

7-Port Industrial Gigabit PoE+ DIN-Rail Switch (12 – 56V)

TI-PG62B (v2.xR)

- 4 x Gigabit PoE+ ports
- 1 x Gigabit port
- 2 x Gigabit SFP ports
- Up to 60W @ 12V; 120W @ 24 – 56V
- Hardened IP50 rated metal switch
- Extreme operating temperature range of -40° – 75°C (-40° – 167°F)
- Dual 12–56V DC inputs provide redundant power with overload current protection
- Alarm relay triggered by power failure
- 14Gbps switching capacity
- Includes DIN-Rail mount and wall mount brackets
- Power supply sold separately (model: TI-S15052)
- Lifetime Warranty
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's 7-Port Industrial Gigabit PoE+ DIN-Rail Switch, model TI-PG62B, is an industrial variable voltage switch with four gigabit PoE+ ports and a 120W PoE power budget. Users are able to connect four 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 an extreme temperature range of -40° – 75° C (-40° – 167° F) for industrial environments. Dual 12 – 56V DC power inputs on this industrial variable voltage switch provides power redundancy and failure alarm relay.



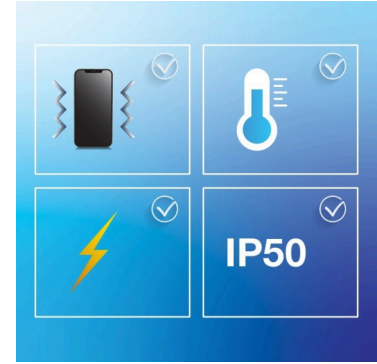
Variable Voltage Input

Provides up to 120W PoE+ power budget with a 24 – 56V DC power supply or 60W PoE+ power budget with a 12V DC power supply.



Fault Tolerance

Features redundant 12 – 56V DC power inputs from external power sources, and an output alarm relay to indicate an input power failure.



Industrial Hardened Design

Rugged IP50 rated housing with a high degree of vibration and shock resistance, and an operating temperature range of -40° – 75° C (-40° – 167° F).

FEATURES



PoE+ Power

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



PoE Budget

60W @ 12V DC; 120W @ 24 – 56V DC



Wide Input Voltage

Dual variable voltage 12 – 56V DC power inputs – power supply sold separately (model: TI-S150052)



Easy Installation

No configuration needed, simply connect PoE+ network devices to the industrial unmanaged PoE+ switch



IP50 Rated

This industrial switch is IP50 rated for ingress dust protection



Fault Tolerance

Features an output alarm relay to indicate an input power failure



Extreme Temperature Range

An extreme operating temperature range of -40° – 75° C (-40° – 167° F) allows for installations in industrial environments with intense hot or cold conditions



Shock and Vibration Resistant

Rated for shock (EN 60068-2-27), freefall (EN 60068-2-32), 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: 2kV; Surge (IEC 61000-4-5): Power: 2kV, Signal: 2kV



