

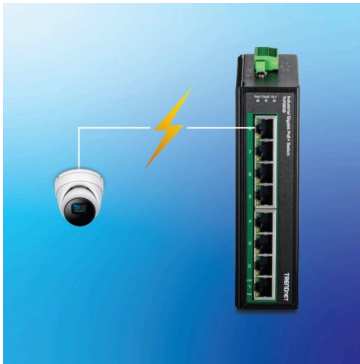


## 8-Port Industrial Gigabit PoE+ DIN-Rail Switch (24 – 56V)

TI-PG80B (v2.xR)

- 8 x Gigabit PoE+ ports
- PoE power budget 120W@24V – 200W@56V
- Dual 24 – 56V DC power inputs for redundancy
- Hardened IP50 rated metal switch
- Operating temperature range of -40° – 75° C (-40° – 167° F)
- 16Gbps switching capacity
- Includes DIN-Rail and wall mounts
- Power supply sold separately (models: TI-S24052, TI-S15052)
- Lifetime Warranty
- NDAA/ TAA compliant (U.S. and Canada only)

TRENDnet's 8-Port Industrial Gigabit PoE+ DIN-Rail Switch, model TI-PG80B, is an industrial variable voltage switch with eight gigabit PoE+ ports and a 200W PoE power budget. Users are able to connect eight PoE+ devices to this industrial variable voltage PoE+ switch for high-speed connectivity to the network. The industrial variable voltage PoE+ switch is equipped with a rugged IP50 rated metal enclosure, and 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. Dual 24 – 56V DC power inputs on this industrial variable voltage switch provides power redundancy and failure alarm relay.



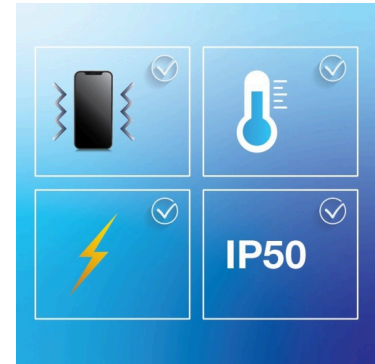
### PoE Power

The industrial variable voltage PoE switch features a 200W PoE+ power budget, and supplies up to eight Power over Ethernet devices with PoE+ power.



### Fault Tolerance

The industrial variable voltage PoE switch features dual 24V – 56V DC power inputs for redundancy with overload current protection.



### Industrial Design

Equipped with a rugged IP50 rated housing, resistant to a high degree of vibration and shock, and operates within a wide temperature range of -40° – 75° C (-40° – 167° F).

## FEATURES



#### PoE+ Power

Supplies up to 30W of PoE+ power per port on the industrial variable voltage switch with a 200W PoE power budget



#### Network Ports

8 x Gigabit PoE+ ports



#### DIN-Rail/Wall Mounts

DIN-Rail and wall mount hardware included



#### IP50 Rated Housing

IP50 dust-protected metal enclosure



#### Switching Capacity

16Gbps switching capacity



#### Redundant Power

Dual 24V – 56V DC power inputs with overload current protection (compatible power supplies sold separately, models: TI-S24052, TI-S15052)



#### Jumbo Frame

Sends larger packets, or Jumbo Frames (up to 9KB), for increased performance on the variable voltage switch



