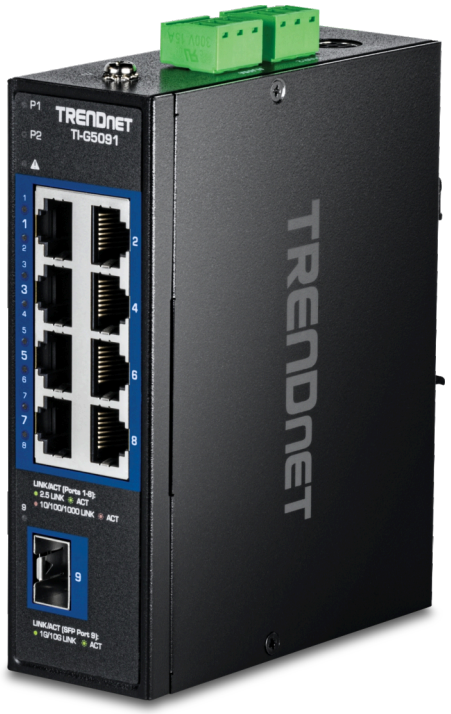


9-Port Industrial 2.5G DIN-Rail Switch with 10G SFP+ Port

TI-G5091 (v1.xR)

- 8 x 2.5G ports
- 1 x 10G SFP+ port
- Hardened IP50 rated metal switch
- Extreme -40° – 75° C (-40° – 167° F) operating temperature range
- Redundant power inputs with overload current protection
- Alarm output triggered by power failure
- 60Gbps switching capacity
- Includes DIN-Rail and wall mounts
- Power supply sold separately (models: TI-M6024, 48VDC3000)
- Lifetime Warranty
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's 9-Port Industrial 2.5G DIN-Rail Switch with 10G SFP+ Port, model TI-G5091, features a rugged IP50 rated metal enclosure and is designed to work in the harshest networking environments. This industrial 2.5G switch is designed to withstand a high degree of vibration and shock, while operating in both high and low temperatures for industrial environments within -40° – 75° C (-40° – 167° F). Redundant power inputs with overload current protection, and a power failure alarm relay minimize network downtime. This industrial multi-gig switch features 2.5G RJ-45 ports for high-speed device connections, and a 10G SFP+ port for backbone fiber networking applications.



Multi-Gigabit Ports

This industrial 2.5G switch features 2.5G RJ-45 ports for high-speed device connections, and a 10G SFP+ port that support high-speed and long-distance fiber networking applications.



Redundant Power

Multiple power inputs provide redundant power with overload current protection on this industrial multi-gig switch, minimizing overall network downtime (power supply sold separately).



Industrial Hardened Design

Equipped with a rugged IP50 rated housing, designed to withstand a high degree of vibration and shock, and operate within an extreme temperature range of -40° – 75° C (-40° – 167° F).

FEATURES

Multi-Gigabit Ports
The industrial 2.5Gb Ethernet switch features 2.5G RJ-45 ports for high-speed device connections, and a 10G SFP+ port that supports long-distance fiber networking applications

DIN-Rail / Wall Mounts
IP50 rated metal enclosure with included DIN-Rail mount and wall mount hardware

Redundant Power
Multiple power inputs on the industrial 2.5G switch provide redundant power with overload current protection (power supply sold separately, models: TI-M6024, 48VDC3000)

Alarm Relay
Alarm relay on the industrial 2.5G switch is triggered by power failure of primary and/or redundant power

Jumbo Frame
Supports larger packets, or Jumbo Frames (up to 12KB), for increased performance

Extreme Temperature Range
Operating temperature range of -40° – 75° C (-40° – 167° F) allows for the installation of the industrial 2.5G switch in environments with extreme hot or cold conditions

