



16-Port Industrial Gigabit PoE+ DIN-Rail Switch

TI-PG160 (V2)

- 16 x Gigabit PoE+ ports
- Up to 300W PoE power budget
- 32Gbps switching capacity
- Hardened IP50 rated metal switch
- Includes DIN-Rail mount and wall-mount brackets
- Wide operating temperature range of -40° – 75° C (-40° – 167° F)
- Redundant power inputs with overload current protection
- Alarm output triggered by power failure
- Power supply sold separately (model: TI-S48048)
- Lifetime Warranty
- NDAA / TAA compliant (U.S. and Canada only)

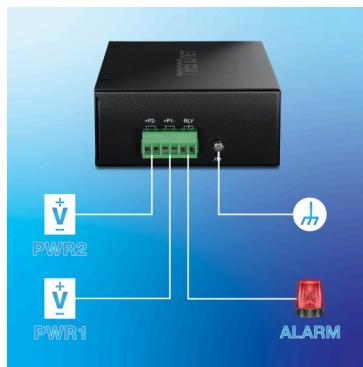
TRENDnet's 16-Port Industrial Gigabit PoE+ DIN-Rail Switch, model TI-PG160, provides network connectivity in rugged environments, while saving you on installation costs and setup time using Power over Ethernet technology. The Industrial Gigabit PoE+ DIN-Rail Switch features a rugged IP50 rated metal enclosure, designed to withstand a high degree of vibration and shock, while operating in both high and low temperatures for industrial environments within -40° – 75° C (-40° – 167° F). This hardened industrial PoE+ switch features 16 RJ45 gigabit PoE+ ports for high-speed device connections.

Installers and integrators can save on equipment costs and reduce installation time with the Industrial Gigabit PoE+ DIN-Rail Switch by delivering up to 30W per port of PoE power and data over existing Ethernet cables. With PoE technology inside this industrial PoE+ switch, users will only need a single Ethernet cable to deliver both data and power. Network PoE devices to this hardened industrial PoE+ switch, such as high-power wireless access points, IP cameras, VoIP phone systems, IPTV decoders, and access controls.



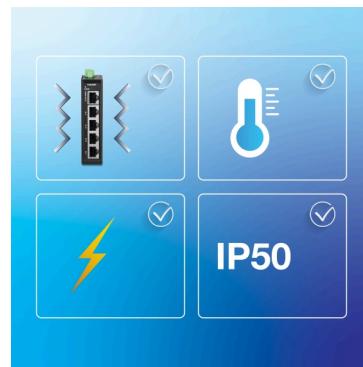
PoE+ Power

This hardened industrial PoE+ switch features up to a 300W PoE power budget that supplies Power over Ethernet devices with 30W of PoE+ power per port.



Fault Tolerance

Features redundant power inputs from external power sources, and an output alarm relay to indicate an input power failure.



Industrial Hardened Design

Equipped with a rugged IP50 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).

FEATURES



PoE Power Budget

Up to 30W of power per port and data over a single Ethernet cable to PoE devices with a maximum 300W PoE budget



Gigabit Ports

Gigabit PoE+ ports for high-speed device connections



Fault Tolerance

Features redundant power inputs from external power sources, and an output alarm relay to indicate an input power failure – power supply sold separately (model: TI-S48048)



IP50 Rated

This industrial switch is IP50 rated for ingress dust protection



DIN-Rail / Wall Mounts

The rugged switch includes DIN-Rail mount and wall-mount hardware



Jumbo Frame

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



Extreme 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



Shock and Vibration Resistant

Rated for shock (EN 60068-2-27), freefall (EN 60068-2-31), and vibration (EN 60068-2-6)



