

EL200 / EL210 Series

10/100BASE-TX to 100BASE-BX WDM Media Converter



Overview

The EL200 / EL210 Series provide media conversion between 10/100BASE-T(X) and 100BASE-FX Fiber. Easy plug-and-play design facilitates network infrastructure construction. Through DIP switch selection, Link-Fault-Pass-Through (LFPT) function can be active or disabled.

The EL200 / EL210 series is designed for WDM fiber connection applications. This commercial grade media converter supports EtherWAN EMC1600 chassis system for easy group installation. The EL200 / EL210 are the ideal media converter for enterprise environments.

EtherWAN – “When Connectivity is Crucial”.

Spotlight

• WDM Media Converter

- Supports multi-mode and single mode fiber line with WDM fiber port

• DIP Switch Configurable

- Link-fault-pass-through enable or disable
- Full-duplex or half-duplex of Ethernet port enable or disable
- Full-duplex or half-duplex of fiber port enable or disable

• 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

Hardware Specifications

Technology

Standards

- IEEE802.3 10BASE-T
- IEEE802.3u 100BASE-TX/FX
- IEEE802.3x Full duplex and flow control

Forward and Filtering Rate

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

Packet Buffer Memory

- 128K bits

Processing Type

- Store-and-forward
- Half-duplex back-pressure and IEEE802.3x full-duplex flow control

Power

Input Voltage

- 12VDC

Power Consumption

- 1.92W Max. 0.16A @ 12VDC

Mechanical

Casing

- Aluminum Case

Dimensions

- 80.3mm (W) x 109.2mm (D) x 23.8mm (H)
(3.16" (W) x 4.30" (D) x 0.94" (H))

Weight

- 150g (0.33lb.)

Installation

- Wall mounting or use with EMC1600 media converter chassis system

Interface

Ethernet Port

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

LED Indicators

- Per Unit: Power Status (Power)
- Per Port: 10/100TX: Link/Activity, Full-duplex/Collision, Speed
- Per port 100FX: Link/Activity, Full-duplex/Collision

