

# EL2211 Series

10/100/1000BASE-TX to 1000BASE-SX/LX/BX Media Converter



## Overview

The EL2211 Series provides media conversion between 10/100/1000BASE-T (X) and 1000BASE-SX/LX/BX Fiber. Through DIP switch selection, Link-Fault-Pass-Through (LFPT) function can be active or disabled. With Gigabit transmission rate, the EL2211 supports Jumbo Frame up to 9K bytes. The EL2211 is the ideal media converter for enterprise environments.

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
- **Link-Fault-Pass-Through (LFPT)**
  - LFPT function let network operators be aware of network connection status
  - When fiber link is down, LFPT function will turn down Ethernet port to inform connected device that the link is down and vice versa
- **Optional Chassis System**
  - Supports wall mounting or EtherWAN's EMC1600 chassis system for easy group installation with power redundancy

# Hardware Specifications

## Technology

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### Standards

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3z 1000BASE-SX/1000BASE-LX
- IEEE 802.3x 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 IEEE 802.3x full-duplex flow control
- Auto-MDI/MDIX

## Power

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### Input

- 12VDC

### Power Consumption

- 2.76W Max. 0.23A@12VDC

## Mechanical

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### Casing

- Aluminum Case

### Dimensions

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

### Weight

- 150g (0.33lbs.)

### Installation

- Wall mounting, or in EMC1600 Chassis System

## Interface

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### Ethernet Port

- 10/100/1000BASE-TX: 1 port
- 1000BASE-SX/LX/BX: 1 port

### LED Indicators

- Per Unit: Power, LFPT
- Per Port: Link/Act, Speed

## Environment

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### Operating Temperature

- 0 to 50°C (32 to 122°F)

### Storage Temperature

- -10 to 70°C (-14 to 158°F)

### Ambient Relative Humidity

- 5% to 95% (non-condensing)

## Regulatory Approvals

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### ISO

- Manufactured in an ISO 9001 facility

### Safety

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### UL 60950-1

### Emission Compliance

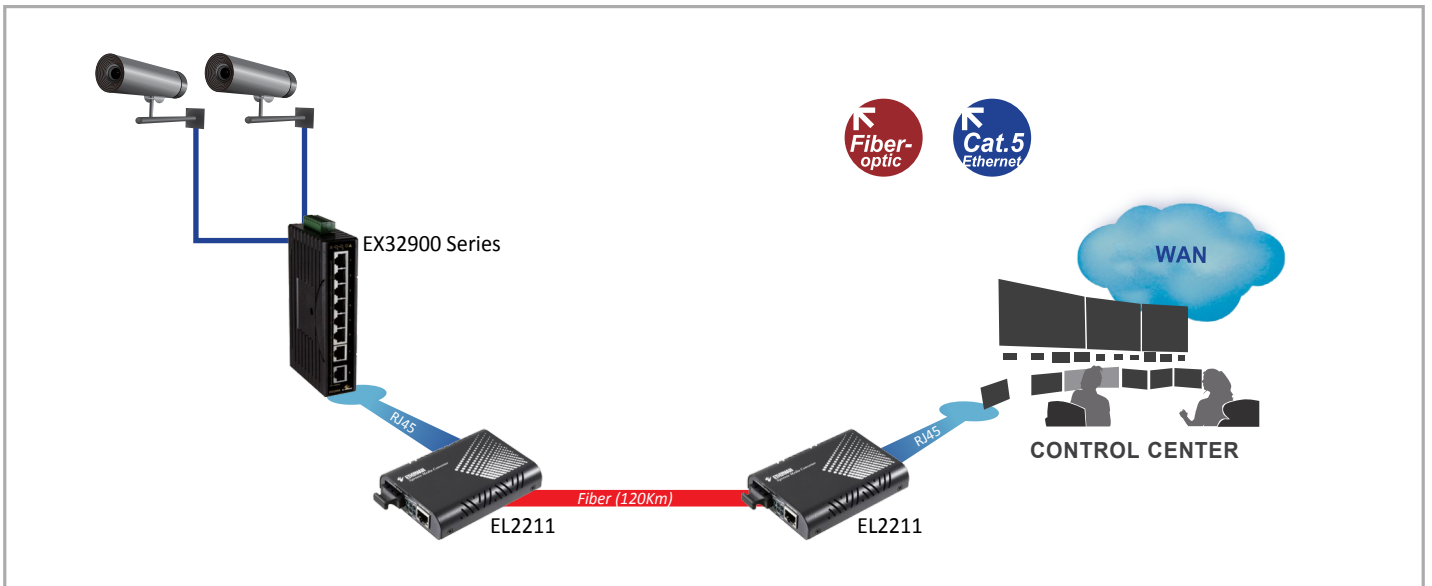
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### CE Mark Class A

