EL200 Series

Fast Ethernet to Single Strand Fiber Media Converter (WDM)



Overview

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

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

EtherWAN — "When Connectivity is Crucial."

Highlights

WDM Media Converter

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

DIP Switch Configurable

Store-and-forward mode or converter mode selectable (default: store-and-forward mode)

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 lets network operators be aware of network connection status

If a link fails, the LFPT function will notify the connected device and disable the connection

Specifications

Interface

Ethernet Port

10/100BASE-TX: 1 port

100BASE-FX: 1 port

LED Indicators

Per Unit: Power

Per Port: 10/100TX: Link/Activity, Full duplex/Collision, Speed

Per Port 100FX: Link/Activity, Full duplex/Collision

Technology

Standards

IEEE 802.3 10BASE-T

IEEE 802.3u 100BASE-TX/FX

IEEE 802.3x Full duplex and flow control

Forward/Filtering Rate

14,880pps for 10Mbps

148,810pps for 100Mbps

Processing Type

Converter mode

Store-and-Forward mode

Half-duplex back-pressure and IEEE 802.3x full-duplex flow control

Auto MDI/MDIX

Environmental

Operating Temp.

0 to 45°C (32 to 113°F)

Storage Temp.

-10 to 70°C (-14 to 158°F)

Relative Humidity

5% to 95% (non-condensing)

Regulatory

ISO

Manufactured in ISO-9001 facility

Safety

UL 62368-1

Emission Compliance

CE Mark Class A

FCC Part 15B Class A

VCCI Class A

Power

Input

12VDC

Power Consumption

1.92W max. 0.16A@12VDC

Physical

Casing Material

Aluminum

Dimensions

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

Weight

0.15kg (0.33lbs)

Installation Type

Wall mounting, or in EMC1600 Chassis System

Warranty

Length

Limited Lifetime

Details

www.etherwan.com/support/warranty-policy

What's Included

Device

Media Converter

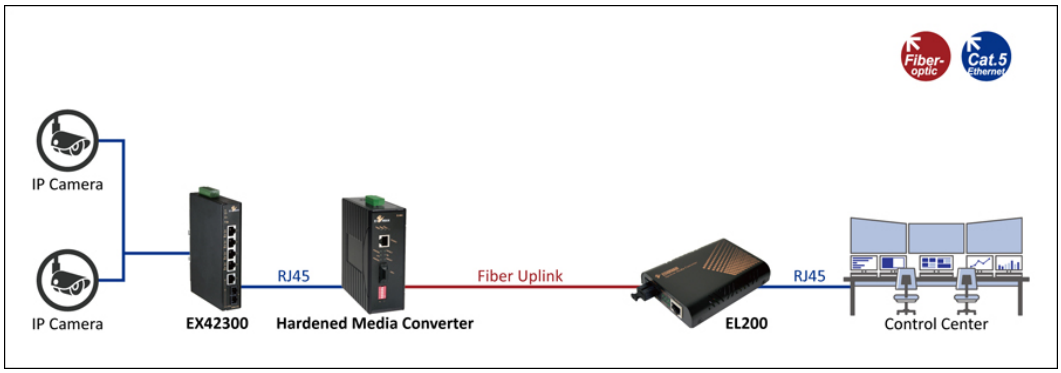
Power

12VDC Power Adapter

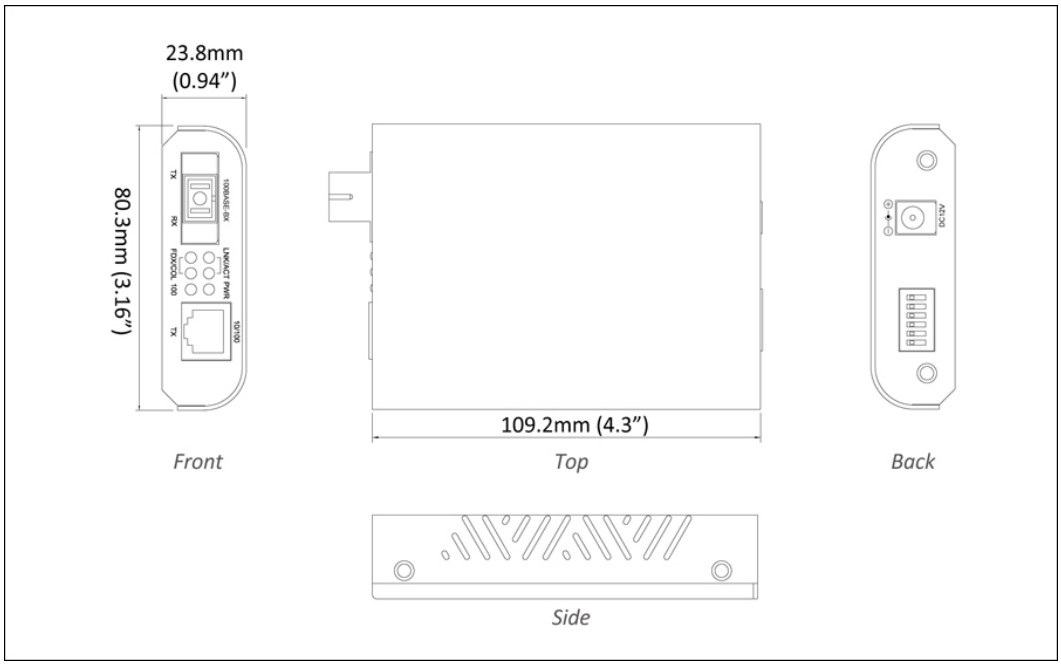
Documentation

Quick Install Guide

Application



Dimensions



Ordering Info

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

* EMC1600, proprietary 19" chassis system, can house up to 16 x EL200 Series Converters.
* EMC1600 Chassis System is available separately.
* More 100FX fiber options are also available upon request.

Accessories

Multiple Channel Chassis	www.etherwan.com/products/media-converters/multiple-channel-media-converters

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