# **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:**  $24.9 \times 100 \times 86.2 \text{ mm}$  (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

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

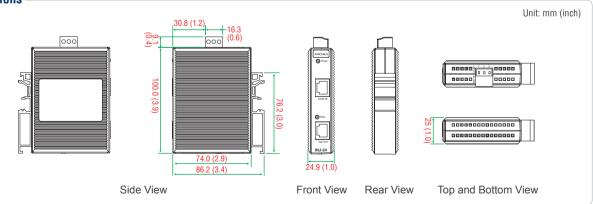
Database: Telcordia (Bellcore), GB

Warranty

Warranty Period: 5 years

Details: See www.moxa.com/warranty

#### **Dimensions**



## **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