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

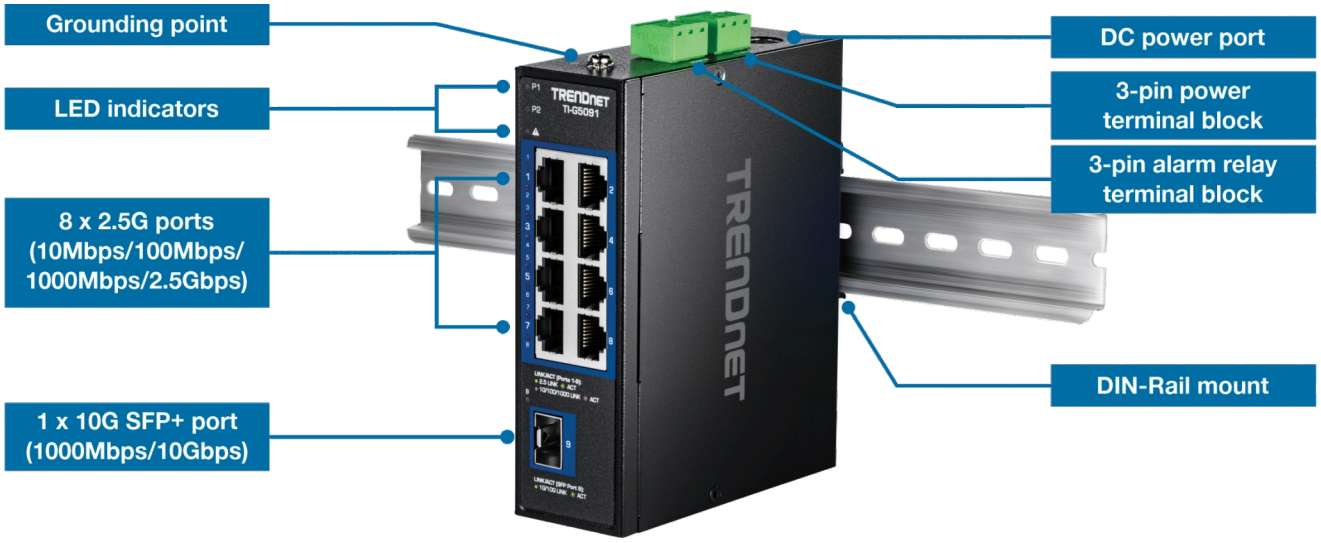
Electro Magnetic Compliance
Complies with industrial EMS certifications (IEC 61000-4-2) ESD:
Contact: 6kV | Air: 8kV, (IEC 61000-4-4) EFT: Power: 2kV | Signal: 1kV, (61000-4-5) Surge: Power: L-G 2kV/L-L 1KV | Signal: 2kV

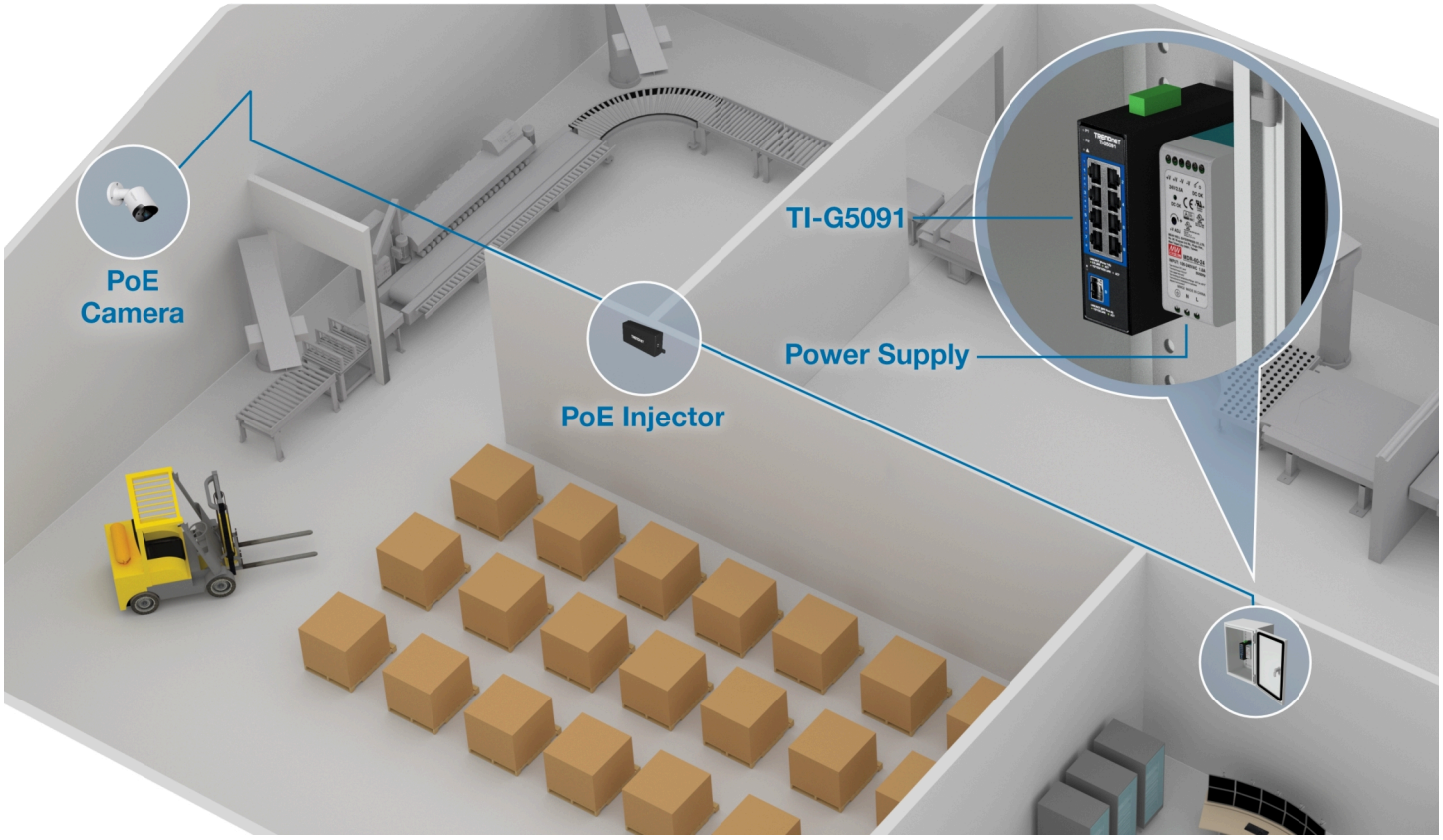
Grounding Point
Grounding point for high voltage protection

