

## EL2321 Series

Managed 10/100/1000BASE-TX to 100/1000BASE-X Dual Rate Media Converter



## Overview

**This product is discontinued as of 28th August 2020. [click here](#) for alternative product.**

The EL2321 Series provides media conversion between "10/100/1000BASE-TX" and "100BASE/1000BASE-SX-LX Fiber or 100/1000BASE-SFP Fiber." The EL2321's fiber design is compatible to 100BASE fiber or 1000BASE fiber transceiver.

The EL2321 managed media converter supports Telnet, SNMP v1/v2, and web browser management enabling value-added connectivity and bandwidth control. Key features include; 802.3ah OAM compliance, VLAN tagging, broadcast storm protection, Far-End-Fault, and Link-Fault-Pass-Through resulting in reliable communications between networks. With link down alarming and a wide range of fiber connectivity options the EL2321 is the ideal media converter for environments where connectivity is variable.

EtherWAN — "When Connectivity is Crucial."

## Spotlight

### Gigabit Connectivity

- » Auto 10/100/1000BASE-TX and 1000BASE-SX/LX/BX Ethernet transmission conversion
- » 1000Mbps Full duplex, 10/100Mbps Full/Half duplex
- » Fiber interface supports dual rate 100BASE-FX and 1000BASE-SX/LX fiber transmission

### Managed Functions

- » Supports IEEE802.3ah OAM standards
- » Supports SNMPv1, SNMPv2
- » Supports bandwidth control and VLAN base priority tag

## Features

### Management

- » Interface
    - Web Browser
    - SNMP v1/v2c
  - » Firmware and configuration upgrade and backup via TFTP
  - » Supports DHCP Server/Client
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### Security

- » MAC Address by port security
  - » Enable/disable port
  - » Storm control (broadcast and multicast types)
  - » IEEE802.1x LAN access control
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### Quality of Service (QoS)

- » Priority Queues: 4 queues per port
  - » Traffic classification based on IEEE802.1p CoS, DSCP, WRR (Weighted Round Robin)
  - » Rate Limiting (Ingress/Egress)
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### Layer 2 Features

- » Auto-negotiation for port speed and duplex mode
- » Flow Control
  - IEEE802.3x full duplex mode
  - Back-Pressure half duplex mode
- » VLANs

- Port-based VLANs
  - IEEE802.1Q Tag VLANs (4096 VID)
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# Specifications

## Technology

### Standards

- IEEE802.3 10BASE-T
- IEEE802.3u 100BASE-TX/100BASE-FX
- IEEE802.3ab 1000BASE-T
- IEEE802.3z 1000BASE-SX/1000BASE-LX
- IEEE802.3x Full duplex and flow control

### Forward and Filtering Rate

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

### Processing Type

- Store-and-Forward
- Auto Negotiation
- Half duplex back-pressure and IEEE802.3x full-duplex flow control
- Auto-MDI/MDIX

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## Power

### Power Input

- Input Voltage: 12VDC

### Power Consumption

- 3W Max. 0.23A@12VDC

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## Mechanical

### Casing

- Metal Case
- IP30

### Dimensions

- 80.3 x 109.2 x 23.8mm (W x D x H)  
(3.16" x 4.3" x 0.94")

### **Weight**

- 150g (0.336lbs.)

### **Installation**

- Wall mounting
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## Interface

### **Ethernet Port**

- 10/100/1000BASE-TX: 1 port
- 100BASE/1000BASE-SX-LX or 100/1000BASE SFP slot: 1 port

### **LED Indicators**

- Per Unit: Power Status, OAM loop
  - Per Port: TX Speed, Link/Activity, Full-duplex
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## Environment

### **Operating Temperature**

- 0 to 50°C (32 to 121°F)

### **Storage Temperature**

- -20 to 70°C (-4 to 158°F)

### **Ambient Relative Humidity**

- 5% to 95% (non-condensing)
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## Regulatory Approvals

