EXT1100

Hardened Gigabit PoE Extender



Overview

EtherWAN's EXT1100 is a compact hardened DIN-rail mounted PoE Extender. Requiring no external power, the EXT1100 provides a simple and cost-effective method of extending a PoE connection beyond the standard 100 meter limit for copper Ethernet cabling.

Highlights

PoE (Power over Ethernet)

Provides PoE extension functionality for ethernet applications that require distances longer than 100m (328ft)
Up to 60W output for various security applications such as PTZ cameras
Can be daisy-chained up to 4 units

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
Free firmware upgrades and notifications
Limited lifetime warranty

Specifications

Interface

LED Indicators

Technology

Standards

IEEE 802.3 10BASE-T

IEEE 802.3u 100BASE-TX

IEEE 802.3ab 1000BASE-T

IEEE 802.3x Flow Control and Back Pressure

IEEE 802.3af PoE

IEEE 802.3at PoE+

IEEE 802.3ab 1000BASE-T

Forward Filtering Rate

14,800pps for 10Mbps

148,810pps for 100Mbps

1,488,100pps for 1000Mbps

Processing Type

Store-and-forward

Auto-negotiation

Half-duplex back-pressure and full-duplex flow control

Auto MDI/MDIX

Switch Properties and Performance

Switching Fabric

4Gbps

Jumbo Frame Size

9KB

MAC Table Size

2K

Packet Buffer Memory

1Mb

Power

PoE Power Input

15W/30W/60W/95W

Power Consumption

2.7W without PoE load

PoE Power Output

15W/30W/60W

Physical

Casing

Aluminum case

IP Rating

IP30

Dimensions

1.26" x 3.21" x 4.07" (W x D x H)

32 x 81.5 x 103.5MM

Weight

0.3lbs (.14kg)

Installation

DIN-rail or wall mout

Environment

Operating Temperature

-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)

MTBF

>500,000 hours @ 50°C

Regulatory Approvals

ISO

Manufactured in an ISO 9001 facility

Safety

UL 60950-1

IEC 60950-1

EMI

FCC Part 15B Class A

EN 55032

EN 55024

EMI

EN61000-4-2 (ESD Standards)

EN61000-4-2 (Burst Standards)

EN61000-4-2 (Surge Standards)

Environmental Test Compliance

IEC 60068-2-6 Fc (Vibration)

IEC 60068-2-27 Ea (Shock)

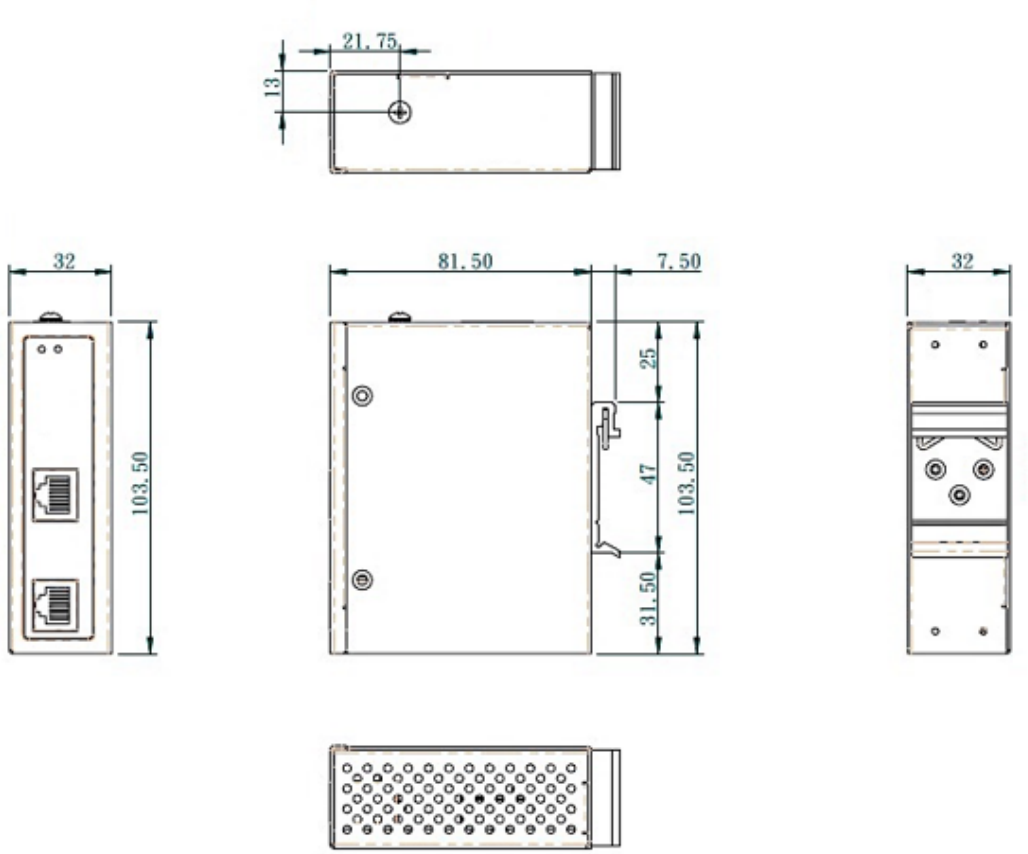
IEC 60068-2-32 Ed (Free fall w/package)

MPN

EXT1100

1694637

Dimensions



Ordering Info

Model

EXT1100	Hardened Gigabit PoE Extender

© EtherWAN Systems, Inc. All rights reserved. 20261114

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