TRENDNET®

5-Port Hardened Industrial Gigabit DIN-Rail Switch

TI-G50 (v1.1R)

- 5 x Gigabit Ethernet ports
- 10 Gbps switching capacity
- Hardened IP30 rated metal switch
- Includes DIN-rail and wall mounts
- Extreme -40 to 75 ºC (-40 to 167 ºF) operating temperature range
- Dual redundant power inputs with overload current protection
- Power supply sold separately (model TI-M6024)
- Limited Lifetime Warranty

TRENDnet's TI-G50 is a reliable IP30 unmanaged DIN-rail switch with hardened components rated for extreme industrial environments. It offers 5 Gigabit ports and a 10 Gbps switching capacity. Dual redundant power inputs (power adapter sold separately: TI-M6024) with overload current protection support zero downtime applications.

Network Ports
5 x Gigabit Ethernet ports

DIN-Rail/Wall Mounts
IP30 rated metal enclosure with included DIN-rail and wall mount hardware

Switching Capacity
10 Gbps switching capacity

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

Extreme Temperatures
Hardened switch is rated for an operating temperature range of -40 to 75 ºC (-40 to 167 ºF)

Electro Magnetic Compliance
Complies with FCC Part 15 Subpart B Class A and CE EN 55022 Class A standards
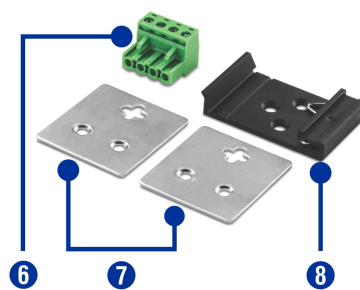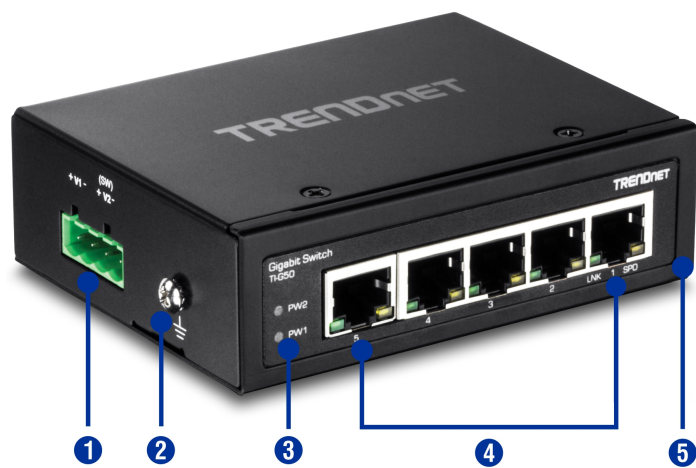
Shock and Vibration Resistant
Rated for shock (IEC 60068-2-27), freefall (IEC 60068-2-32), and vibration (IEC 60068-2-6)

Grounding Point
Grounding point protects equipment from external electrical surges

Networking Solution

1. Terminal block slot
2. Grounding point
3. LED indicators
4. Gigabit Ethernet ports
5. IP30 rated metal housing
6. Terminal block
7. Wall mounting kit
8. DIN-rail mount

Specifications

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

Device Interface
- 5 x Gigabit ports
- 4-pin removable terminal block
- LED indicators
- DIN-Rail mount
- Wall mount
- Grounding point

Data Transfer Rate
- Ethernet: 10 Mbps (half duplex), 20 Mbps (full duplex)
- Fast Ethernet: 100 Mbps (half duplex), 200 Mbps (full duplex)
- Gigabit: 2000 Mbps (full duplex)

Performance
- Data RAM Buffer: 1024 KB
- Switching Fabric: 10 Gbps
- MAC Address Table: 8 K entries
- Forwarding rate: 7.44 Mpps (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 8 KV and Surge 6 KV protection

Power
- Input: 12 - 56 V DC or 18 - 36 V AC
- Compatible power supply: TI-M6024 (sold separately)
- Consumption: Max. 2.76 Watts

Terminal Block
- Redundant power inputs, 4 pin
- Wire range: 0.34 mm^2 to 2.5 mm^2

- Solid wire (AWG): 12-24/14-22
- Stranded wire (AWG): 12-24/14-22
- Torque: 5 lb. – In / 0.5 Nm / 0.56 Nm
- Wire strip length: 7-8 mm

MTBF
- 510,304 hours

Housing
- IP30 metal case
- DIN-rail mount
- Wall mount
- Grounding point
- 8 KV ESD protection
- 6 KV surge protection

Operating Temperature
- - 40 to 75 °C (-40 to 167 °F)

Operating Humidity
- Max. 95 % non-condensing

Dimensions
- 113 x 82 x 31 mm (4.4 x 3.2 x 1.2 in.)

Weight
- 168 g (5.9 oz.)

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

Warranty
- Limited Lifetime Warranty

Package Contents
- TI-G50
- 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.