

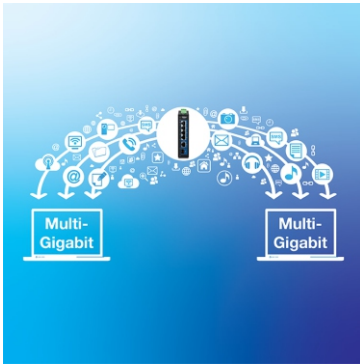


## 6-Port Industrial 2.5G DIN-Rail Switch with 1 x 10G Port

TI-G50611 (v1.xR)

- 4 x 2.5G ports
- 1 x 10G port
- 1 x 10G SFP+ port
- Hardened IP50 rated metal switch
- Extreme -40° – 75° C (-40° – 167° F) operating temperature range
- Redundant power inputs with overload current protection
- Alarm output triggered by power failure
- 60Gbps switching capacity
- Includes DIN-Rail and wall mounts
- Power supply sold separately (models: TI-M6024, 48VDC3000)
- Lifetime Warranty
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's 6-Port Industrial 2.5G DIN-Rail Switch with 1 x 10G Port , model TI-G50611, features a rugged IP50 rated metal enclosure and is designed to work in the harshest networking environments. This industrial multi-gigabit switch is designed to withstand a high degree of vibration and shock, while operating in both high and low temperatures for industrial environments within -40° – 75° C (-40° – 167° F). Redundant power inputs with overload current protection, and a power failure alarm relay minimize network downtime. This multi-gig DIN-Rail network switch features 2.5G and 10G copper ports for high-speed device connections, and a 10G SFP+ port for backbone fiber networking applications.



### Multi-Gigabit Ports

This industrial multi-gigabit switch features 2.5G and 10G RJ-45 ports for high-speed device connections, and a 10G SFP+ port that supports high-speed and long-distance fiber networking applications.



### Redundant Power

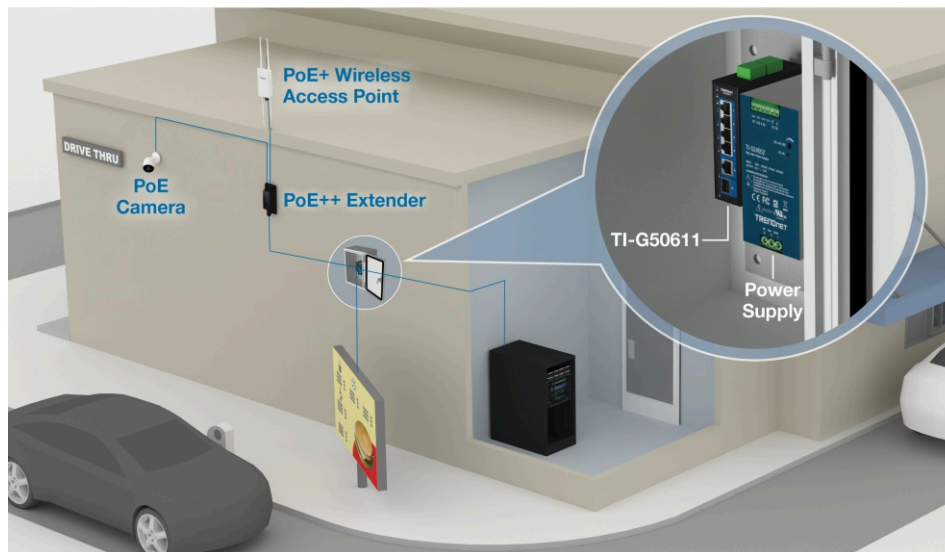
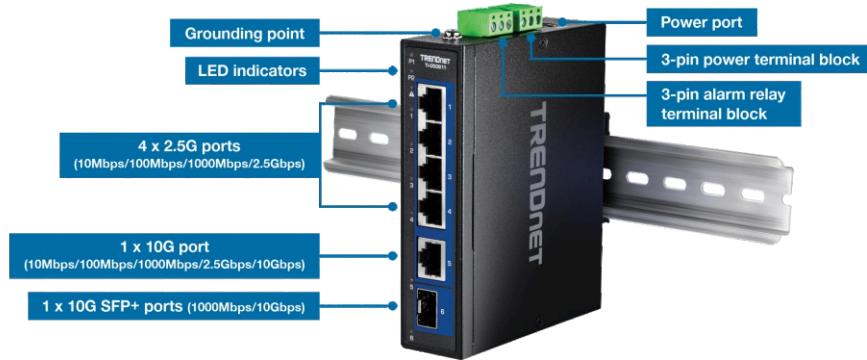
Multiple power inputs provide redundant power with overload current protection on this industrial multi-gigabit switch, minimizing overall network downtime (power supply sold separately).



