

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
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+ 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

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• **IP Rating**

- IP30

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• **Dimensions**

- 1.26" x 3.21" x 4.07" (W x D x H)
- 32 x 81.5 x 103.5MM

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• **Weight**

- 0.3lbs (.14kg)

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• **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

EXT11000 Dimensions
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Ordering Info

+ Model

EXT1100	Hardened Gigabit PoE Extender
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