

INJ90BT-24

Hardened Gigabit 90W PoE Injector



Overview

EtherWAN's INJ90BT-24 is a compact hardened DIN-rail mounted PoE injector. Using the latest IEEE 802.3bt PoE technology providing up to 90W power output, the INJ90BT-24 provides the solution required to integrate remote PoE devices such as IP cameras, LED lights, wireless access point, and other network devices into non-PoE networks for reliable operation even in harsh environments.

EtherWAN — "When Connectivity is Crucial."

Highlights

+ High-Power PoE (Power over Ethernet)

- High power output using the latest IEEE 802.3bt technology
- Up to 90W output for various security, LED lighting, and other applications
- Backward compatible with 802.3af and 802.3at devices

+ Hardened-Grade for Non-Ventilated & Harsh Environments

- Wide operating temperature range -40 to 75°C (-40 to 167°F)
- Fanless operation
- High impact, thermal shock, and electrical noise resistance

+ Support

- Complimentary Technical Support
- In-person training and free online training courses available
- Limited Lifetime Warranty

Specifications

+ Interface

Ethernet

1 x 10/100/1000BASE-T(X), connection to network
1 x 10/100/1000BASE-T(X), PoE connection to device

LED Indicators

Power detected: Power 1, Power 2
PoE: On (Active), Off (Idle)

+ Technology

Standards

IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX/100BASE-FX
IEEE 802.3ab 1000BASE-T
IEEE 802.3af PoE
IEEE 802.3at PoE+
IEEE 802.3bt 4PPoE
Compatible with 95W PoH (Power over HDBaseT) standard

+ Power

Input

24-56VDC Redundant (Terminal block)

Power Consumption

1W max@48VDC, without PoE

PoE Power Output

90W@56VDC Input
60W@24VDC Input

Protection

Reverse Polarity Protection
Current Overload Protection

+ Physical

Casing Material

Aluminum

IP Rating

IP30

Dimensions

32 x 81.5 x 103.5mm (W x D x H)
1.26" x 3.21" x 4.07"

Weight

1.5lbs (0.68kg)

Installation Type

DIN-rail or wall mounting

+ Environmental

Operating Temp.

-40 to 167°F (-40 to 75°C)

Storage Temp.

-49 to 185°F (-40 to 85°C)

Relative Humidity

5% to 95% (non-condensing)

MTBF

>500,000 hours@50°C

+ Regulatory

ISO

Manufactured in ISO-9001 facility

EMI

FCC Part 15B Class A

EN 55032

EN 55024

EMS

EN 61000-4-2 (ESD)

EN 61000-4-4 (Burst)

EN 61000-4-5 (Surge)

Safety

UL 60950-1

Vibration

IEC 60068-2-6

Shock

IEC 60068-2-27

Free Fall

EN 60068-2-32

+ Warranty

Length

Limited Lifetime

Details

www.etherwan.com/support/warranty-policy

+ What's Included

Device

Injector

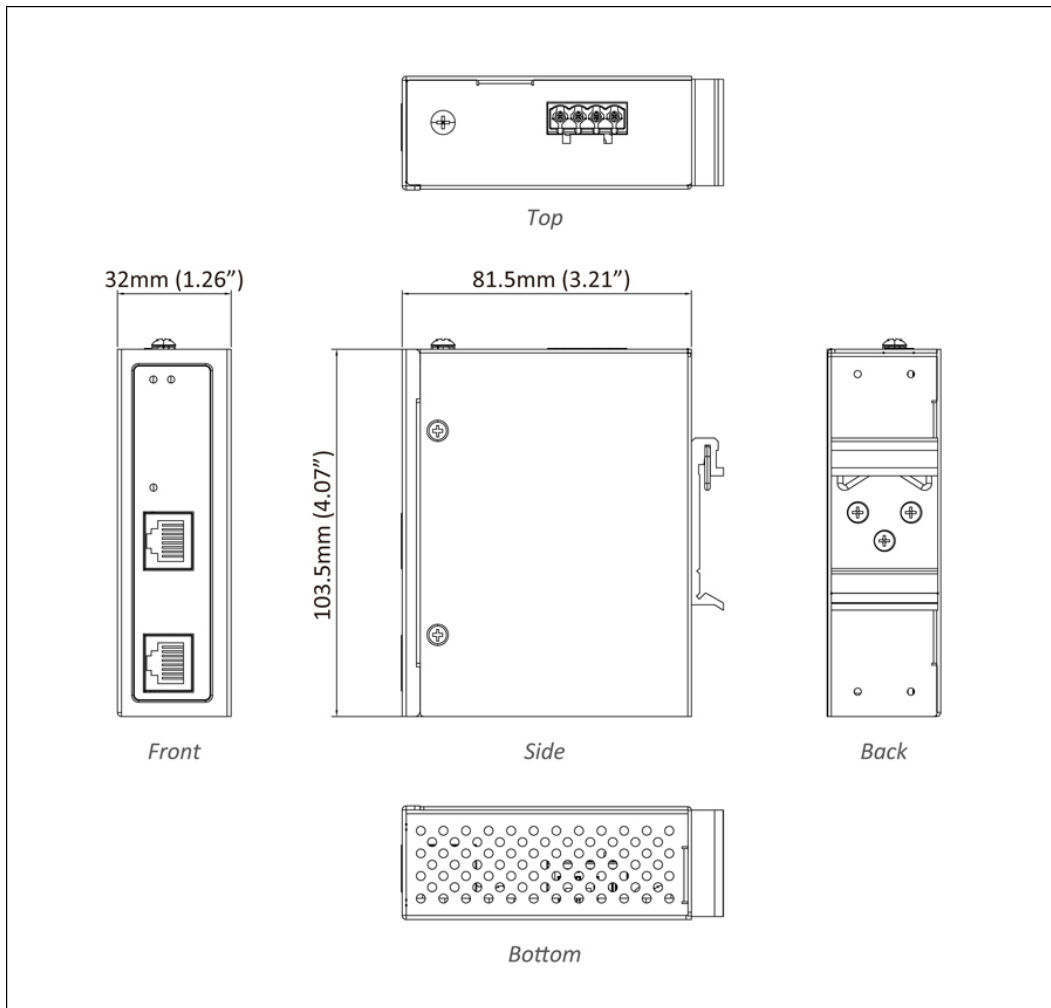
Installation

Mounting brackets, screws, 4-pin terminal block

Documentation

Quick install guide

Dimensions



Ordering Info

+ Model

INJ90BT-24 10/100/1000BASE-T PoE Injector, 90W 802.3bt

+ Accessories

DIN-Rail Power Supplies www.etherwan.com/products/din-rail-power-supply



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