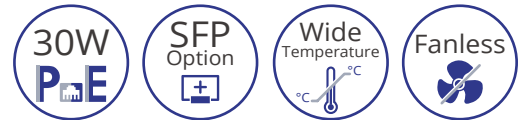


# EL2242

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



## Product Highlights

### Power over Ethernet

- Supports IEEE 802.3af/at PoE standard

### Wide Operating Temperature

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

### Dual-Rate Fiber Optic Port

- SFP fiber optic port supports 100/1000BASE-X

### Support

- Limited Lifetime Warranty and complimentary technical support

## Overview

The EL2242 provides media conversion between 10/100/1000BASE-T(X) and 100/1000 BASE SFP fiber. Through DIP switch selection, Link-Fault-Pass-Through (LFPT) function can be enabled or disabled. EL2242 supports the IEEE 802.3af/at PoE standard and can transmit power and data over one STP cable.

The EL2242's hardened design features high shock and vibration, electrical noise immunity and a wide operating temperature range from -40 to 75°C. EL2242 is the ideal media converter for harsh environments.

## Ordering Information

### Model

<b>EL2242-X1B</b>	10/100/1000BASE-T to 100/1000BASE Dual Rate Hardened PoE Media Converter
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\* DIN-Rail mounting kit included.

### 1000BASE-X Fiber Options (X)

<b>V</b>	100/1000BASE-X SFP
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### Optional Accessories

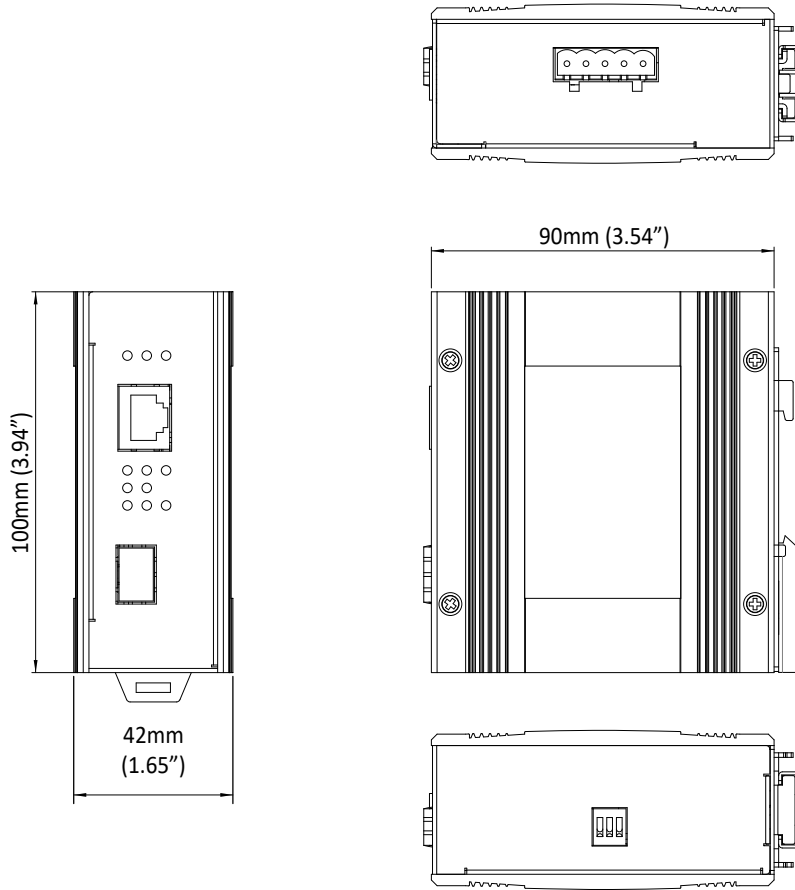
<b>EDR-75-48</b>	75W/1.6A DIN-Rail 48VDC Industrial Power Supply
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# Hardware Specifications

Interface		+
<b>Ethernet Port</b>	10/100/1000BASE-TX: 1 port 100/1000BASE-SFP: 1 port	
<b>LED Indicators</b>	Per Unit: Power 1, Power 2, Alarm Per 10/100/1000BASE-TX Port: 1000, 10/100, Link/Activity Per 100/1000BASE-FX Port: 1000, 100, Link/Activity PoE: On/Off LFPT: On/Off	
Technology		+
<b>Standards</b>	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3z 1000BASE-SX/1000BASE-LX IEEE 802.3ab 1000BASE-T IEEE 802.3at PoE IEEE 802.3af PoE	
<b>Forward and Filtering Rate</b>	14,880pps for 10Mbps 148,810pps for 100Mbps 1,488,100pps for 1000Mbps	
<b>Packet Buffer Memory</b>	256K bits	
<b>Processing Type</b>	Cut-through mode Half-duplex back-pressure and IEEE 802.3x full-duplex flow control Auto-negotiation Auto MDI/MDIX	
Power		+
<b>Input</b>	48-57VDC for unit and PoE system (50-57VDC is recommend for PoE+ device)	
<b>Power Consumption</b>	4.56W max. 0.38A@12VDC, 0.07A@48VDC	
<b>Protection</b>	Over Current Protection Reverse Polarity Protection	
Physical		+
<b>Casing Material</b>	Aluminum	
<b>Dimensions</b>	42 x 90 x 100mm (W x D x H) 1.65" x 3.54" x 3.94"	
<b>Weight</b>	0.38kg (0.83lbs)	
<b>Installation Type</b>	DIN-rail mounting (Top hat type 35mm)	

Environmental		+
<b>Operating Temp.</b>	-40 to 75°C (-40 to 167°F)	
<b>Storage Temp.</b>	-40 to 85°C (-40 to 185°F)	
<b>Relative Humidity</b>	5% to 95% (non-condensing)	
Regulatory		+
<b>ISO</b>	Manufactured in ISO-9001 facility	
<b>EMI</b>	FCC Part 15B Class A VCCI Class A EN 61000-6-4 EN 61000-3-3 EN 61000-3-2	
<b>EMS</b>	EN 61000-6-2 EN 61000-4-2 (ESD) EN 61000-4-3 (Radiated RFI) EN 61000-4-4 (Burst) EN 61000-4-5 (Surge) EN 61000-4-6 (Induced RFI) EN 61000-4-8 (Magnetic Field)	
<b>Safety</b>	UL 60950-1 EN 60950-1 IEC 60950-1	
<b>Vibration</b>	IEC 60068-2-6 Fc	
<b>Shock</b>	IEC 60068-2-27 Ea	
<b>Free Fall w/ Package</b>	FED STD 101C Method 5007.1	
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>	Media Converter	
<b>Documentation</b>	Quick Install Guide	

# Dimensions



# Accessories

DIN-Rail Power Supplies



[www.etherwan.com/products/din-rail-power-supply](http://www.etherwan.com/products/din-rail-power-supply)