

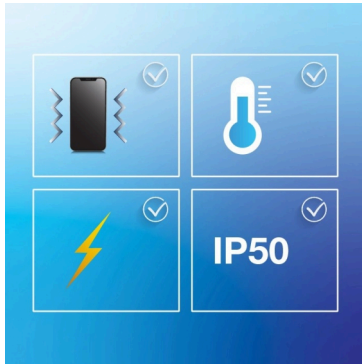


8-Port Industrial Gigabit Ethernet DIN-Rail Switch

TI-G80 (v2.xR)

- 8 x Gigabit 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
- Alarm relay triggered by power failure
- Fanless design for silent operation
- 16Gbps 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 Gigabit Ethernet DIN-Rail Switch, model TI-G80, features a rugged IP50 rated metal enclosure. This industrial unmanaged 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 minimize network downtime.



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).



Fault Tolerance

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



Easy Installation

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

FEATURES



Easy Installation

Quick and easy installation process with an intuitive guided setup



IP50 Rated

IP50 rated for ingress dust protection



Fault Tolerance

Features redundant power inputs from external power sources and an output alarm relay to indicate an input power failure – power supply sold separately (model: TI-M6024)



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



DIN-Rail / Wall Mounts

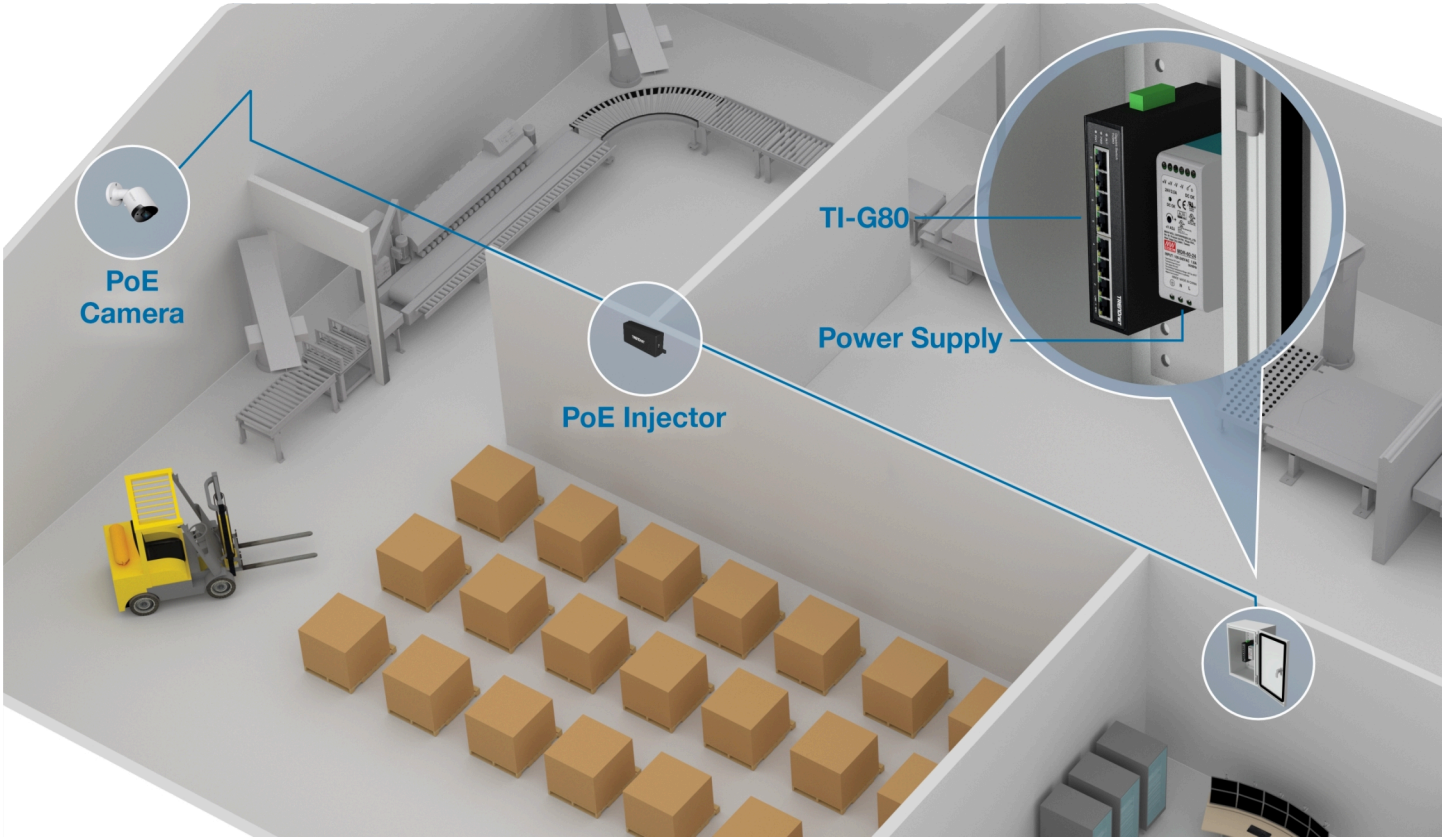
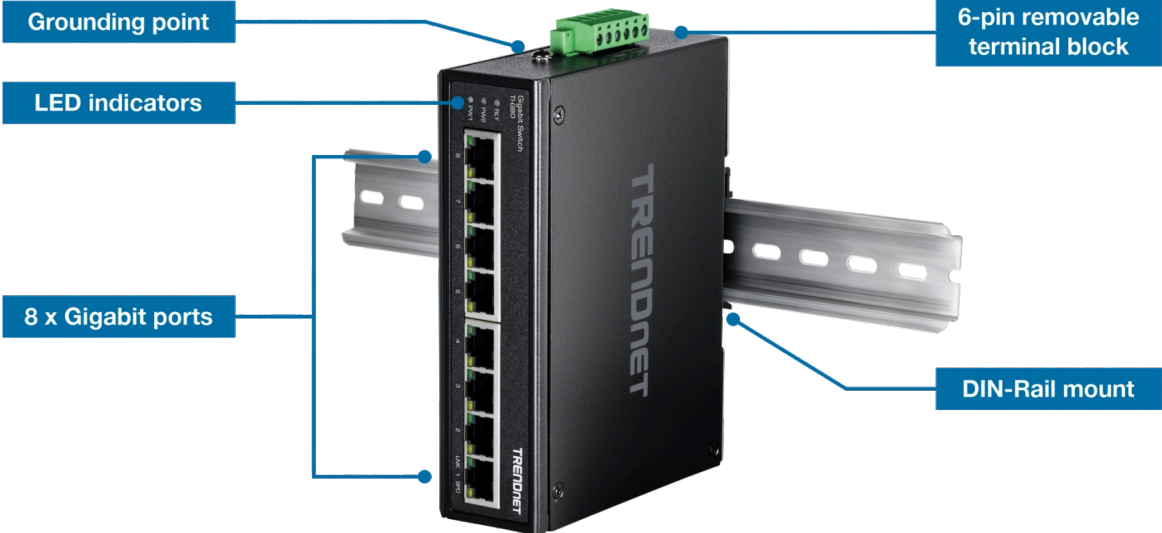
Includes DIN-Rail mount and wall mount hardware



Grounding Point

Grounding point is designed to protect equipment from external electrical surges

NETWORKING SOLUTION



SPECIFICATIONS

Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3x

Device Interface

- 8 x Gigabit ports
- 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)

Performance

- Data RAM Buffer: 512KB
- Switching Fabric: 16Gbps
- MAC Address Table: 8K entries
- Jumbo Frame: 9KB
- Forwarding rate: 11.9Mpps (64-byte packet size)

Power

- Input: 12 – 56V DC
- Compatible power supply: TI-M6024 (sold separately)
- Max. consumption: 3.36W @ 48V DC

Terminal Block

- Redundant power inputs, 6-pin
- 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

- 538,297 hours @ 25° C

Enclosure

- 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

- 143 x 104 x 36mm (5.6 x 4.1 x 1.4 in.)

Weight

- 528g (18.6 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-G80
- 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.