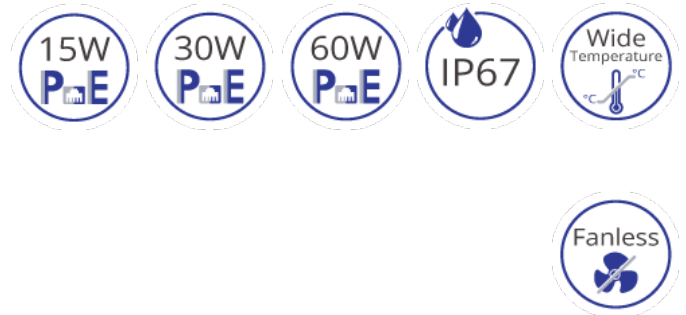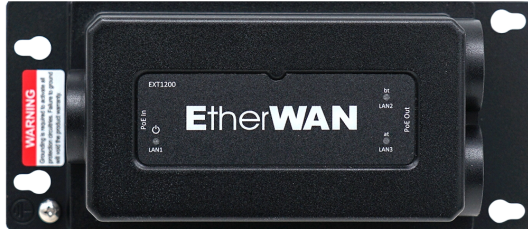# EXT1200
Hardened Gigabit IP67 PoE Extender

Overview

EtherWAN's EXT1200 is a compact hardened IP67-rated PoE Extender. Requiring no external DC power, the EXT1200 provides a simple and cost-effective method of extending a PoE connection beyond the standard 100 meter limit for copper Ethernet cabling while maintaining the data speeds.

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)
IP67 water resistance and 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
3x10/100/1000BASE-T(X) RJ45 (1 PD, 2 PSE)

LED Indicators
PoE In: PoE (Amber), TX Port (Green), TX Transmission (Green flash)
PoE Out: PoE (Amber), TX Port (Green), TX Transmission (Green flash)

+ Technology

Standards
IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX
IEEE 802.3ab 1000BASE-T
IEEE 802.3x full duplex and flow control
IEEE 802.3af PoE
IEEE 802.3at PoE+
IEEE 802.3bt PoE++

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
6Gbps

Jumbo Frame Size
9KB

MAC Table Size
2K

Packet Buffer Memory
1Mb

+ Power

PoE Power Input
PoE Power Input 90W Max

PoE Power Output
Total PoE Output 60W Max

+ 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

>522,000 hours @ 50°C

+ Regulatory

ISO
Manufactured in an ISO 9001 facility

Safety
UL 62368-1

EMI
FCC Part 15B Class A

EMS
EN61000-4-2 (ESD Standards)
EN61000-4-4 (Burst Standards)
EN61000-4-5 (Surge Standards)

Environmental Test Compliance
EN 60068-2-6 (Vibration)
>>EN 60068-2-27 (Shock)
EN 60068-2-32 (Free fall w/package)

+ Physical

Casing Material
Aluminum

IP Rating
IP67

Dimensions
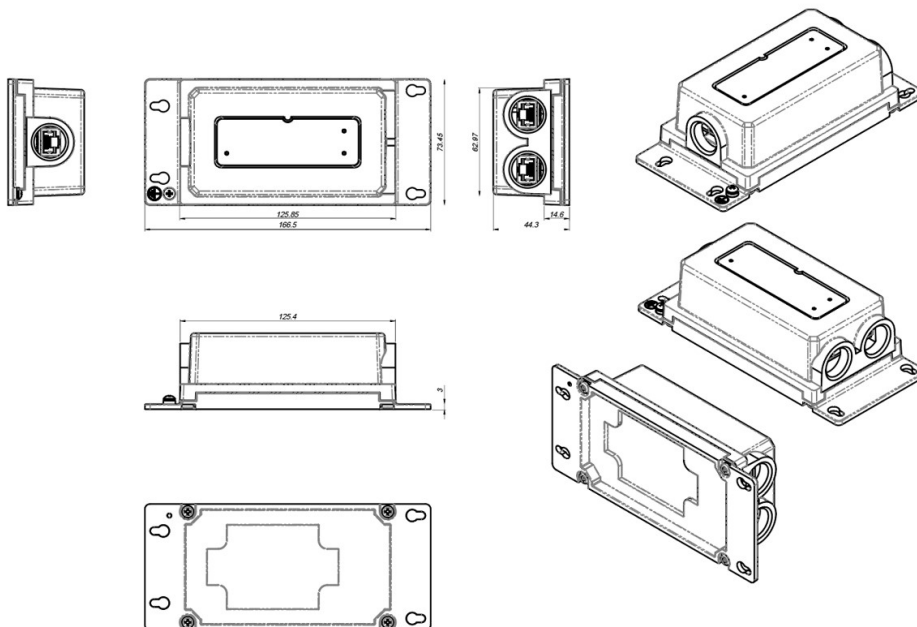6.56" x 2.89" x 1.74" (W x D x H)
166.5 x 73.45 x 44.3mm

Weight
1.0Ibs (0.45kg)

Installation
Wall/Panel mounting

Dimensions

Ordering Info

+ Model

EXT1200	Hardened Gigabit IP67 PoE Extender