

6-Port Industrial Gigabit PoE+ DIN-Rail Switch

TI-PG541 (V3)

- 4 x Gigabit PoE+ ports
- 1 x Gigabit port
- 1 x 100/1000Mbps SFP port
- Up to 120W PoE power budget
- Hardened IP50 rated metal switch
- Extreme 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
- 12Gbps switching capacity
- Includes DIN-Rail mount and wall-mount brackets
- Power supply sold separately (model: TI-S15052, TI-S12048, 48VDC3000)
- Lifetime Warranty
- NDAA / TAA compliant (U.S. and Canada only)

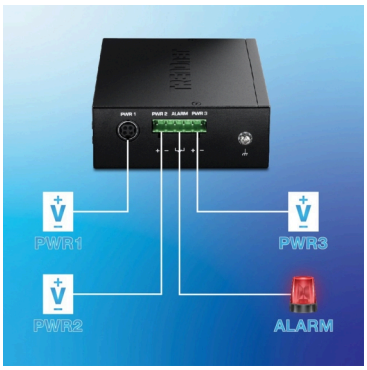
TRENDnet's 6-Port Industrial Gigabit PoE+ DIN-Rail Switch, model TI-PG541, features a rugged IP50 rated metal enclosure for industrial environments. This industrial unmanaged PoE+ switch is designed to withstand a high degree of vibration and shock, while operating in both high and low temperatures within -40° – 75° C (-40° – 167° F). Redundant power inputs with power failure alarm relay and overload current protection minimize network downtime.

Installers and integrators can save on equipment costs and reduce installation time with TRENDnet's Industrial Gigabit PoE+ Switch by delivering up to 30W per port of PoE power and data over existing Ethernet cables. With PoE technology, users only need one cable to deliver both data and power from the industrial unmanaged PoE+ switch. Utilize TRENDnet's industrial PoE+ switch to easily network PoE devices, such as high-power wireless access points, PTZ and other advanced IP cameras, VoIP phone systems, IPTV decoders, access controls, and more.



PoE+ Power

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



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

PoE+ Power
Up to 30W of power per port and data over a single Ethernet cable to PoE devices with a maximum 120W PoE budget

Network Ports
Four gigabit PoE+ ports, one gigabit port, and one SFP port

Easy Installation
No configuration needed, simply connect PoE+ network devices to the industrial unmanaged PoE+ switch

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-S15052, TI-S12048)

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

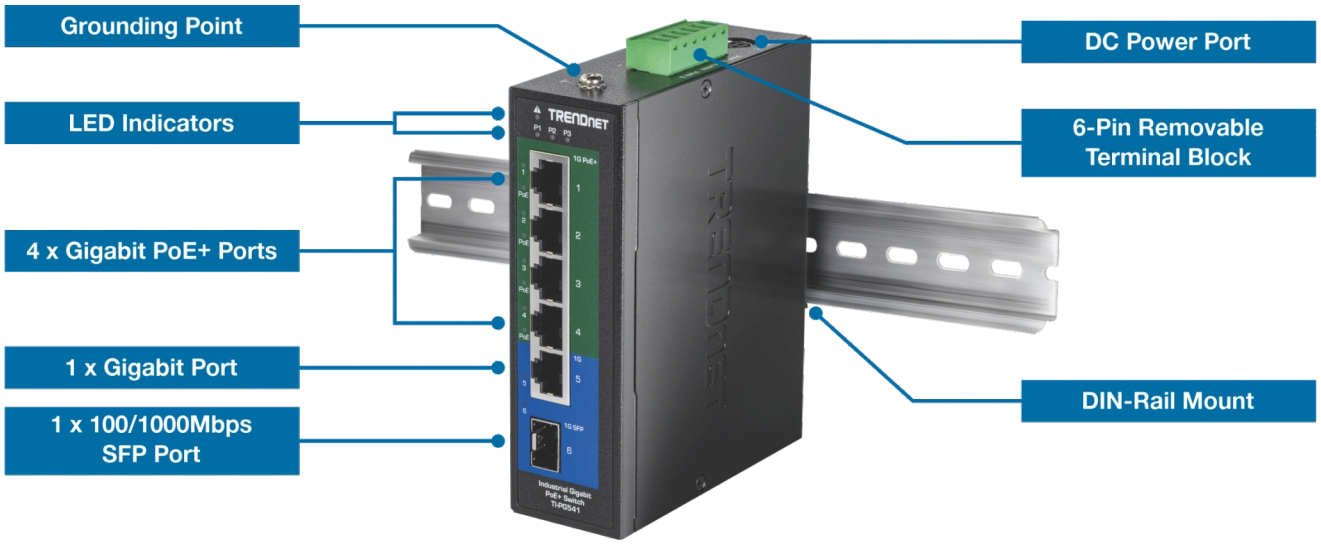
Shock and Vibration Resistant
Rated for shock (EN 60068-2-27), freefall (EN 60068-2-31), and vibration (EN 60068-2-6)

