

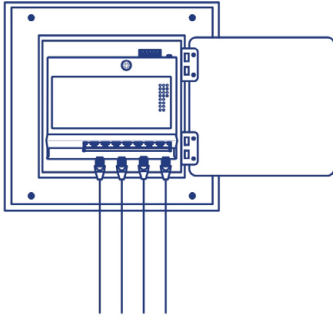


## 8-Port Industrial Gigabit PoE+ Wall-Mounted Front Access Switch

TI-PG80F (v2.0R)

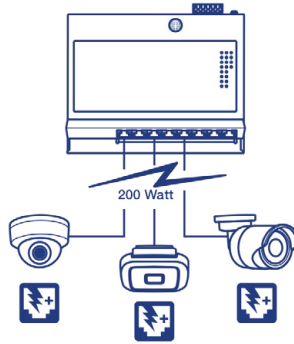
- 8 x Gigabit PoE+ ports
- 200W PoE power budget
- 16Gbps switching capacity
- Supports jumbo frames up to 9KB
- Hardened IP40 rated metal housing
- Includes DIN-Rail bracket and magnetic wall mount kit
- Operating temperature range of -40° – 75° C (-40° – 167° F)
- Redundant power inputs with overload current protection
- Alarm relay triggered by power failure
- Power supply sold separately (models: TI-S24048, TI-S48048, and 48VDC3000)

TRENDnet's Industrial Gigabit PoE+ Wall-Mounted Front Access Switch Series are well suited for IP surveillance, IoT, and automation networks for homes and businesses. These hardened industrial gigabit flat switches provide front access to ports and power interfaces for easier installation. The flat and compact size make them ideal for cabinet installations where space is limited. Each hardened industrial front access switch features gigabit PoE+ ports for connecting devices such as wireless access points, IP cameras, and IoT appliances. These hardened front access switches come equipped with an IP40 rated metal enclosure, designed to withstand a high degree of vibration and shock, while operating within a wide temperature range of -40° – 75° C (-40° – 167° F) for industrial environments.



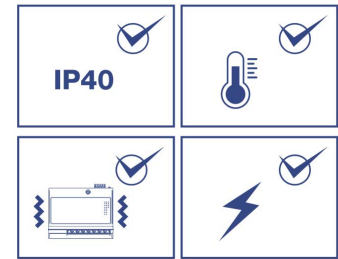
### Wall-Mounted Front Access Switch

The wall mountable flat switch provides front access to ports and power interfaces for easier installation. It's flat and compact size make it ideal for cabinet installations where space is limited.



### PoE+ Power

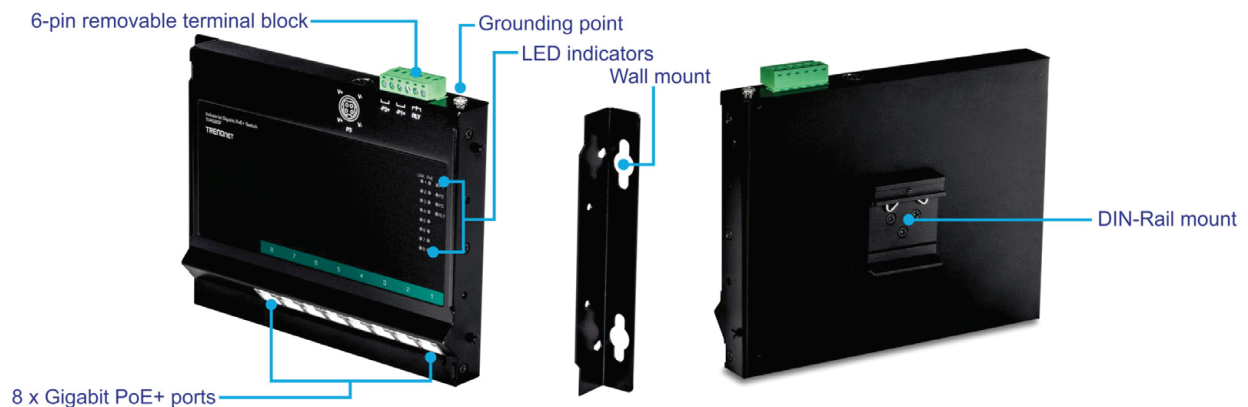
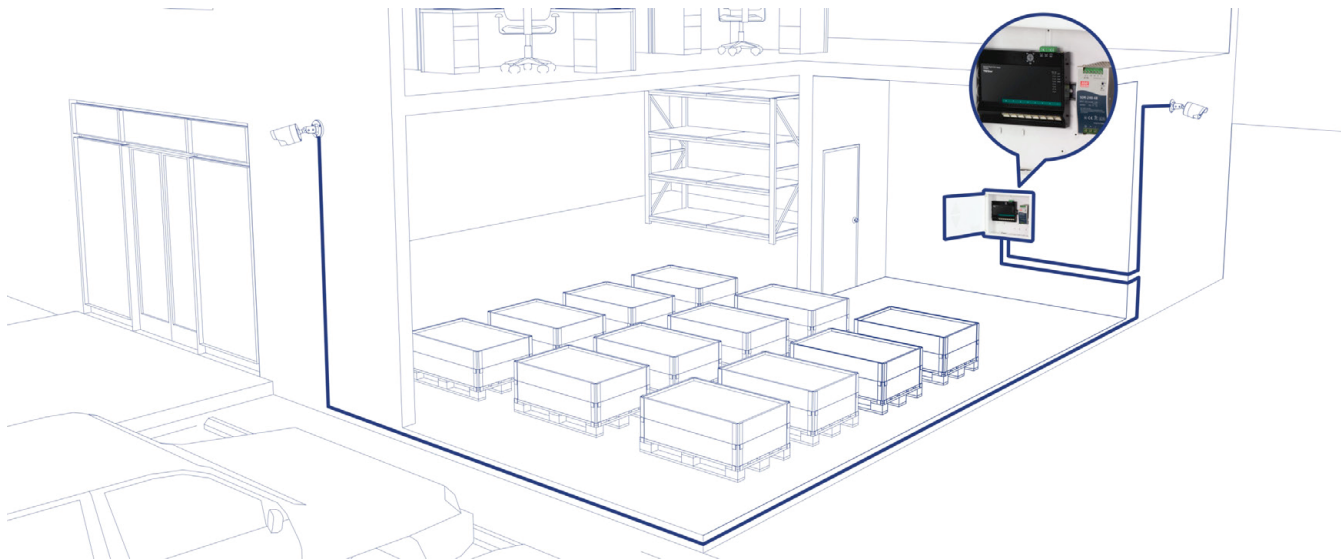
A 200W PoE power budget supplies PoE power from the hardened industrial front access switch to up to eight Power over Ethernet devices.



