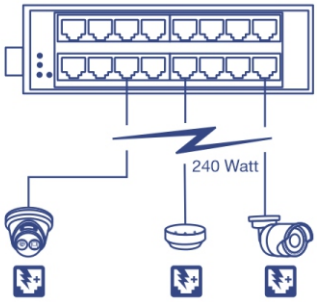


16-Port Industrial Gigabit PoE+ DIN-Rail Switch

TI-PG160 (v1.0R)

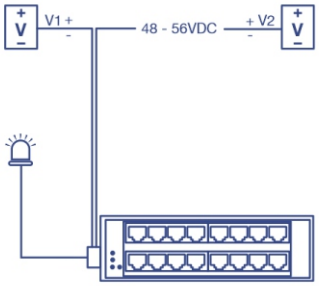
- 16 x Gigabit PoE+ ports
- 240W PoE power budget
- 32Gbps switching capacity
- Hardened IP30 rated metal switch
- Includes DIN-rail and wall mounts
- Operating temperature range of -40° – 75° C (-40° – 167° F)
- Dual redundant power inputs with overload current protection
- Alarm output triggered by 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 up to sixteen PoE+ devices to the industrial PoE switch such as, wireless APs, IP cameras, and IoT appliances. 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

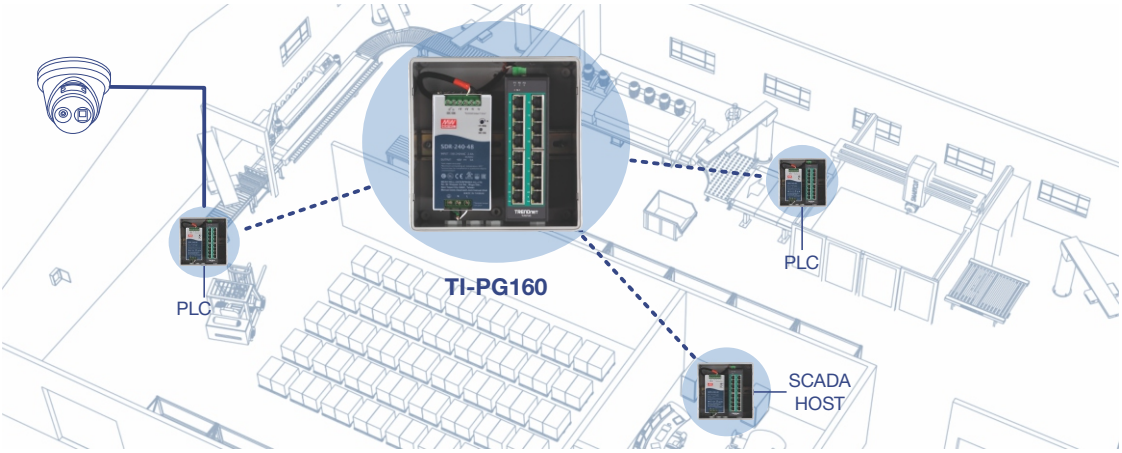
The industrial PoE switch features dual redundant power inputs with output alarm relay.