DIN-Rail / Wall Mounts

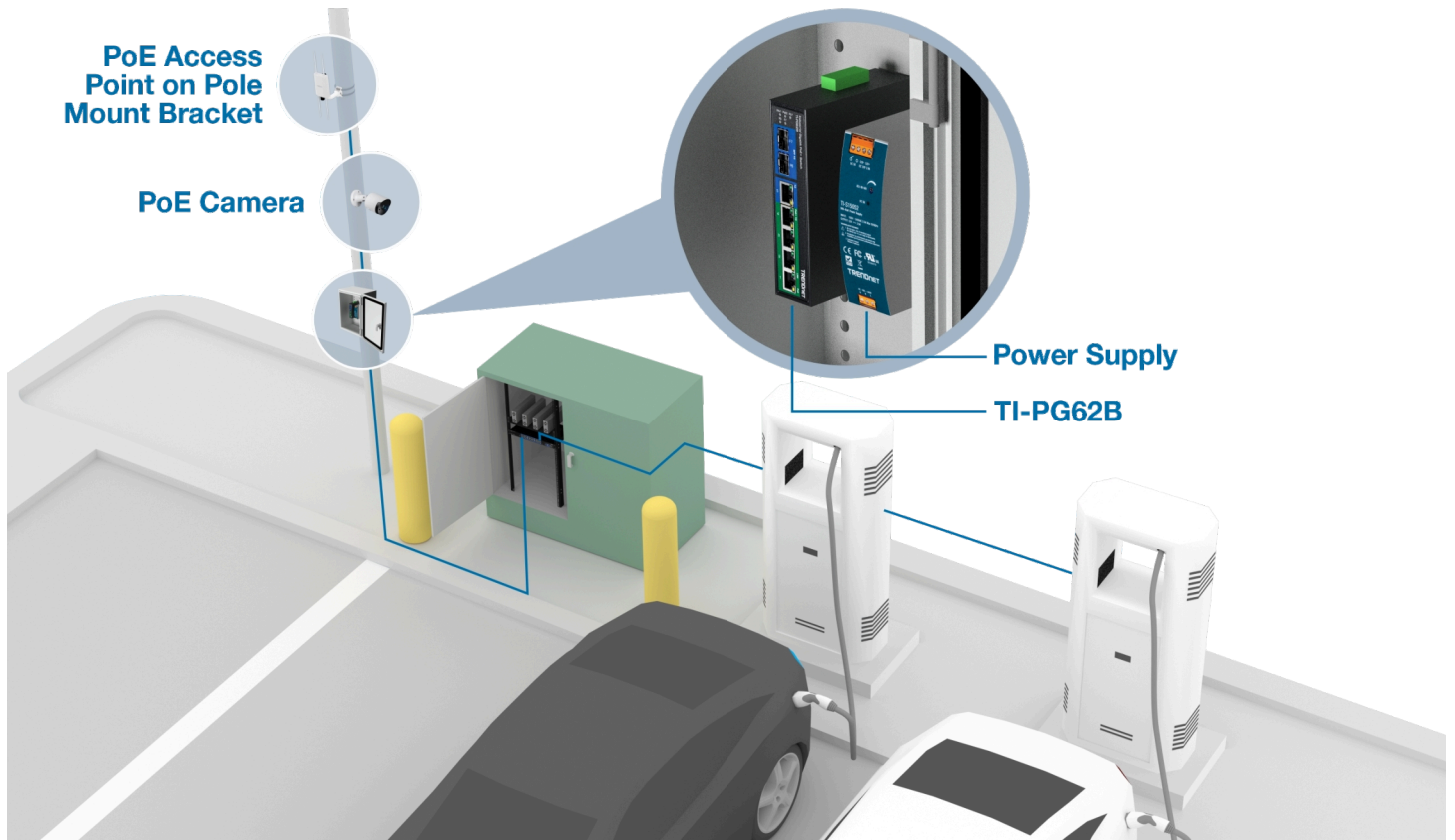
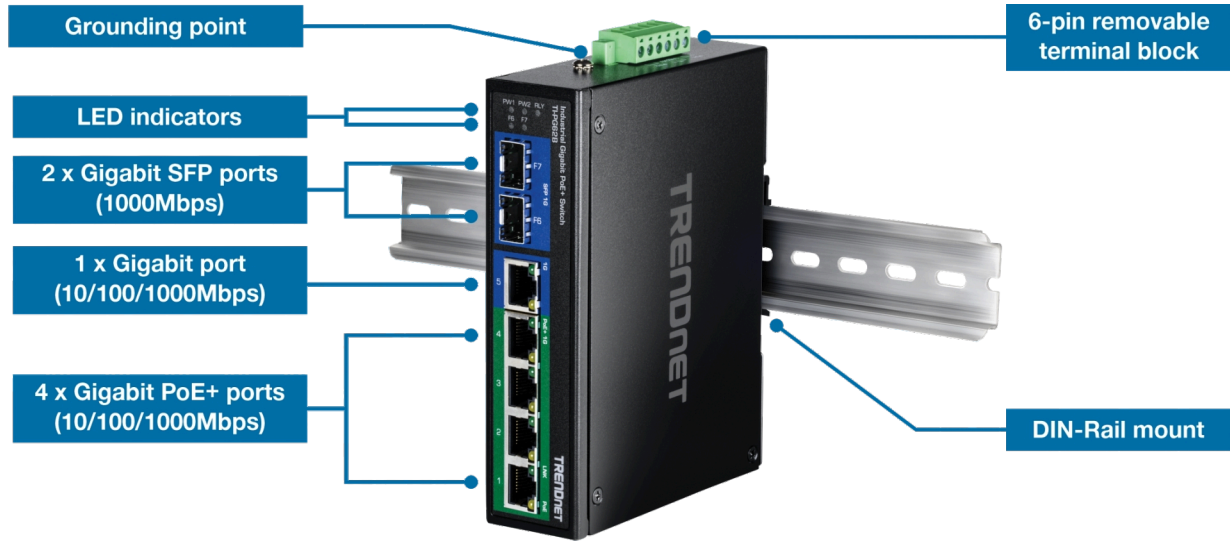
The rugged PoE+ switch includes DIN-Rail mount and wall mount hardware



Grounding Point

The industrial unmanaged PoE+ switch features a grounding point to protect equipment from external electrical surges

NETWORKING SOLUTION



SPECIFICATIONS

Standards

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

Device Interface

- 4 x Gigabit PoE+ ports (10/100/1000Mbps)
- 1 x Gigabit port (10/100/1000Mbps)
- 2 x Gigabit SFP ports (1000Mbps)
- 6-pin removable terminal block
- LED indicators

Data Transfer Rate

- Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)
- Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)
- Gigabit: 2Gbps (full duplex)
- Gigabit SFP: 2Gbps (full duplex)

Performance

- Data RAM Buffer: 125KB
- Switching Fabric: 14Gbps
- MAC Address Table: 4K entries
- Jumbo Frame: 9KB
- Forwarding rate: 10.4Mpps (64-byte packet size)

DC Power

- Input: 12 - 56V DC
- Compatible power supply: TI-S15052 (sold separately)
- Max. consumption: 4.1W @ 56V DC (without PD)

PoE

- 802.3af PoE: up to 15.4W per port
- 802.3at PoE+: up to 30W per port
- Power budget: 60W @ 12V; 120W @ 24 – 56V
- PoE Mode A: Pins 1, 2, 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 / 0.56 Nm
- Wire strip length: 7-8mm

MTBF

- 508,869 hours @ 25°C

Housing

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

Operating Temperature

- - 40° – 75° C (-40 – 167° F)

Operating Humidity

- Max. 95% non-condensing

Dimensions

- 143 x 105 x 36mm (5.6 x 4.1 x 1.4 in.)

Weight

- 337g (0.74 lb.)

Certifications

- CE
- FCC
- LVD
- 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

- Lifetime Warranty

Package Contents

- TI-PG62B
- 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.