1005TX Industrial Ethernet Switch

N-Tron Networking Series

red lion®

►►► 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

  • -40ºC to 85º 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

FC   UL LISTED 65SN   CE   РСТ   RoHS compliant   ABS TYPE APPROVED PRODUCT

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
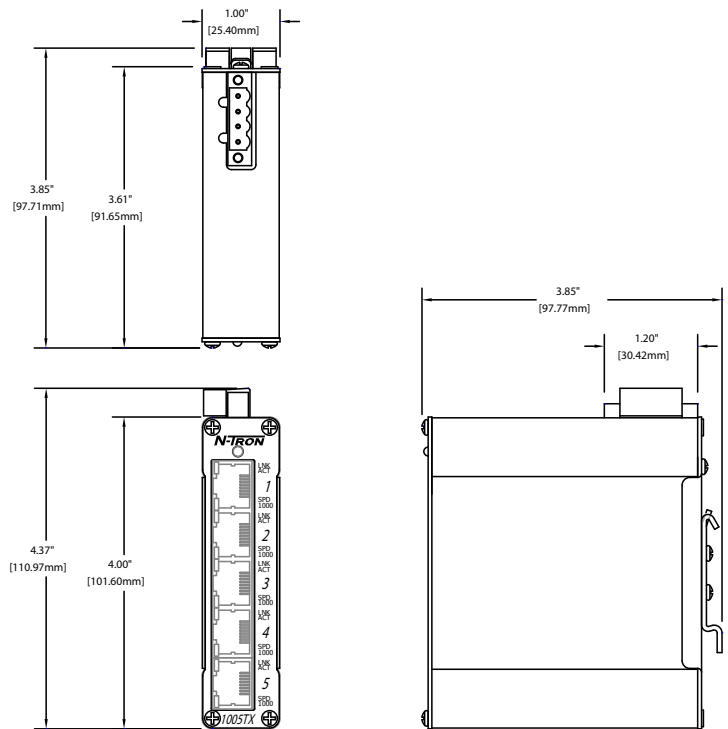DNV Type Approval Certification
RoHS Compliant

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

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 award-winning 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. For more information, please visit www.redlion.net. Red Lion is a Spectris company.