1008TX Industrial Ethernet Switch

N-Tron Networking Series

▶▶▶ Industrial Unmanaged Gigabit Ethernet Switch

The unmanaged 1008TX Gigabit Ethernet switch features plug-and-play operation for up to eight 10/100/1000Base-T(X) connected devices in a compact industrial enclosure.



Red Lion's N-Tron® series 1008TX features eight Gigabit Ethernet ports in a hardened DIN-rail enclosure with redundant power inputs. The 1008TX unmanaged Ethernet switch provides expanded connectivity, plug-and-play installation, and jumbo frame support for high bandwith applications. Ideal for deployment in oil and gas, water/wastewater, utility, transportation, mining and factory floor networking applications; the 1008TX enables customers to address the most demanding industrial communication requirements while providing high throughput and minimum downtime.

APPLICATIONS

- Oil & Gas
- Water/Wastewater
- Utility
- Transportation
- Mining
- Manufacturing

PRODUCT HIGHLIGHTS

- Gigabit Network Performance
- Plug-and-Play Operation
- 10 to 49 VDC Redundant Power Inputs
- -40° to 85°C Wide Operating Temperature

FEATURES & BENEFITS

- Eight 10/100/1000Base-T(X) RJ45 Ports
  - Quickly expand to meet Gigabit network application requirements
- Unmanaged Switch Operation
  - IEEE 802.3, 802.3u and 802.3b compliance
  - Supports full/half duplex modes
  - Up to 16 Gb/s maximum throughput
  - Full wire speed communications
  - Jumbo frame support
  - Store-and-Forward switching technology
- Redundant 10 to 49 VDC Power Inputs
  - Keeps network running in the event of a power supply failure
- Extended Environmental Specifications
  - -40° to 85°C operating temperature range
  - > 2M Hours MTBF
  - UL/cUL: Class I, Div 2 Groups A, B, C and D
  - Designed to comply with IEEE 1613 for electric utility substations and NEMA TS1/TS2 for Traffic control
  - ABS for shipboard applications
- LED Status Lights
  - Display power and connectivity conditions
- Hardened Metal DIN-Rail Enclosure

industrial networking

LISTED 65SN

RoHS compliant

1008TX Specifications

SWITCH PROPERTIES
Operation: Unmanaged
Number of MAC Addresses: 8,000
IEEE Compliant: 802.3, 802.3u, and 802.3ab
Latency (typical): 3.2 µ
Switching Method: Store-and-Forward
Activity Status Indication: LED link
MTBF: >2 million hours
Supports Full/Half duplex operation
Maximum Throughput: Up to 16.0 Gb/s
MDIX Auto Sensing cable
Auto Sensing Speed and Flow Control
Communications: Full Wire Speed

POWER INPUT
Input Voltage: 10-49 VDC
Steady Input Current: 250 mA @ 24 V
Inrush: 20 A / 60 us @ 24 VDC
BTU/HR: 20.5

CONNECTORS
10/100/1000BaseT: Eight (8) RJ-45 TX copper ports

NETWORK MEDIA
10BaseT: ≥ Cat3 cable
100BaseTX: ≥ Cat5 cable
1000BaseT: ≥ Cat5e cable

RECOMMENDED WIRING CLEARANCE
Front: 2" (5.08 cm)
Top: 1" (2.54 cm)

ENVIRONMENTAL
Operating Temperature: -40°C to 85°C
Storage Temperature: -40°C to 85°C
Operating Humidity: 10% to 95% (Non Condensing)
Operating Altitude: 0 to 10,000 ft.
Shock: 200 g @ 10 ms
Vibration/Seismic: 50 g, 10-200 Hz, triaxial

