

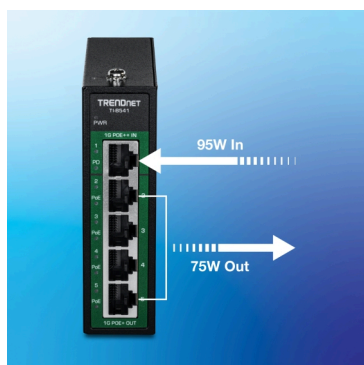


5-Port Industrial Gigabit PoE++ Powered DIN-Rail Switch with PoE Passthrough

TI-B541 (V2)

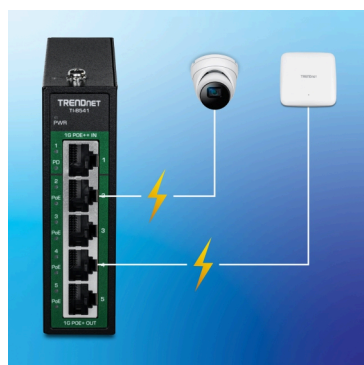
- 1 x Gigabit PoE++ input port
- 4 x Gigabit PoE+ output ports
- Up to 75W PoE power budget with PoE++ (95W) input power
- Hardened IP50-rated metal switch
- Includes DIN-Rail and wall mounts
- Supports VLAN Passthrough
- Lifetime Warranty
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's 5-Port Industrial Gigabit PoE++ Powered DIN-Rail Switch with PoE Passthrough, model TI B541, operates using power delivered from a PoE++ switch or injector, eliminating the need for an AC adapter. This industrial-grade switch provides four Gigabit PoE+ ports capable of powering devices, such as IP cameras, VoIP handsets, and wireless access points. Its PoE++ powered design enables flexible installation in locations up to 100 meters away without nearby electrical outlets. Built with a hardened IP50-rated housing and an operating temperature range of -40° – 75°C (-40° – 167°F), the TI B541 is engineered to perform reliably in harsh and demanding industrial environments.



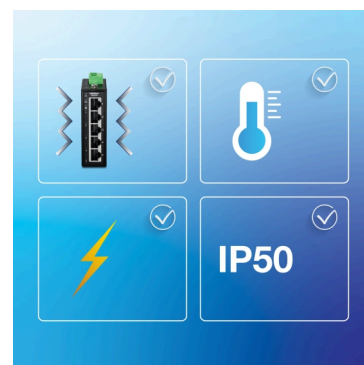
PoE++ Powered

This switch is powered by a PoE++ switch or an injector. It features four Gigabit PoE+ ports to power PoE devices, such as IP cameras and wireless access points.



PoE Budget

The industrial switch provides a 75W PoE power budget, enabling support for up to four PoE devices.



Industrial Hardened Design

Rugged IP50 enclosure with a high degree of vibration and shock resistance, ESD/EMI/surge protection, and a wide operating temperature range - 40° – 75° C (- 40° – 167° F).

FEATURES



PoE++ Powered

This switch is powered by a 95W PoE++ PSE.



DIN-Rail/Wall Mounts

The PoE-powered industrial switch features an IP50 rated metal enclosure with included DIN-Rail and wall mount hardware.



Switching Capacity

10Gbps switching capacity.



Grounding Point

Grounding point on the PoE-powered industrial switch protects equipment against external electrical surges.



Device Interface

Features one 95W PoE++ input and four Gigabit PoE+ output.



Rated for Extreme Environments

Rugged IP50 rated enclosure designed to withstand a high degree of vibration and shock, and operate within a wide temperature range - 40° – 75° C (- 40° – 167° F) for harsh environments.



Shock and Vibration Resistant

Rated for shock (IEC 60068-2-27), freefall (IEC 60068-2-31), and vibration (IEC 60068-2-6).



LED Indicators

LED indicators on the PoE-powered industrial switch convey port status.



PoE Budget

The industrial switch provides a 75W PoE power budget, enabling support for up to four PoE devices.



