EL1032T Series

Industrial 10/100BASE-TX to 100BASE-FX Media Converter with PoE/PSE



30W PoE

Overview

This product is discontinued as of 27th March 2026. Click here for alternative product.

The EL1032T Series provides media conversion between 10/100BASE-T(X) and 100BASE-FX Fiber. Through DIP switch selection, Link-Fault-Pass-Through (LFPT) function can be active or disabled. EL1032T supports IEEE 802.3at PoE/PSE standard and can transmit power and data over one RJ45 cable. The EL1032T's industrial design features high shock/vibration resistance, electrical noise immunity and a wide operating temperature range from -10 to 60°C. EL1032T is the ideal media converter for industrial environments.

EtherWAN — "When Connectivity is Crucial."

Highlights

Power over Ethernet

Supports IEEE802.3at PoE/PSE standard and IEEE802.3af PoE/PSE compatible

Dual Power Interfaces

Supports both terminal block and DC jack for power input selection

Industrial operating temperature range

From -10°C to 60°C, wide operating temperature is suitable for outdoor cabinet installation

Specifications

Technology

Standards

IEEE 802.3 10BASE-T

IEEE 802.3u 100BASE-TX/FX

IEEE 802.3af/at PoE/PSE

Forward and Filtering Rate

14,880pps for 10Mbps

148,810pps for 100Mbps

Packet Buffer Memory

228Kb

Processing Type

Store-and-Forward

Auto Negotiation

Half-duplex back-pressure and IEEE 802.3x full-duplex flow control

Auto MDI/MDIX

Interface

Ethernet Port

10/100BASE-TX: 1 port

100BASE-FX: 1 port

LED Indicators

Per Unit: Power

Per 10/100TX Port: Link/ACT, full-duplex/collision

Per 100FX Port: Link/ACT

PoE: PD connect/PD disconnect

Power

Input Voltage

48-57VDC

Power Consumption

Device: Max. 3.6W (without PoE)

PoE power budget: 30W Max. (depends on power input)

PoE Power Output

IEEE 802.3at: up to 30W/port, 50-57VDC, 500mA Max.

Protection

Overload current protection

Reverse polarity protection

Mechanical

Casing

Aluminum Case

Dimensions

70 x 110 x 30mm (W x D x H)

(2.76" x 4.33" x 1.18")

Weight

0.25Kg (0.55lb.)

Installation

DIN-Rail (top hat type 35mm), Panel, or Wall mounting

Environment

Operating Temperature

-10 to 60°C (14 to 140°F)

Tested @ -20 to 70°C (-4 to 158°F)

Storage Temperature

-40 to 85°C (-40 to 185°F)

Ambient Relative Humidity

5% to 95% (non-condensing)

Regulatory Approvals

ISO

Manufactured in an ISO 9001 facility

EMI

FCC Part 15B Class A

EN 61000-6-4

EN 55022

EMS

EN 61000-6-2

EN 61000-4-2 (ESD Standards)

EN 61000-4-3 (Radiated RFI Standards)

EN 61000-4-4 (Burst Standards)

EN 61000-4-5 (Surge Standards)

EN 61000-4-6 (Induced RFI Standards)

EN 61000-4-8 (Magnetic Field Standards)

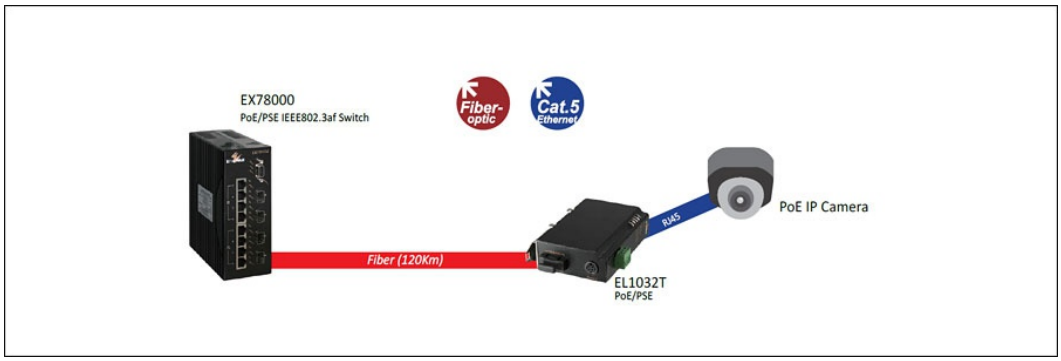
Environmental Test Compliance

IEC 60068-2-6 Fc (Vibration Resistance)

