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

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
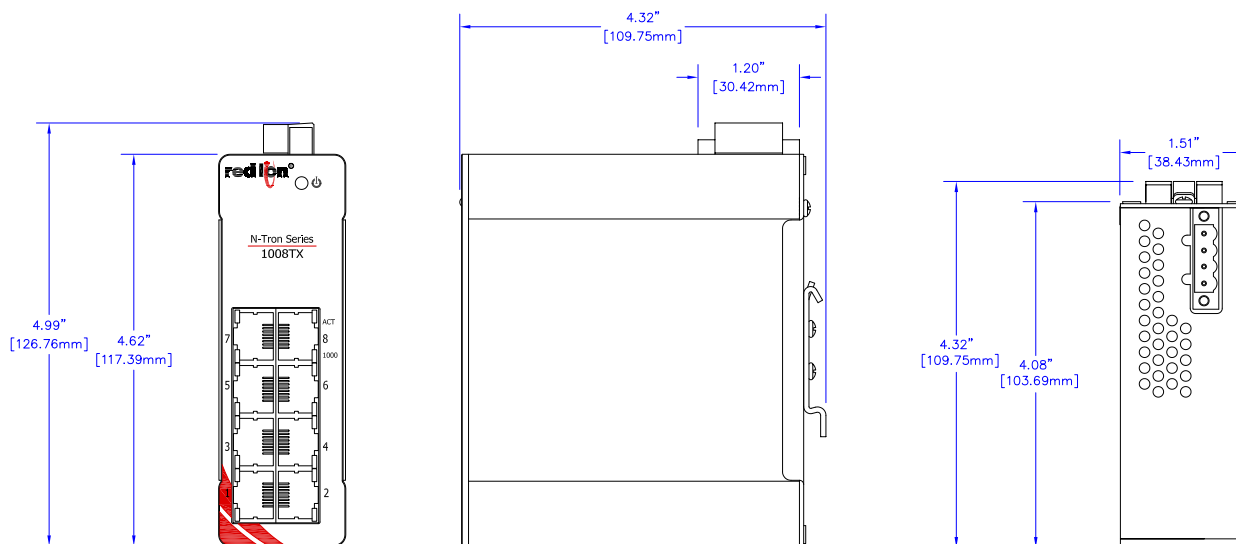1000BaseT: ≥ Cat5e cable

RECOMMENDED WIRING CLEARANCE

Front: 2" (5.08 cm)
Top: 1" (2.54 cm)

ENVIRONMENTAL

Operating Temperature: -40ºC to 85ºC
Storage Temperature: -40ºC to 85ºC
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)*