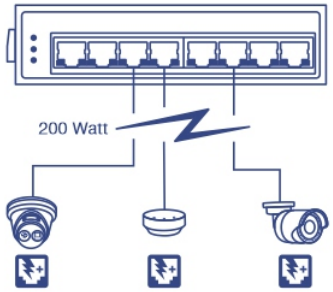
8-Port Industrial Fast Ethernet PoE+ DIN-Rail Switch

TI-PE80 (v1.0R)

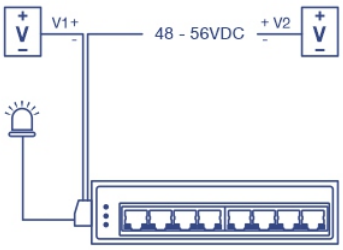
- 8 x Fast Ethernet PoE+ ports
- 200W PoE power budget
- 1.6Gbps switching capacity
- Hardened IP30 rated metal switch
- Includes DIN-Rail mount and wall mount brackets
- Wide operating temperature range of -40° – 75° C (-40° – 167° F)
- Dual inputs provide redundant power with overload current protection
- Alarm relay triggered by power failure
- Power supply sold separately (model: TI-S24048)

TRENDnet's Industrial Fast Ethernet PoE+ DIN-Rail Switches feature a rugged IP30 rated metal enclosure. These industrial unmanaged PoE+ switches are 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). Redundant power inputs with overload current protection on each industrial unmanaged PoE+ switch minimizes network downtime.Installers and integrators can save on equipment costs and reduce installation time with TRENDnet's Industrial Fast Ethernet Switches by delivering up to 30W per port of PoE power and data over existing Ethernet cables. With PoE technology, users only need one set of cables to deliver both data and power from the industrial unmanaged PoE+ switch. With these industrial unmanaged PoE+ switches, easily network PoE devices such as high-power wireless access points, PTZ and other advanced IP cameras, VoIP phone systems, IPTV decoders, access controls, and more.



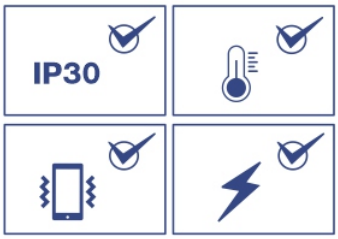
PoE+ Power

A 200W PoE+ power budget supplies up to eight Power over Ethernet devices with PoE+ power.



Redundant Power

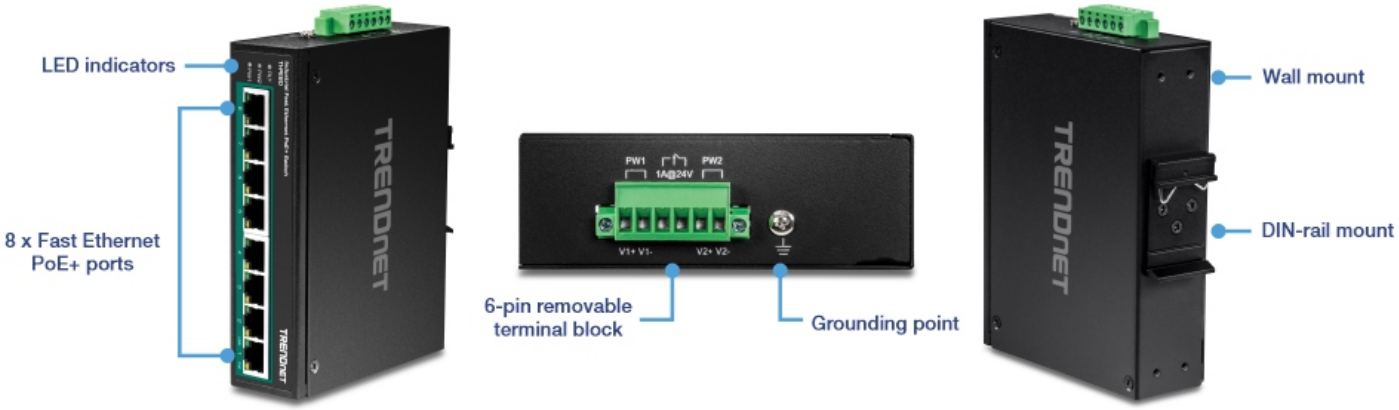
Dual power inputs provide redundant power with overload current protection, and an output alarm relay to indicate input power failure.



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



FEATURES

PoE+ Power
The industrial unmanaged PoE+ switches each supply up to 30W of power per port and data over a single Ethernet cable to PoE devices

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

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

Redundant Power
Dual inputs provide redundant power with overload current protection (power supply sold separately, model: TI-S24048)

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

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 (IEC 61000-4-2) ESD: Contact: 6kV | Air: 8kV, (IEC 61000-4-4) EFT: Power: 2kV | Signal: 2kV, (61000-4-5) Surge: Power: 2kV | Signal: 2kV

Grounding Point
Each industrial unmanaged PoE+ switch features a grounding point to protect 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 Fast Ethernet 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)

Performance
- Data RAM Buffer: 1MB
- Switching Fabric: 1.6Gbps
- MAC Address Table: 1K entries
- Forwarding rate: 1.19Mpps (64-byte packet size)

DC Power
- Input: 48 – 56V DC
- Recommended power supply: TI-S24048 (sold separately)
- Max. consumption: 5.76W (no PoE)
- PoE
- PoE budget: 200W

Terminal Block
- Redundant power inputs, alarm relay contact, 6 pin
- Wire range: 0.34mm^2 to 2.5mm^2
- Solid wire (AWG): 12-24/14-22
- Stranded wire (AWG): 12-24/14-22
- Torque: 5 lb. – In / 0.5Nm / 0.56Nm
- 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
- 510,304 hours

Special Features
- Hardened components rated for extreme temperatures
- Dual redundant power inputs
- ESD 8KV support
- Low-profile design

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 37mm (5.6 x 4.1 x 1.5 in.)

Weight
- 486g (17.1 oz.)

Certifications

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

Package Contents

- TI-PE80
- Quick Installation Guide
- Removable terminal block
- DIN-Rail and wall mount kit

Warranty

- 3 year

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.

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