N-TRON

THE INDUSTRIAL NETWORK COMPANY

100-POE-SPL

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 RJ-45. 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.

Product Features

- 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
  - -40ºC to 85ºC 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

Case Dimensions

Height:	4.0"	(10.2cm)
Width:	1.0"	(2.6cm)
Depth:	3.7"	(9.3cm)
Depth (incl. DIN rail mount):	3.9"	(9.8cm)
Weight (max):	0.6 lbs	(0.27kg)
DIN-Rail Mount:	35mm	

Electrical Specifications

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

Network Media Specifications

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

Connectors Specifications

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

Recommended Wiring Clearance

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

Regulatory Approvals

FCC: CFR 47, Part 15, Subpart B - Class A; ANSI C63.4; ICES-003; CISPR 16-1
CE: EN61000-6-2,4, IEC 61000-4-2,3,4,6, EN55022, EN50155 for Railway applications

UL/cUL: 508 and ISA 12.12.01-2007; Class I, Div II, Groups A,B,C,D,T4A

GOST-R Certified, RoHS Compliant

Designed to comply with:

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

www.N-Tron.com

Ordering Information

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*
1000-PM	Panel Mount Kit

*Call for pricing

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