5-Port Industrial Gigabit PoE+ Wall-Mounted Front Access Switch

TI-PG50F (V3)

- 4 x Gigabit PoE+ ports
- 1 x Gigabit port
- 120W PoE power budget
- 10Gbps switching capacity
- Forwarding rate: 7.44Mpps (64-byte packet size)
- Supports jumbo frames up to 9KB
- Hardened IP50 rated metal housing
- Includes DIN-Rail bracket, magnetic mount, and wall mount kit
- Operating temperature range of -40° – 75° C (-40° – 167° F)
- Dual DC power inputs with overload current protection
- Alarm relay triggered by power failure
- Power supply sold separately (models: TI-S15052 or TI-S12048)
- Lifetime Warranty
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's 5-Port Industrial Gigabit PoE+ Wall-Mounted Front Access Switch, model TI-PG50F, is well suited for IP surveillance, IoT, and automation networks for homes and businesses. This hardened industrial gigabit flat switch provides front access to ports and power interfaces for easier installation. The flat and compact size makes it ideal for cabinet installations where space is limited. The 5-port industrial switch features four gigabit PoE+ ports for connecting devices, such as wireless access points, IP cameras, and IoT appliances, and one gigabit port for a network uplink. This hardened front access switch comes equipped with an IP50 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 makes it ideal for cabinet installations where space is limited.

PoE+ Power

A 120W PoE power budget supplies PoE power up to four Power over Ethernet devices.

Hardened Industrial Design

Equipped with an IP50 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.

FEATURES

Network Ports
4 x Gigabit PoE+ ports, and 1 x Gigabit port

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

Redundant Power
Dual power inputs with overload current protection (power supply sold separately: TI-S15052 or TI-S12048)

Extreme 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, alarm relay, and port status

PoE Power
Supplies up to 30W of PoE+ power per port with a 120W power budget

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

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

Shock and Vibration Resistant
Rated for shock (EN 60068-2-27), freefall (EN 60068-2-32), and vibration (EN 60068-2-6) for industrial environments

Grounding Point
Grounding point protects equipment from external electrical surges

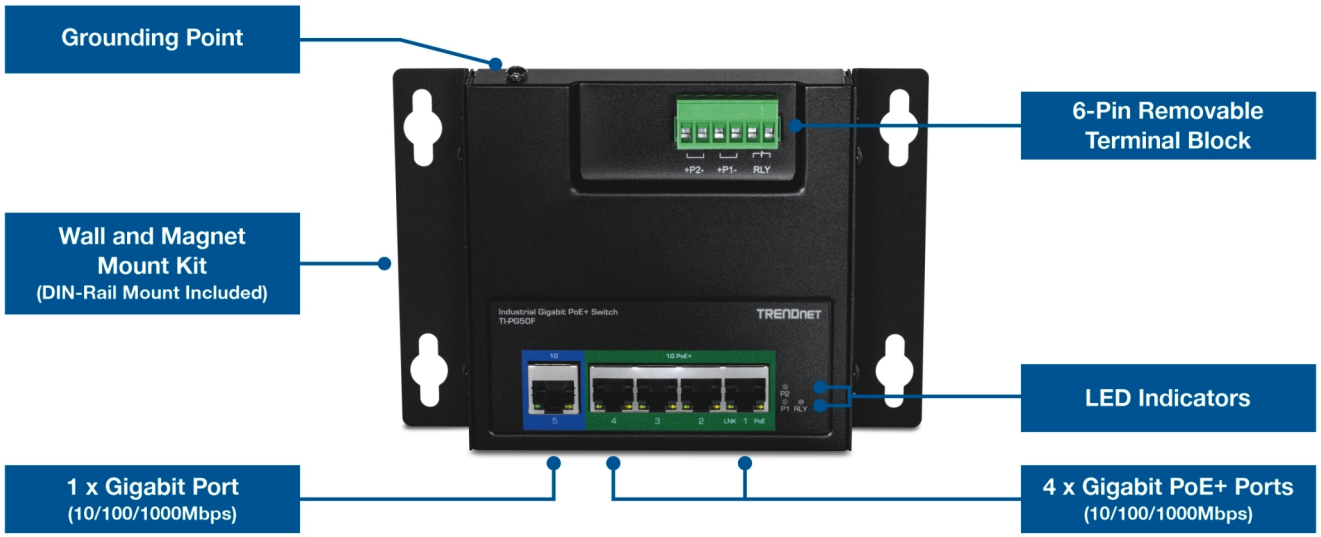
Hardware Design
Wall mountable hardware design provides front access to ports and power interfaces for easier installation

