

# EXT1100

Hardened Gigabit PoE Extender



## 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

## 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.

EtherWAN — "When Connectivity is Crucial."

## 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

### + 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)

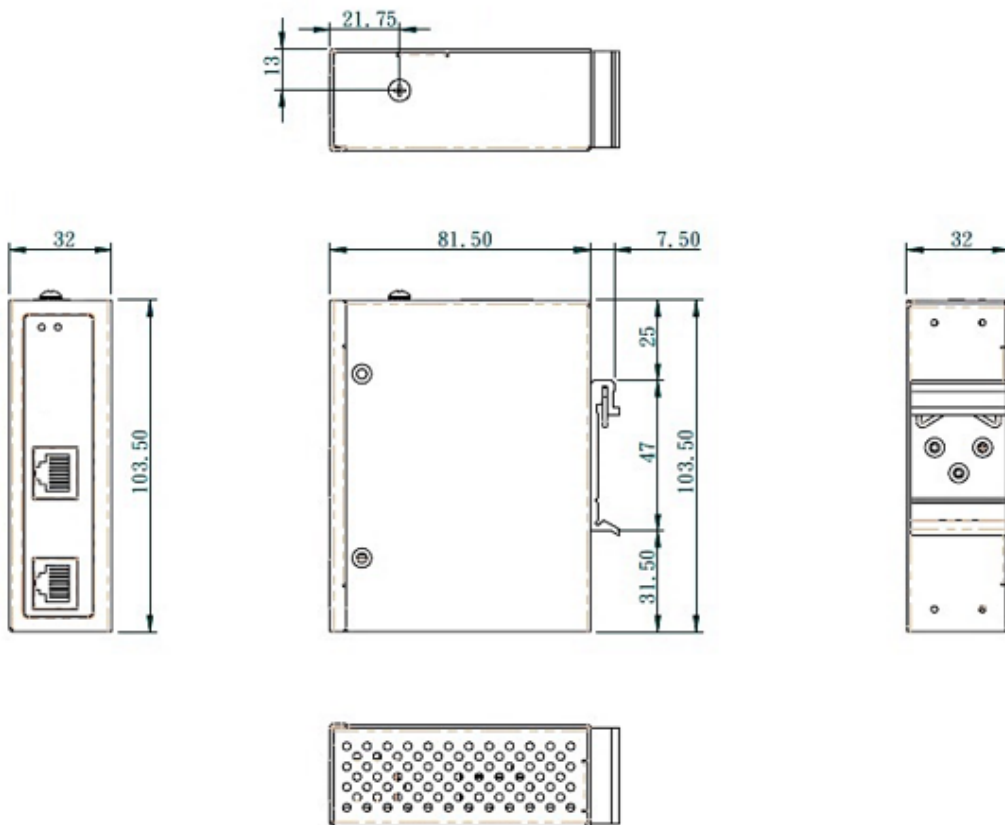
### Environmental Test Compliance

IEC 60068-2-6 Fc (Vibration)

IEC 60068-2-27 Ea (Shock)

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

## Dimensions



## Ordering Info

### + Model

**EXT1100** Hardened Gigabit PoE Extender

