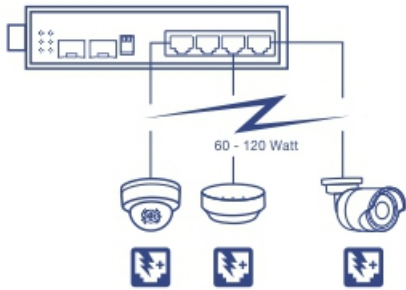# 6-Port Industrial Gigabit PoE+ DIN-Rail Switch 12 – 56 V
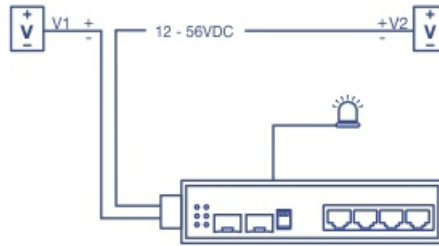
TI-PG62B (v1.0R)

- 4 x Gigabit PoE+ ports
- 2 x Dedicated SFP slots
- 60 – 120 W power budget
- 12 Gbps switching capacity
- Hardened IP30 rated metal switch
- Includes DIN-rail and wall mounts
- Extreme -40 – 75 °C (-40 – 167 °F) operating temperature range
- Dual redundant 12-56 VDC power inputs with overload current protec-tion
- Alarm output triggered by power failure
- Power supply sold separately (model: TI-S12048)

TRENDnet's TI-PG62B is a reliable IP30 unmanaged hardened DIN-rail PoE+ switch with a rugged housing rated for extreme industrial environments. It offers 4 Gigabit PoE+ ports, two dedicated SFP slots and a 12 Gbps switching capacity. Dual redundant 12 – 56 VDC power inputs and a power failure alarm relay.

PoE Power

A 60 – 120 W PoE+ power budget supplies up to four Power over Ethernet devices.
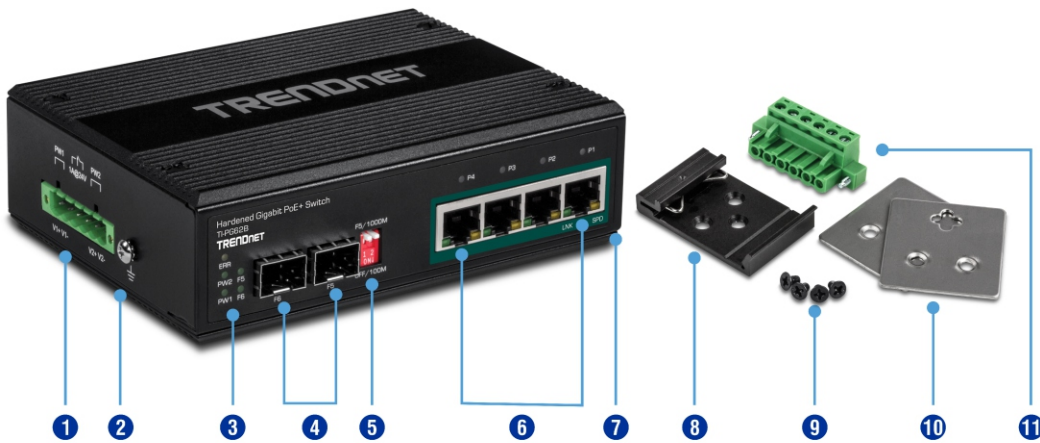
Fault Tolerance

Features dual redundant 12 – 56 VDC power inputs with output alarm relay.

Industrial Hardened Design

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

Networking Solution

1. Terminal slot for DC power
2. Grounding point
3. LED indicators
4. 100/1000 Mbps SFP slots
5. DIP switches
6. Gigabit PoE+ ports
7. IP30 metal case
8. Din-rail mount
9. Screws
10. Wall mount kit
11. Terminal block

TRENDnet®

Network Ports
4 x Gigabit PoE+ ports and 2 x dedicated SFP slots

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

Switching Capacity
12 Gbps switching capacity

Redundant Power
Dual redundant power inputs with overload current protection (power supply sold separately models: (model: TI-S12048)

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

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

Extreme Temperatures
Industrial switch is 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 protects equipment from external electrical surges

Specifications

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

Device Interface
- 4 x Gigabit PoE+ ports
- 2 x 100/1000 Mbps SFP slots
- 6-pin removable terminal block
- LED indicators
- DIP switch
- DIN-Rail mount
- Wall mount
- Grounding point

Data Transfer Rate
- Ethernet: 10 Mbps (half duplex), 20 Mbps (full duplex)
- Fast Ethernet: 100 Mbps (half duplex), 200 Mbps (full duplex)
- Gigabit: 2000 Mbps (full duplex)

Performance
- Data RAM Buffer: 1024 KB
- Switching Fabric: 12 Gbps
- MAC Address Table: 1 K entries
- Jumbo Frame: 9 KB
- Forwarding rate: 8.9 Mpps (64-byte packet size)

Special Features
- Hardened components rated for extreme temperatures
- Supports 12 / 24 / 48 power inputs

- Voltage booster boost up to 55 V DC
- Dual redundant power inputs
- Auto-Negotiation
- Auto store and forward architecture
- Automatic address learning and address aging

DC Power
- Input: 12 / 24 / 48 V DC
- Output: up to 55 V DC
- Compatible power supply: TI-S12048 (sold separately)
- Consumption: Max. 5.76 Watts (no PoE)

PoE
- PoE budget: 120 W @ 24 VDC / 48 VDC / 56 VDC
- PoE budget: 60 W @ 12 VDC

Terminal Block
- Redundant power inputs, alarm relay contact, 6 pin
- Wire range: 0.34 mm^2 to 2.5 mm^2
- Solid wire (AWG): 12-24/14-22
- Stranded wire (AWG): 12-24/14-22
- Torque: 5 lb. – In / 0.5 Nm / 0.56 Nm
- Wire strip length: 7-8 mm

DIP Switch
- 1: OFF (port 5 SFP on, default), ON (port 5 SFP off)
- 2: OFF (SFP 1000 M, default), ON (SFP 100 M)

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

MTBF
- 510,304 hours

Housing
- IP30 metal case
- DIN-rail mount
- Wall mount
- Grounding point
- ESD Protection: Contact: 6kV / Air: 8kV
- Surge Protection: 2kV

Operating Temperature
- - 40 to 75 °C (-40 to 167 °F)

Operating Humidity
- Max. 95 % non-condensing

Dimensions
- 143 x 105 x 45 mm (5.6 x 4.1 x 1.8 in.)

Weight
- 700 g (1.6 lb)

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

Warranty
- Limited Lifetime Warranty*

Package Contents
- TI-PG62B
- 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.