

# EXT1100

Hardened Gigabit PoE Extender



## Product 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 Spaces

- Wide operating temperature range -40 to 167°F (-40 to 75°C)
- High impact, thermal shock, and electrical noise resistance
- Fanless operation

### ➔ Support

- Complimentary Technical Support
- Limited Lifetime Warranty

## 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.

## Ordering Information

Model

**EXT1100**

Hardened Gigabit PoE Extender

# Hardware Specifications

Interface		+
<b>Ethernet</b>	1 x 10/100/1000BASE-T(X) RJ45 PD power input 1 x 10/100/1000BASE-T(X) RJ45 PSE power to device	
<b>LED Indicators</b>	Power detected: PD In  PoE out: On (device detected), Off (device not detected)  RJ-45 Ports: LINK: On (TX port detected), Flashing (data transmitting), OFF (TX port is not detected); SPD: On (TX port 1000M speed is detected), Off (TX port 1000M speed is not detected)	
Technology		+
<b>Standards</b>	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3x Flow Control & Back Pressure IEEE 802.3af PoE IEEE 802.3at PoE+	
<b>Forward Filtering Rate</b>	14,800pps for 10Mbps 148,810pps for 100Mbps 1,488,100pps for 1000Mbps	
<b>Processing Type</b>	Store-and-forward Auto-negotiation Half-duplex back-pressure and full-duplex flow control Auto MDI/MDIX	
<b>Switching Fabric</b>	4Gbps	
<b>Jumbo Frame Size</b>	9KB	
<b>Mac Table Size</b>	2K	
<b>Packet Buffer Memory</b>	1Mb	
Power		+
<b>Input</b>	15W/30W/60W/95W	
<b>Typical current consumption</b>	2.7W without PoE load	
<b>PoE Power Output</b>	15W/30W/60W	
Physical		+
<b>Casing Material</b>	Aluminum	
<b>IP Rating</b>	IP30	
<b>Dimensions</b>	1.26" x 3.21" x 4.07" (W x D x H) 32 x 81.5 x 103.5mm	
<b>Weight</b>	0.3lbs (.14kg)	
<b>Installation Type</b>	DIN Rail or Wall Mount	

Environmental		+
<b>Operating Temp.</b>	-40 to 167°F (-40 to 75°C)	
<b>Storage Temp.</b>	-40 to 185°F (-40 to 85°C)	
<b>Relative Humidity</b>	5% to 95 % (non-condensing)	
<b>MTBF</b>	>500,000 hours @ 50°C	
Regulatory		+
<b>ISO</b>	Manufactured in ISO-9001 Facility	
<b>EMI</b>	FCC Part 15B Class A EN 55032 EN 55024	
<b>EMS</b>	EN 61000-4-2 (ESD) EN 61000-4-4 (Burst) EN 61000-4-5 (Surge)	
<b>Vibration</b>	IEC 60068-2-6	
<b>Shock</b>	IEC 60068-2-27	
<b>Free Fall</b>	EN 60068-2-32	
Warranty		+
<b>Length</b>	Limited Lifetime	
<b>Details</b>	<a href="http://www.etherwan.com/support/warranty-policy">www.etherwan.com/support/warranty-policy</a>	
What's Included		+
<b>Device</b>	PoE Extender	
<b>Installation</b>	Mounting brackets & screws	
<b>Documentation</b>	Quick Install Guide	

# Dimensions

