# EL2326 Series

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



## Overview

**This product is discontinued as of 1st October 2020. click here for alternative product.**

The EL2326 Series provides media conversion between 10/100/1000BASE-T(X) and 100-FX Fiber or 1000BASE-SX/LX Fiber. 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 valueadded connectivity and bandwidth control. Key features include; IEEE802.3ah 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.

EtherWAN — "When 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 IEEE 802.3ah OAM standards
» Supports SNMPv1, SNMPv2
» Supports bandwidth control and VLAN base priority tag

## Built-in Fiber Tray

# Features

## Management

» 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

» 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)

» 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)
- 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

# 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

### Input Voltage

- 12VDC

### Power Consumption

- 3W Max. 0.25A @ 12VDC

## Mechanical

### 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

### 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

### 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

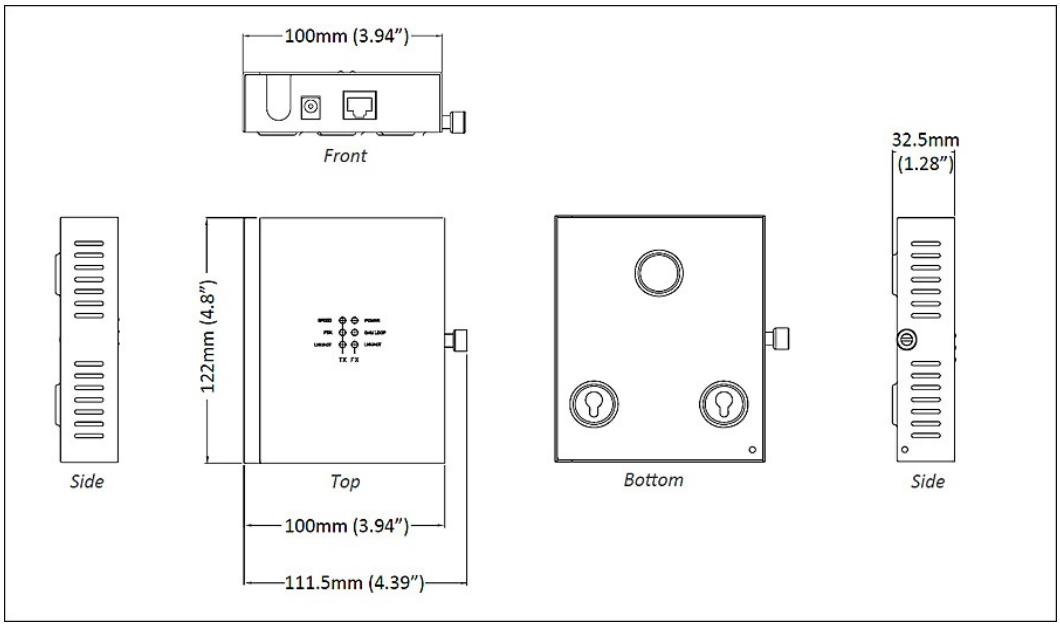
### ISO

• Manufactured in an ISO9001 facility

### Emission Compliance

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

# Dimensions


100mm (3.94")
Front
32.5mm
(1.28")
122mm (4.8")
Side
Top
Bottom
Side
100mm (3.94")
111.5mm (4.39")

# Ordering Info

## Model

| | |
|---|---|
| **EL2326-X1Z** | 10/100/1000BASE-TX to 100/1000BASE-X Dual Rate OAM Managed Media Converter |

## Gigabit Port Options (X)

| | |
|---|---|
| **3** | 1000BASE-SX (SC) - 550m |
| **4** | 1000BASE-SX (SC) - 2Km |
| **5** | 1000BASE-SX (ST) - 550Km |
| **A** | 1000BASE-LX (SC) - 10Km |
| **B** | 1000BASE-LX (SC) - 20Km |
| **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 |

## 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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