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

Security

» MAC Address by port security
» Enable/disable port
» Storm control (broadcast and multicast types)
» IEEE802.1x LAN access control

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)

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)

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

Power

Power Input

- Input Voltage: 12VDC

Power Consumption

- 3W Max. 0.23A@12VDC

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

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

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)

Regulatory Approvals

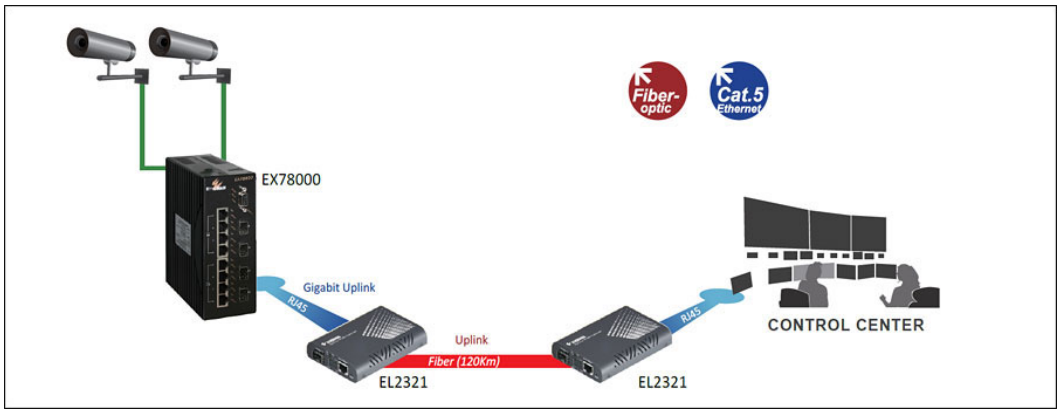
ISO

• Manufactured in an ISO 9001 facility

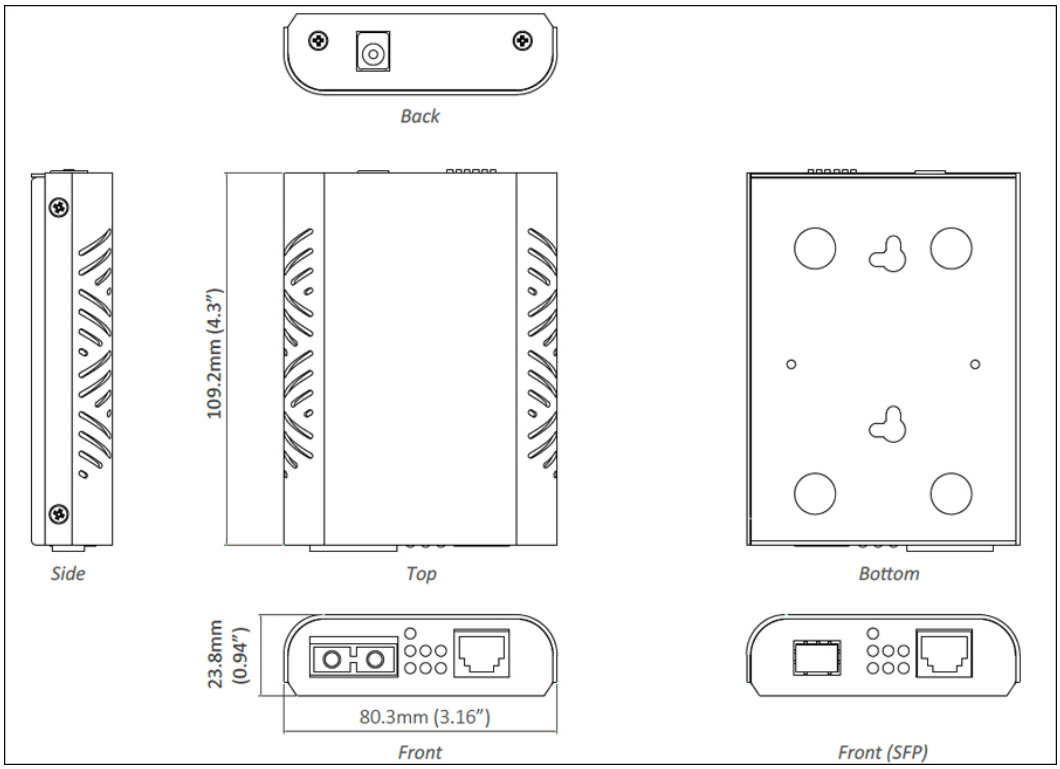
Emission Compliances

CE Mark Class A
FCC Part 15B Class A
VCCI Class A

Application



Dimensions



Ordering Info

Model

EL2321-X1Z	Managed 10/100/1000BASE-TX to 100BASE/1000BASE-X Dual Rate Media Converter

Gigabit Port Options (X)

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

Power Adapter Options (Z)

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

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