

1005TX Industrial Ethernet Switch

N-Tron Networking Series

▶▶▶ Unmanaged Gigabit Industrial Ethernet Switch

Red Lion's N-TRON® 1005TX is a low cost unmanaged five port Gigabit Industrial Ethernet Switch.

Housed in a hardened, metal DIN-Rail enclosure, the 1005TX is designed for use in mission critical data acquisition, control, and Ethernet I/O applications where Gigabit capability is required. The 1005TX Gigabit network switch is designed to solve the most demanding industrial communication requirements while providing high throughput and minimum downtime.



APPLICATIONS

- > Factory Automation
- > Utilities
- > SCADA
- > Security Surveillance
- > Transportation
- > Alternative Energy

PRODUCT HIGHLIGHTS

- > Compact, Industrial Design
- > Up to 5 port connections
- > High Environmental Specifications
- > Increased Networking Performance
- > Plug-and-Play Operation

FEATURES & BENEFITS

- > Compact, Space Saving Package
- > Full IEEE 802.3, 802.3u, and 802.3ab Compliance
- > Five 10/100/1000BaseT RJ-45 Ports
- > Unmanaged Operation
- > Extended Environmental Specifications
 - -40°C to 85° Operating Temperature
 - >2M Hours MTBF
- > Supports Full/Half Duplex Operation
- > Up to 10.0 Gb/s Maximum Throughput
- > MDIX Auto Sensing Cable
- > Auto Sensing Speed and Flow Control
- > Full Wire Speed Communications
- > Supports up to 4,000 MAC Addresses
- > Store-and-Forward Technology
- > Jumbo Frame support
- > Redundant Power Inputs (10-30 VDC)
- > LED Link/Activity Status Indication
- > Hardened Metal DIN-Rail Enclosure

industrial
networking



▶▶▶ Unmanaged Gigabit Industrial Ethernet Switch Specifications

SWITCH PROPERTIES

Operation: Unmanaged
 Number of Mac Addresses: 4,000
 Full IEEE Compliant: 802.3, 802.3u, and 802.3ab
 Switching Method: Store and forward
 Activity Status Indication: LED link
 MTBF: >2 million hours
 Supports Full/Half Duplex Operation
 Maximum Throughput: Up to 10.0 Gb/s
 MDIX Auto Sensing Cable
 Auto Sensing Speed and Flow Control
 Communications: Full wire speed

POWER INPUT

Input Voltage: 10-30 VDC
 Steady Input Current: 230mA@24V
 Inrush: 13Amp/61us@24V

CONNECTORS

10/100/1000BaseT: Five (5) 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)

CERTIFICATION

FCC/CE (CFR 47, Part 15, Subpart B, Class A)
 EN 61000-6-2/4, IEC 61000-4-2/3/4/5/6
 EN 55011, ICES-003
 UL Class I, Division 2, Groups A, B, C and D; T4
 UL 508, ANSI/ISA-12.12.01-2013 Class I and II, Division 2 and
 Class III, Division 1 and 2
 cUL: C22.2 No. 14-M05, C22.2 No. 213-M1987 Class I, Division 2
 Hazardous Locations
 Rail: EN 50155, EN 50121 and EN 61373
 ABS Type Approval for Shipboard Applications
 DNV Type Approval Certification
 RoHS Compliant

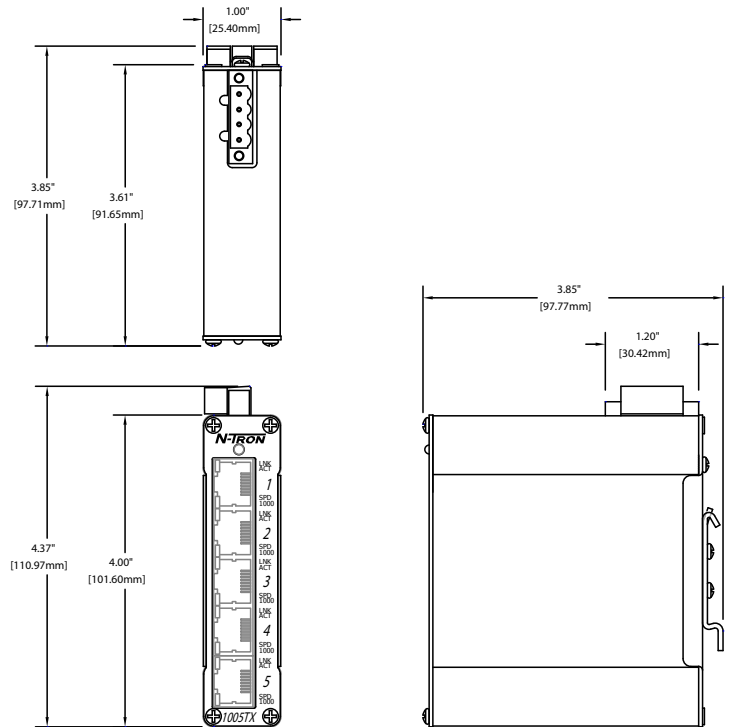
DESIGNED TO MEET

IEEE 1613 for Electric Utility Substations
 NEMA TS1/TS2 for Traffic Control

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.

DIMENSIONS



MECHANICAL

Case Dimensions

Height: 4.0" (10.2 cm)
 Width: 1.0" (2.6 cm)
 Depth: 3.7" (9.4 cm)
 Weight: 0.61 lbs. (0.27 kg)
 Mount: DIN Rail 35mm

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

ORDERING GUIDE

PART NUMBER	DESCRIPTION
1005TX	Five 10/100/1000Base T Ports
1000-PM	Panel Mount Kits
NTPS-24-1.3	DIN-Rail Power Supply 24V@1.3 Amp