

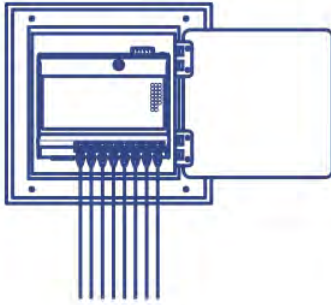


## 10-Port Industrial Gigabit PoE+ Wall-Mounted Front Access Switch

TI-PG102F (v1.0R)

- 8 x Gigabit PoE+ ports
- 2 x Gigabit SFP slots
- 240W PoE power budget
- 20Gbps switching capacity
- Forwarding rate: 14.88Mpps (64-byte packet size)
- Supports jumbo frames up to 10KB
- Hardened IP30 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)
- Lifetime Warranty

TRENDnet's Industrial Gigabit PoE+ Wall-Mounted Front Access Switch Series is 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 IP30 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. Its flat and compact size make it ideal for cabinet installations where space is limited.



### PoE+ Power

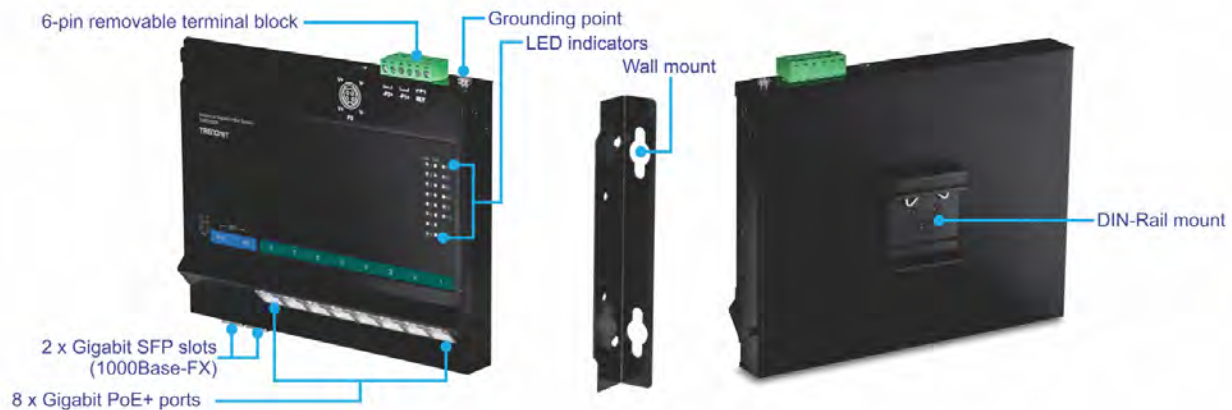
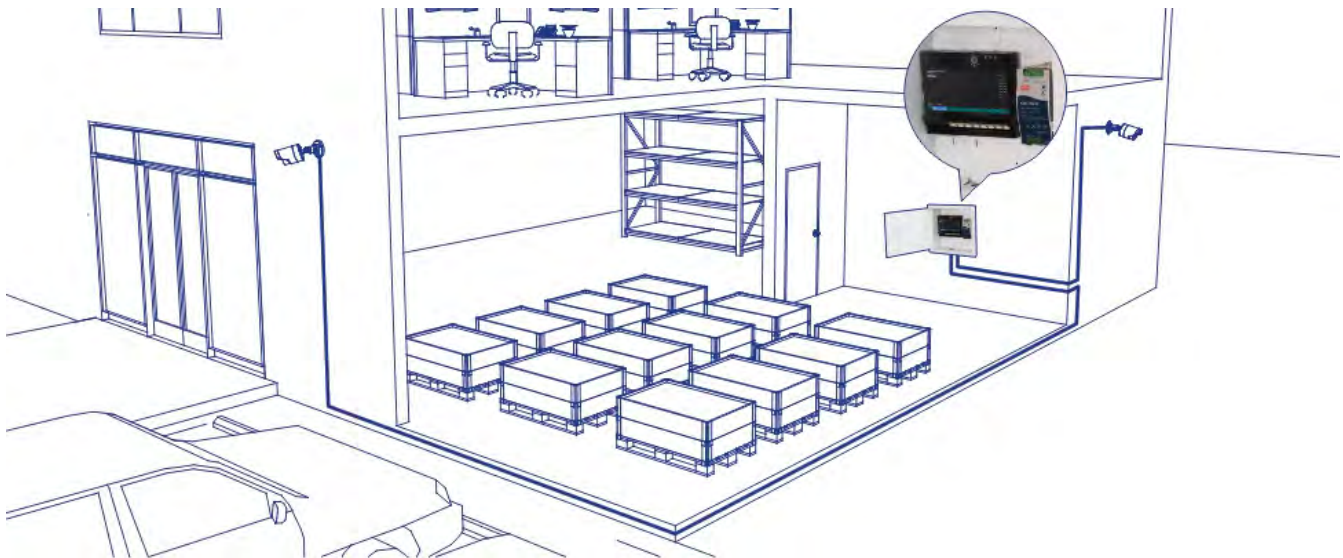
A 240W PoE power budget supplies PoE power from the hardened industrial front access switch to up to eight Power over Ethernet devices.



### Hardened Industrial Design

Equipped with an IP30 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, and 2 x Gigabit SFP Slots



### PoE Power

Supplies up to 30W of PoE+ power per port with a 240W power budget



### Hardware Design

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



### Compact

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



### Mounting Hardware

Includes DIN-Rail bracket and magnetic wall mount kit



### Switching Capacity

20Gbps switching capacity



### 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, models: TI-S24048, TI-S48048, and 48VDC3000)



### Alarm Relay

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



### Jumbo Frames

Sends larger packets, or jumbo frames (up to 10KB), for increased performance



### 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



### 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



### 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



### LED Indicators

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



### 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
- 2 x Gigabit SFP slots (1000Base-FX)
- 6-pin removable terminal block
- LED indicators
- Wall mount
- DIN-Rail mount
- Grounding point

### Data Transfer Rate

- Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)
- Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)
- Gigabit: 2000Mbps (full duplex)
- SFP: 2000Mbps (full duplex)

### Performance

- Data RAM Buffer: 0.25MB (Change unit of measure)
- Switching Fabric: 20Gbps
- MAC Address Table: 11K entries
- Jumbo Frame: 10KB
- Forwarding rate: 14.88Mpps (64-byte packet size)

### Special Features

- Hardened components rated for extreme temperatures
- Redundant power inputs
- Power DIN adapter (sold separately: model 48VDC3000)
- ESD 8kV support
- Low-profile design

### DC Power

- Input: 48 – 56V DC
- Recommended power supply: TI-S24048 (sold separately)
- Max. consumption: 4.8W (no PoE)

### Optional Power DIN Adapter (48VDC3000 sold separately)

- Input: 100 – 240V AC, 50/60Hz, 2A
- Output: 48V DC, 3.34A 160W max.

### PoE

- PoE budget: 240W

## 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

- 459,123 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

- 150 x 145 x 23mm (5.9 x 5.7 x 1 in.)

## Weight

- 635g (22.5 oz.)

## Certifications

- CE
- FCC
- 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-PG102F
- Quick Installation Guide
- Removable terminal block
- DIN-Rail and magnetic wall mount kits

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.