#### Extreme Operating Temperature

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



#### Shock and Vibration Resistant

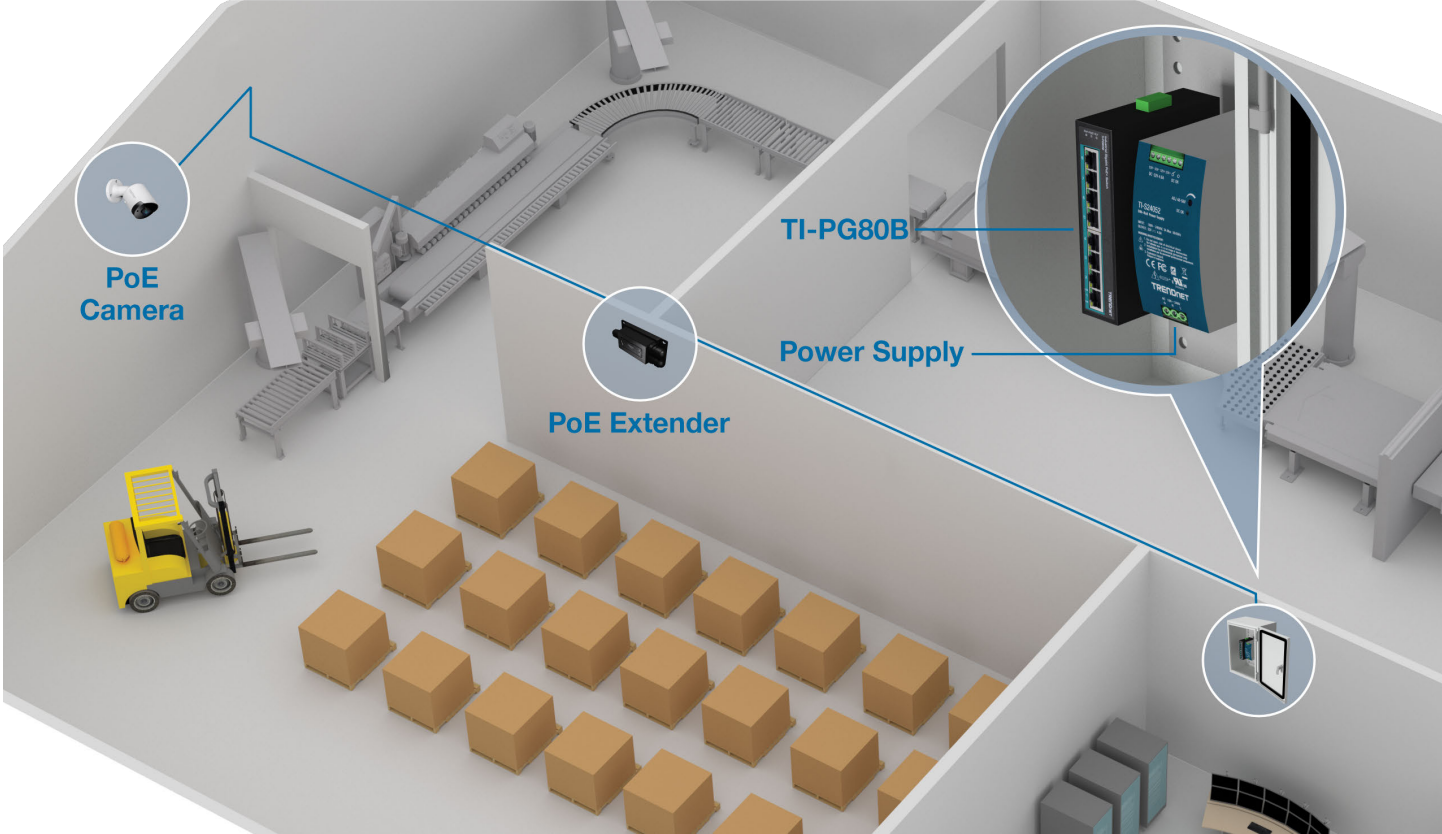
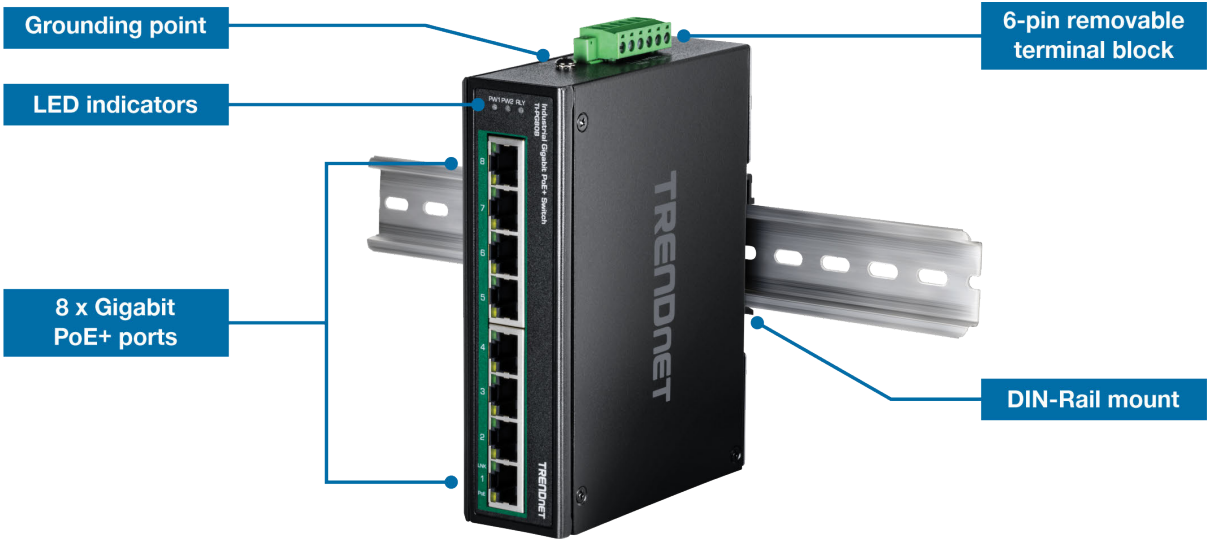
Rated for shock (EN 60068-2-27), freefall (EN 60068-2-32), and vibration (EN 60068-2-6)



#### Grounding Point

Grounding point on the industrial variable voltage switch protects equipment from 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

- 8 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: 128KB
- Switching Fabric: 16Gbps
- MAC Address Table: 4K entries
- Jumbo Frame: 9KB
- Forwarding rate: 11.9Mpps (64-byte packet size)

### DC Power

- Input: 24 – 56V DC
- Compatible power supply: TI-S24052 or TI-S15052 (sold separately)
- Max. consumption: 5W (no PoE)
- Max. consumption: 135.6W (with PoE)

### PoE

- Max. power budget: 200W @56V DC
- Max. power budget: 120W @24V DC

### 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
- Stranded wire (AWG): 12-24
- Torque: 5 lb. – In / 0.5Nm / 0.56 Nm
- 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

- 513,100 hours

### Housing

- IP50 metal case
- DIN-Rail mount
- Wall mount
- Grounding point

### Operating Temperature

- -40° – 75° C (-40° – 167° F)

### Operating Humidity

- Max. 95% non-condensing

### Dimensions

- 142 x 105 x 39.5mm (5.6 x 4.1 x 1.56 in.)

### Weight

- 610g (1.34 lb.)

### Certifications

- CE
- FCC
- LVD
- Shock (IEC 60068-2-27)
- Frefall (IEC 60068-2-32)
- Vibration (IEC 60068-2-6)
- IEC 61000-4-2
- IEC 61000-4-4
- IEC 61000-4-5

### Warranty

- Lifetime Warranty

### Package Contents

- TI-PG80B
- 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.