3onedata
Make network communication more reliable

TNS5500D-8T-P24

Wall Mounting/DIN-Rail
8-port 10/100M Layer 2 Managed Industrial Ethernet Switch

- Support 8-port 10/100M D-code M12
- Adopt SW-Ring technology, support single ring, coupling ring, chain, Dual-homing, automatic recovery time of network failure < 20ms
- Support 9-36VDC power input
- Support -40~75℃ wide operating temperature range
- Support IP67 protection

Industrial Grade

Introduction

TNS5500D-8T-P24 is 8-port 100M layer 2 managed M12 industrial Ethernet switch. The Ethernet interface adopts firm and reliable M12 form, which can be applied to scenes with severe vibration and impact. This product provides 8 fast Ethernet M12, adopts wall mounting, which can meet the needs of different application fields.

The network management system supports various network protocols and industry standards, such as SW-Ring, STP/RSTP, 802.1Q VLAN, QoS function, LLDP, port trunking, port mirroring, etc. It has perfect management functions, support port configuration ,port statistics, access control, rapid configuration, online upgrade, etc.; It can support CLI, WEB, SSH, Telnet, SNMP and other access methods; It can provide users with good experience with friendly design of network management system interface, simple and convenient operation.

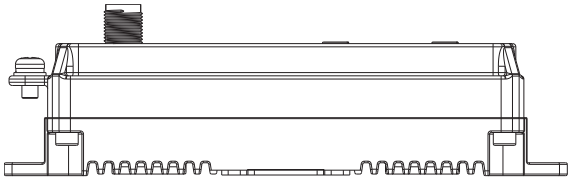
The input power supply is two independent power supply circuits which can ensure the normal operation of the device when one power supply fails. When port, power supply or other configurable events have failure or alarm, ALM indicator will be bright and send out prompt for rapid scene troubleshooting. The hardware adopts fanless, low power consumption and wide temperature and voltage design, which has passed rigorous industrial standard tests, and suits for the industrial scene environment with harsh requirements for EMC. It can be widely used in factory automation, process automation, smart grid, railway transportation, smart city, intelligent manufacturing and other industrial fields.

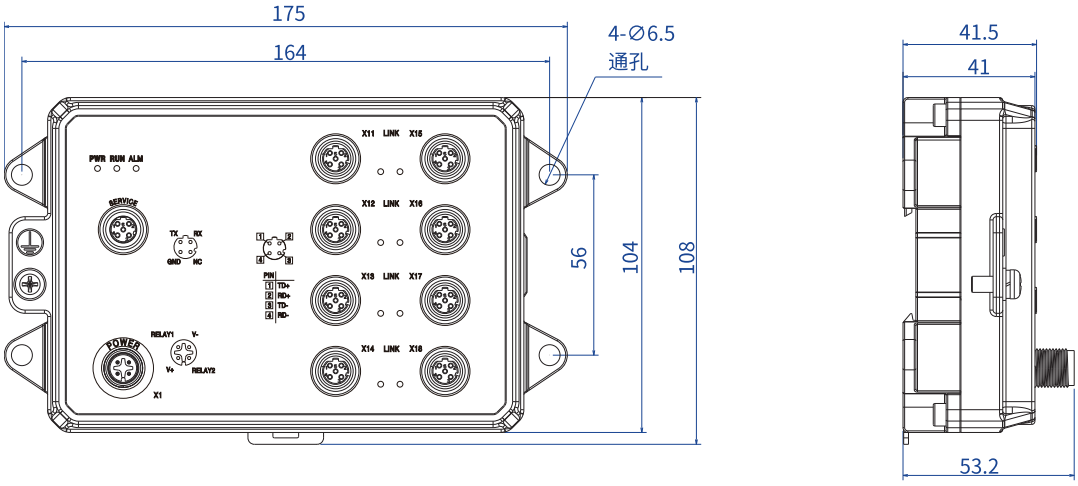
Features and Benefits

- SNMPv1/v2c is used for network management of various levels
- QoS supports real-time traffic classification and priority setting
- LLDP can achieve automatic topology discovery, which is convenient for visual management
- File management is convenient for the device rapid configuration and online upgrading
- SW-Ring and STP/RSTP can achieve network redundancy, preventing network storm
- Relay alarm is convenient for troubleshooting of construction site
- Storm suppression can restrain broadcast, unknown multicast and unicast
- VLAN is used for simplifying network planning
- Port Trunking can increase network bandwidth and enhance the reliability of network connection to achieve optimum bandwidth utilization
- IGMP Snooping can be used for filtering multicast traffic to save the network bandwidth

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 802.1D for Spanning Tree Protocol IEEE 802.1w for Rapid Spanning Tree Protocol IEEE 802.1Q for VLAN IEEE 802.1p for CoS IEEE 802.1AB for LLDP
Management	SNMP v1/v2c Centralized Management of Equipment, Port Mirroring, QoS, LLDP ,User Password, Loop Protection, File Management, Log Management Port Statistics
Security	User Privilege Classification, SNMP, Port Alarm, Threshold Alarm, Loop Protection
Switch Function	802.1Q Vlan, Port aggregation, bandwidth management, Flow Control

Unicast/Multicast	Static multicast, IGMP-Snooping
Redundancy Technology	SW-Ring、STP/RSTP
Time Management	SNTP
Interface	100M M12 port: 10/100Base-T(X), M12(Female), 4-PIN D-coded, Automatic Flow Control, Full/Half Duplex Mode, MDI/MDI-X Autotunning Console port: CLI command line management port(RS-232), M12(Female), 4-PIN D-coded
Indicator	Running indicator, alarm indicator, power supply indicator, interface indicator
Switch Property	Transmission mode: store and forward MAC address: 8K Packet buffer size: 1Mbit Backplane bandwidth: 7.6G Switch time delay: <10μs
Power supply	• Voltage range: 9~36VDC • Connection method: M12(Male), 4-PIN A-coded • Connection protection: non-polarity
Power Consumption	No-load: 2.1W@24VDC Full-load: 3.8@24VDC
Working Environment	Operating temperature: -40~75℃ Storage temperature:-40~85℃ Relative humidity: 5%～95%（no condensation）
Physical Characteristic	Housing: IP67 protection, metal Installation: DIN-Rail or wall mounting Weight: 692g Dimension (W x H x D): 175mm×104mm×53.2mm
Industrial Standard	IEC 61000-4-2 (ESD, electrostatic discharge), Level 3 IEC 61000-4-4 (EFT, electrical fast transient pulses), Level 3 IEC 61000-4-5 (Surge), Level 3 Shock: IEC61373 Free fall: IEC 60068-2-32 Vibration: IEC61373

Certification	CE, FCC, RoHS, UL, IEC61373
Warranty	5 years