15.4W), PoE+ (30W), or 4PPoE (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 4PPoE 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 4PPoE (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.
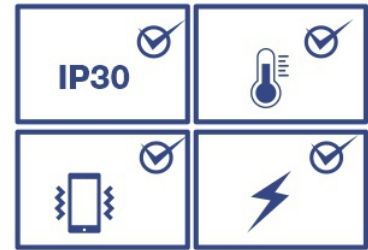
TRENDnet®

4-Pair PoE
Supplies power to a PoE (up to 15.4W), PoE+ (up to 30W), or 4PPoE (up to 90W) device.
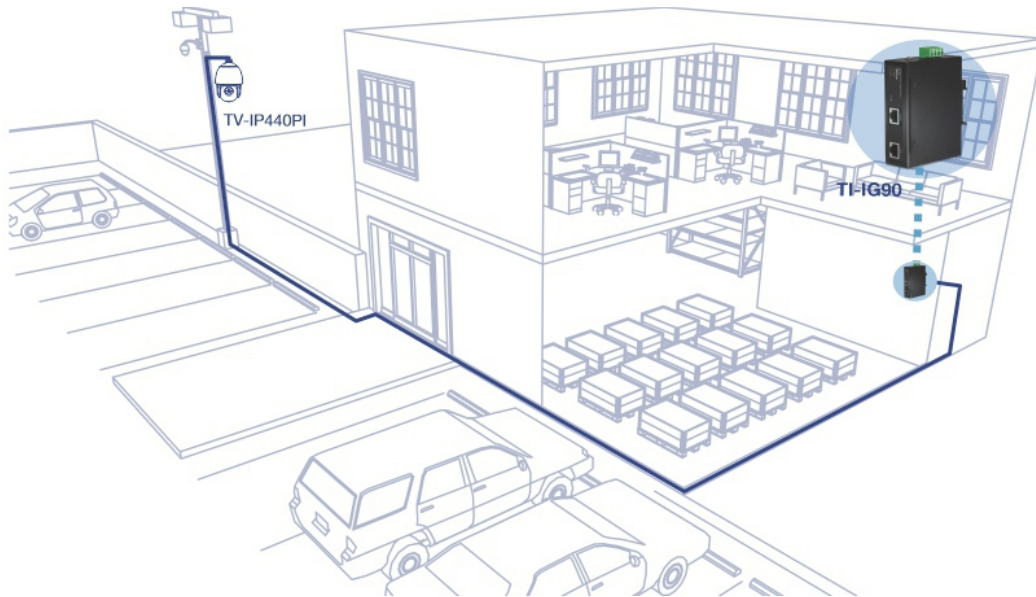
Gigabit Ports
The industrial PoE injector features 1 x gigabit port and 1 x gigabit 4PPoE port.

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

NETWORKING SOLUTION

TV-IP440PI

TI-IG90

4-pin removable terminal block

LED indicators

4PPoE Gigabit port

Gigabit port

+ V1 -   + V2 -

Terminal block port

Grounding point

IP30 metal case

DIN-Rail mount

Wall mount

FEATURES

4-Pair PoE (4PPoE)
Supplies power to a PoE (up to 15.4W), PoE+ (up to 30W), or 4PPoE (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 4PPoE 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 4PPoE 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): 72W

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^2 to 2.5mm^2
- 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