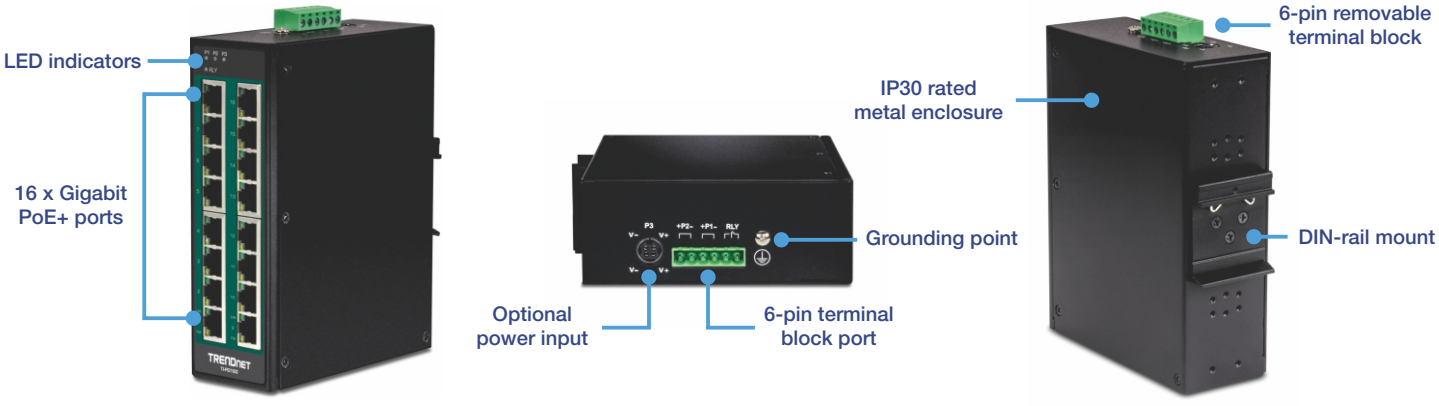


Industrial Design

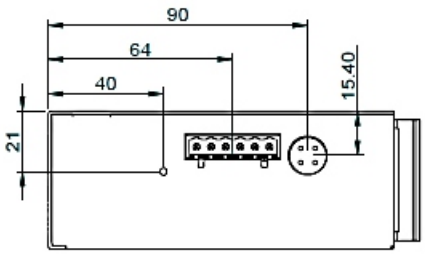
Equipped with a rugged IP30 rated housing, designed to withstand a high degree of vibration and shock, and operate within a wide temperature range of -40 – 75° C (-40 – 167° F).

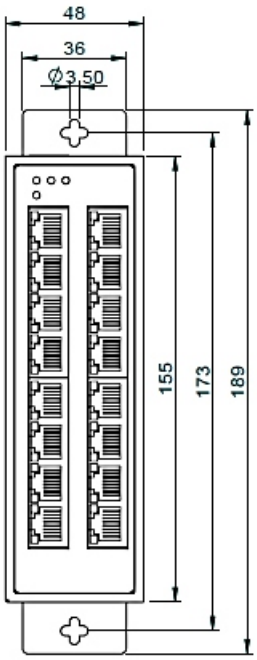
NETWORKING SOLUTION

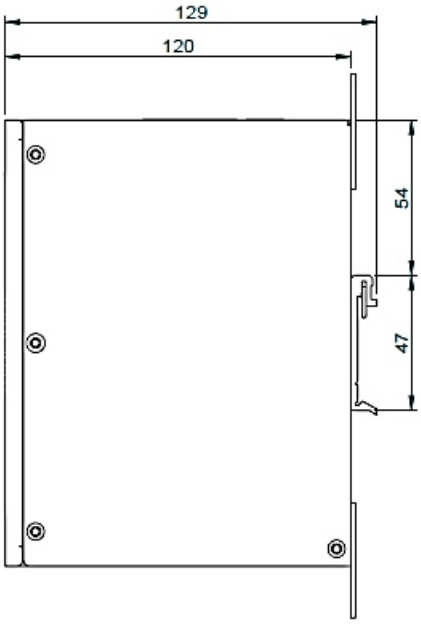


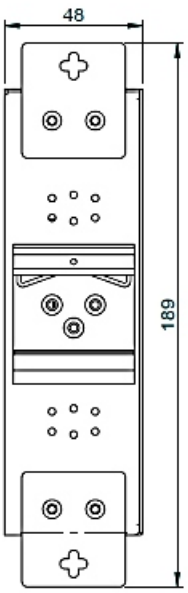


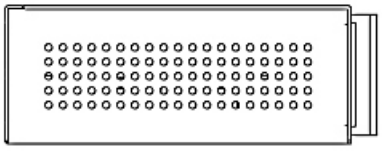
Housing Dimension (mm)











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

Switching Capacity
32Gbps switching capacity

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

Grounding Point
Grounding point on the industrial PoE switch protects equipment from external electrical surges

Network Ports
Industrial PoE switch with 16 Gigabit PoE+ ports

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

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

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

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

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

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^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 / 0.56Nm
- 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
- UL
- 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

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.

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Updated: 6/24/2019