

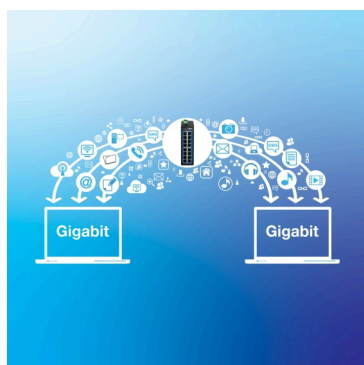


## 16-Port Industrial Gigabit DIN-Rail Switch

TI-G160 (V1)

- 16 x Gigabit ports
- 32Gbps switching capacity
- Hardened IP50 rated metal switch
- Includes DIN-Rail mount and wall-mount brackets
- Extreme operating temperature range of -40° – 75° C (-40° – 167° F)
- Redundant power inputs with overload current protection
- Alarm relay triggered by power failure
- Power supply sold separately (model: TI-M6024)
- Lifetime Warranty
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's 16-Port Industrial Gigabit DIN-Rail Switch, model TI-G160, is a reliable and rugged networking solution that is designed for use in both extreme and demanding environments. This Industrial Gigabit DIN-Rail Switch features a rugged IP50 rated metal enclosure, 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). This industrial Ethernet switch features 16 RJ45 gigabit ports for high-speed device connections.



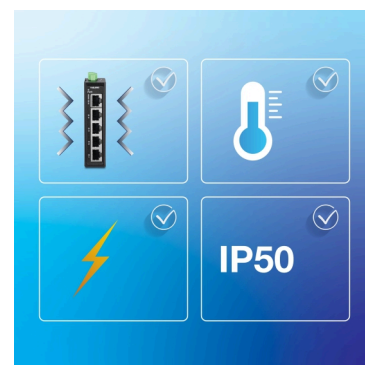
## Gigabit Ports

This Industrial Ethernet switch features 16 RJ45 gigabit ports for high-speed device connections.



## Fault Tolerance

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



## Industrial Hardened Design

Rugged IP50 rated housing with a high degree of vibration and shock resistance, and an operating temperature range of -40° – 75° C (-40° – 167° F).

## FEATURES



### Gigabit Ports

This Industrial switch features 16 RJ45 gigabit ports for high-speed device connections



### IP50 Rated

This industrial switch is 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 intense hot or cold conditions



### Shock and Vibration Resistant

Rated for shock (EN 60068-2-27), freefall (EN 60068-2-31), and vibration (EN 60068-2-6)



### Electro Magnetic Compliance

Complies with industrial EMI certifications EN 55032:2015; AS/NZS CISPR 32:2015 and EMS certifications ESD (IEC 61000-4-2):  
Contact: 6kV, Air: 8kV; EFT (IEC 61000-4-4): Power: 2kV, Signal: 1kV; Surge (IEC 61000-4-5): Power: 2kV, Signal: 2kV