Electro Magnetic Compliance

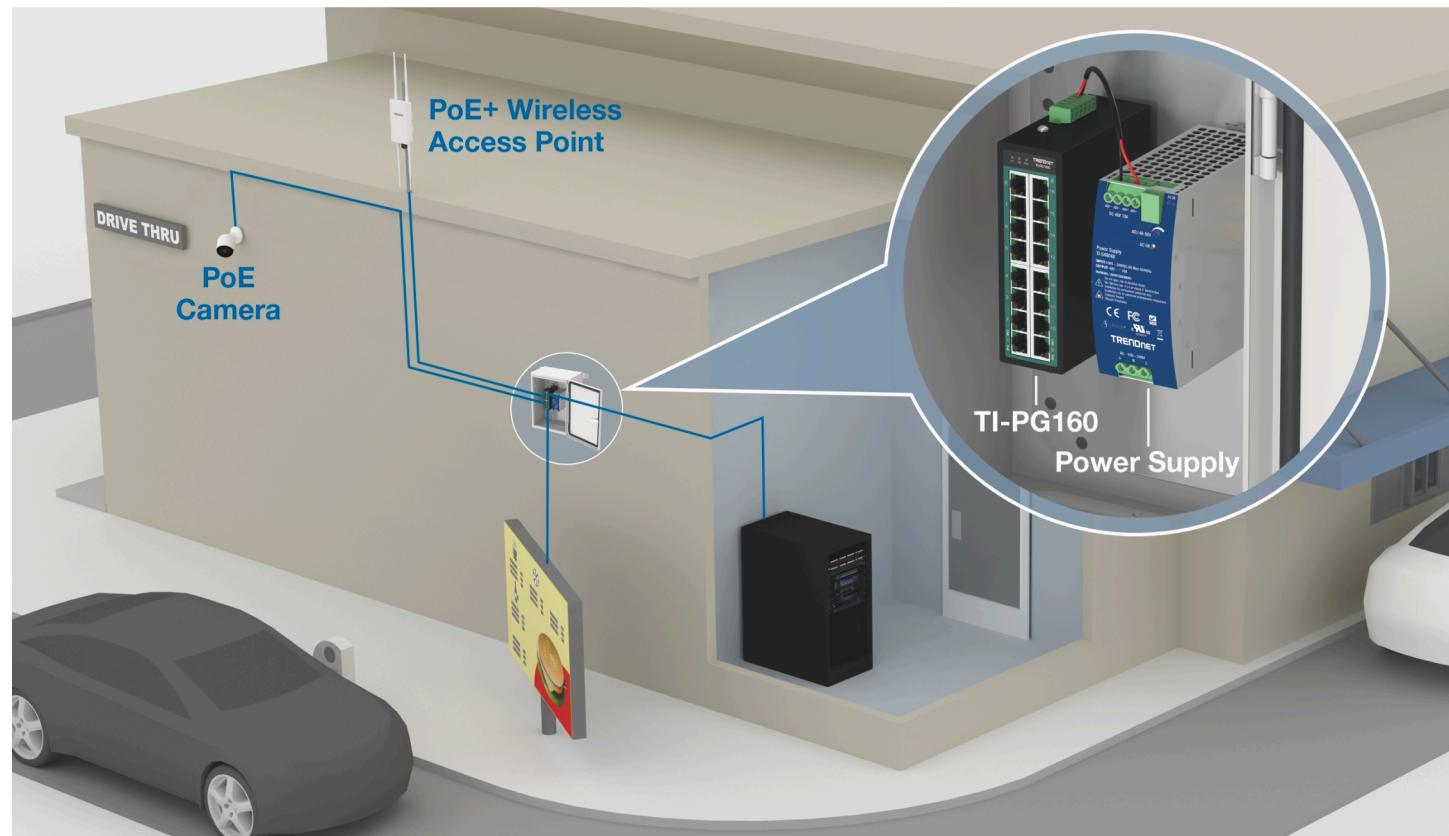
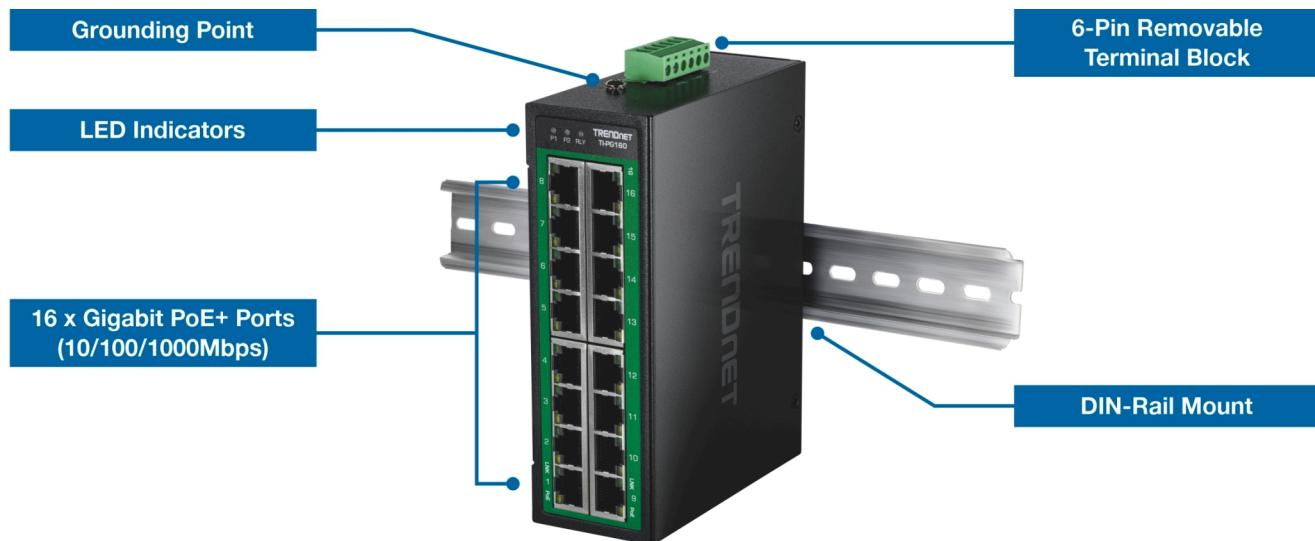
Complies with industrial EMS certifications ESD (IEC 61000-4-2): Contact: 6kV, Air: 8kV; EFT (IEC 61000-4-4): Power: 2kV, Signal: 1kV; Surge (IEC 61000-4-5): Power: 2kV, Signal: 2kV