### **ISO**

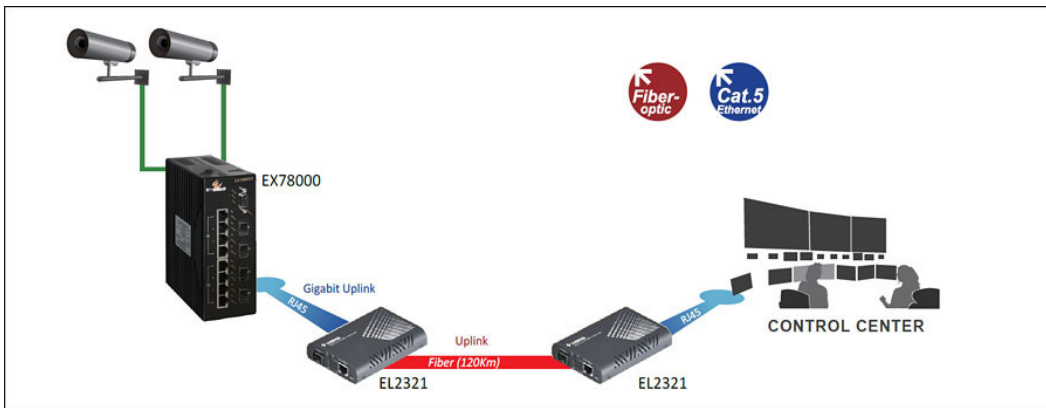
- Manufactured in an ISO 9001 facility

### **Emission Compliances**

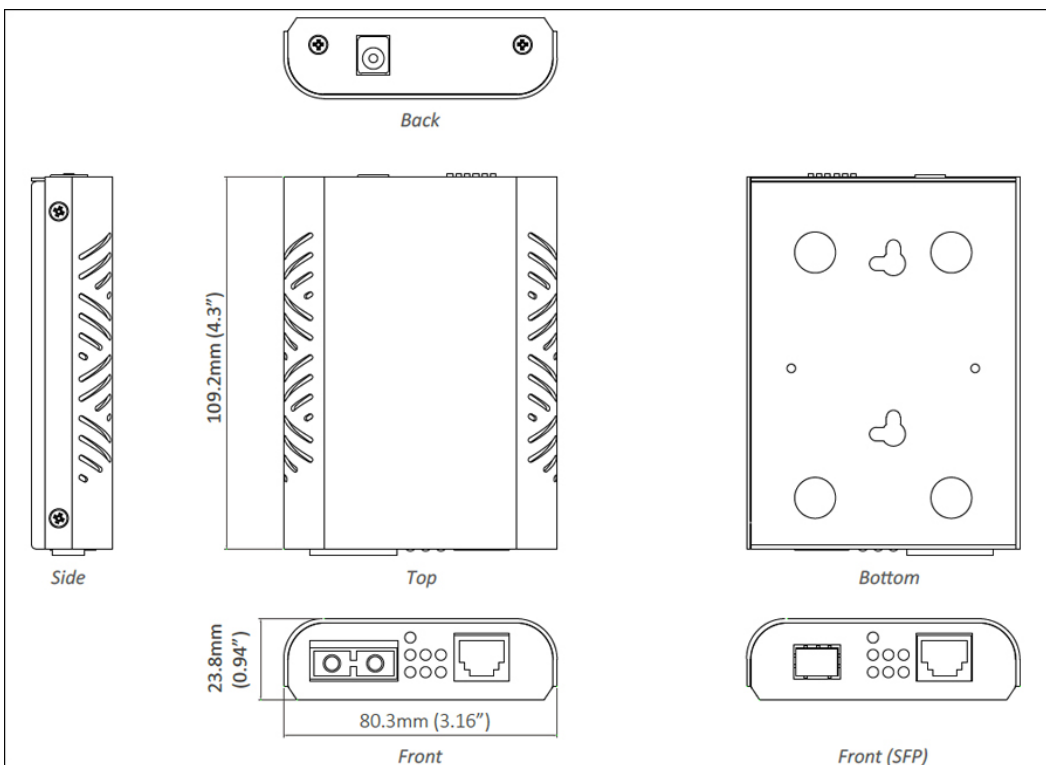
CE Mark Class A

FCC Part 15B Class A

## Application



## Dimensions



## Ordering Info

### Model

<b>EL2321-X1Z</b>	Managed 10/100/1000BASE-TX to 100BASE/1000BASE-X Dual Rate Media Converter
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### Gigabit Port Options (X)

<b>3</b>	1000BASE-SX (SC) - 550m (850nm)
<b>4</b>	1000BASE-SX (SC) - 2Km (1310nm)
<b>5</b>	1000BASE-SX (ST) - 550m (850nm)
<b>A</b>	1000BASE-LX (SC) - 10Km (1310nm)
<b>B</b>	1000BASE-LX (SC) - 20Km (1310nm)
<b>E</b>	1000BASE-LX (SC) - 40Km (1310nm)
<b>R</b>	1000BASE-BX (SC) WDM-TX:1310nm/RX:1550nm - 20Km
<b>S</b>	1000BASE-BX (SC) WDM -TX:1550nm/RX:1310nm - 20Km
<b>V</b>	100/1000BASE SFP

### Power Adapter Options (Z)

<b>A</b>	with external power adapter for AU
<b>E</b>	with external power adapter for EU
<b>J</b>	with external power adapter for JP
<b>K</b>	with external power adapter for UK
<b>U</b>	with external power adapter for USA
<b>3C</b>	with external power adapter for China