### DIN-Rail / Wall Mounts

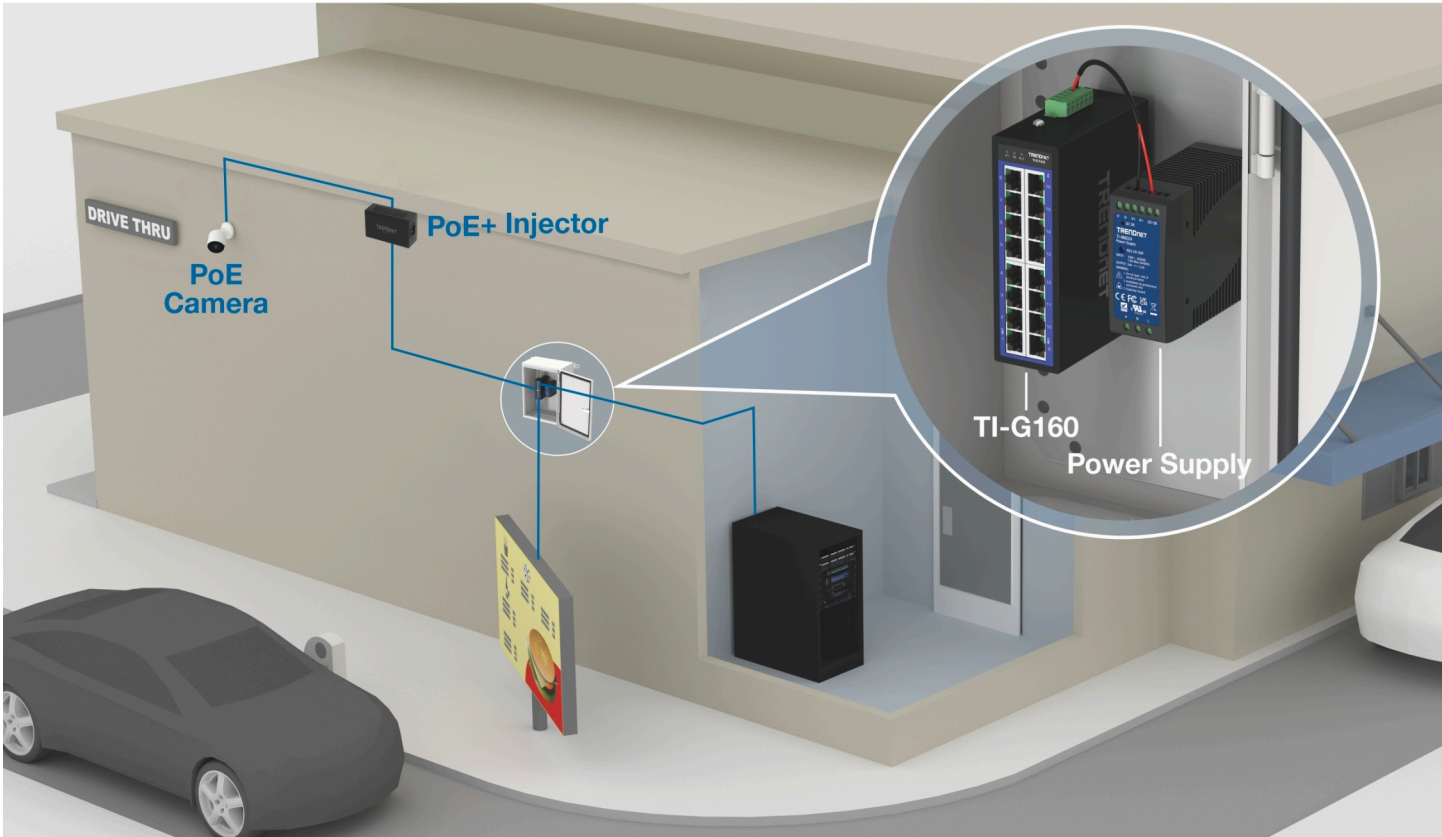
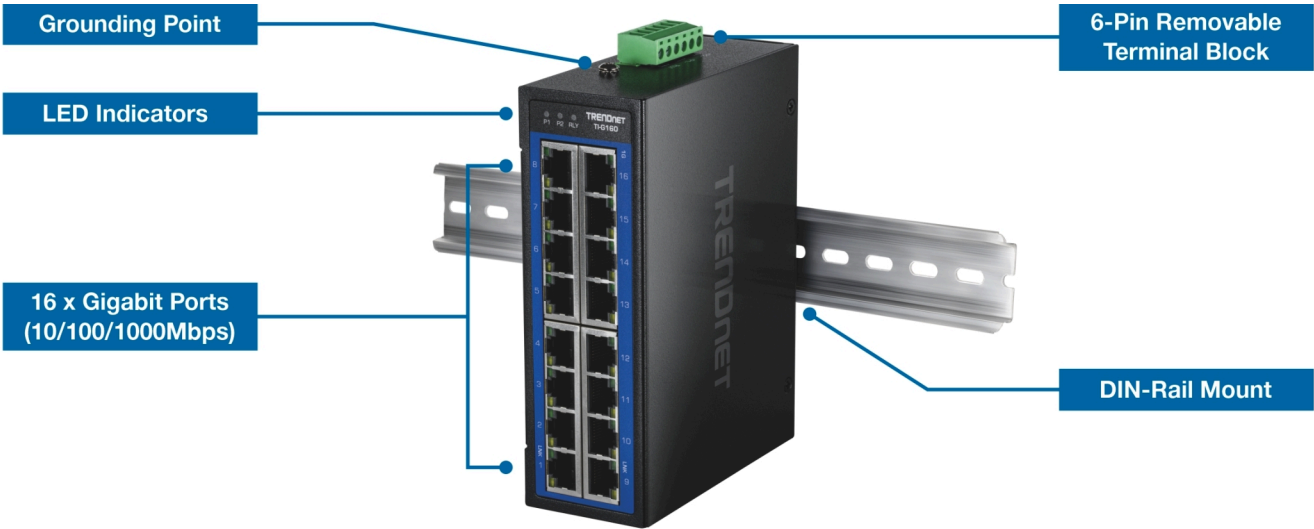
The rugged DIN-Rail Ethernet switch includes DIN-Rail mount and wall-mount hardware



### Grounding Point

The industrial Ethernet switch features a grounding point 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

- 16 x Gigabit ports (10/100/1000Mbps)
- 6-pin removable terminal block
- LED indicators

### Performance

- Data RAM Buffer: 512KB
- Switching Fabric: 32Gbps
- MAC Address Table: 8K entries
- Jumbo Frame: 9KB
- Forwarding rate: 23.8Mpps (64-byte packet size)

### DC Power

- Input: 12 – 56V DC
- Recommended power supply: TI-M6024 (sold separately)
- Max. consumption: 9W@56V DC

### Terminal Block

- 6-pin terminal block
- Alarm Relay: 1A@24V DC
- Wire range: 0.34mm<sup>2</sup> to 2.5mm<sup>2</sup>
- Solid wire (AWG): 12-24
- Stranded wire (AWG): 12-24
- Torque: 5 lb. – In / 0.5Nm / 0.56Nm
- Wire strip length: 7-8mm

### MTBF

- 1,276,542 hours @ 25° C

### Housing

- IP50 metal case
- DIN-Rail mount
- Wall mount
- Grounding point
- 6kV ESD protection
- 8kV Air protection
- 2kV Surge protection

### Operating Temperature

- -40° – 75° C (-40° – 167° F)

### Operating Humidity

- Max. 95% non-condensing

### Dimensions (L x W x H)

- 142 x 105 x 45.5mm (5.6 x 4.1 x 1.8 in.)

### Weight

- 452g (15.9 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-G160
- 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.