

# EL2326 Series

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



## Overview

The EL2326 Series provides media conversion between 10/100/1000BASE-T(X) and 100BASE-FX Fiber or 1000BASE-SX/LX Fiber. The EL2326's fiber design is compatible to 100BASE fiber or 1000BASE fiber transceiver.

The EL2326 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 EL2326 is the ideal managed media converter for industrial environments where connectivity is crucial.

## Spotlight

### • Gigabit Connectivity

- Auto 10/100/1000BASE-T X 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

### • Built-in Fiber Tray

# Software Features

## Management

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- Interface
  - Web Browser
  - SNMP v1/v2c/v3
- Firmware and configuration upgrade and backup via TFTP
- Supports DHCP Server/Client
- RMON (Remote monitoring): group 1, 2, 3, 9

## Security

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- MAC Address by port security
- Enable/disable port
- Storm control (broadcast and multicast types)
- IEEE802.1x LAN access control
- Remote authentication through RADIUS
- SSL for web security

## Quality of Service (QoS)

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- 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

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- 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)
  - GVRP (GARP VLAN Registration Protocol)
  - GMRP (GARP Multicast Registration Protocol)
- IGMP Snooping
  - IGMP snooping v1/v2/v3
- Jumbo Frame
  - Gigabit transmission supports 9K bytes jumbo frame

# Hardware Specifications

## Technology

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### 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

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### Input Voltage

- 12VDC

### Power Consumption

- 3W Max. 0.25A @ 12VDC

## Mechanical

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### Casing

- Metal case
- IP30

### Dimensions

- 100 mm (W) x 122mm (D) x 32.5mm (H)  
(3.94"(W) x 4.8" (D) x 1.28" (H))

### Weight

- 350g (0.77lbs.)

### Installation

- Wall mounting

## Interface

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### Ethernet Port

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

### LED Indicators

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

## Environment

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### Operating Temperature

- -5°C to 55°C (-23°F to 131°C)

### Storage Temperature

- -20°C to 70°C (-4°F to 158°F)

### Ambient Relative Humidity

- 5% to 95% (non-condensing)

## Regulatory Approvals

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### ISO

- Manufactured in an ISO9001 facility

## Emission Compliance

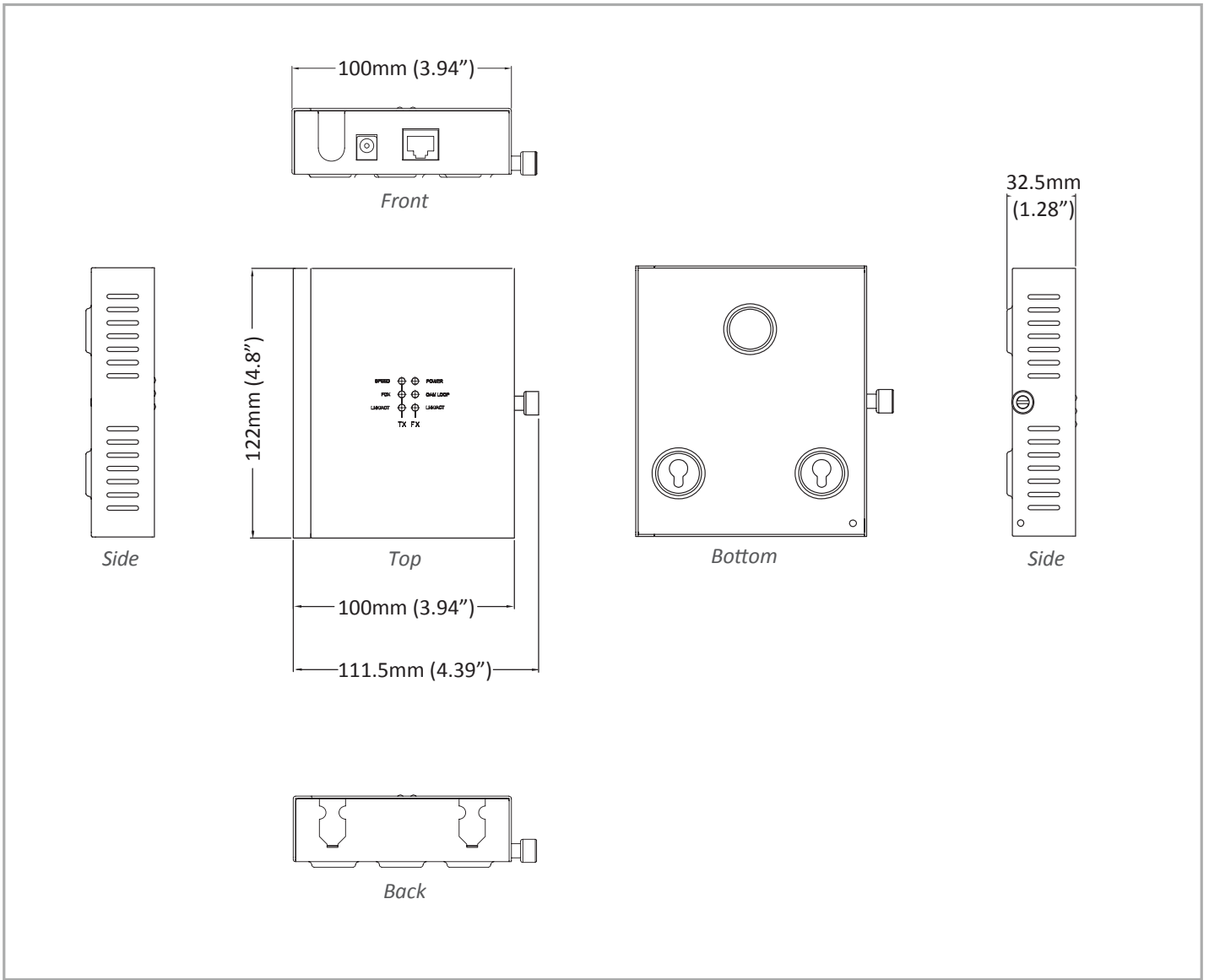
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### CE Mark Class A

### FCC Part 15B Class A

### VCCI Class A

## Dimensions



## Ordering Information

### Model

<b>EL2326-X1Z</b>	OAM Managed 10/100/1000BASE-TX to 100/1000BASE-X Dual Rate Media Converter
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### Gigabit Port Options (X)

<b>3</b>	1000BASE-SX(SC) - 550m
<b>4</b>	1000BASE-SX (SC) - 2Km
<b>5</b>	1000BASE-SX (ST) - 550m
<b>A</b>	1000BASE-LX (SC) - 10Km
<b>B</b>	1000BASE-LX (SC) - 20Km
<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-X SFP

## Ordering Information - continued

### 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