CERTIFICATION & COMPLIANCE
Product Safety: UL/cUL: Class I, Division 2, Groups A, B, C and D; T4 UL 508, ANSI/ISA-12.12.01-2013, C22.2 No.14-M05 and C22.2 No.213-M1987
Immunity: CE, EN 61000-4/2/3/4/5/6, EN 61000-6-2/4
Emissions: EN 55011, ICES-003, FCC/CE (CFR 47, Part 15, Subpart B, Class A)
Rail: EN 50155, EN 50121 and EN 61373
ABS Type Approval for Shipboard Applications
RoHS compliant
Designed to comply with: IEEE 1613 for Electric Utility Substations
NEMA TS1/TS2 for Traffic Control

MECHANICAL
Case Dimensions
Height: 4.62" (11.73 cm)
Width: 1.51" (3.84 cm)
Depth: 4.08" (10.36 cm)
Weight: 0.90 lbs (0.49 kg)
Mount: DIN Rail 35 mm

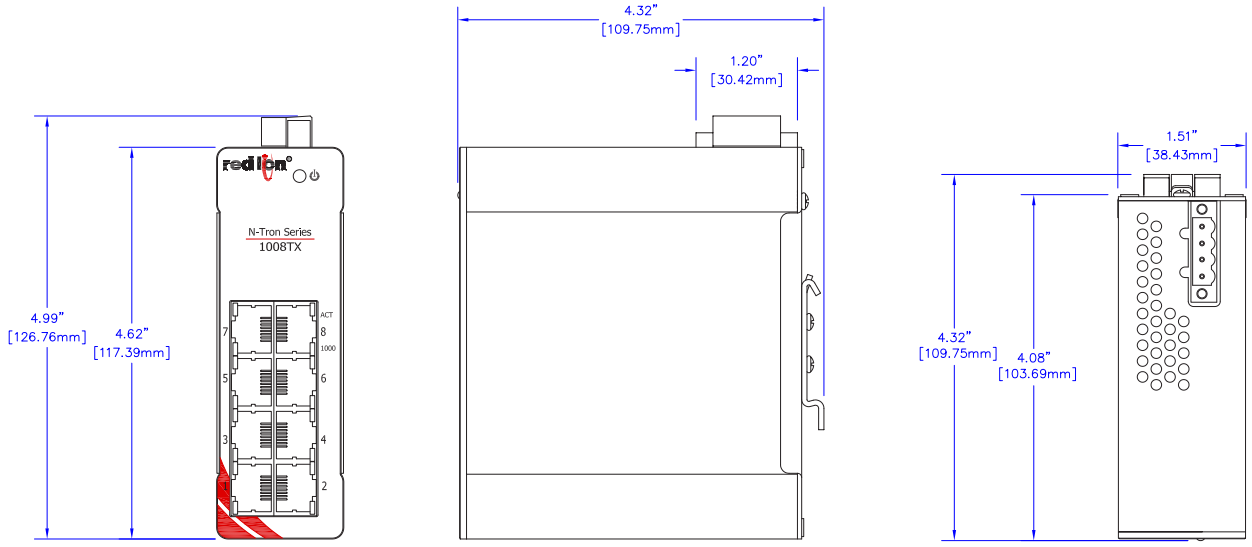
WARRANTY
3 years on design and manufacturing defects

ORDERING GUIDE

PART NUMBER	DESCRIPTION
1008TX	Eight Port 10/100/1000BaseT Unmanaged Industrial Ethernet Switch
NTPS-24-1.3	DIN-Rail Power Supply 24V@1.3 Amp
1000-PM	Panel Mount Kit

All specifications are subject to change. Consult the company website for more information.

DIMENSIONS *in inches (mm)*



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As the global experts in communication, monitoring and control for industrial automation and networking, Red Lion has been delivering innovative solutions for over forty years. Our automation, Ethernet and cellular M2M technology enables companies worldwide to gain real-time data visibility that drives productivity. Product brands include Red Lion, N-Tron and Sixnet. With headquarters in York, Pennsylvania, the company has offices across the Americas, Asia-Pacific and Europe. Red Lion is part of Spectris plc, the productivity-enhancing instrumentation and controls company. For more information, please visit www.redlion.net.

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