



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



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- 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 mm² to 2.5 mm²
- 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.

