INJ-24 Series

Gigabit IEEE 802.3af/at PoE+ injectors



- PoE+ injector for 10/100/1000M networks; inject power and data to PD (Power Device) equipment
- IEEE 802.3af/at compliant; supports a full 30 watt output
- 24/48 VDC wide range power input
- -40 to 75°C operating temperature range (T model)

Specifications

Technology

Standards:
IEEE 802.3af/at for Power-over-Ethernet
IEEE 802.3 for 10BaseT
IEEE 802.3u for 100BaseT(X)
IEEE 802.3ab for 1000BaseT(X)

Interface

RJ45 Ports: 10/100/1000BaseT(X) for PoE OUT and DATA IN
PoE Pinout: V+, V+, V-, V- for pin 4, 5, 7, 8 (Midspan, MDI Alternative B)
LED Indicators: Power, PoE

Power Requirements

Input Voltage: 24/48 (20 to 60 V) VDC, single input
Input Current: Max. 1.3 A @ 24 VDC
Overload Current Protection: Present
Connection: 1 removable 3-contact terminal block
Reverse Polarity Protection: Present

Physical Characteristics

Housing: Plastic, IP30 protection
Dimensions: 24.9 × 100 × 86.2 mm (0.98 x 3.93 x 3.39 in)
Weight: 115 g
Installation: DIN-rail mounting

Environmental Limits

Operating Temperature:
Standard Models: 0 to 60°C (32 to 140°F)
Wide Temp. Models: -40 to 75°C (-40 to 167°F)
Storage Temperature: -40 to 85°C (-40 to 185°F)
Ambient Relative Humidity: 5 to 95% (non-condensing)

Standards and Certifications

Safety: UL 508
EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A
EMS:
EN 61000-4-2 (ESD) Level 3, EN 61000-4-3 (RS) Level 3,
EN 61000-4-4 (EFT) Level 3, EN 61000-4-5 (Surge) Level 3,
EN 61000-4-6 (CS) Level 3
Shock: IEC 60068-2-27
Freefall: IEC 60068-2-32
Vibration: IEC 60068-2-6
Note: Please check Moxa's website for the most up-to-date certification status.

MTBF (mean time between failures)

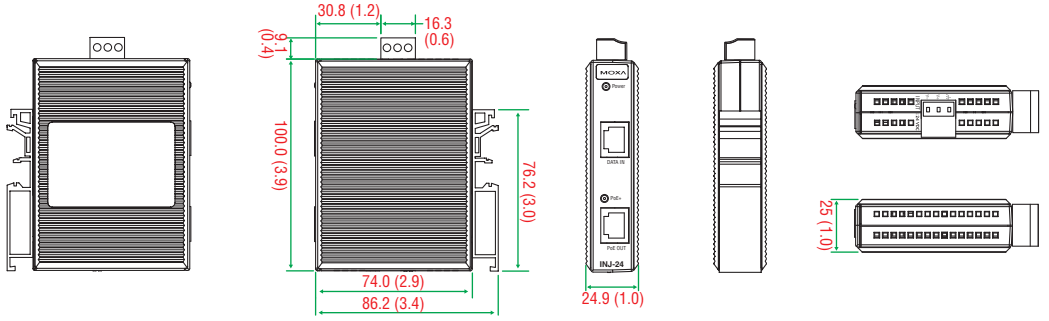
Time: 2,525,278 hrs
Database: Telcordia (Bellcore), GB

Warranty

Warranty Period: 5 years
Details: See www.moxa.com/warranty

Dimensions

Unit: mm (inch)



Side View | Front View | Rear View | Top and Bottom View

Ordering Information

Available Models

INJ-24: PoE+ Injector, maximum output of 30 W at 24/48 VDC, 0 to 60°C operating temperature
INJ-24-T: PoE+ Injector, maximum output of 30 W at 24/48 VDC, -40 to 75°C operating temperature

Package Checklist

- INJ-24 PoE+ injector
- Hardware installation guide (printed)
- Warranty card

© Moxa Inc. All Rights Reserved. Updated Mar. 28, 2014. Specifications subject to change without notice. Please visit our website for the most up-to-date product information.