

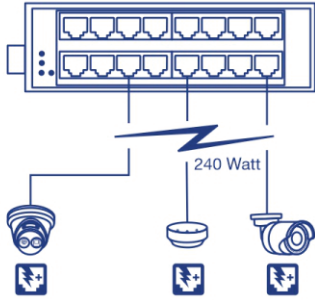


## 16-Port Industrial Gigabit PoE+ DIN-Rail Switch

TI-PG160 (v1.0R)

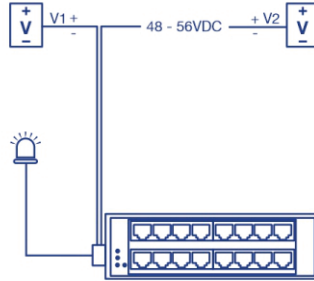
- 16 x Gigabit PoE+ ports
- 240W PoE power budget
- 32Gbps switching capacity
- Hardened IP30 rated metal switch
- Includes DIN-rail and wall mounts
- Operating temperature range of -40° – 75° C (-40° – 167° F)
- Dual redundant power inputs with overload current protection
- Alarm output triggered by power failure
- Power supply sold separately (models: TI-S24048, TI-S48048)

TRENDnet's 16-Port Industrial Gigabit PoE+ DIN-Rail Switch, model TI-PG160, has sixteen gigabit PoE+ ports with a 240W PoE power budget. Users are able to connect sixteen PoE+ devices to the industrial PoE switch, while still providing two gigabit ports for additional network connections. The industrial PoE switch is equipped with an IP30 rated metal enclosure, designed to withstand a high degree of vibration and shock, while operating within a wide temperature range of -40° – 75° C (-40° – 167° F) for industrial environments.



### PoE Power

A 240W PoE+ power budget supplies up to sixteen Power over Ethernet devices with PoE+ power.



### Fault Tolerance

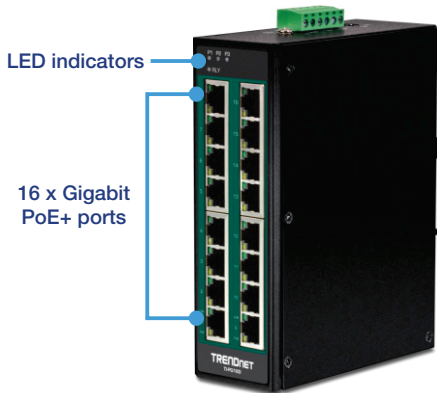
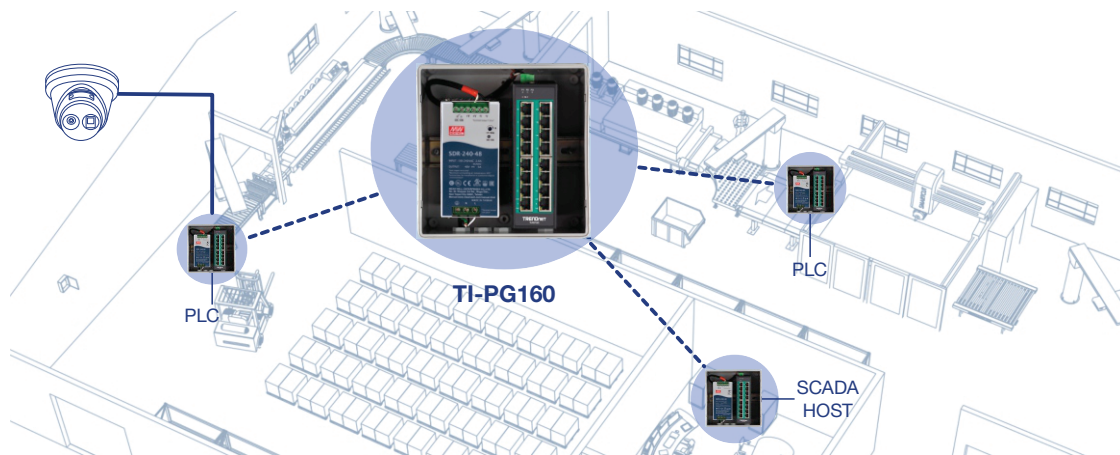
The industrial PoE switch features dual redundant power inputs with output alarm relay.



### Industrial Design

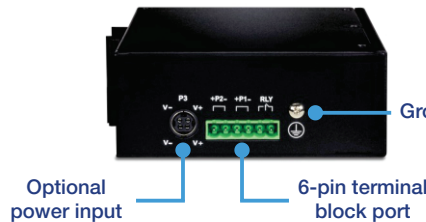
Equipped with a rugged IP30 rated housing, designed to withstand a high degree of vibration and shock, and operate within a wide temperature range of -40 – 75° C (-40 – 167° F).