### Industrial Hardened Design

Equipped with a rugged IP50 rated housing, designed to withstand a high degree of vibration and shock, and operate within an extreme temperature range of -40° – 75° C (-40° – 167° F).

## NETWORKING SOLUTION



## FEATURES



### Multi-Gigabit Ports

The industrial 2.5G-10G switch features 2.5G and 10G RJ-45 ports for high-speed device connections, and a 10G SFP+ port that supports long-distance fiber networking applications



### DIN-Rail / Wall Mounts

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



### Redundant Power

Multiple power inputs on the industrial multi-gigabit switch provide redundant power with overload current protection (power supply sold separately, models: TI-M6024, 48VDC3000)



### Alarm Relay

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



### Jumbo Frame

Supports larger packets, or Jumbo Frames (up to 12KB), for increased performance



### Extreme Temperature Range

Operating temperature range of -40° – 75° C (-40° – 167° F) allows for installations in environments with extreme 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 (IEC 61000-4-2)

ESD:

Contact: 6kV | Air: 8kV, (IEC

61000-4-4) EFT: Power: 2kV |

Signal: 1kV, (61000-4-5) Surge:

Power: L-G 2kV/L-L 1kV | Signal:

2kV



### Grounding Point

Grounding point for high voltage protection



### Switching Capacity

60Gbps switching capacity



### LED Indicator

LED Indicators on the industrial multi-gigabit switch convey port status

## SPECIFICATIONS

### Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3ae
- IEEE 802.3an
- IEEE 802.3bz
- IEEE 802.3x
- IEEE 802.3z

### Device Interface

- 4 x 2.5G ports (10Mbps/100Mbps/1000Mbps/2.5Gbps)
- 1 x 10G port (10Mbps/100Mbps/1000Mbps/2.5Gbps/10Gbps)
- 1 x 10G SFP+ ports (1000Mbps/10Gbps)
- 3-pin power terminal block
- 3-pin alarm relay terminal block
- Power port
- LED indicators
- Grounding point

### Data Transfer Rate

- Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)
- Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)
- Gigabit Ethernet: 2000Mbps (full duplex)
- 2.5G Ethernet: 5Gbps (full duplex)
- 10G Ethernet: 20Gbps (full duplex)
- 10G SFP+: 20Gbps (full duplex)

### Performance

- Data RAM Buffer: 1MB
- Switching Fabric: 60Gbps
- MAC Address Table: 4K entries
- Jumbo Frame: 12KB
- Forwarding Rate: 44.64Mpps (64-byte packet size)

### Special Features

- Hardened components rated for extreme temperatures
- Dual power inputs
- Auto negotiation
- Support VLAN pass through
- Auto store and forward architecture
- Automatic address learning and address aging
- ESD 6kV protection

### Power

- Input: 9 - 60V DC
- Compatible power supply: TI-M6024 (sold separately)
- Compatible power adapter: 48VDC3000 (sold separately)
- Max. consumption: 12.8W

### Terminal Block

- 3-pin terminal block
- Wire range: 2.5mm<sup>2</sup>
- Solid wire (AWG): 16-28
- Stranded wire (AWG): 16-28
- Torque: 3 lb. - In / 0.3Nm / 0.33Nm
- Wire strip length: 7-8mm

### Alarm Relay Contact

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

### MTBF

- 798,907 hours

### Housing

- IP50 rated metal case
- DIN-Rail mount
- Wall mount

### Operating Temperature

- - 40° - 75° C (-40° - 167° F)

### Operating Humidity

- Max. 95% non-condensing

### Dimensions

- 120 x 98 x 30mm (4.7 x 3.9 x 1.2 in.)

### Weight

- 496g (17.5 oz.)

### Certifications

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

### Warranty

- Lifetime Warranty

### Package Contents

- TI-G50611
- Quick Installation Guide
- Removable terminal blocks
- 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.