Jumbo Frame

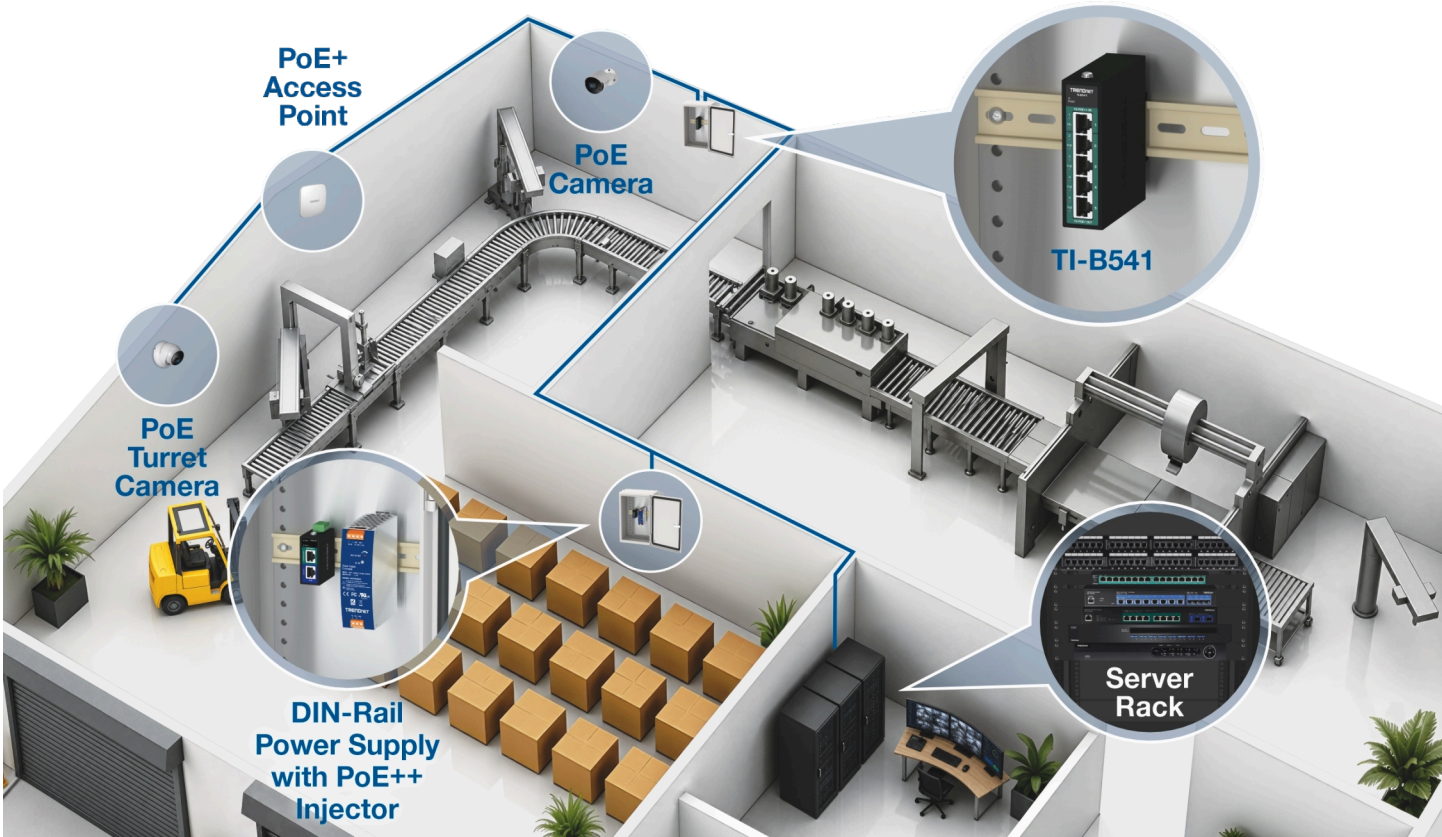
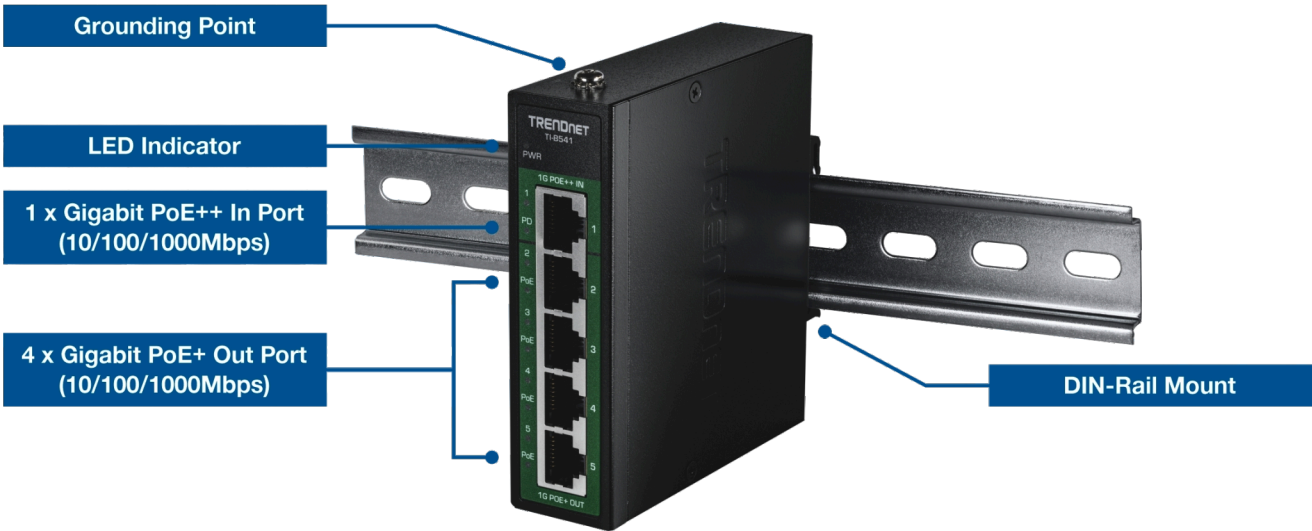
Sends larger packets, or Jumbo Frames (up to 9KB), for increased performance.



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: 2kV; Surge (IEC 61000-4-5): 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
- IEEE 802.3bt

Device Interface

- 1 x Gigabit PoE++ in port (10/100/1000Mbps)
- 4 x Gigabit PoE+ out port (10/100/1000Mbps)

Performance

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

PoE Budget

- 802.3af 30W PoE input: up to 22W
- 802.3at 60W PoE+ input: up to 52W
- 802.3bt 95W PoE++ input: up to 75W

MTBF

- 2,619,274 hours @ 25°C

Housing

- IP50 metal case
- DIN-Rail mount
- Wall mount
- Grounding point
- 6kV ESD protection
- 6kV RJ45 protection

Operating Temperature

- -40° – 75° C (-40° – 167° F)

Operating Humidity

- Max. 95% non-condensing

Dimensions (L x W x H)

- 99 x 90 x 28mm (3.9 x 3.54 x 1.1 in.)

Weight

- 288g (0.63 lb.)

Certifications

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

Warranty

- Lifetime Warranty

Package Contents

- TI-B541
- DIN-Rail and 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.