

# Gigabit 1000-POE+ Injector

N-Tron Networking Series



## ▶▶▶ Gigabit Mid-Span Power Over Ethernet Plus (PoE+)

The industrial Gigabit 1000-POE+ injector simplifies network deployments by providing a robust solution for transmitting power and data to industrial assets.

Red Lion's N-Tron series 1000-POE+ simplifies network device deployment by combining Gigabit data communications and power over a single Ethernet network cable. Ideal for deployment in industrial networks including oil and gas, water/wastewater, utility, transportation, mining and factory floor applications, the 1000-POE+ provides auto-sensing plug-and-play performance to PoE+ devices like video cameras and network switches. The 1000-POE+ enables customers to save deployment space and installation time by reducing network complexity.



### APPLICATIONS

- > Oil & Gas
- > Water/Wastewater
- > Utility
- > Transportation
- > Mining
- > Manufacturing

### PRODUCT HIGHLIGHTS

- > IEEE802.3af/at PoE+
- > Gigabit Network Performance
- > 10 to 30 VDC Power Input
- > LED Status Indicators

### FEATURES & BENEFITS

- > IEEE802.3af/at Compliant
  - Provides up to 30 watts of power
- > Gigabit Ethernet Speed
  - Ideal for bandwidth intensive applications
  - Jumbo frame support
- > Redundant 10 to 30 VDC Power Input
  - Keeps PoE devices running in the event of a power supply failure
- > Rugged Compact Design
  - Perfect for space-constrained applications
- > Extended Environmental Specifications
  - -40° to 80°C operating temperature range
- > LED Status Lights
  - Display power and connectivity conditions

industrial  
networking



# ▶▶▶ 1000-POE+ Specifications

## SWITCH PROPERTIES

IEEE 802.3af/at Compliant  
One 10/100/1000Base-TX RJ-45 Port (Data In)  
One 10/100/1000Base-TX RJ-45 POE+ Port (Data & Power Out)  
Unmanaged Operation  
Supports 30 Watts per Port (25.5 Watts at the PD)  
Up to 1.0 Gb/s Maximum Throughput  
Full Wire Speed Communications  
Power Status LED  
POE Status Indication LED  
Hardened Metal DIN-Rail Mountable Enclosure  
MTBF: > 2 million hours

## POWER INPUT

Input Voltage: 10-30 VDC  
Input Current (Max): 1.32 A @ 24 VDC  
Inrush: 22.0 A/2.1ms @ 24 VDC

## POWER OVER ETHERNET

PoE Standard: IEEE 802.3af/at Gigabit/ Mid-span PSE  
PoE Output Power: 54 VDC / 30 Watts Output (25.5W at PD)  
PSE Type: Type 2

## CONNECTORS

10/100/1000Base-T(X): Two (2) RJ-45 TX Copper Ports

## NETWORK MEDIA

10Base-T: >Cat3 Cable  
100Base-TX: >Cat5 Cable  
1000Base-T: >Cat5e Cable

## RECOMMENDED WIRING CLEARANCE

Front: 2"  
Top: 1"

## CERTIFICATION & COMPLIANCE

Product Safety: USA UL 508; ANSI/ISA-12.12.01-2013, Class I and II, Division 2 and Class III, Divisions 1 and 2 Groups A, B, C and D Hazardous Locations; Canada C22.2 No. 14; C22.2 No. 213-M1987 Class I, Division 2 Hazardous Locations; Temperature Code T4A  
EMI/EMC: FCC 47 CFR, Part 15, Subpart B; Industry Canada ICES-003 Issue 5; ANSI C63.4-2009; CE; EMC Directive 2004/108/EC; Immunity EN 61000-6-2:2005; Emissions EN 61000-6-4:2007; EN55011:2009+A1:2010; IEC 61000-4-2/3/4/5/6/8  
Rail: EN 50155, EN 50121 and EN 61373  
Other: ABS Type Approval for Shipboard Applications; GOST-R certified; RoHS compliant

## DESIGNED TO COMPLY WITH

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

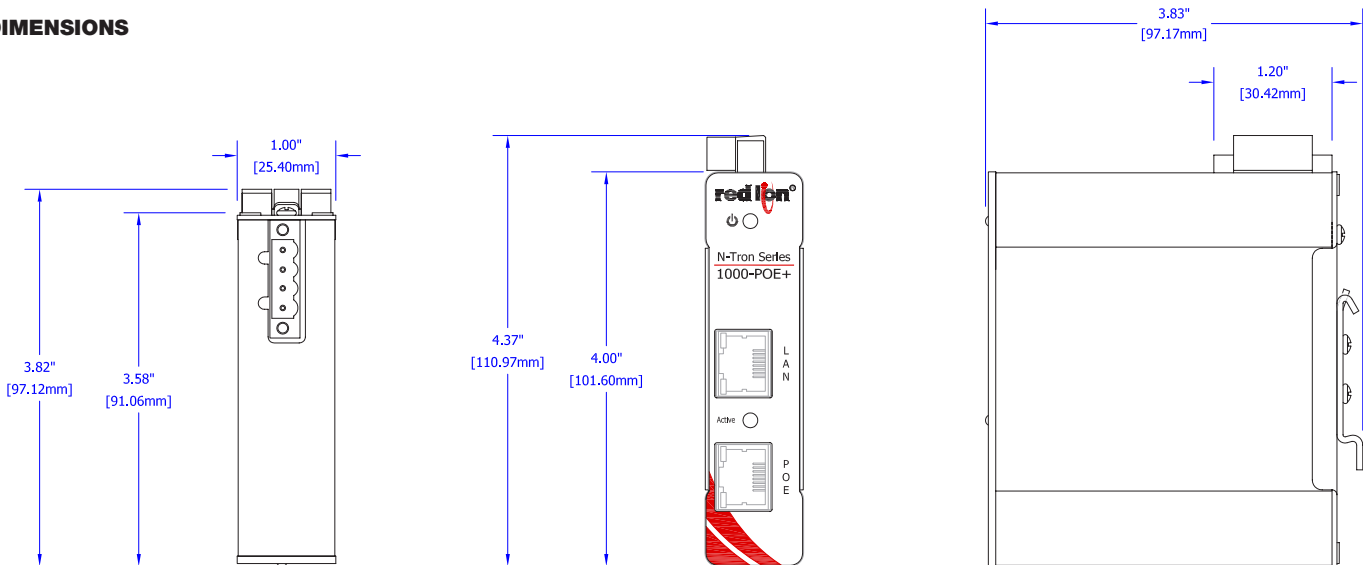
## ENVIRONMENTAL

Operating Temperature: -40° to +80°C  
Operating Altitude: 0 to 10,000 ft.  
Shock: IEC60068-2-27  
Vibration: IEC60068-2-6  
Humidity: 5 to 95% non-condensing

## MECHANICAL

Height: 4.30" (10.92 cm)  
Width: 1.00" (2.54 cm)  
Depth: 3.63" (9.22 cm)  
Including DIN-Rail Mount: 3.83" (9.73 cm)  
Weight: 0.6 lbs. (0.27 kg)  
DIN-Rail: 35 mm

## DIMENSIONS



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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 automation, Ethernet and cellular M2M 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. Red Lion is part of Spectris plc, the productivity-enhancing instrumentation and controls company. For more information, please visit [www.redlion.net](http://www.redlion.net).

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