

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 bandwidth 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
- > LED Status Lights
 - Display power and connectivity conditions
- > Hardened Metal DIN-Rail Enclosure

industrial
networking



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: \geq Cat3 cable
 100BaseTX: \geq Cat5 cable
 1000BaseT: \geq Cat5e cable

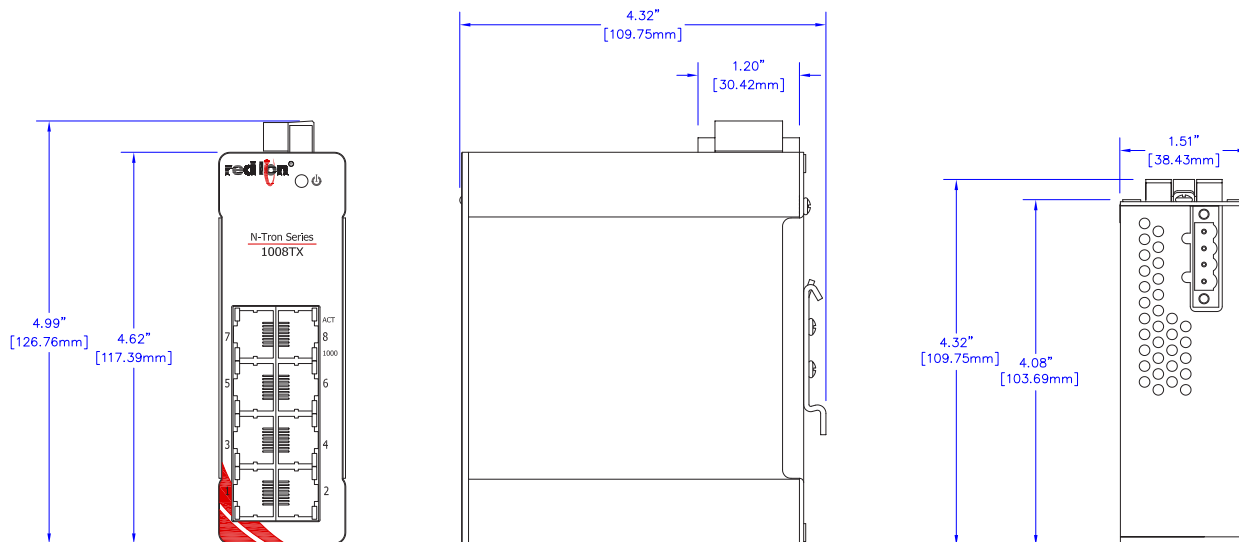
RECOMMENDED WIRING CLEARANCE

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

DIMENSIONS in inches (mm)



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)
 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.



www.redlion.net

Connect. Monitor. Control.

Americas
 sales@redlion.net

Asia-Pacific
 asia@redlion.net

Europe
Middle East
Africa
 europe@redlion.net

+1 (717) 767-6511

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.