

TNS5500 Series

8-Port 10/100Base-T(X) M12 (POE) + 4-Port 10/100/1000Base-T(X) M12

EN50155 Layer 2 M12 Managed Industrial Switch (POE is optional)

Features

- Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE 802.1p, IEEE 802.1Q, IEEE802.1D/W, IEEE802.3ad, IEEE802.3af/at
- Support 8 10/100BaseT(X) M12 ports (POE is optional), 4 10/100/1000BaseT(X) M12 ports with bypass
- Support SW-Ring™ ring network patent technology (Fault recovery time<20ms)
- Support STP/RSTP for network redundancy
- Support static multicast, IGMP Snooping and LLDP
- Support Port based VLAN and IEEE802.1Q VLAN
- Support QOS absolutely and opposite priority
- Support WEB, SNMP and Telnet configuration
- Support port Trunking, port mirroring and port frame statistics
- Support one 110VAC/DC (100-240VAC/DC) input, and one relay alarm output
- Industrial design, -40~75℃ working temperature
- IP30 protection grade, 19-inch rack mounting



Introduction

TNS5500 series are high-end, high-performance and cost-effective managed switches. They provide with 8 10/100BaseT(x) POE M12 ports (POE is optional) and 4 10/100/1000BaseT(X) M12 ports. It comes with advanced management functions, such as SW-Ring, VLAN, Trunking, Quality of Service, Rate Control, LLDP, Port Mirroring, Fault Alarm, and Online Firmware Update. The unique SW-Ring™ redundant network patented technology brings you a smart redundancy for Ethernet.

Accorded with FCC, CE standards and industrial design requirements, it provides high-performance and high quality solutions for the construction of smart substation. Provided with one power supply input, one relay alarm output and -40~75℃ working temperature, it can satisfy all kinds of industrial network environment and can be widely applied in such areas as electric power, PIS (Passenger Information System), VSCS(video surveillance & control system) and CTCs (Chinese Train Control System).

Specification

Technology

Standard: IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.1D/W, IEEE802.1Q, IEEE802.1p, IEEE802.3ad, IEEE802.3af/at

Flow control: IEEE802.3x flow control, back pressure flow control

Protocol

ARP, ICMP, TCP, DHCP, DNS, HTTP, Telnet, SW-Ring, RSTP, GMRP, IGMP Snooping, SNMP, LLDP, LACP, SMTP, STP

Interface

Fast Ethernet: M12 D-coded 4-pin female connector, 10/100BaseT(X) auto negotiation speed, full / half duplex, self-adaptive working mode, MDI/MDI-X self-adaptive, with PoE function

Gigabit Ethernet: M12 A-coded 8-pin female connector, 10/100/1000BaseT(X) auto negotiation speed, full / half duplex, self-adaptive working mode, MDI/MDI-X self-adaptive, with bypass relay function

Console Port: RS232, RJ45 connector

Alarm Port: 3 bit terminal block, 1 channel relay alarm output, current carrying capacity of 1A @ 24VDC

Switch Properties

100M forward speed: 148810pps

1000M forward speed: 1488100pps

Transmit mode: store and forward

Switched bandwidth: 12.8G

MAC table size: 8K

Buffer: 3Mbit

LED indicator

Run indicator: Run

Interface indicator: Link (1~8/G1~G4)

POE indicator: 1~8

Power supply indicator: PWR

Alarm indicator: Alarm

Power Supply

Input voltage: 110VAC/DC (100-240VAC/DC)

Connection: 3 bits terminal block

Consumption

TNS5500-4GT-8POE

No-load power: 14.08W@110VDC

Full-load power: 100.54W@110VDC

TNS5500-4GT-8T

No-load power: 14.30W@110VDC

Full-load power: 14.85W@110VDC

Physical Characteristics

Shell: IP30 protect grade, metal shell

Size (H*W*D): 441.6mm×207.9mm×44.6mm

Weight: 2.83kg

Installation: 19" 1U rack

Working Environment

Working temperature: -40°C~75°C(65°C for POE device)

Storage temperature: -40°C~85°C

Humidity: 5%~95% (no condensation)

