6-Port Hardened Industrial Gigabit DIN-Rail Switch

TI-G62 (v1.0R)

- 5 x Gigabit Ethernet ports
- 1 x shared SFP slot and 1 x dedicated SFP slot
- 12 Gbps switching capacity
- Hardened IP30 rated metal switch
- Includes DIN-rail and wall mounts
- Extreme -40 to 75 °C (-40 to 167 °F) operating temperature range
- Dual redundant power inputs with overload current protection
- Alarm output triggered by power failure
- Power supply sold separately (model TI-M6024)
- Limited Lifetime Warranty

TRENDnet's TI-G62 is a reliable IP30 unmanaged DIN-rail switch with hardened components rated for extreme industrial environments. It offers 5 Gigabit Ethernet ports, one shared SFP slot, one dedicated SFP slot, and a 12 Gbps switching capacity. DIP switches toggle between the shared Gigabit port and SFP slot and set supported throughput to either 100 Mbps or 1 Gbps. Dual redundant power inputs (power supply sold separately: TI-M6024) and a power failure alarm output trigger support zero downtime applications.

Network Ports
5 x Gigabit Ethernet ports, 1 x shared SFP slot (shared with Ethernet port 5 and features a supply 100/1000 Mbps DIP switch) and 1 x dedicated SFP slot

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

Switching Capacity
12 Gbps switching capacity

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

Alarm Output
Alarm output triggered by power failure of primary and/or redundant power

Jumbo Frame
Sends larger packets, or Jumbo Frames (up to 9 KB), for increased performance

Extreme Temperatures
Hardened switch is rated for an operating temperature range of -40 to 75 °C (-40 to 167 °F)

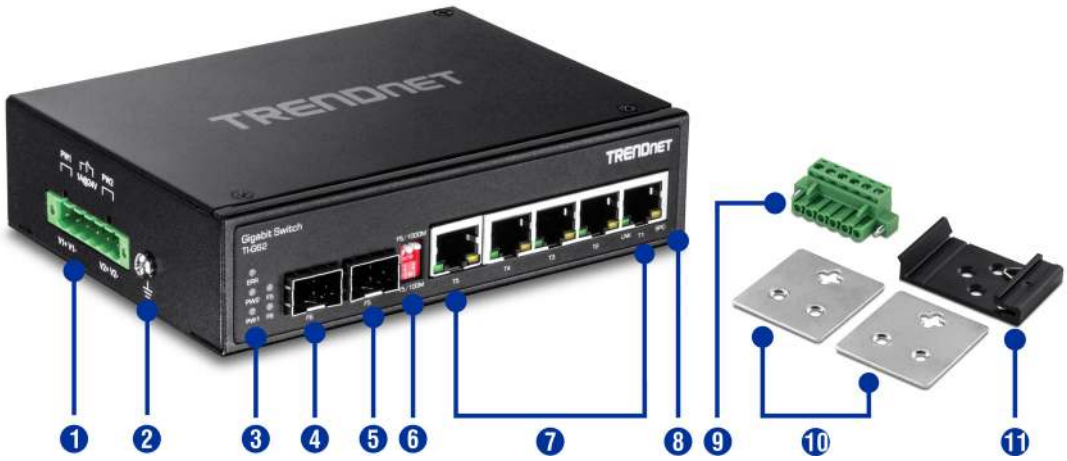
Electro Magnetic Compliance
Complies with FCC Part 15 Subpart B Class A and CE EN 55022 Class A standards

Certifications
Rated for information technology (ITE) equipment (EN55022/24); industrial, scientific, and medical (ISM) Equipment (EN55011)

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. Dedicated SFP slot
5. Shared SFP slot
6. DIP switches
7. Gigabit Ethernet ports
8. IP30 rated metal housing
9. Terminal block
10. Wall mounting kit
11. DIN-rail mount

Specifications

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

Device Interface
- 5 x Gigabit ports
- 1 x Shared SFP slot (port F5)
- 1 x Gigabit SFP slot (port F6)
- 6-pin removable terminal block
- LED indicators
- DIP switch
- 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: 12 Gbps
- MAC Address Table: 2 K entries
- Jumbo Frame: 9 KB
- Forwarding rate: 8.9 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
- Compatible power supply: TI-M6024 (sold separately)
- Consumption: Max. 3.84 Watts

Terminal Block
- Redundant power inputs, alarm relay contact, 6 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

DIP Switch
- 1: set port 5 to copper port or SFP slot
- 2: set port 5 to 100 Mbps or 1000 Mbps on SFP slot

Alarm Relay Contact
- Relay outputs with current carrying capacity of 1 A, 24 V DC
- Short circuit mode when two power sources are connected
- Open circuit mode when only one power source is connected

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

Weight
- 514 g (1.1 lb)

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-G62
- 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.

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