

# EL2242-BT

Hardened Gigabit PoE Media Converter



## Overview

EtherWAN's EL2242-BT is a compact hardened DIN-rail mounted PoE Media Converter. Using the latest IEEE 802.3bt PoE technology providing up to 90W power output and an 100/1000 SFP Slot, the EL2242-BT provides the solution required to integrate remote PoE devices such as IP cameras, LED lights, wireless access point, and other network devices into non-PoE networks for reliable operation even in harsh environments. EtherWAN — "When Connectivity is Crucial."

## Spotlight

### Power over Ethernet

- » Supports IEEE802.3at PoE/PSE standard

### Hardened operating temperature range

- » From -40°C to 75°C, wide operating temperature is suitable for outdoor cabinet installation

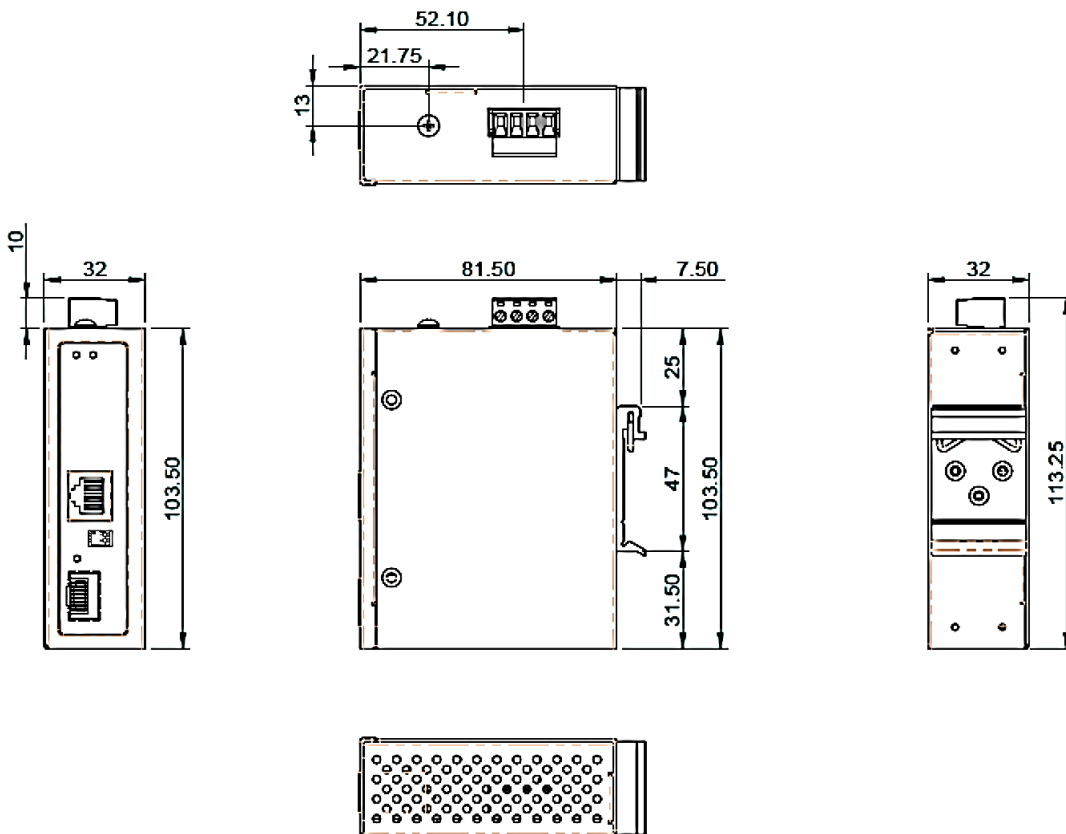
### Dual Rate Optic Port

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

## Specifications

Technology Standards • IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX/100BASE-FX • IEEE 802.3ab 1000BASE-T • IEEE 802.3z 1000Base-X Gigabit Ethernet • IEEE 802.3x Flow Control and Back Pressure • IEEE 802.3af PoE • IEEE 802.3at PoE+ • IEEE 802.3bt 4PPoE • Compliant with 60W uPoE standard • Compatible with 95W PoH (Power over HDBaseT) standard Forward and Filtering Rate • 14,880pps for 10Mbps • 148,810pps for 100Mbps • 1,488,100pps for 1000Mbps Processing Type • Cut-through mode • Auto Negotiation • Half-duplex back-pressure and IEEE802.3x full-duplex flow control • Auto MDI/MDIX Power Input Voltage • 52-56VDC redundant (terminal block) Power Consumption • Device: 2W @ 52VDC , without PoE • PoE power budget: 90W @ 56VDC input Protection • Overload current protection • Reverse polarity protection Mechanical Casing • Aluminum Case Dimensions • 32 x 81.5 x 103.5mm (W x D x H) (1.26" x 3.21" x 4.07") Weight • 1.5lbs (0.68kg) Installation • DIN-Rail (top hat type 35mm) or wall mounting Interface Ethernet Port • 10/100/1000BASE-T(X): 1 port • 100/1000BASE-SFP: 1 port LED Indicators • Per Unit: Power1, Power2 , Power Alarm • Per 10/100/1000BASE-TX Port: 1000, 10/100, Link/Act • Per 100/1000BASE-FX Port: 1000, 100, Link/Act • PoE: On/Off • LFPT: On/Off Environment Operating Temperature • -40°C to 75°C (-40°F to 167°F) Storage Temperature • -40°C to 85°C (-40°F to 185°F) Ambient Relative Humidity • 5% to 95% (non-condensing) MTBF • >500,000 hours @ 60°C Regulatory Approvals ISO • Manufactured in an ISO9001 facility Safety • UL 60950-1 EMI • FCC Part 15B Class A • EN 55032 • EN 55024 EMS • EN61000-6-2 • EN61000-4-2 (ESD Standards) • EN61000-4-4 (Burst Standards) • EN61000-4-5 (Surge Standards) Environmental Test Compliance • IEC60068-2-6 Fc (Vibration Resistance) • IEC60068-2-27 Ea (Shock) • FED STD 101C Method5007.1 (Free fall w/ package)

## Dimensions



## Ordering Info

Model EL2242-BT 10/100/1000BASE-T PoE to 100/1000M SFP Media Converter, 90W 802.3bt \* DIN-Rail mounting kit included Optional Accessories EPOW-54-600 600W 54V Hardened Power Supply (for terminal block) SFP Fiber Transceiver Single +3.3V

