



8-Port Industrial Fast Ethernet DIN-Rail Switch

TI-E80 (v2.xR)

- 8 x Fast Ethernet ports
- Hardened IP50 rated metal switch
- Extreme operating temperature range of -40° – 75° C (-40° – 167° F)
- Dual power inputs provide redundant power with overload current protection
- Fanless design for silent operation
- Alarm relay triggered by power failure
- 1.6Gbps switching capacity
- Includes DIN-Rail mount and wall mount brackets
- Power supply sold separately (model: TI-M6024)
- Lifetime Warranty
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's 8-Port Industrial Fast Ethernet DIN-Rail Switch, model TI-E80, features a rugged IP50 rated metal enclosure. The industrial Ethernet switch is designed to withstand high levels of vibration and shock, while operating in both low and high temperatures for industrial environments within a -40° – 75° C (-40° – 167° F) extreme temperature range. Redundant power inputs with overload current protection minimizes network downtime.



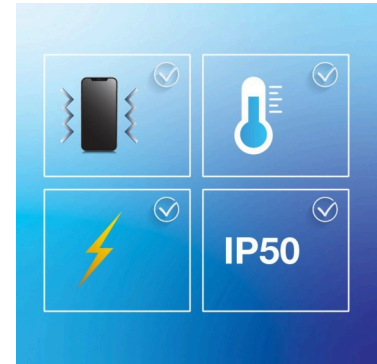
Easy Installation

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



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

Equipped with a rugged IP50 rated housing, 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).

FEATURES



Easy Installation

Quick and easy installation process with an intuitive guided setup



DIN-Rail / Wall Mounts

IP50 rated metal enclosure with DIN-Rail mount and wall mount hardware included



Redundant Power

Dual power inputs provide redundant power with overload current protection (power supply sold separately, model: TI-M6024)



Alarm Relay

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



Extreme Temperature Range

An extreme operating temperature range of -40° – 75° C (-40° – 167° F) allows for installations in industrial environments with severe 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

