



TNS5500D-8P-P24

Wall Mounting/DIN-Rail

8-port 100M Railway unmanaged Industrial PoE Switch

- Support 8*10/100M M12 copper ports.
- Support 24VDC(9-36VDC) power supply input
- Support IEEE 802.3af/at PoE
- Support IP67 protection
- Support -40~75°C wide operating temperature range



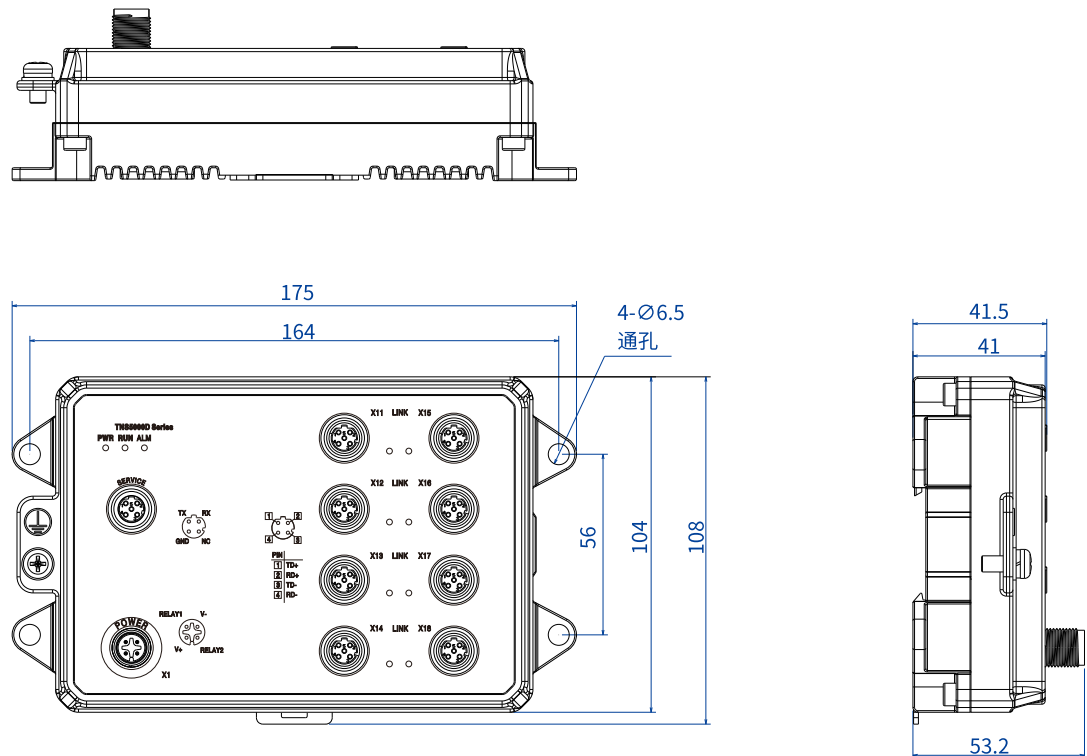
Introduction

TNS5500D-8P-P24 is 8-port 100M unmanaged Industrial PoE switch. It conforms to the EN50155 and EN50121 industry standard. Ethernet interfaces use firm and reliable M12 connectors which can adapt to usage scenario with vibration and shock. PoE power supply conforms to IEEE 802.3af/at protocol standard. This product provides 100M M12 connectors, and it adopts wall mounting which can meet the requirements of different scenes.

When power supply has failure or Ethernet port has failure, the ALM indicator would be on and send alerts for quick troubleshooting on the scene. Hardware adopts fanless, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which can be widely used in systems such as vehicle PIS, CCTV, video surveillance, train control.

Dimension

Unit:mm



Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3x for flow control IEEE 802.3af for PoE IEEE 802.3at for PoE+
Interface	100M M12: 10/100 Base-T(X), M12(Female), 4-Pin D-Coded, automatic flow control, full/half duplex mode, MDI/MDI-X autotuning PWR: M12(male), 4-Pin A-coded Service: CLI commend(RS232), M12(female), 4-PIN D-Coded
Indicator	Power, Alarm, Run, Port, PoE
Switch Property	Transmission mode: store and forward MAC address: 8K Packet buffer size: 1Mbit Backplane bandwidth: 7.6G Switch time delay: <10μs
Power supply	24VDC(9~36VDC), M12(Male), 4-Pin A-Coded Anti-reverse design
Power consumption	No-load: 2.1W@24VDC Full-load: 123.8W@24VDC
Working environment	Operating temperature: -40~75°C Storage temperature:-40~85°C Relative humidity: 5%~95% (no condensation)
Physical Characteristic	Housing: IP67 protection, metal Installation: wall mounting or DIN-Rail Dimension (W x H x D): 175mm×53.2mm×104mm Weight: 0.642kg
Industrial Standard	EN50121-3-2: 2016 standard, table 5.3, Level A <ul style="list-style-type: none"> Air discharge: ±8kV Contact discharge: ±6kV
	EN50121-3-2: 2016 standard, table 3.2, Level A <ul style="list-style-type: none"> Power supply: ±2kV Ethernet port: ±2kV
	EN50121-3-2: 2016 standard, table 3.3, Level A <ul style="list-style-type: none"> Power supply: common mode±2kV, differential mode±1kV

EN50121-3-2: 2016 standard, table 5.1/5.2, Level A

- 80MHz~800MHz, 20V/m
- 800MHz~1GHz, 20V/m
- 1.4GHz~2.0GHz, 10V/m
- 2.0GHz~2.7GHz, 5V/m
- 5.1GHz~6GHz, 3V/m

EN50121-3-2: 2016 standard, table 3.1/4.1, Level A

- Power supply: 0.15MHz~80MHz, 10V
- Ethernet port: 0.15MHz~80MHz, 10V

EN50121-3-2: 2016 standard, table 3.1, Level A

- 150kHz~500kHz, 79dBµV Quasi-peak
- 500kHz~30MHz, 73dBµV Quasi-peak

EN50121-3-2: 2016 standard, table 3.1, Level A

- 30MHz~230MHz, <40dBµV/m Quasi-peak
- 230MHz~1GHz, <47dBµV/m Quasi-peak

Shock: IEC 61373

Free fall: IEC 60068-2-32

Vibration: IEC 61373

Certification	CE, FCC, RoHS, EN50155, EN50121-3-2, IEC61373, EN45545-2, UL61010, IRIS
Warranty	5 years

Ordering Information

Model	100M M12	100M PoE M12	1G M12	1G PoE M12	1G Bypass M12	Power
TNS5500D-8P-P24	-	8	-	—	-	24VDC



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