

# INJ90BT-24

Hardened Gigabit PoE Injector



## 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

## 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."

## 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

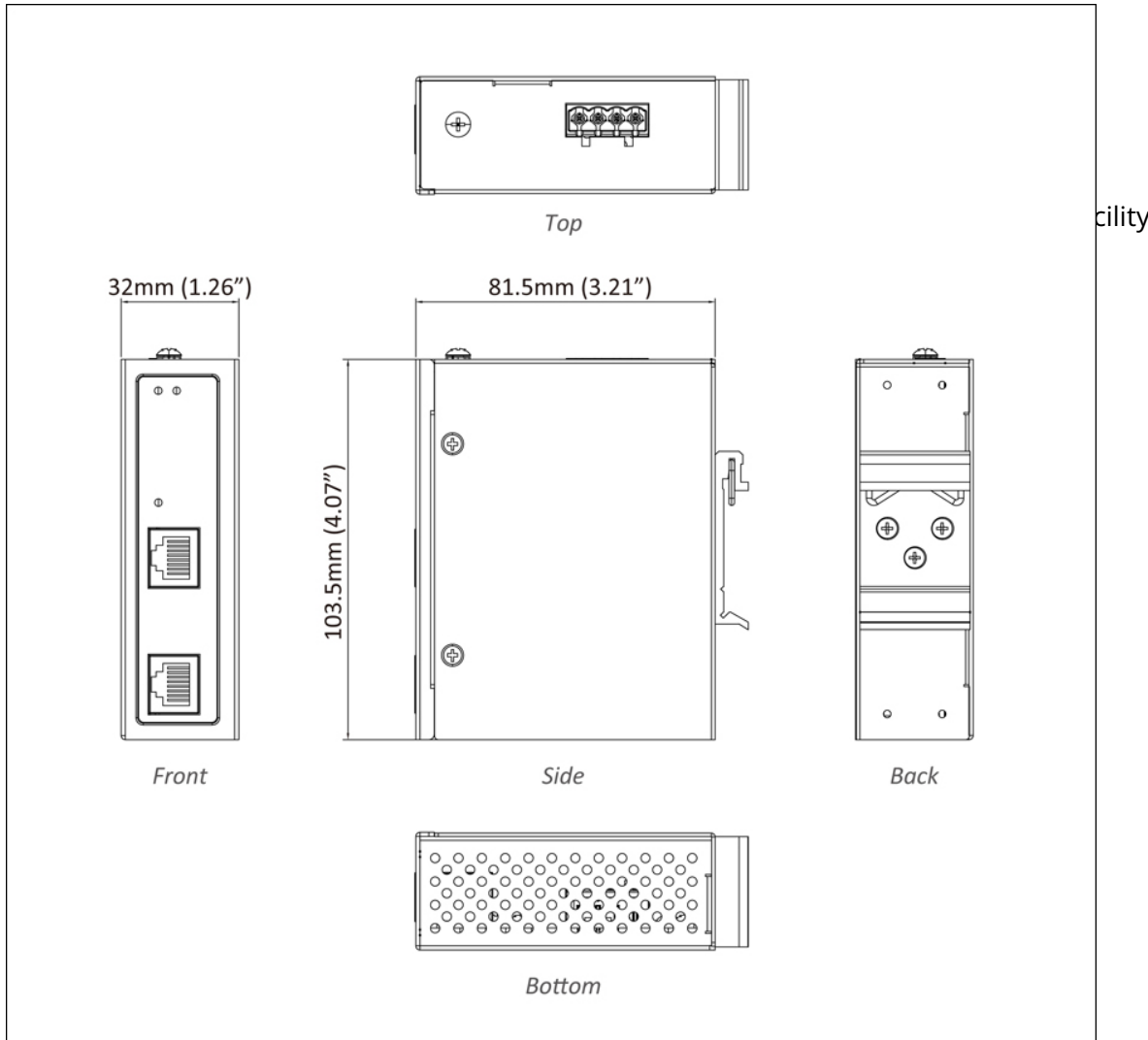
## + Environmental

**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)

## Dimensions



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

## 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)

## + What's Included

**Device**  
Injector

**Installation**  
Mounting brackets, screws, 4-pin terminal block

**Documentation**  
Quick install guide



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EtherWAN is constantly developing and improving products. Specifications are subject to change without notice and without incurring any obligation.