

EL8315

Hardened PoE++ 10/100/1000BASE-T to 100/1000 Dual Rate SFP Media Converter



Overview

The EL8315 media converter offers an 802.3bt 90W solution. It features a Power Deliver Reset (PDRST) function, allowing user to reset communication between connected devices remotely by simply reinserting the connected SFP transceiver. The EL8315 can power outdoor speed domes, surveillance cameras, and other high power PD devices. It's designed for security, transportation, and telecom applications, helping to extend your network range. It can also support DIN-Rail mounting in critical environments. Most importantly, the EL8315 can operate in temp. range from -40 degree of C to 75 degree of C, ensuring reliable performance in harsh conditions.

EtherWAN — "When Connectivity is Crucial."

Highlights

+ Power over Ethernet

Supports IEEE 802.3bt PoE++

+ Dual-Rate Fiber Optic Port

SFP fiber optic port supports 100/1000 dual rate

+ Wide Operating Temperature

Fanless and wide operating temperature range -40 to 75°C (-40 to 167°F)

+ PDRST

Support power deliver reset function by DIP switch

Specifications

+ Interface

Ethernet Port

10/100/1000BASE-TX: 1 port

100/1000BASE-SFP: 1 port

LED Indicators

Per Unit: Power 1, Power 2

Per TX port: Link/ACT, Speed

Per FX port: Link/ACT

PoE: On/Off

+ Environmental

Operating Temp.

-40 to 75°C (-40 to 167°F)

Storage Temp.

-45 to 85°C (-49 to 185°F)

Relative Humidity

5% to 95% (non-condensing)

+ Technology

Standards

IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX
IEEE 802.3z 1000BASE-X
IEEE 802.3ab 1000BASE-T
IEEE 802.3x Flow Control and Back Pressure
IEEE 802.3bt PoE
IEEE 802.3at PoE
IEEE 802.3af PoE

Forward and Filtering Rate

14,880pps for 10Mbps
148,810pps for 100Mbps
1,488,100pps for 1000Mbps

Packet Buffer Memory

512K bits

Jumbo Frame

16KB

MAC Address Table size

1K

Processing Type

Ports speed are the same: Converter mode
Ports speed are not the same: Store-and-Forward mode
Auto-negotiation
Auto MDI/MDIX

+ Power

Input

12~56VDC for unit
52~56VDC for PoE device (Maximum PoE power
90Watts @ 56VDC input)

Power Consumption

3W@56VDC, without PoE

Protection

Over Current Protection
Reverse Polarity Protection

+ Regulatory

ISO

Manufactured in ISO-9001 facility

EMI

FCC Part 15B Class A
EN55032:2015
EN55035:2017/A11:2020

EMS

IEC 61000-2 (ESD)
IEC 61000-3 (Radiated RFI)
IEC 61000-4 (Burst)
IEC 61000-5 (Surge)
IEC 61000-6 (Induced RFI)
IEC 61000-8 (Magnetic field)

Safety

UL62368-1

Vibration

EN 60068-2-6

Shock

EN 60068-2-27

Free Fall w/ Package

EN 60068-2-32

+ Physical

Casing Material
Aluminum

Dimensions
32mm x 81.5mm x 103.5mm (W x D x H)

Weight
0.15kg (0.33lbs)

Installation Type
DIN-rail mounting (Top hat type 35mm)

+ Warranty

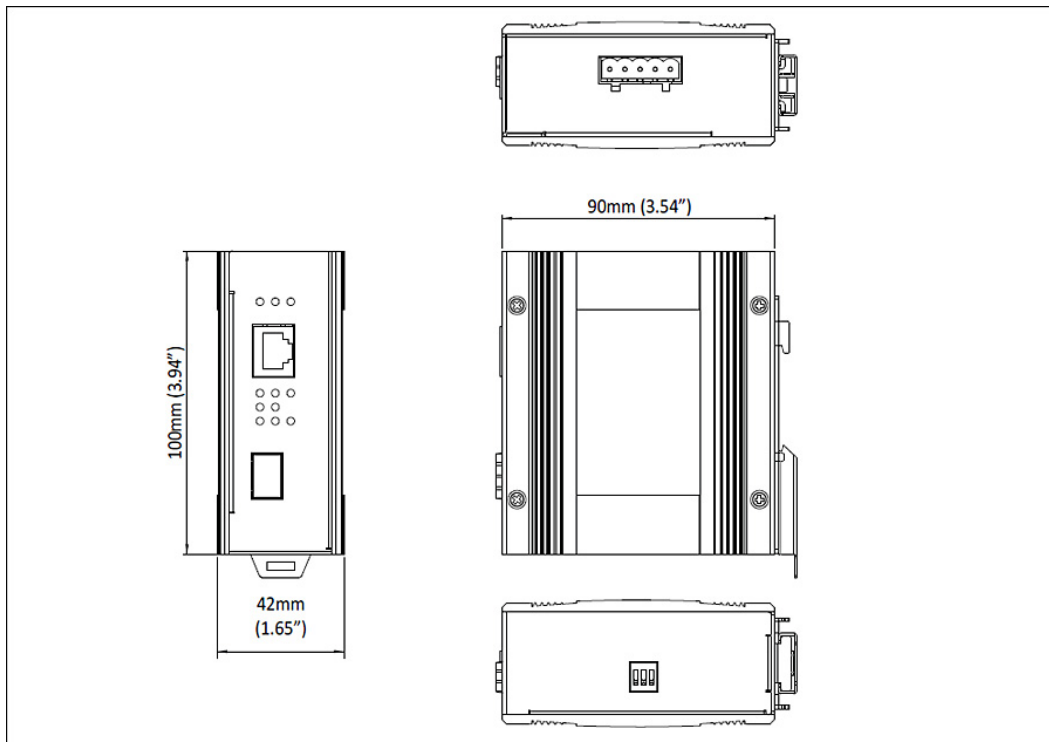
Length
2 Years

Details
www.etherwan.com/support/warranty-policy

+ What's Included

Device
Media Converter

Dimensions



Ordering Info

+ Model

EL8315 Hardened PoE++ 10/100/1000BASE-T to 100/1000 Dual Rate SFP Media Converter

* DIN-Rail mounting kit included.

+ 1000BASE-X Fiber Options (X)

100 or 1000BASE-X SFP