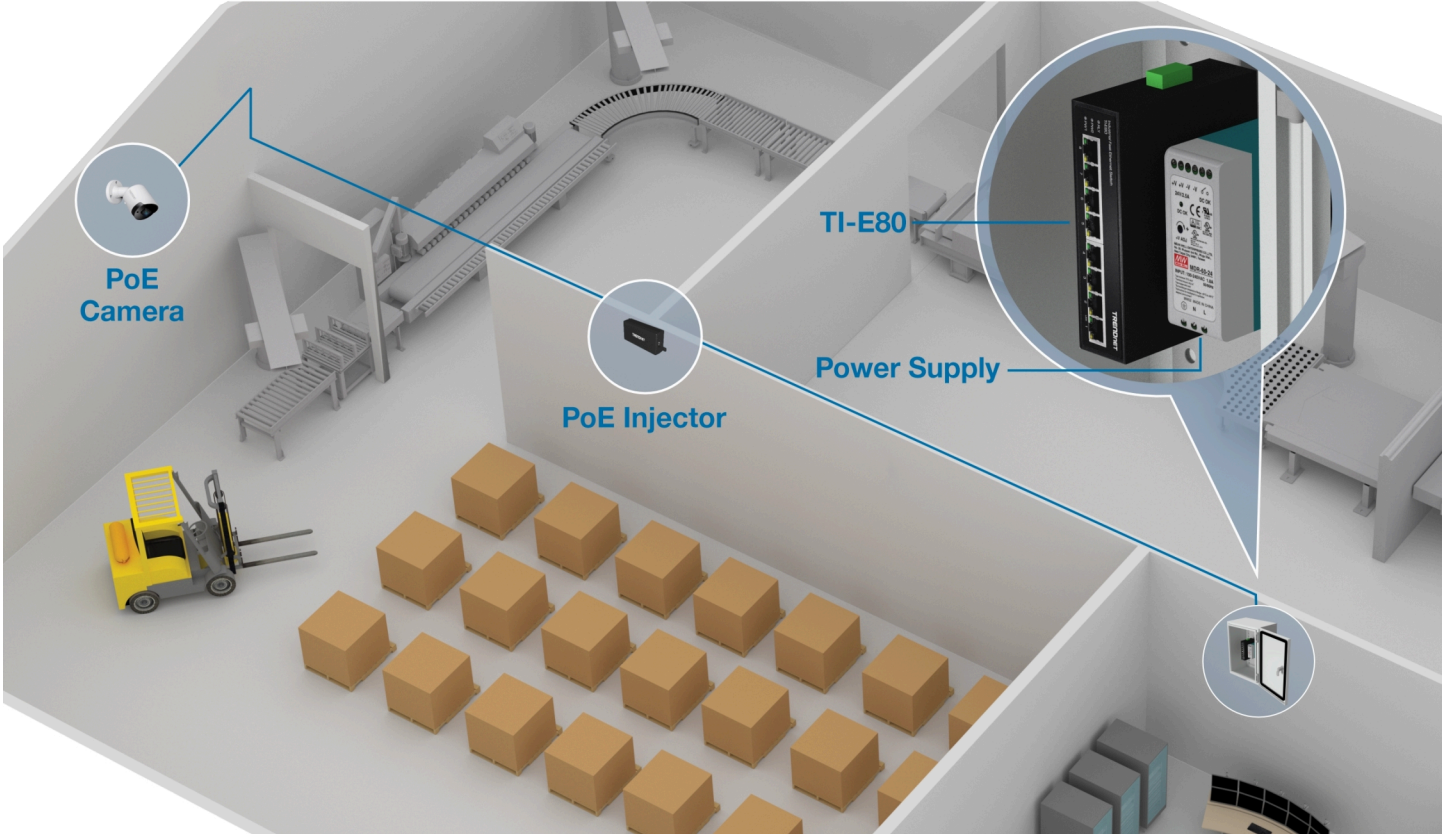
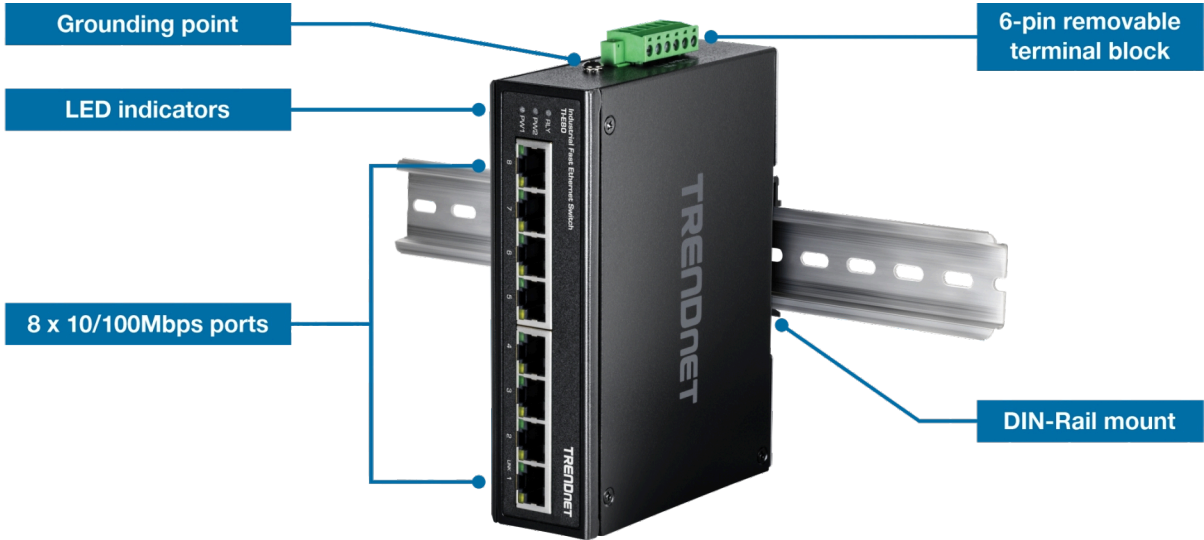
Complies with industrial EMS certifications ESD (IEC 61000-4-2);
Contact: 6kV, Air: 8kV; EFT (IEC 61000-4-4): Power 2kV, Signal: 2kV; Surge (IEC 61000-4-5): Power: 2kV, Signal: 2kV



Grounding Point

Grounding point is designed to protect equipment from external electrical surges

NETWORKING SOLUTION



SPECIFICATIONS

Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x

Device Interface

- 8 x 10/100Mbps 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: 56KB
- Switching Fabric: 1.6Gbps
- MAC Address Table: 1K entries
- Forwarding rate: 1.19Mpps (64-byte packet size)

Power

- Input: 12 - 56V DC
- Compatible power supply: TI-M6024 (sold separately)
- Max. consumption: 3W @ 48V DC

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

- 580,159 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 36.2mm (5.6 x 4.1 x 1.4 in.)

Weight

- 160g (5.7 oz.)

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-E80
- 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.