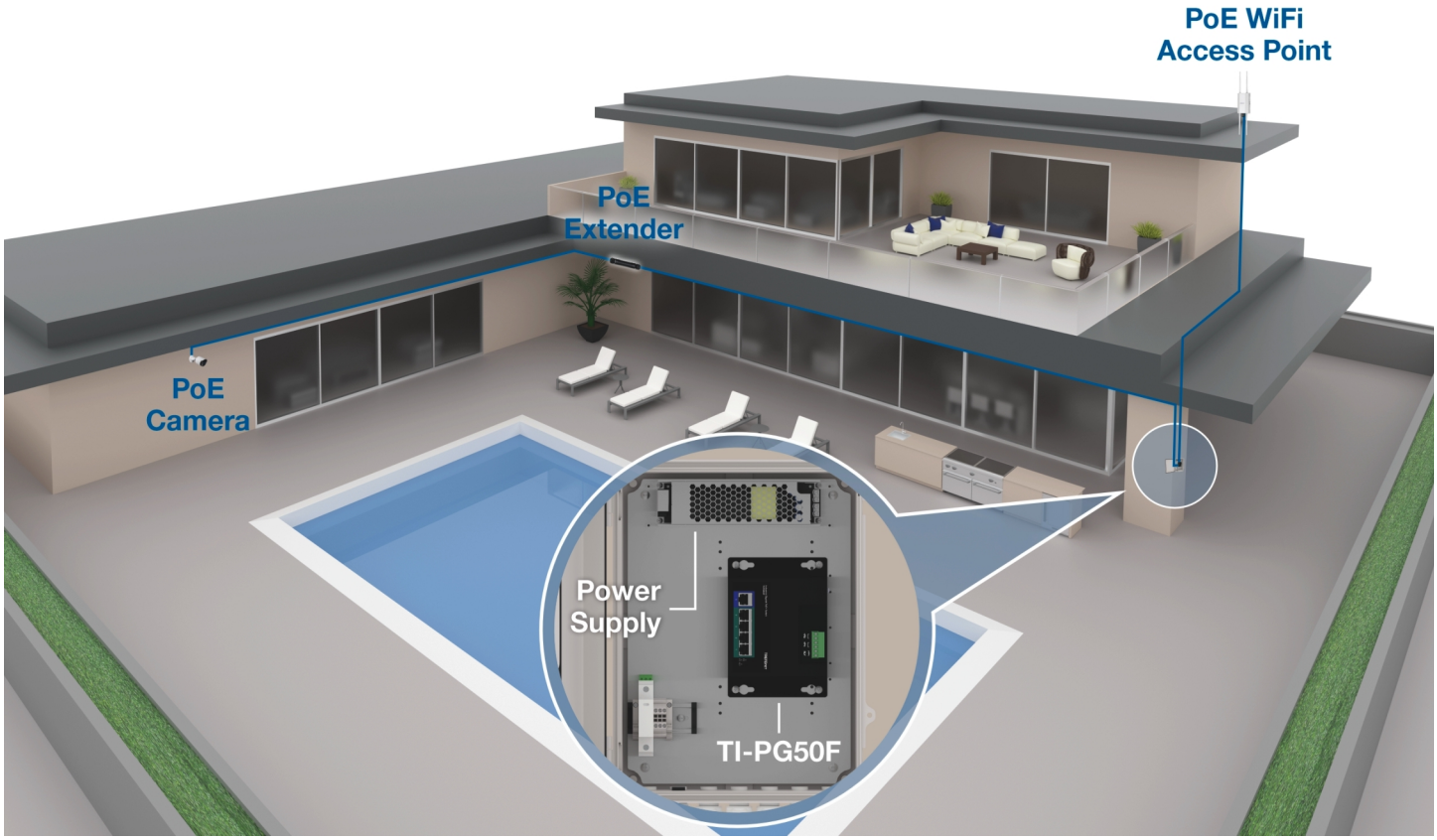
Switching Capacity
10Gbps switching capacity

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

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

NETWORKING SOLUTION





SPECIFICATIONS

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

Device Interface
- 4 x Gigabit PoE+ ports (10/100/1000Mbps)
- 1 x Gigabit port (10/100/1000Mbps)
- 6-pin removable terminal block
- LED indicators

Performance
- Data RAM Buffer: 128KB
- Switching Fabric: 10Gbps
- MAC Address Table: 2K entries
- Jumbo Frame: 9KB
- Forwarding rate: 7.44Mpps (64-byte packet size)

DC Power
- Input: 48 – 56 V DC
- Compatible power supply: TI-S12048 or TI S15052 (sold separately)
- Max. consumption: 3.5W @ 56V DC (without PD)

PoE
- 802.3af PoE: up to 15.4W per port
- 802.3at PoE+: up to 30W per port
- PoE budget: 120W @ 56V DC
- PoE Mode A: pin 1, 2 +; pin 3, 6 -

Terminal Block
- Dual power inputs, alarm relay contact, 6-pin
- Alarm relay: 1A @ 24V DC
- Wire range: 0.34mm² to 2.5mm²
- Solid wire (AWG): 12-24/14-22
- Stranded wire (AWG): 12-24/14-22
- Torque: 5 lb. – In / 0.5Nm (North America) / 0.56 Nm (EU)
- Wire strip length: 7-8mm

MTBF
- 1,311,618 hours @ 25° C

Housing
- IP50 metal case
- DIN-Rail mount
- Low-profile design
- Wall mount
- Magnet mount
- Grounding point
- 8kV ESD protection
- 2kV EFT protection
- 2kV surge protection

Operating Temperature
- - 40° – 75° C (-40° – 167° F)

Operating Humidity
- Max. 95% non-condensing

Dimensions
- 117 x 120 x 24mm (4.6 x 4.7 x 0.95 in.)
- 165 x 120 x 24mm (6.5 x 4.7 x 0.95 in.) with brackets

Weight
- 500g (17.7 oz.)

Certifications
- CE
- FCC
- LVD
- 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 Warranty

Package Contents
- TI-PG50F
- 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.

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.

20675 Manhattan Place • Torrance • CA 90501 • USA • T: 1-888-326-6061 • sales@trendnet.com • www.TRENDnet.com

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Updated: 2/6/2026