Grounding Point

This industrial PoE+ switch features a grounding point for protection against external electrical surges

NETWORKING SOLUTION



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 (10/100/1000Mbps)
- 6-pin removable terminal block
- LED indicators

Performance

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

DC Power

- Input: 48 – 56V DC
- Recommended power supply: TI-S48048 (sold separately)
- Max. consumption: 9W (no PoE)

PoE

- 802.3af PoE: up to 15.4W per port
- 802.3at PoE+: up to 30W per port
- Power budget: 240W@48V, 300W@56V
- PoE Mode A: Pins 1, 2 for power +, 3, and 6 for power -

Terminal Block

- 6-pin terminal block
- Alarm Relay: 1A@24V DC
- Wire range: 0.34mm² to 2.5mm²
- Solid wire (AWG): 12-24
- Stranded wire (AWG): 12-24
- Torque: 5 lb. – in / 0.5Nm / 0.56Nm
- Wire strip length: 7-8mm

MTBF

- 1,260,121 hours @ 25° C

Housing

- IP50 metal case
- DIN-Rail mount
- Wall mount
- Grounding point
- 6kV ESD 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)

- 142 x 105 x 45.5mm (5.6 x 4.1 x 1.8 in.)

Weight

- 461g (16.26 oz.)

Certifications

- CE
- FCC
- LVD
- Shock (IEC 60068-2-27)
- Freefall (IEC 60068-2-31)
- Vibration (IEC 60068-2-6)

Warranty

- Lifetime Warranty

Package Contents

- TI-PG160
- Removable terminal block
- 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.

TRENDnet offers a 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.