

# 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](http://www.etherwan.com/support/warranty-policy)

## + What's Included

### Device

Injector

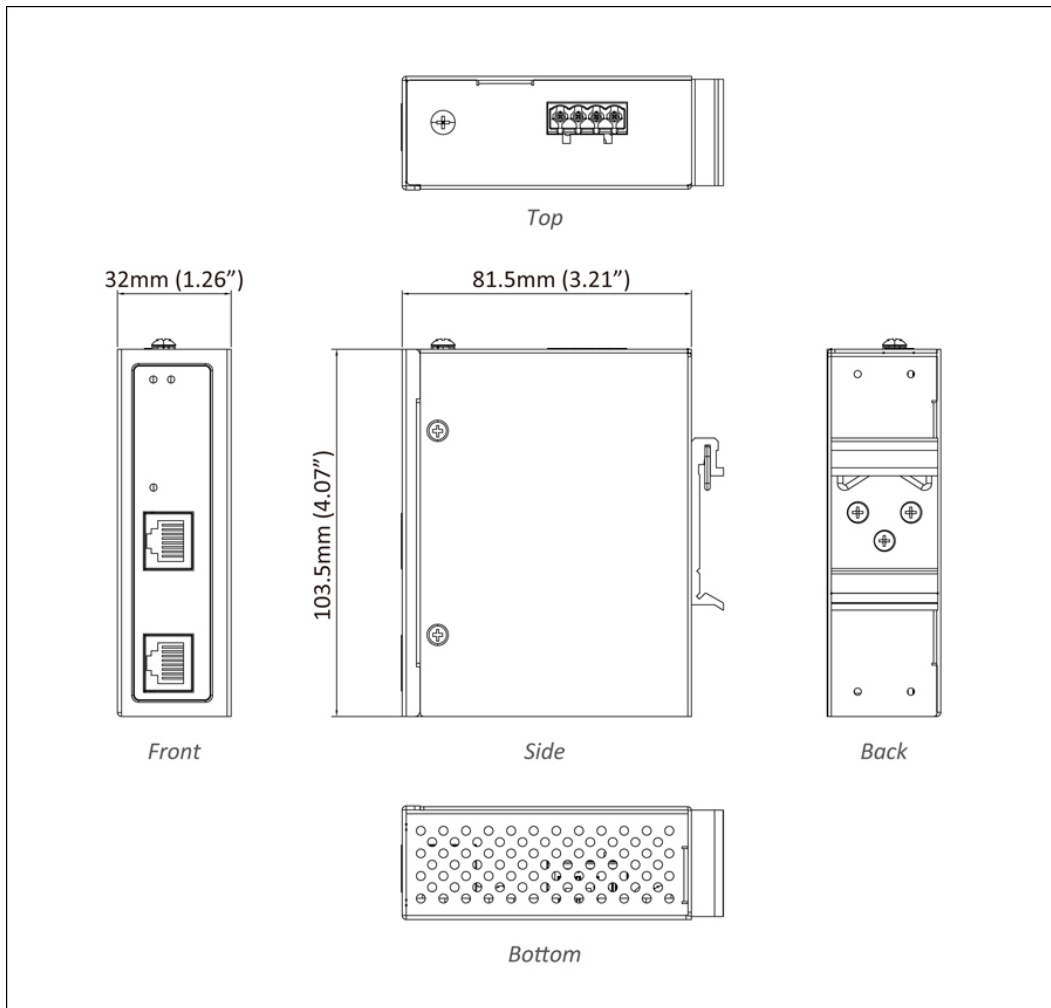
### Installation

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](http://www.etherwan.com/products/din-rail-power-supply)

