

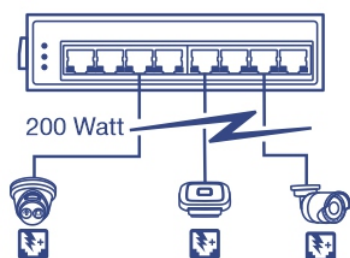


8-Port Industrial Gigabit PoE+ DIN-Rail Switch (24 – 56V)

TI-PG80B (v1.0R)

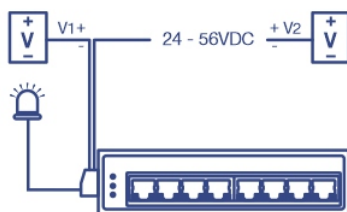
- 8 x Gigabit PoE+ ports
- PoE power budget 120W@24V – 200W@48V
- 16Gbps switching capacity
- Hardened IP30 rated metal switch
- Includes DIN-Rail and wall mounts
- Operating temperature range of -40° – 75° C (-40° – 167° F)
- Dual 24 – 56V DC power inputs for redundancy
- Power supply sold separately (models: TI-S24048, TI-S12024)

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 IP30 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 the industrial variable voltage switch provide redundancy with power 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 IP30 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).

NETWORKING SOLUTION



FEATURES



PoE+ Power Budget

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



Switching Capacity

16Gbps switching capacity



Redundant Power

Dual 24V – 56V DC power inputs with overload current protection (compatible power supplies for this industrial variable voltage PoE+ switch sold separately, models: TI-S24048, TI-S12024)



Network Ports

8 x Gigabit PoE+ ports



Wide 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)



DIN-Rail/Wall Mounts

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



Jumbo Frame

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



Grounding Point

Grounding point on the industrial variable voltage 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

- 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)

Special Features

- Hardened components rated for extreme temperatures
- Dual power inputs
- ESD 8KV support

DC Power

- Input: 24 – 56V DC
- Compatible power supply: TI-S24048 (sold separately)
- Max. consumption: 5.3W (no 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: 0.34mm² to 2.5mm²
- 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

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

- 529,765 hours

Housing

- IP30 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 36mm (5.6 x 4.1 x 1.4 in.)

Weight

- 622g (1.4 lb.)

Certifications

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

Warranty

- 3 year

Package Contents

- TI-PG80B
- Quick Installation Guide
- Removable terminal block
- DIN-Rail and wall mount kit