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.

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

1.0lbs (0.45kg)

Installation

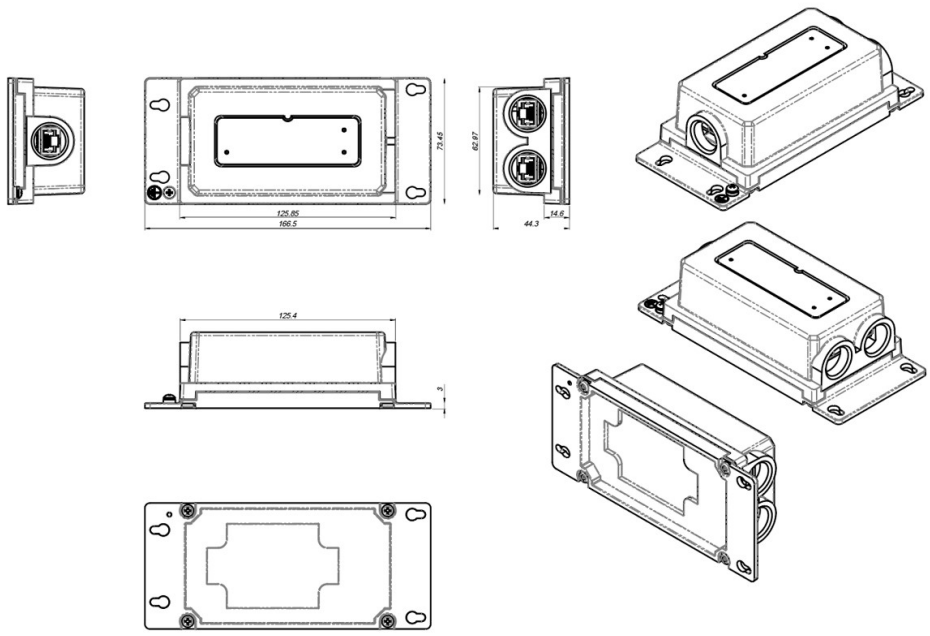
Wall/Panel mounting

MPN

EXT1200

1694645

Dimensions



Ordering Info

Model

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