

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
 - ABS for shipboard applications
- > 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 μ s @ 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

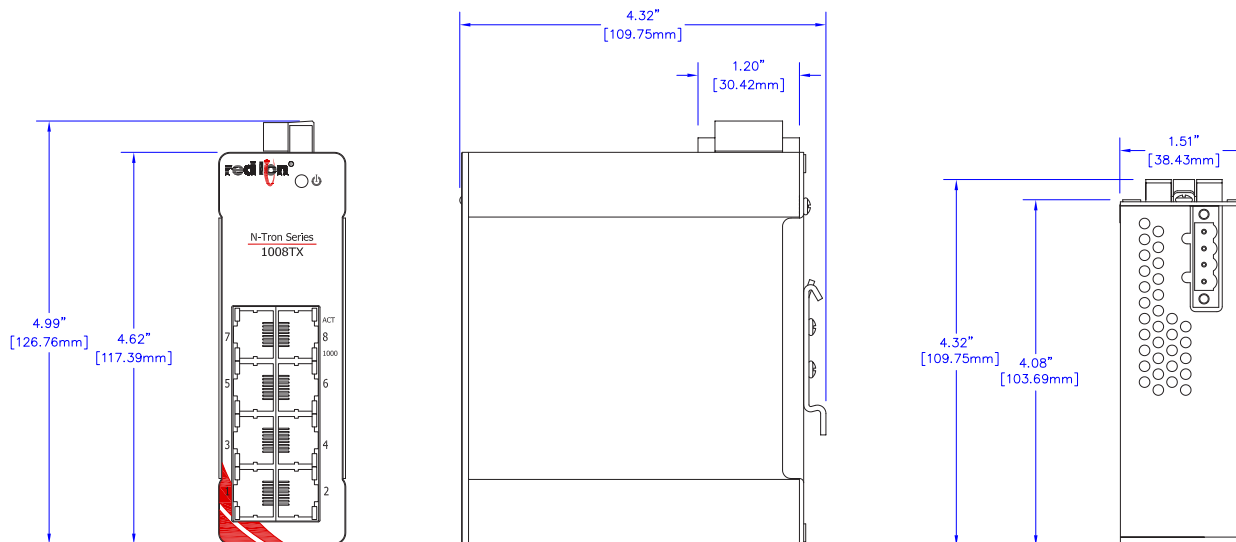
RECOMMENDED WIRING CLEARANCE

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)
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.