Environment

Operating Temperature

- 0°C to 45°C (32°F to 113°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

Safety

UL60950-1

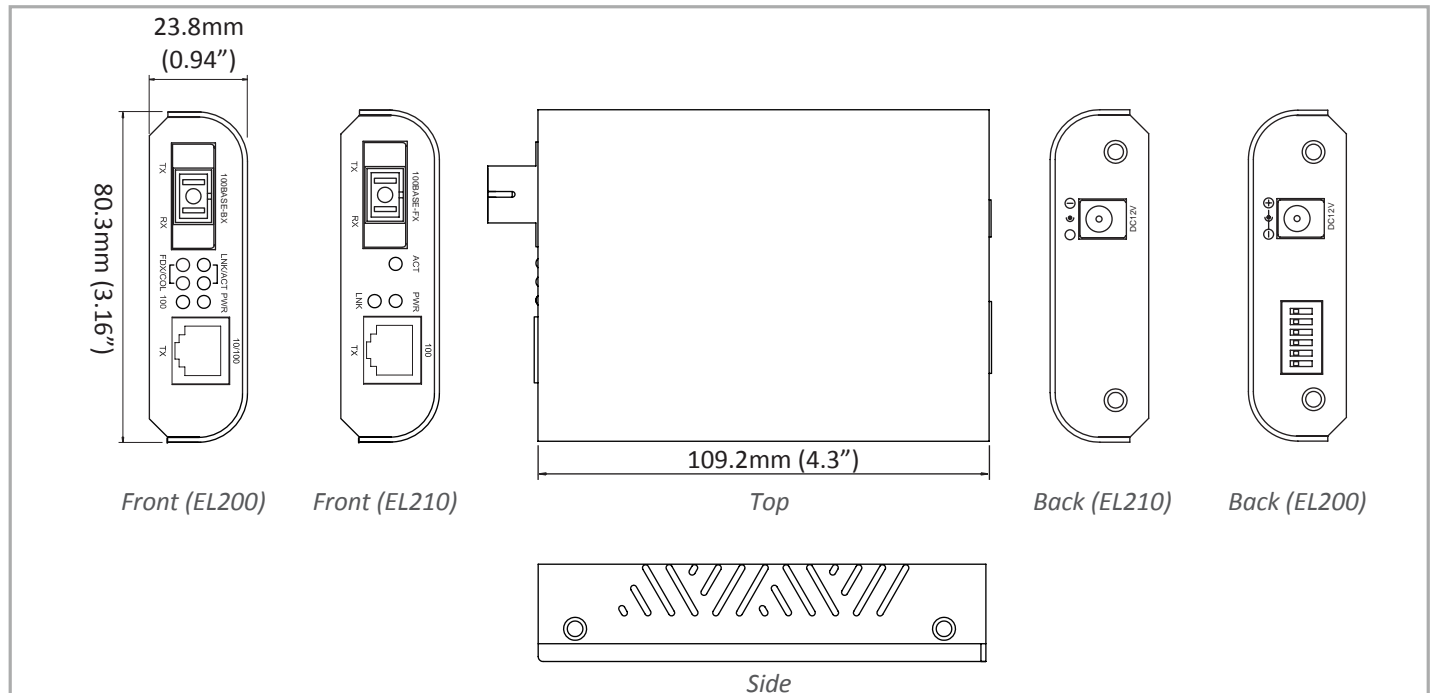
Emission Compliances

CE Mark Class A

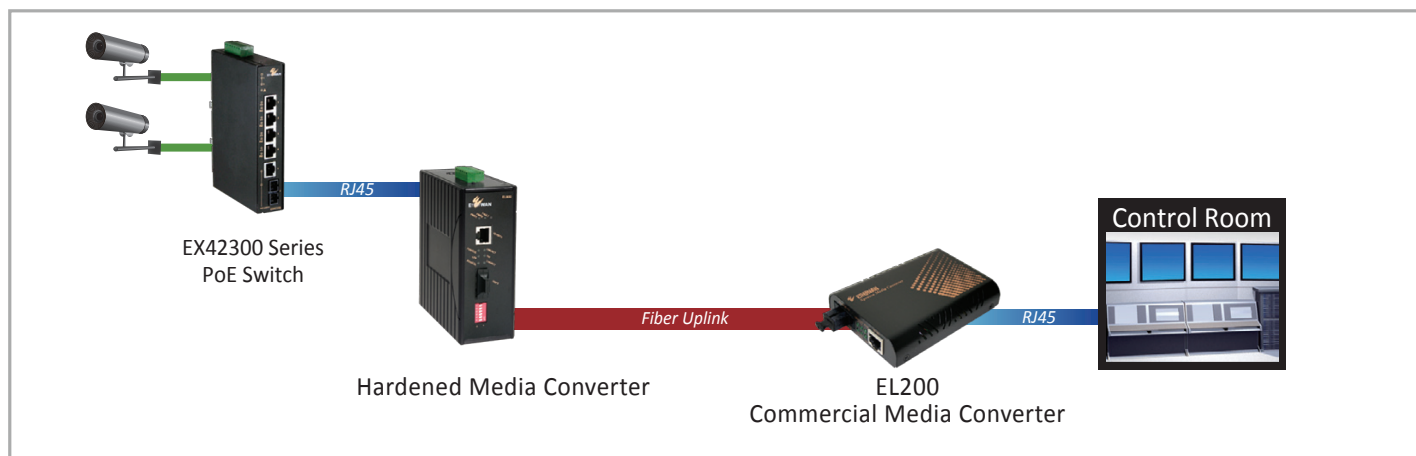
FCC Part 15 Class A

VCCI Class A

Dimensions



Application Diagram



Ordering Information

EL200 Model

EL200CA-2	10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX:1310nm/RX:1550nm -2Km Media Converter
EL200CB-2	10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX:1550nm/RX:1310nm -2Km Media Converter
EL200CA-5	10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX:1310nm/RX:1550nm -5Km Media Converter
EL200CB-5	10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX:1550nm/RX:1310nm -5Km Media Converter
EL200CA-20	10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX:1310nm/RX:1550nm -20Km Media Converter
EL200CB-20	10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX:1550nm/RX:1310nm -20Km Media Converter
EL200CA-40	10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX:1310nm/RX:1550nm -40Km Media Converter
EL200CB-40	10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX:1550nm/RX:1310nm -40Km Media Converter

EL210 Model

EL210CA-2	100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX:1310nm/RX:1550nm -2Km Media Converter
EL210CB-2	100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX:1550nm/RX:1310nm -2Km Media Converter
EL210CA-5	100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX:1310nm/RX:1550nm -5Km Media Converter
EL210CB-5	100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX:1550nm/RX:1310nm -5Km Media Converter
EL210CA-20	100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX:1310nm/RX:1550nm -20Km Media Converter
EL210CB-20	100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX:1550nm/RX:1310nm -20Km Media Converter
EL210CA-40	100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX:1310nm/RX:1550nm -40Km Media Converter
EL210CB-40	100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX:1550nm/RX:1310nm -40Km Media Converter

NOTES :

*EMC1600, proprietary 19" chassis system, can house up to 16 x EL200/EL210 Series Converters

*EMC1600 Chassis System is available separately

*More 100FX fiber options are also available upon request