



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

TI-PE80 (v2.xR)

- 8 x Fast Ethernet PoE+ ports
- Up to 200W PoE power budget
- Hardened IP50 rated metal switch
- Extreme operating temperature range of -40° – 75°C (-40° – 167°F)
- Dual inputs provide redundant power with overload current protection
- 1.6Gbps switching capacity
- Alarm relay triggered by power failure
- Includes DIN-Rail mount and wall mount brackets
- Power supply sold separately (model: TI-S24052)
- Lifetime Warranty
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's 8-Port Industrial Fast Ethernet PoE+ DIN-Rail Switch, model TI-PE80, features a rugged IP50 rated metal enclosure. This industrial unmanaged PoE+ switch is 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 minimizes network downtime.

Installers and integrators can save on equipment costs and reduce installation time with TRENDnet's Industrial Fast Ethernet PoE+ Switch by delivering up to 30W per port of PoE power and data over existing Ethernet cables. With PoE technology, users only need one cable to deliver both data and power from the industrial unmanaged PoE+ switch. Utilize TRENDnet's industrial PoE+ switch to 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.



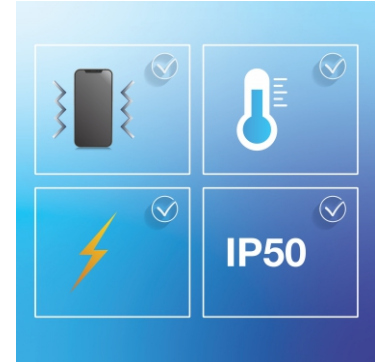
PoE+ Power

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



Fault Tolerance

Features redundant power inputs from external power sources and an output alarm relay to indicate the event of 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



Easy Installation

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



DIN-Rail / Wall Mounts

The rugged PoE+ switch features an IP50 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-S24052)



