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
0.3Ibs (.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)
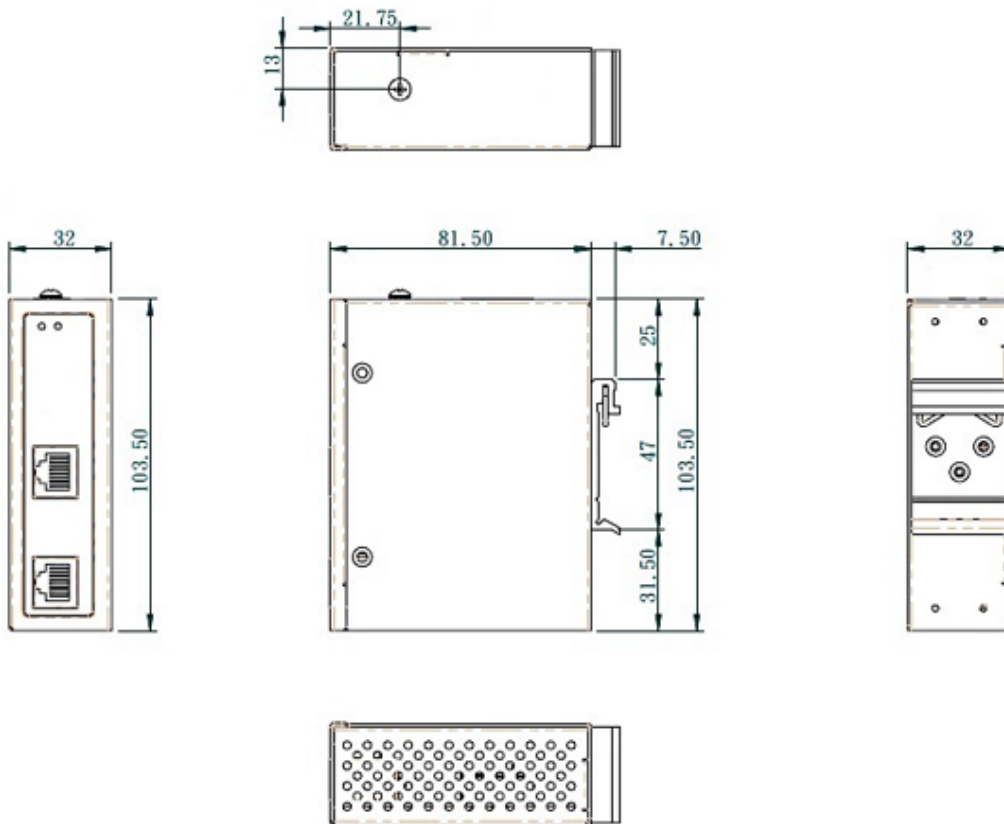EN61000-4-2 (Burst Standards)
EN61000-4-2 (Surge Standards)

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

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