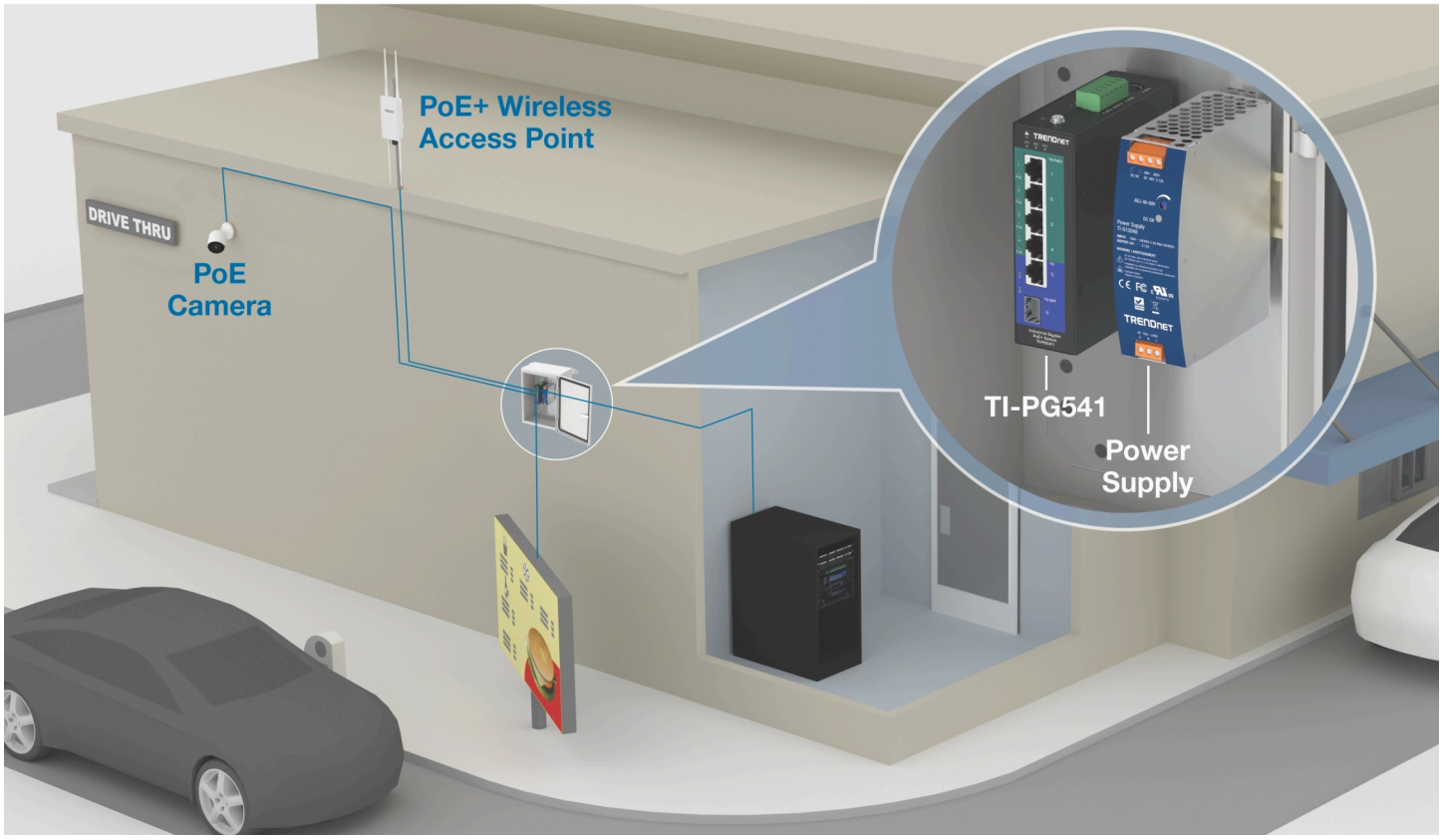
Electro Magnetic Compliance
Complies with industrial EMS certifications ESD (IEC 61000-4-2): Contact: 6kV, Air: 8kV; EFT (IEC 61000-4-4): Power: 2kV, Signal: 1kV; Surge (IEC 61000-4-5): Power: 2kV, Signal: 2kV

DIN-Rail / Wall Mounts
The rugged PoE+ switch includes DIN-Rail mount and wall-mount hardware

Grounding Point
The industrial unmanaged PoE+ 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 802.3z
- IEEE 802.3x
- IEEE 802.3af
- IEEE 802.3at

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

Performance
- Data RAM Buffer: 256KB
- Switching Fabric: 12Gbps
- MAC Address Table: 2K entries
- Jumbo Frame: 9KB
- Forwarding rate: 8.92Mpps (64-byte packet size)

DC Power
- Input: 48 - 57V DC
- Compatible power supply: TI-S15052, TI-S12048 (sold separately)
- Max. consumption: 5.76W @ 48V DC (without PD)

PoE
- 802.3af PoE: up to 15.4W per port
- 802.3at PoE+: up to 30W per port
- Power budget: 60W - 120W
- PoE Mode A: Pins 1, 2, 3, and 6 for power

Terminal Block
- 6-pin terminal block
- Alarm Relay: 1A @ 24V DC
- Wire range: 2.5mm2
- Solid wire (AWG): 14-22
- Stranded wire (AWG): 14-22
- Torque: 4.4 lb. – In / 0.39Nm / 0.5 Nm
- Wire strip length: 7-8mm

MTBF
- 2,014,800 hours @ 25°C

Housing
- IP50 metal case
- DIN-Rail mount
- Wall mount
- Grounding point
- 6kV ESD protection
- 2kV surge protection

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

Operating Humidity
- Max. 95% non-condensing

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

Dimensions
- 127 x 101 x 39mm (5 x 3 x 1.5 in.)

Weight
- 546g (19.3 oz.)

Certifications
- CE
- FCC
- LVD
- IEC 61000-4-2
- IEC 61000-4-4
- IEC 61000-4-5
- Shock (IEC 60068-2-27)
- Freefall (IEC 60068-2-31)
- Vibration (IEC 60068-2-6)

Warranty
- Lifetime Warranty

Package Contents
- TI-PG541
- Removable terminal block
- DIN-Rail / 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.

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