

# 100-POE-SPL PoE Splitter

N-Tron Networking Series



## ▶▶▶ PoE Splitter

The N-Tron® 100-POE-SPL is a Power over Ethernet splitter designed to accept Ethernet with PoE via Cat5 cable and output power via terminal block and Ethernet via RJ45.

This allows devices which are not PoE capable to be connected and powered by a Cat5 cable. The 100-POE-SPL also allows legacy devices which are not PoE capable to be deployed without the need to provide a dedicated power supply. The 100-POE-SPL is ideal for use with N-Tron's 105TX-POE, 105FX-POE, 100-POE4 or other PoE sourcing equipment. The 100-POE-SPL can be ordered with 12, 24, or 48 volt DC output.



### APPLICATIONS

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

### PRODUCT HIGHLIGHTS

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

### FEATURES & BENEFITS

- > Compact, Space Saving Package
- > IEEE 802.3af Compliant
- > One RJ-45 PoE Port (Data & Power In)
- > One RJ-45 Port (Data Out)
- > Unmanaged Operation
- > Extended Environmental Specifications
  - -40°C to 85°C Operating Temperature
- > Supports up to 15.4 Watts (Cable and PSE Dependent)
- > Full Wire Speed Communications
- > Built in Transient Voltage Suppression
- > Power Status LED
- > Hardened Metal DIN-Rail Enclosure

industrial  
networking



# Managed Gigabit Ethernet Industrial Switch Specifications

## SWITCH PROPERTIES

- Compact, Space Saving Package
- IEEE 802.3af Compliant
- One RJ-45 PoE Port (Data & Power In)
- One RJ-45 Port (Data Out)
- Unmanaged Operation
- Extended Environmental Specifications
- 40°C to 85°C Operating Temperature
- Supports up to 15.4 Watts (Cable and PSE Dependent)
- Full Wire Speed Communications
- Built in Transient Voltage Suppression
- Power Status LED
- Hardened Metal DIN-Rail Enclosure

## POWER INPUT

- Input Voltage: 46-54 VDC
- Steady Output Current Under Full Load: 320 mA@48VDC
- Steady Input Current Under No Load: 10 mA@48V

## CONNECTORS

- 10/100BaseTX: Eight (8) RJ45 copper ports

## 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

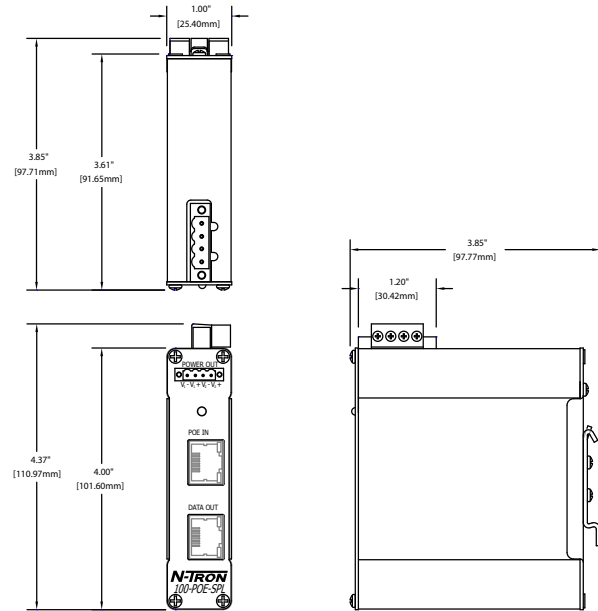
## ENVIRONMENTAL

- Operating Temperature: -40°C to 85°C

## MECHANICAL

- Case Dimensions
  - Height: 4" (10.2 cm)
  - Width: 1.0" (2.6 cm)
  - Depth: 3.7 (9.3 cm)
  - Depth (incl. DIN rail mount): 3.9" (9.8 cm)
- Weight (max): 0.60 lbs. (0.27 kg)
- Mount: DIN Rail 35mm

## DIMENSIONS



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

## ORDERING GUIDE

PART NUMBER	DESCRIPTION
100-POE-SPL-12	Ethernet PoE splitter, 12VDC output
100-POE-SPL-24	Ethernet PoE splitter, 24VDC output
100-POE-SPL-48	Ethernet PoE splitter, 48VDC output
100-POE-SPL-XX	Ethernet PoE splitter, Custom VDC output*
*Call for pricing	



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Connect. Monitor. Control.

**Americas**  
sales@redlion.net

**Asia-Pacific**  
asia@redlion.net

**Europe  
Middle East  
Africa**  
europe@redlion.net

+1 (717) 767-6511

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