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
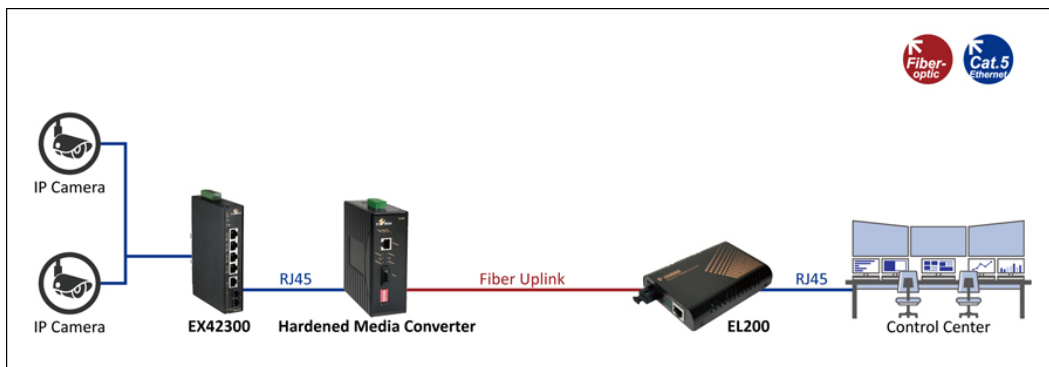
Details
www.etherwan.com/support/warranty-policy

+ What's Included

Device
Media Converter

Power
12VDC Power Adapter

Documentation
Quick Install Guide

Application

Dimensions

Front

Top

Back

Side

23.8mm (0.94")

80.3mm (3.16")

109.2mm (4.3")
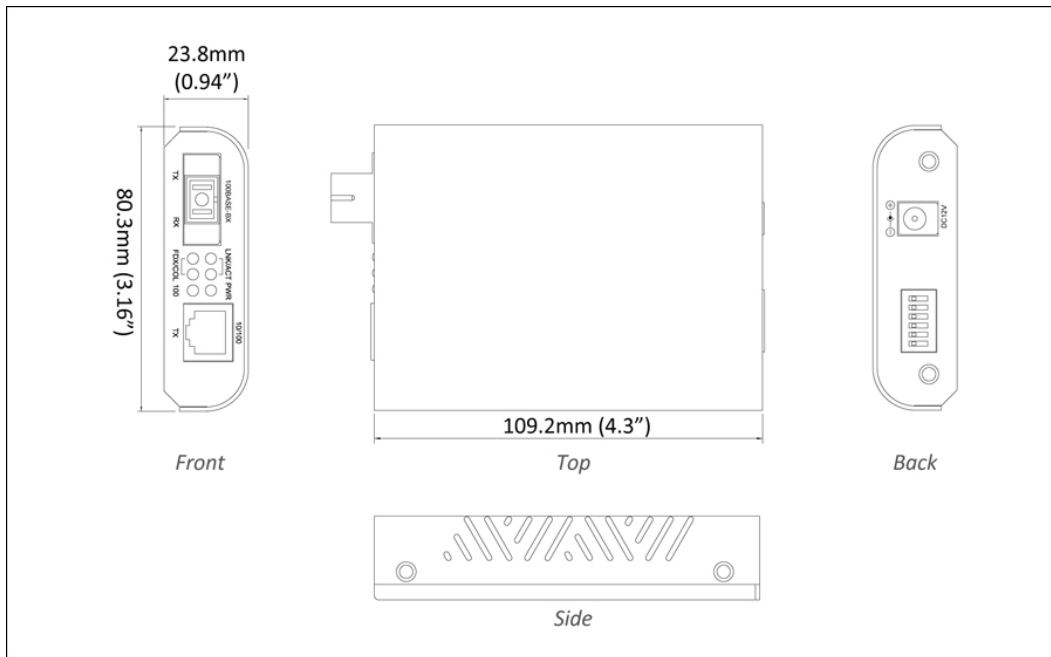
Ordering Info

✚ 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