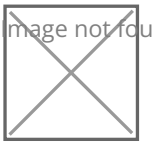
INJ90BT-24

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

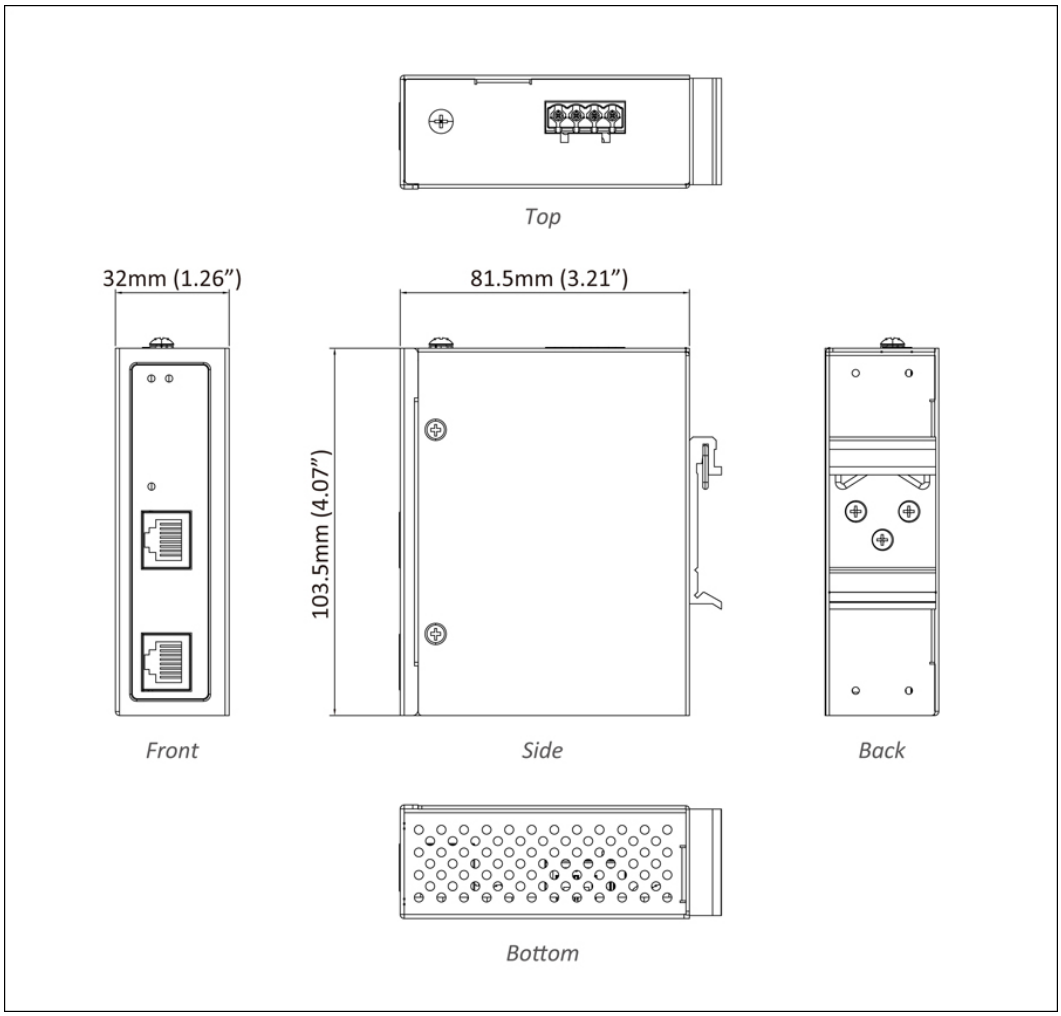
What's Included

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