# **INJ-24A** Series

# **Gigabit High Power PoE+ Injectors**



- > High power mode provides up to 60 W
- > DIP switch configurator and LED indicator for PoE management
- > 3KV surge resistance for harsh environments
- > Mode A and Mode B selectable for flexible installation
- > Built-in 24/48 VDC booster for redundant dual power inputs
- > -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:

Default: V+, V+, V-, V- for pin 4, 5, 7, 8 (Midspan, MDI, Mode B) Custom DIP switch setting: V+, V+, V-, V- for pin 1, 2, 3, 6 (Endspan, MDI, Mode A)

LED Indicators: P1, P2, 802.3af/at, 4-pair

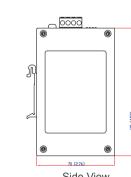
#### **Power Requirements**

Input Voltage: 24/48 (20 to 60 V) VDC, redundant inputs Input Current: Max. 3.72A @ 24 VDC (high power 4-pair mode) **Overload Current Protection:** Present Connection: 1 removable 4-contact terminal block Reverse Polarity Protection: Present

#### **Physical Characteristics**

Housing: Plastic, IP30 protection Dimensions: 115 × 30.3 × 78.8 mm (H x W x D) Weight: 245 g

#### Dimensions



Installation: DIN-Rail mounting, Wall mounting optional **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 (pending) EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A EMS:

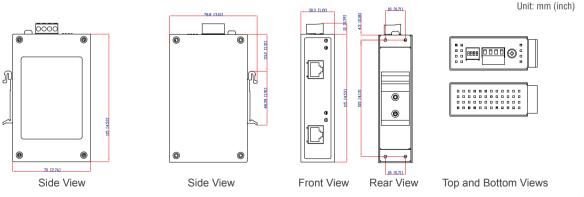
EN 61000-4-2 (ESD) Level 3, EN 61000-4-3 (RS) Level 3, EN 61000-4-4 (EFT) Level 3, EN 61000-4-5 (Surge) Level 3, EN 61000-4-6 (CS) Level 3, EN 61000-4-8 Shock: IEC 60068-2-27 Freefall: IEC 60068-2-32 Vibration: IEC 60068-2-6 Note: Please check Moxa's website for the most up-to-date certification status.

**MTBF** (mean time between failures) Time: N/A

Database: Telcordia (Bellcore), GB

#### Warrantv

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



# **Ordering Information**

#### **Available Models**

INJ-24A: Gigabit high-power PoE+ injector, max. output of 60 W at 24/48 VDC, 0 to 60°C operating temperature

INJ-24A-T: Gigabit high power PoE+ injector, max. output of 60 W at 24/48 VDC, -40 to 75°C operating temperature

#### **Package Checklist**

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