## NETWORKING SOLUTION



LED indicators

16 x Gigabit PoE+ ports



Optional power input

6-pin terminal block port

IP30 rated metal enclosure

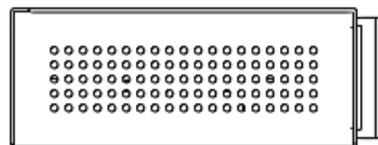
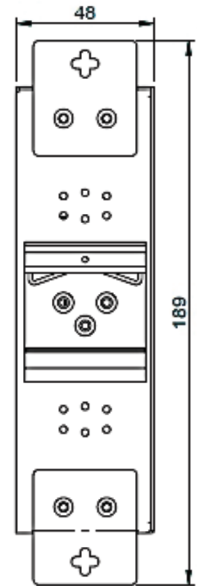
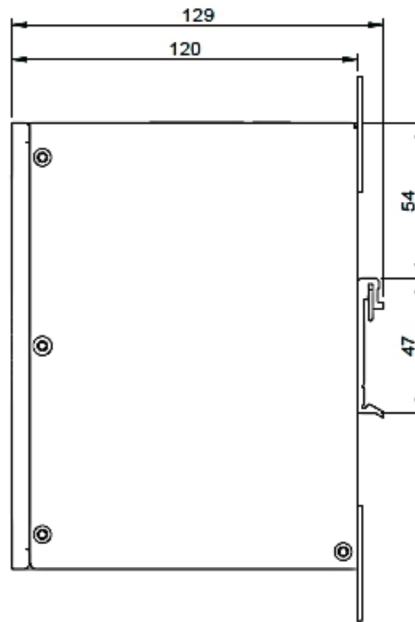
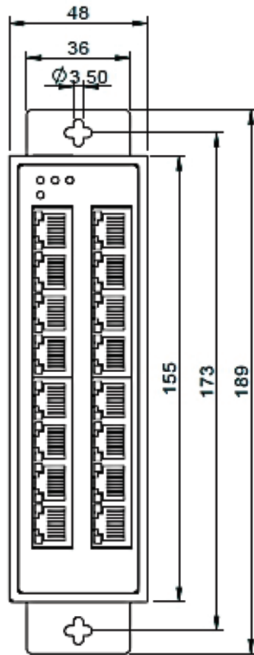
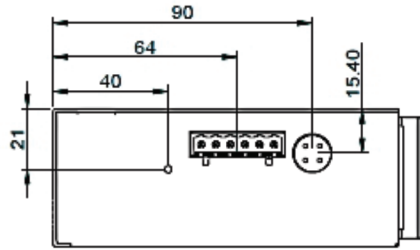
Grounding point



6-pin removable terminal block

DIN-rail mount

## Housing Dimension (mm)



## FEATURES



### PoE+ Power Budget

Supplies up to 30W of PoE/PoE+ power per port on the industrial PoE switch with a 240W PoE power budget



### Network Ports

Industrial PoE switch with 16 Gigabit PoE+ ports



### DIN-Rail/Wall Mounts

IP30 rated metal enclosure with included DIN-rail and wall mount hardware



### Switching Capacity

32Gbps switching capacity



### Redundant Power

Dual redundant power inputs with overload current protection (power supply sold separately models: TI-S24048 / TI-S48048)



### Alarm Relay

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



### Jumbo Frame

Sends larger packets, or Jumbo Frames (up to 9KB), for increased performance



### Extreme Temperatures

Industrial PoE switch rated for an operating temperature range of -40 – 75° C (-40 – 167° F)



### 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 on the industrial PoE switch protects equipment from external electrical surges

## SPECIFICATIONS

### Standards

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

### Device Interface

- 16 x Gigabit PoE+ ports
- 6-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)

### Performance

- Data RAM Buffer: 512KB
- Switching Fabric: 32Gbps
- MAC Address Table: 8K entries
- Jumbo Frame: 9KB
- Forwarding rate: 23.8Mpps (64-byte packet size)

### Special Features

- Hardened components rated for extreme temperatures
- Dual redundant power inputs
- ESD contact 6kV, air 8kV, and surge 2kV support
- Low-profile design

### DC Power

- Input: 48 – 56V DC
- Recommended power supply: TI-S24048 (sold separately)
- Max. consumption: 5.76W (no PoE)

### Optional Power Adapter (48VDC3000 sold separately)

- Input: 100 – 240V AC, 50/60Hz, 2A
- Output: 48V DC, 3.34A 160W max.

### PoE

- PoE budget: 240W

### Terminal Block

- Redundant power inputs, alarm relay contact, 6 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 / 0.56Nm
- Wire strip length: 7-8mm

### Alarm Relay Contact

- Relay outputs with current carrying capacity of 1A, 24V DC
- Open circuit mode when two power sources are connected
- Short circuit mode when only one power source is connected

## MTBF

- 699,103 hours

## Housing

- IP30 metal case
- DIN-rail mount
- Wall mount
- Grounding point
- 6kV contact protection
- 8kV air protection
- 2kV surge protection

## Operating Temperature

- - 40° – 75° C (-40° – 167° F)

## Operating Humidity

- Max. 95% non-condensing

## Dimensions (L x W x H)

- 155 x 120 x 48mm (6 x 4.7 x 1.9 in.)

## Weight

- 500g (17.7 oz.)

## Certifications

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

## Warranty

- Lifetime Warranty\*

## Package Contents

- TI-PG160
- Quick Installation Guide
- Removable terminal block
- DIN-rail and wall mount kit

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TRENDnet offers a limited lifetime warranty for all of its metal-enclosed network switches that have been purchased in the United States/Canada on or after 1/1/2015. Cooling fan and internal power supply carry a one-year warranty.

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.