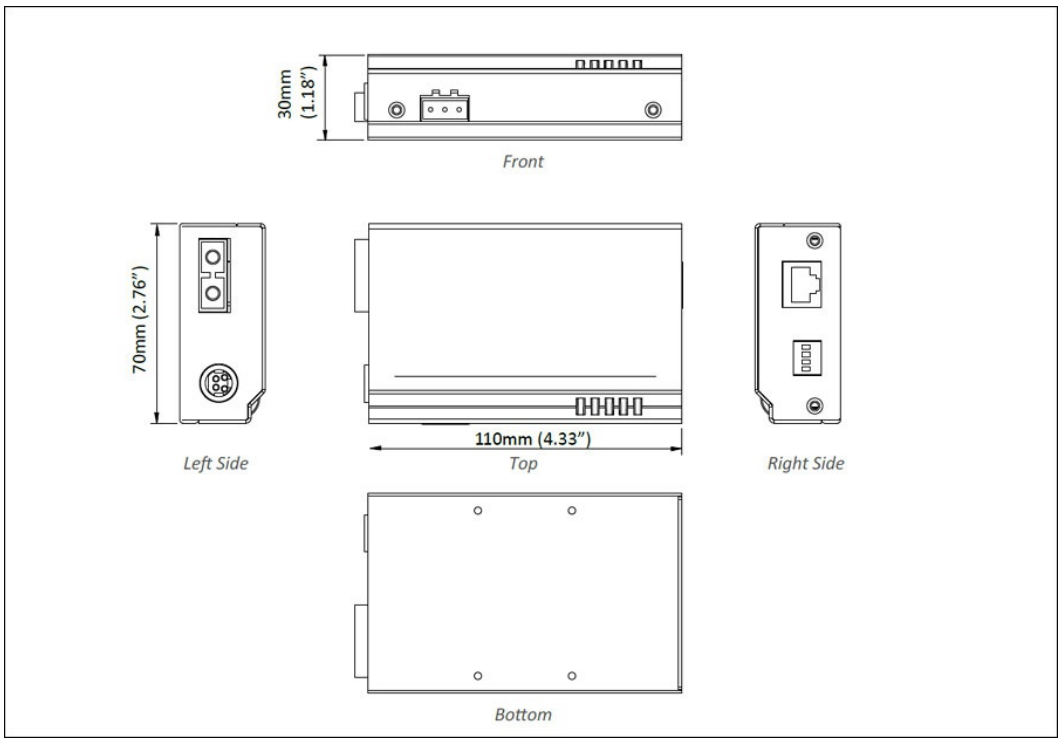
IEC 60068-2-27 Ea (Shock)

FED STD 101C Method5007.1 (Free fall w/package)

Application



Dimensions



Ordering Info

Model

EL1032T-X0B	10/100BASE-TX to 100BASE-FX Industrial Media Converter with IEEE 802.3af 15.4W and IEEE 802.3at 30W PoE/PSE

* DIN-Rail mounting kit included.

100FX Fiber Options (X)

1	Multi Mode (SC)
2	Multi Mode (ST)
A	Single Mode (SC) - 20Km (1310nm)
B	Single Mode (SC) - 40Km (1310nm)
H	Single Mode (ST) - 20Km (1310nm)
6	Multi Mode (SC) WDM-TX: 1310nm/RX: 1550nm-2Km
7	Multi Mode (SC) WDM-TX: 1550nm/RX: 1310nm-2Km
8	Multi Mode (SC) WDM-TX: 1310nm/RX: 1550nm-5Km
9	Multi Mode (SC) WDM-TX: 1550nm/RX: 1310nm-5Km
P	Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-20Km
Q	Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-20Km
R	Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-40Km
S	Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-40Km

* More 100FX Fiber options also available upon request.

Optional Accessories

EDR-75-48	75W/1.6A DIN-Rail 48VDC Industrial Power Supply
EXGS-120A-48	Power Supply 120W 48VDC with Latch

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