

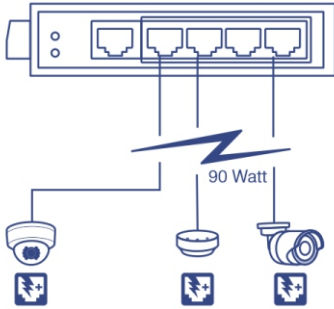


5-Port Industrial Fast Ethernet PoE+ DIN-Rail Switch

TI-PE50 (v1.0R)

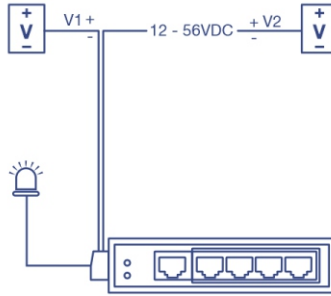
- 4 x Fast Ethernet PoE+ ports
- 1 x Fast Ethernet port
- 90W PoE power budget
- 1Gbps switching capacity
- Hardened IP30 rated metal switch
- Includes DIN-Rail mount and wall mount brackets
- Wide operating temperature range of -40° – 75°C (-40° – 167°F)
- Dual redundant power inputs with overload current protection
- Alarm output triggered by power failure
- Power supply sold separately (model: TI-S12048)

TRENDnet's 5-Port Industrial Fast Ethernet PoE+ DIN-Rail Switch, model TI-PE50, features four fast ethernet PoE+ ports with a 90W PoE budget, and one fast ethernet port for connection back to the main network. The hardened industrial Ethernet switch is equipped with a rugged IP30 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). Dual redundant power inputs with overload current protection on this industrial Ethernet switch minimize network downtime. The TI-PE50 industrial Ethernet switch also features an alarm relay triggered by power failure of the primary or redundant power.



PoE+ Power

A 90W PoE+ power budget supplies up to four Power over Ethernet devices with PoE+ power.



Fault Tolerance

The industrial Ethernet switch features dual redundant power inputs with output alarm relay.



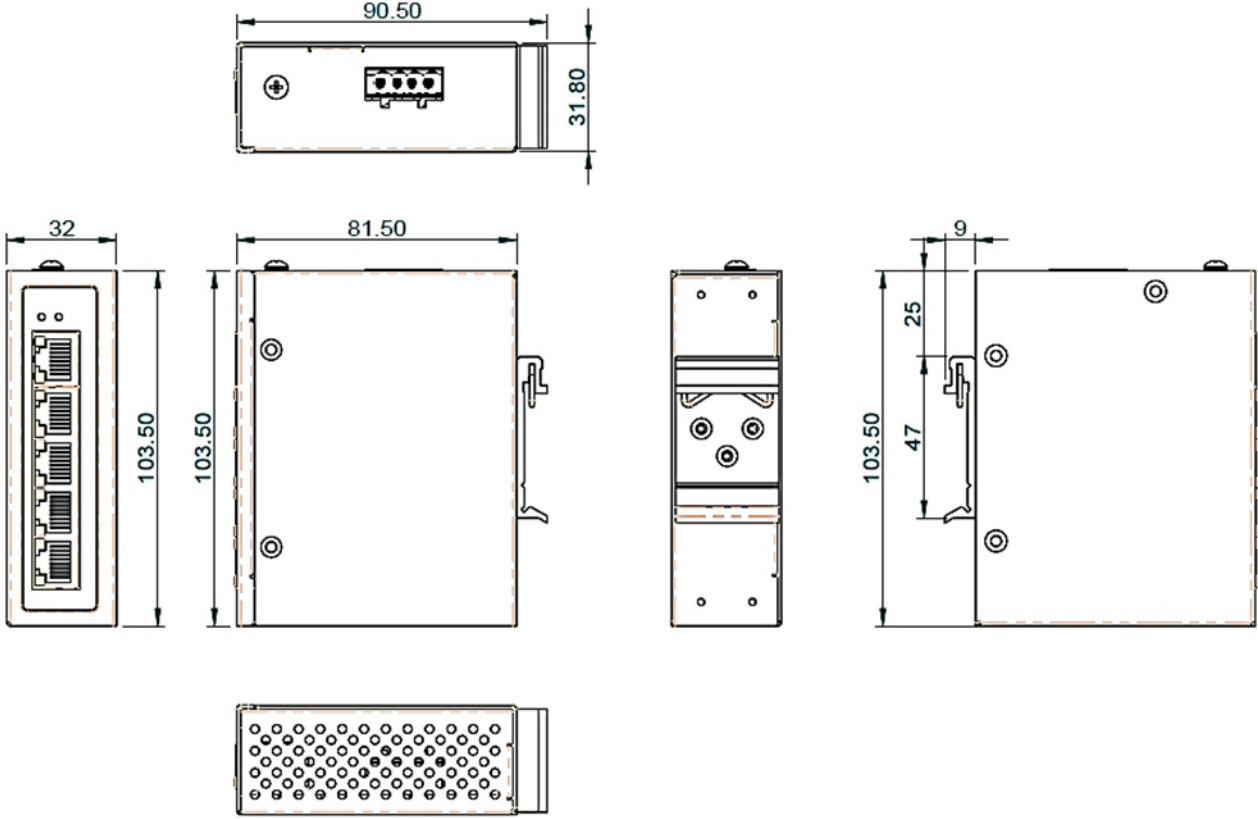
Industrial Hardened Design

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

NETWORKING SOLUTION



Housing Dimension (mm)



FEATURES



PoE+ Power

The industrial Ethernet switch features a 90W PoE+ power budget to supply up to four Power over Ethernet devices with PoE+ power



Easy Installation

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



DIN-Rail / Wall Mounts

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



Fast Ethernet Ports

4 x Fast Ethernet PoE+ ports and 1 x Fast Ethernet port



Wide 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



Redundant Power

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



Switching Capacity

Industrial Ethernet switch with 1Gbps switching capacity



Grounding Point

Industrial Ethernet switch with grounding point to protect equipment from external electrical surges



Shock and Vibration Resistant

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



Alarm Relay

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

SPECIFICATIONS

Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3af
- IEEE 802.3at

Device Interface

- 4 x 10/100Mbps PoE+ ports
- 1 x 10/100Mbps port
- 4-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)

Performance

- Data RAM Buffer: 56KB
- Switching Fabric: 1Gbps
- MAC Address Table: 1K entries
- Forwarding rate: 0.744Mpps (64-byte packet size)

Special Features

- Hardened components rated for extreme temperatures
- Dual redundant power inputs
- Auto-Negotiation
- Auto store and forward architecture
- Automatic address learning and address aging
- ESD contact 6kV, air 8kV and surge 2KV protection

Power

- Input: 48 - 56V DC
- Compatible power supply: TI-M6024 (sold separately)
- Max. consumption: 2.76W

MTBF

- 708,903 hours

Terminal Block

- Redundant power inputs, 4 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

Housing

- IP30 metal case
- DIN-rail mount
- Wall mount
- Grounding point
- 6kV contact 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)

- 103 x 82 x 31mm (4 x 3.2 x 1.2 in.)

Weight

- 160g (5.7 oz.)

Certifications

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

Warranty

- 3 year

Package Contents

- TI-PE50
- Quick Installation Guide
- Removable terminal block
- DIN-rail / 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.

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.