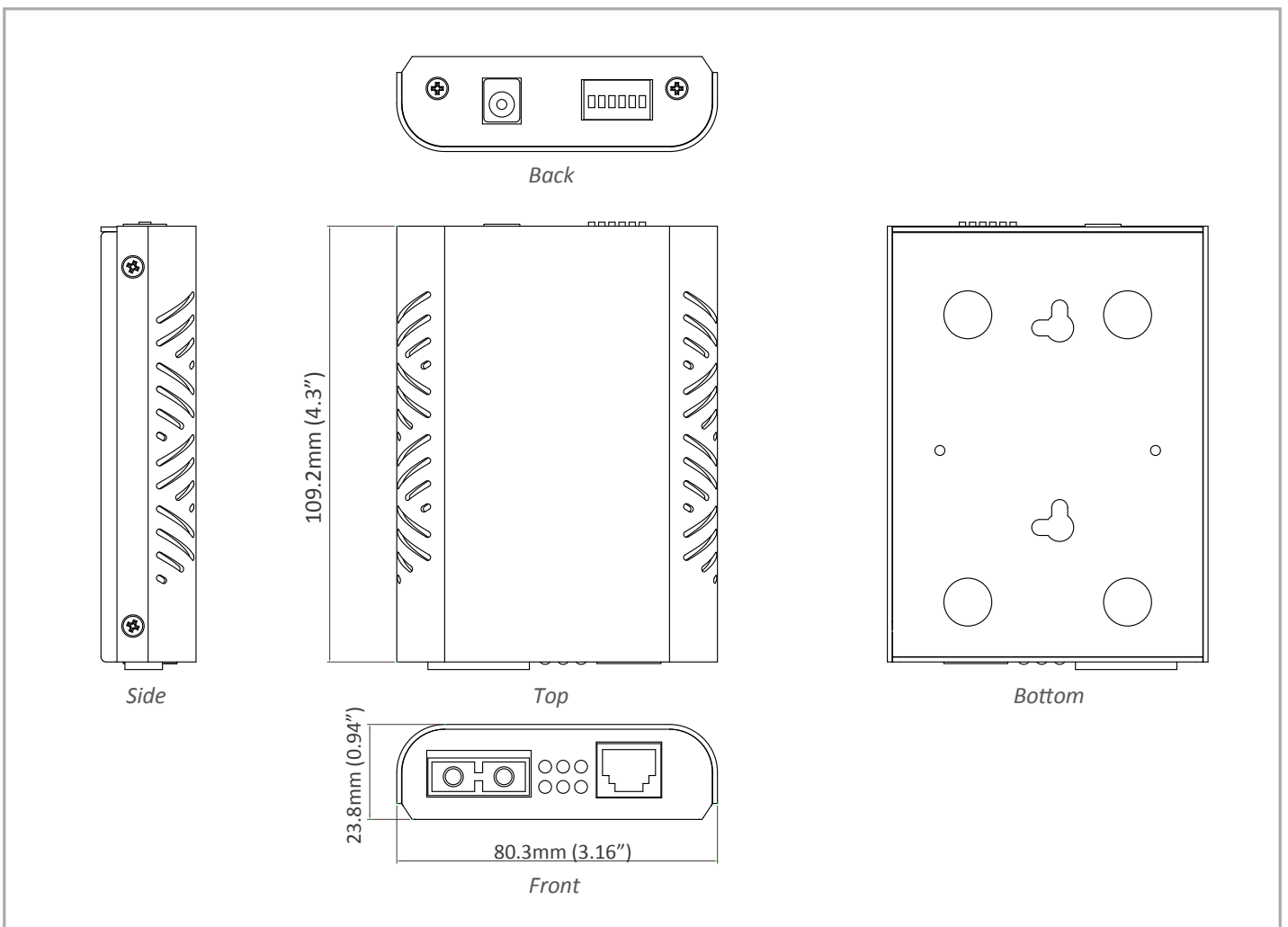
### FCC Part 15B Class A

### VCCI Class A

## Application Diagram



## Dimensions



## Ordering Information

### Model

<b>EL2211-X1Z</b>	10/100/1000BASE-TX to 1000BASE-SX/LX/BX 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
<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

### 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