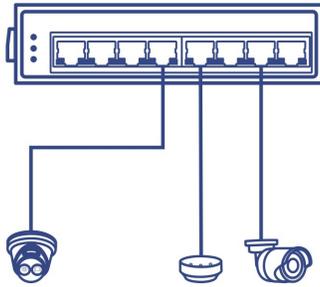


## 8-Port Industrial Fast Ethernet DIN-Rail Switch

TI-E80 (v1.0R)

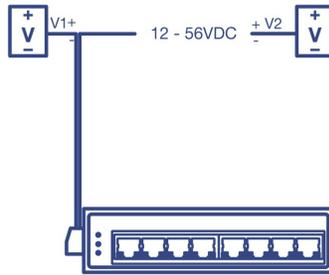
- 8 x Fast Ethernet ports
- 1.6Gbps switching capacity
- Forwarding rate: 1.19Mpps (64-byte packet size)
- Hardened IP30 rated metal switch
- Includes DIN-Rail mount and wall mount brackets
- Wide operating temperature range of -40° – 75° C (-40° – 167° F)
- Dual inputs provide redundant power with overload current protection
- Alarm relay triggered by power failure
- Power supply sold separately (model: TI-M6024)
- Fanless design for silent operation
- Lifetime Warranty

TRENDnet's Industrial Fast Ethernet DIN-Rail Switches feature a rugged IP30 rated metal enclosure. These industrial Ethernet switches are designed to withstand high levels of vibration and shock, operate in both low and high temperatures for industrial environments within a -40° – 75° C (-40° – 167° F) wide-temperature range. Redundant power inputs with overload current protection on each industrial Ethernet switch minimizes network downtime.



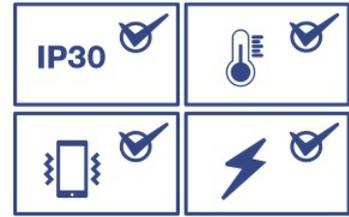
### Easy Installation

No configuration needed, simply connect network devices to the industrial Ethernet switch.



### Redundant Power

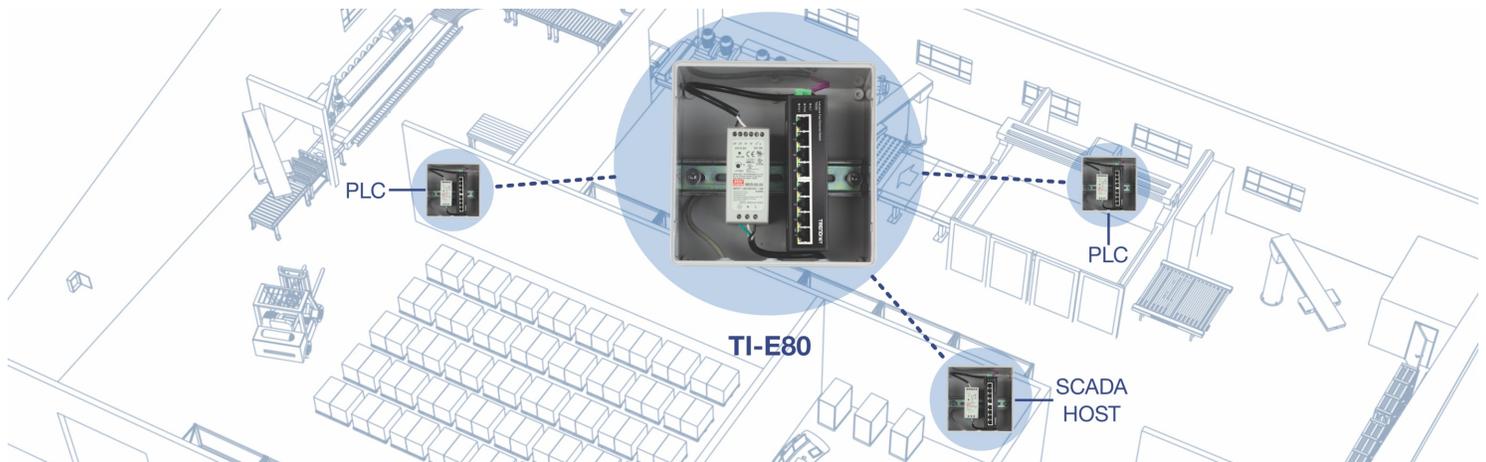
The industrial Ethernet switches feature dual power inputs to provide redundant power with overload current protection.



### Industrial Hardened Design

Equipped with a rugged IP30 rated housing, and designed to withstand a high degree of vibration and shock, while operating within a wide temperature range of -40° – 75° C (-40° – 167° F).

## NETWORKING SOLUTION



## FEATURES



### Easy Installation

Industrial Ethernet switches feature a quick and easy installation process with an intuitive guided setup



### DIN-Rail / Wall Mounts

IP30 rated metal enclosure with DIN-Rail mount and wall mount hardware included



### Shock and Vibration Resistant

Rated for shock (EN 60068-2-27), freefall (EN 60068-2-32), and vibration (EN 60068-2-6)



### Wide Temperature Range

A wide operating temperature range of -40° – 75° C (-40° – 167° F) allows for installations in industrial environments with extreme hot or cold conditions



### Redundant Power

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



### Grounding Point

Grounding point on each industrial Ethernet switch designed to protect equipment from external electrical surges



### 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: 2kV, (61000-4-5) Surge: Power: 2kV | Signal: 2kV

## SPECIFICATIONS

### Standards

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

### Device Interface

- 8 x Fast Ethernet ports
- 6-pin removable terminal block
- LED indicators
- DIN-Rail mount
- Wall mount
- Grounding point

### Data Transfer Rate

- Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)
- Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)

### Performance

- Data RAM Buffer: 56KB
- Switching Fabric: 1.6Gbps
- MAC Address Table: 1K entries
- Forwarding rate: 1.19Mpps (64-byte packet size)

### Special Features

- Hardened components rated for extreme temperatures
- Redundant power inputs
- ESD 8kV support
- Low-profile design

### DC Power

- Input: 12 – 56V DC
- Recommended power supply: TI-M6024 (sold separately)
- Max. consumption: 3W

### Terminal Block

- Redundant power inputs, alarm relay contact, 6-pin
- Wire range: 0.34mm<sup>2</sup> to 2.5mm<sup>2</sup>
- Solid wire (AWG): 12-24/14-22
- Stranded wire (AWG): 12-24/14-22
- Torque: 5 lb. – in. / 0.5Nm / 0.56Nm
- Wire strip length: 7-8mm
- Alarm Relay Contact
- Relay outputs with current carrying capacity of 1A, 24V DC
- Open circuit mode when two power sources are connected
- Short circuit mode when only one power source is connected

### MTBF

- 510,304 hours

### Housing

- IP30 metal case
- DIN-Rail mount
- Wall mount
- Grounding point

### Operating Temperature

- -40° – 75° C (-40° – 167° F)

### Operating Humidity

- Max. 95% non-condensing

### Dimensions

- 142 x 105 x 37mm (5.6 x 4.1 x 1.5 in.)

### Weight

- 486g (17.1 oz.)

### Certifications

- CE
- FCC
- UL
- Shock (IEC 60068-2-27)
- Freefall (IEC 60068-2-32)
- Vibration (IEC 60068-2-6)
- IEC 61000-4-2
- IEC 61000-4-4
- IEC 61000-4-5

### Warranty

- Lifetime

### Package Contents

- TI-E80
- Quick Installation Guide
- Removable terminal block
- DIN-Rail and wall mount kit

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.

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.

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