Switching Capacity
60Gbps switching capacity

LED Indicator
LED Indicators on the industrial 2.5G switch convey port status

NETWORKING SOLUTION





SPECIFICATIONS

Standards
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3z
- IEEE 802.3ab
- IEEE 802.3ae
- IEEE 802.3bz

Device Interface
- 8 x 2.5G ports (10Mbps/100Mbps/1000Mbps/2.5Gbps)
- 1 x 10G SFP+ port (1000Mbps/10Gbps)
- 3-pin power terminal block
- 3-pin alarm relay terminal block
- Power port
- LED indicators
- Grounding point

Data Transfer Rate
- Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)
- Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)
- Gigabit Ethernet: 2000Mbps (full duplex)
- 2.5G Ethernet: 5Gbps (full duplex)
- 10G SFP+: 20Gbps (full duplex)

Performance
- Data RAM Buffer: 1MB
- Switching Fabric: 60Gbps
- MAC Address Table: 4K entries
- Jumbo Frame: 12KB
- Forwarding Rate: 44.64Mpps (64-byte packet size)

Special Features
- Hardened components rated for extreme temperatures
- Dual power inputs
- Auto negotiation
- Support VLAN pass through
- Auto store and forward architecture
- Automatic address learning and address aging
- ESD 6kV protection

Power
- Input: 9 - 60V DC
- Compatible power supply: TI-M6024 (sold separately)
- Compatible power adapter: 48VDC3000 (sold separately)
- Max. consumption: 14W

Terminal Block
- 3-pin terminal block
- Wire range: 2.5mm^2
- Solid wire (AWG): 12-28
- Stranded wire (AWG): 12-28
- Torque: 3 lb. – In / 0.3Nm / 0.33Nm
- Wire strip length: 7-8mm

Alarm Relay Contact
- Relay outputs with current carrying capacity of 1A, 24V DC
- Short circuit mode when two power sources are connected
- Open circuit mode when only one power source is connected

MTBF
- 615,965 hours

Housing
- IP50 metal case
- DIN-Rail mount
- Wall mount

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

Operating Humidity
- Max. 95% non-condensing

Dimensions
- 120 x 100 x 40mm (4.7 x 3.9 x 1.5 in.)

Weight
- 574g (20.2 oz.)

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

Warranty
- Lifetime Warranty

Package Contents
- TI-G5091
- Quick Installation Guide
- Removable terminal blocks
- 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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