### Hardened Industrial Design

Equipped with an IP40 rated metal enclosure, this front access switch is designed to withstand a high degree of vibration and shock, while operating within a wide temperature range of -40° – 75° C (-40° – 167° F) for industrial environments.

## NETWORKING SOLUTION



## FEATURES



**Network Ports**  
8 x Gigabit PoE+ ports



**Compact**  
The flat and compact size makes the front access switch ideal for cabinet installations where space is limited



**Redundant Power**  
Dual power inputs provide redundant power with overload current protection, and an output alarm relay to indicate input power failure. (power supply sold separately: TI-S24048, TI-S48048, and 48VDC3000)



**Wide Temperature Range**  
Hardened industrial housing offers a wide operating temperature range of -40° – 75° C (-40° – 167° F), allowing for installations in extreme hot and cold environments



**LED Indicators**  
Front access switch with LED indicators that convey power and port status



**PoE Power**  
Supplies up to 30W of PoE+ power per port with a 200W power budget



**Mounting Hardware**  
Includes DIN-Rail bracket and magnetic wall mount kit



**Alarm Relay**  
Alarm relay output triggered by power failure of primary or secondary power inputs



**Shock and Vibration Resistant**  
Hardened design rated for shock (EN 60068-2-27), freefall (EN 60068-2-32), and vibration (EN 60068-2-6) for industrial settings



**Hardware Design**  
Wall mountable hardware design provides front access to ports and power interfaces for easier installation



**Switching Capacity**  
16Gbps switching capacity



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



**Grounding Point**  
Grounding point protects equipment from external electrical surges

## SPECIFICATIONS

### Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3x
- IEEE 802.3af
- IEEE 802.3at

### Device Interface

- 8 x Gigabit PoE+ ports
- 6-pin removable terminal block
- LED indicators
- 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: 1024KB
- Switching Fabric: 16Gbps
- MAC Address Table: 4K entries
- Jumbo Frame: 9KB
- Forwarding rate: 11.9Mpps (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 8KV support

### DC Power

- Input: 48 – 56 V DC
- Compatible power supply: TI-S24048, TI-S48048 (sold separately)
- Max. consumption: 5.76W (no PoE)

### AC Power

- Input: 100 – 240V AC, 50/60Hz, 2A
- Compatible power adapter: 48VDC3000 (sold separately)
- Output: 48V DC, 3.34A 160W max.

### PoE

- PoE budget: 200W @56V DC

### 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 / 0.56 Nm
- 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

- 500,000 hours

## Housing

- IP40 metal case
- DIN-Rail mount
- Wall mount
- Magnet mount
- Grounding point

## Operating Temperature

- -40° – 75° C (-40° – 167° F)

## Operating Humidity

- Max. 95 % non-condensing

## Dimensions

- 185 x 145 x 25mm (7.2 x 5.7 x 1 in.)

## Weight

- 726g (2 lb.)

## Certifications

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

## Warranty

- 3 year

## Package Contents

- TI-PG80F
- Quick Installation Guide
- Removable terminal block
- DIN-Rail, wall and magnet 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.