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

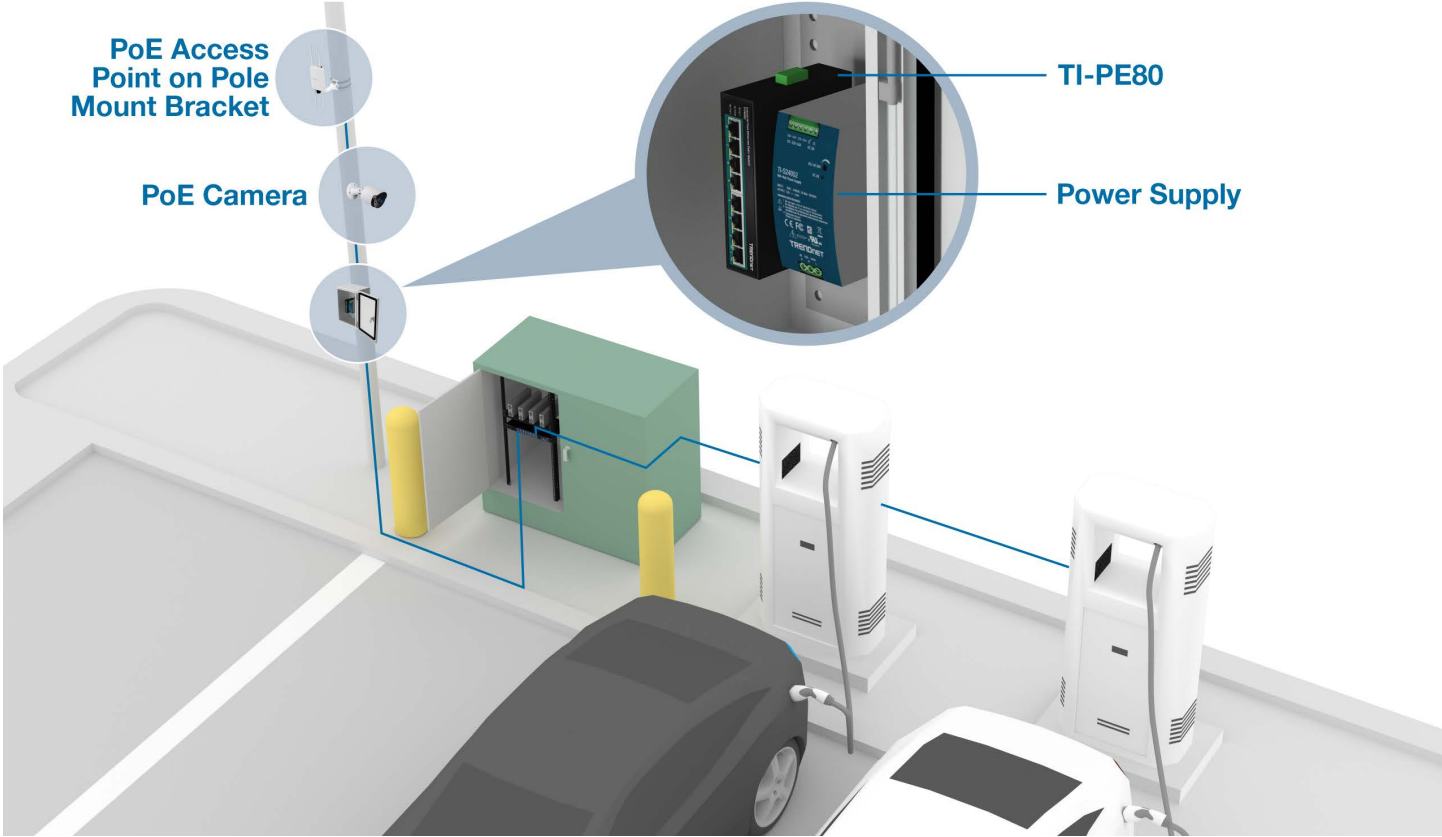
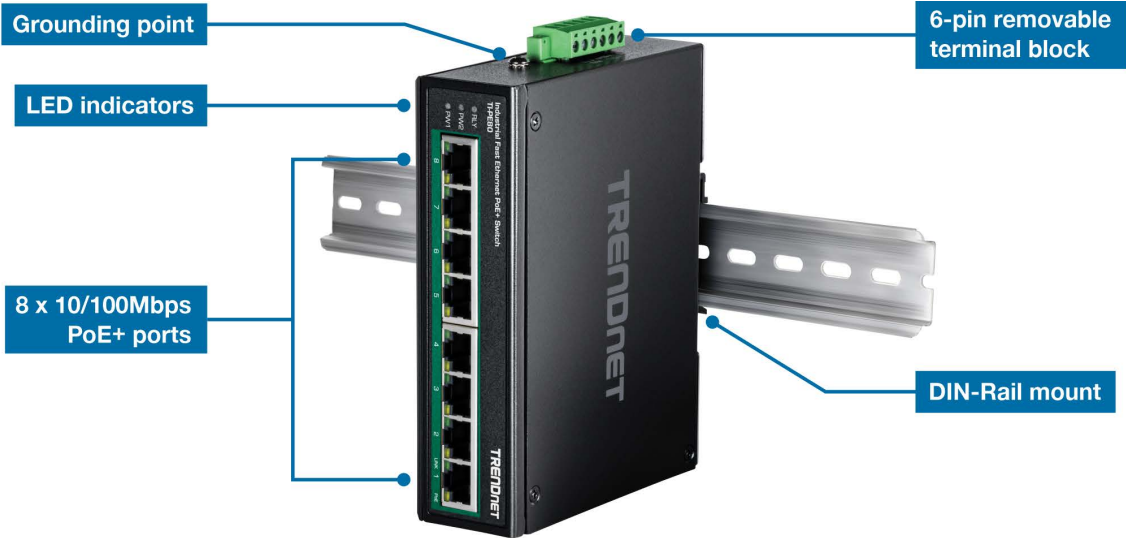
Complies with industrial EMS certifications ESD (IEC 61000-4-2);
Contact: 6kV, Air: 8kV; EFT (IEC 61000-4-4): Power 2kV, Signal: 2kV; Surge (IEC 61000-4-5): Power: 2kV, Signal: 2kV



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 802.3x
- IEEE 802.3af
- IEEE 802.3at

Device Interface

- 8 x 10/100Mbps 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: 125KB
- Switching Fabric: 1.6Gbps
- MAC Address Table: 1K entries
- Forwarding rate: 1.19Mpps (64-byte packet size)

Power

- Input: 48 - 56V DC
- Compatible power supply: TI-S24052 (sold separately)
- Max. consumption: 5.76W @ 56V DC (without PD)

PoE

- 802.3at: Up to 30W per port
- Hi-PoE: Up to 36W per port
- Max. PoE budget: 120W - 200W
- PoE Mode A: Pins 1, 2, 3, and 6 for power

Terminal Block

- Redundant power inputs, 6-pin
- 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
- Alarm relay output: 24V DC, 1A

MTBF

- 543,292 hours @ 25° C

Housing

- IP50 metal case
- DIN-Rail mount
- Wall mount
- Grounding point
- 6kV ESD protection
- 2kV surge protection

Operating Temperature

- - 40° - 75° C (-40° - 167° F)

Operating Humidity

- Max. 95% non-condensing

Dimensions (L x W x H)

- 142 x 105 x 37mm (5.6 x 4.1 x 1.5 in.)

Weight

- 486g (17 oz.)

Certifications

- CE
- FCC
- LVD
- Shock (IEC 60068-2-27)
- Frefall (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-PE80
- Removable terminal block
- DIN-Rail / 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.