

# EL1216 Series

10/100ASE-TX to 100BASE-FX Media Converter



## Overview

The EL1216 Series provides media conversion between 10/100BASE-T(X) and 100BASE-FX Fiber. Easy plug-and-play design facilitates network infrastructure construction. The EL1216 series is designed for SC or ST fiber connection applications. The EL1216's mechanical design prevents physical contact with fiber transceiver while the case is sealed; The EL1216's compact size is suitable for space limit installation and it is the ideal media converter for enterprise environments.

EtherWAN – “When Connectivity is Crucial”.

## Spotlight

- **Plug-and-Play Media Converter**
  - Easy installation, plug-and-play without additional configuration, providing store-and-forward data transmission
- **Hidden Fiber Transceiver**
  - Mechanical design prevents physical contact with fiber transceiver while the case is sealed

# Hardware Specifications

## Technology

### Standards

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX/100BASE-FX
- IEEE 802.3x full duplex and flow control

### Forward and Filtering Rate

- 14,880pps for 10Mbps
- 148,810pps for 100Mbps

### Processing Type

- Store-and-Forward
- Auto Negotiation
- Half duplex back-pressure and IEEE 802.3x full-duplex flow control
- Auto-MDI/MDIX

## Power

### Input

- 12VDC

### Power Consumption

- 3W Max. 0.25A@12VDC

## Mechanical

### Casing

- Metal Case
- IP30

### Dimensions

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

### Weight

- 350g (0.77lbs.)

### Installation

- Wall mounting

## Interface

### Ethernet Port

- 10/100BASE-TX: 1 port
- 100BASE-FX: 1 port

### LED Indicators

- Per Unit: Power Status
- Per Port: TX Speed, Link/Activity, Duplex Mode/Collision

## Environment

### Operating Temperature

- 0 to 50°C (32 to 122°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

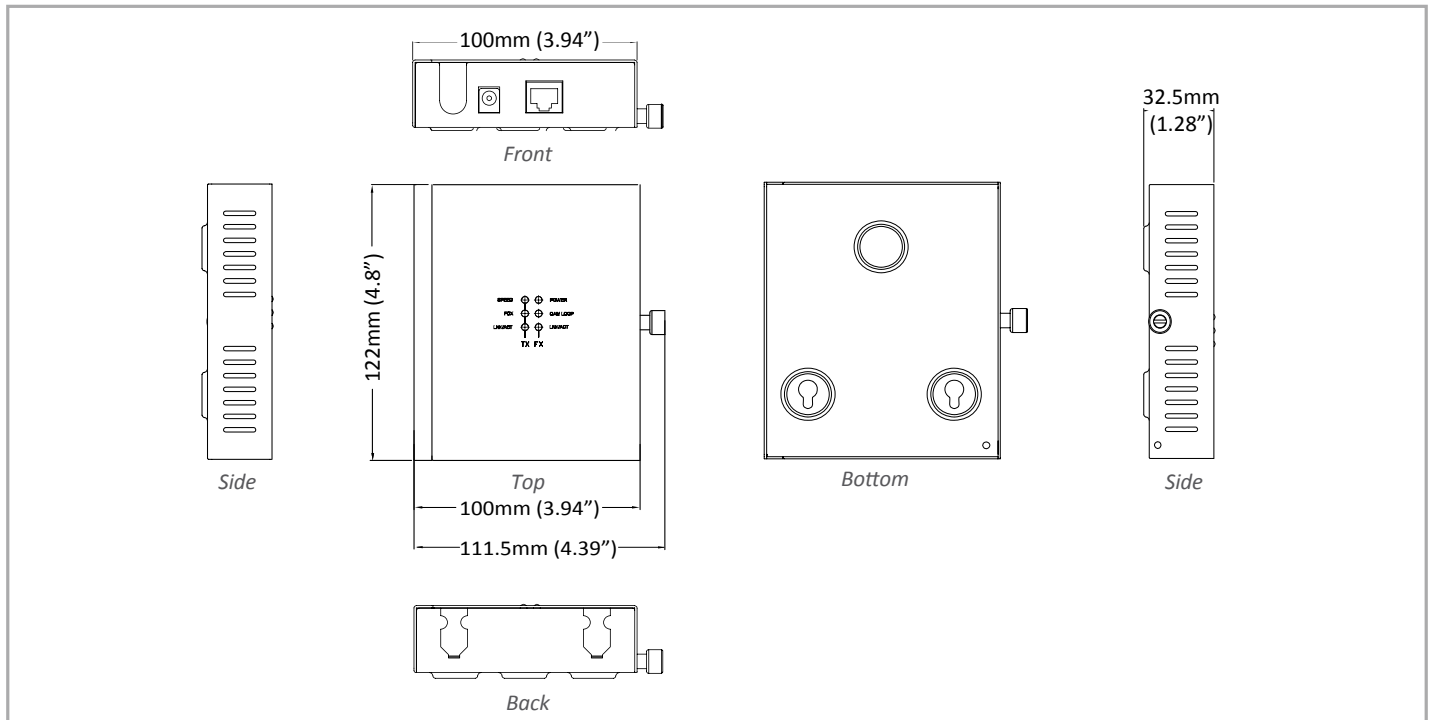
## Emission Compliance

### CE Mark Class A

### FCC Part 15B Class A

### VCCI Class A

## Dimensions



## Ordering Information

### Model

<b>EL1216-X1Z</b>	10/100ASE-TX to 100BASE-FX Media Converter
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### 100FX Fiber Options (X)

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

\* More 100FX Fiber options also available upon request.

### 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