100-POE4 Industrial PoE

N-Tron Networking Series

►►► Industrial Mid-Span PoE Injector

Red Lion's N-Tron 100-POE4 industrial mid-span PoE injector is designed to transmit data over an Ethernet network.

Ideal for powering PoE capable devices running on AC power feed is not possible or cost effective. PoE allows an end user to power a PoE camera, wireless access point, or any other PoE capable device without the need for running separate wires for power. This also allows the ability for a centralized battery backup for all these devices.

APPLICATIONS

> Security Surveillance

> Factory Automation

> SCADA

> Transportation

> Utilities

> Alternative Energy

PRODUCT HIGHLIGHTS

> Compact, Industrial Design

> Up to 8 port connections

> High Environmental Specifications

> Auto-Detection of Connected PoE Devices

> Increased Networking Performance

> Plug-and-Play Operation

FEATURES & BENEFITS

> Compact, Space Saving Package

> Full IEEE 802.3af Compliance

> Supports the following ports:

  • 4-port 10/100BaseTX RJ45 Ports (Data In)

  • 4-port 10/100BaseTX RJ45 PoE Ports (Data & Power Out)

> Unmanaged Operation

> Extended Environmental Specifications

  • -40ºC to 85º Operating Temperature

  • >2M Hours MTBF

> Automatic Detection of Connected PoE Devices

> Up to 0.8 Gb/s Maximum Throughput

> Full Wire Speed Communications

> Supports 15.4 Watts per port (13 Watts at the PD)

> Redundant Power Inputs (46-49 VDC)

> Power Fault Status LED

> LED PoE Status Indication

> Hardened Metal DIN-Rail Enclosure

industrial networking

SWITCH PROPERTIES

Operation: Unmanaged
IEEE Compliant: 802.3af
Up to 0.8 Gb/s Maximum Throughput
Full Wire Speed Communications
Supports 15.4 Watts per port (13 Watts at the PD)
Power Fault Status LED
LED PoE Status Indication
MTBF: >2m hours

POWER INPUT

Input Voltage: 46-49 VDC
Steady Input Current Under Full Load: 1.6 A@48V
Steady Input Current Under No Load: 30mA@48V
BTU/hr: 262.1@48VDC and under full load
Inrush: 27Amp/1.5ms@48V

CONNECTORS

10/100BaseTX: Eight (8) RJ45 copper ports
Four 10/100BaseTX RJ-45 Ports (Data In)
Four 10/100BaseTX RJ-45 PoE Ports (Data & Power Out)

NETWORK MEDIA

10BaseT: >Cat3 cable
100BaseTX: >Cat5 cable

RECOMMENDED WIRING CLEARANCE

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

CERTIFICATION & COMPLIANCE

Product Safety: UL/cUL: Class I, Division 2, Groups A, B, C and D;
    T4 UL 508, ICE and ANSI/ISA-12.12.01-2007
Emissions: EN 55011, ICES-003, FCC/CE (CFR 47, Part 15,
    Subpart B, Class A)
Immunity: EN 61000-6-2/4, IEC 61000-4-2/3/4/5/6
Other: ABS type approval for shipboard applications
    DNV Type Approval Certification
    RoHS Compliant
    IEEE 1613 for Electric Utility Substations
    NEMA TS1/TS2 for Traffic Control
    American Bureau of Shipping (ABS) Type Approval
    EN50155 for Railway applications

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.

MECHANICAL

Case Dimensions
    Height: 3.5" (8.9 cm)
    Width: 1.5" (3.8 cm)
    Depth: 3.6 (9.0 cm)
Weight: 0.70 lbs. (0.32 kg)
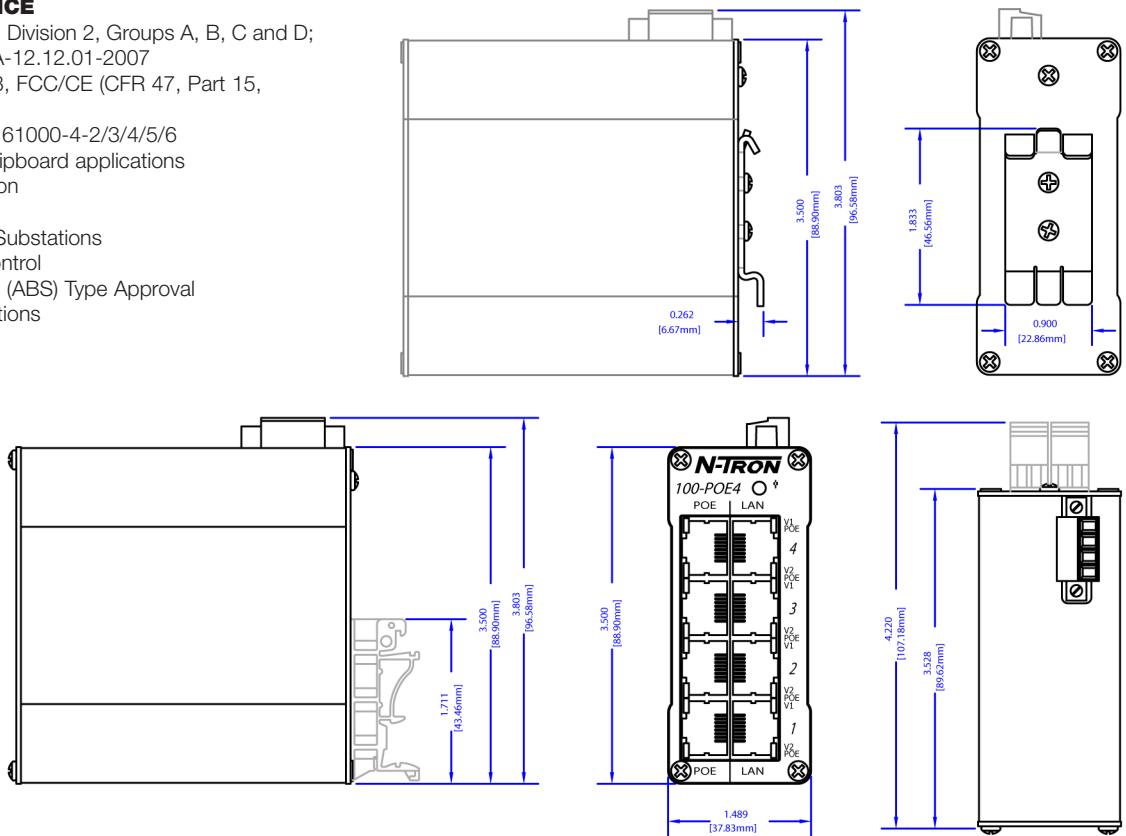Mount: DIN Rail 35mm

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

ORDERING GUIDE

PART NUMBER	DESCRIPTION
100-POE4	Four Pair 10/100BaseTX Ports; 4 RJ45 in and Four RJ45 with POE out
100-MDR-2	Metal Din Rail Option*
NTPS-48-2	DIN-Rail Power Supply 48V@2 Amp

*MDR option must be specified with switch order - not field upgradable

DIMENSIONS

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.