

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

Standards

- IEEE802.3 10BASE-T
- IEEE802.3u 100BASE-TX
- 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

- 2.76W Max. 0.23A @ 12VDC

Mechanical

Casing

- Aluminum Case

Dimensions

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

Weight

- 150g (0.33lbs.)

Installation

- Wall mounting, or in EMC1600 Chassis System

Interface

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

Operating Temperature

- 0°C to 50°C (32°F to 122°F)

Storage Temperature

- -10°C to 70°C (-14°F to 158°F)

Ambient Relative Humidity

- 5% to 95% (non-condensing)

Regulatory Approvals

ISO

- Manufactured in an ISO9001 facility

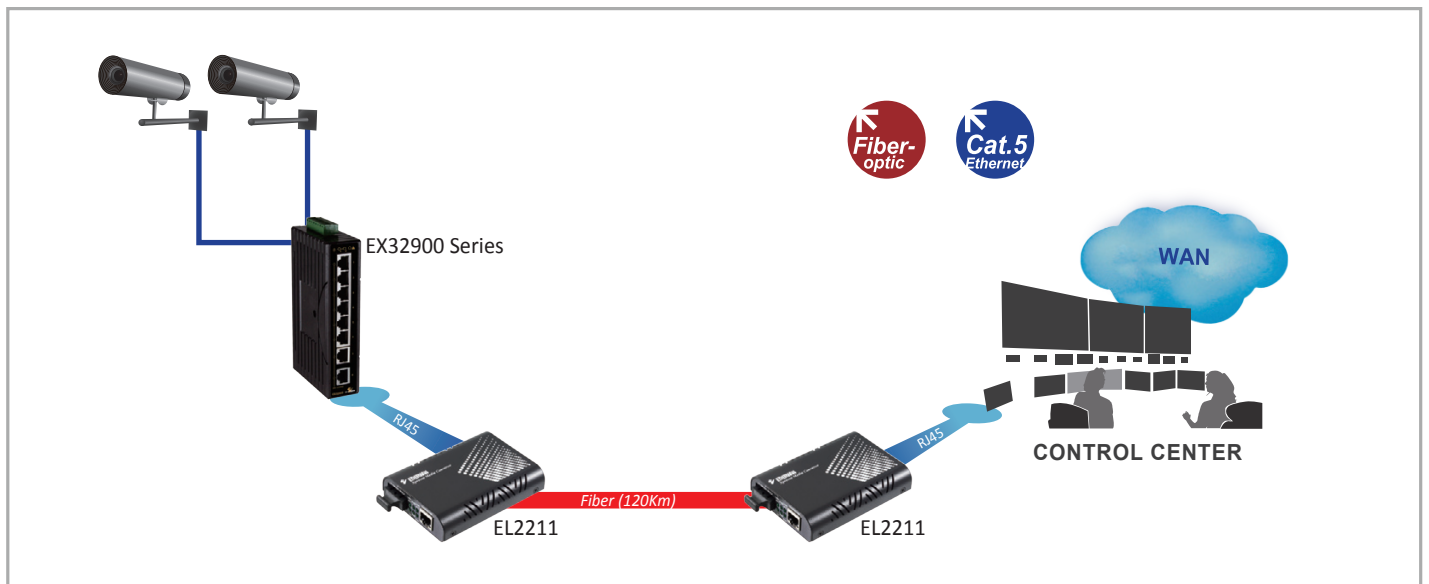
Emission Compliance

CE Mark Class A

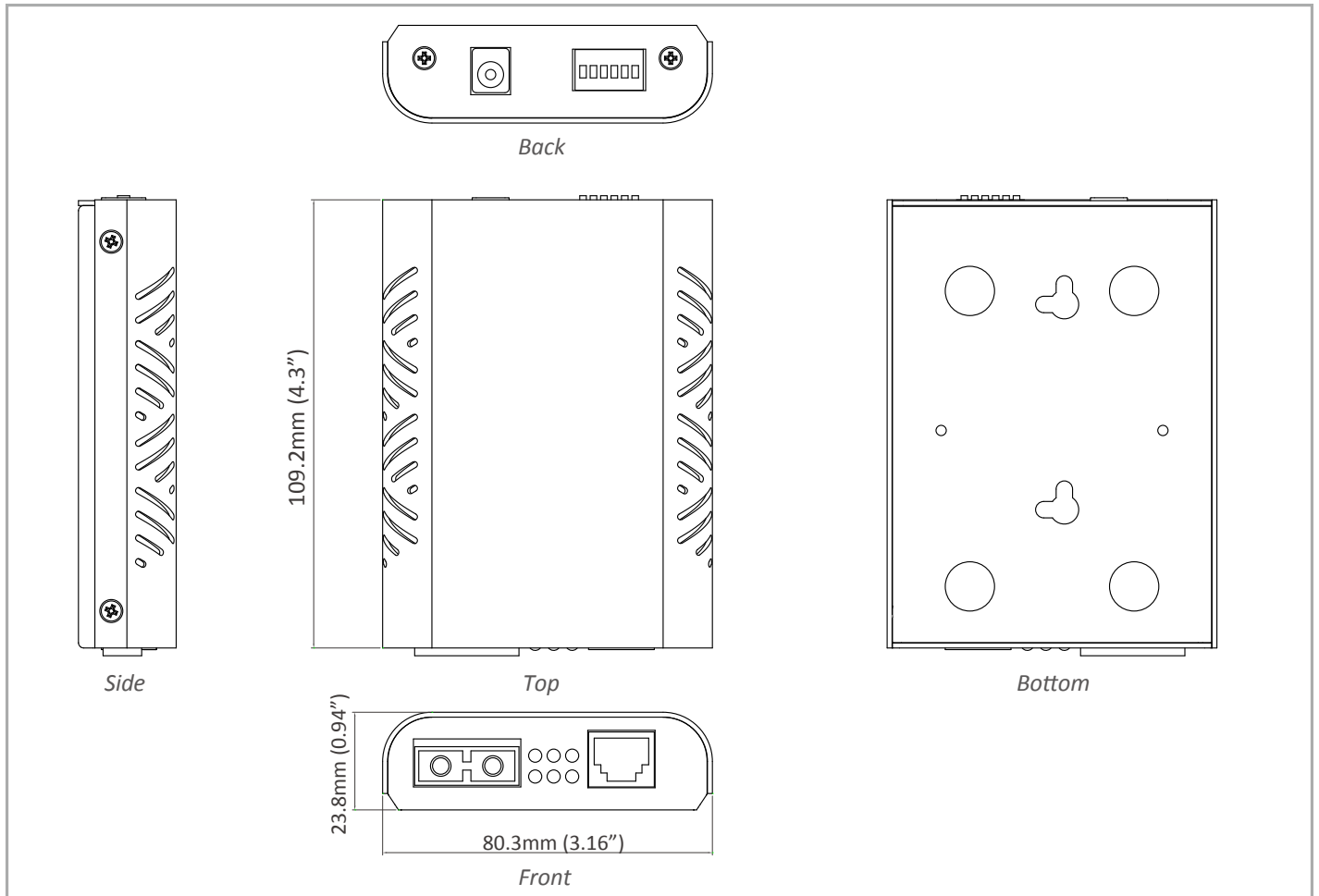
FCC Part 15B Class A

VCCI Class A

Application Diagram



Dimensions



Ordering Information

Model

EL2211-X1Z	10/100/1000BASE-TX to 1000BASE-SX/LX/BX Media Converter
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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
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

Ordering Information - continued

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