

# 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.

EtherWAN — "When Connectivity is Crucial."

## 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 mount

## + 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

EXT11000 Dimensions  
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## Ordering Info

### + Model

EXT1100	Hardened Gigabit PoE Extender
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