Industry Standard

EMI: FCC Part 15, CISPR (EN55022) class A

EMS: EN61000-4-2 (ESD), Level 3

EN61000-4-4 (EFT), Level 3

EN61000-4-5 (Surge), Level 3

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

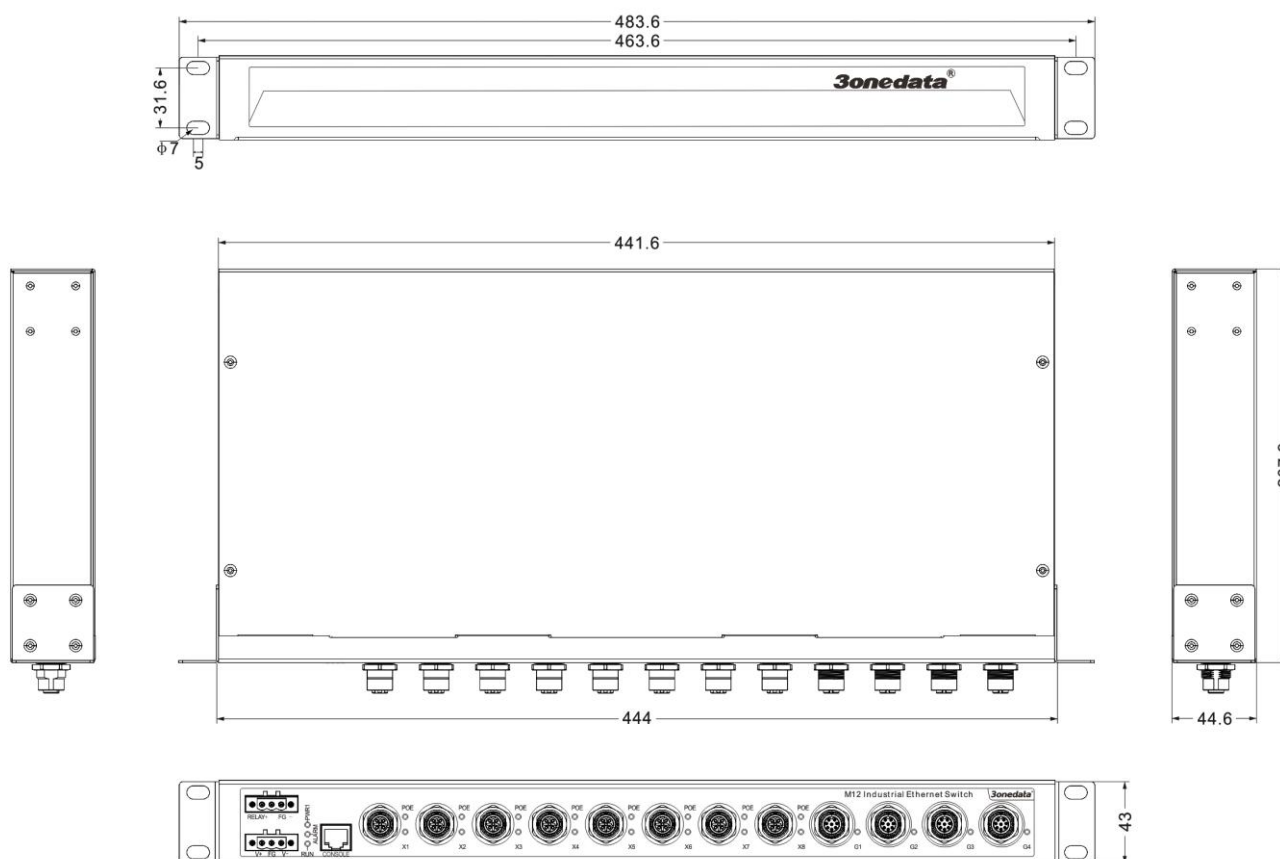
Certification

CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Dimension

Unit (mm)



Ordering Information

TNS5500-4GT-8POE: 8-port 10/100Base-T(X) PoE + 4-port 10/100/1000Base-T(X), M12 Managed Industrial PoE Switch, 19" 1U rackmount

TNS5500-4GT-8T: 8-port 10/100Base-T(X) + 4-port 10/100/1000Base-T(X), M12 Managed Industrial PoE Switch, 19" 1U rackmount