Gigabit 1000-POE+ Injector
N-Tron Networking Series

red lion®

►►► ## 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
- Supports bandwidth intensive applications

> 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

CE   FC   c(UL)us LISTED 65SN   ABS TYPE APPROVED PRODUCT   PC-T   RoHS compliant

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

CONNETCTORS

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