

EL100 Series

Fast Ethernet to Fiber Media Converter



Overview

The EL100 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. User can choose between store-and-forward mode and converter mode through DIP switch selection. The EL100 series is designed for SC or ST fiber connection applications. The commercial grade media converter supports EtherWAN EMC1600 chassis system for easy group installation. The EL100 is the ideal media converter for enterprise environments.

EtherWAN — "When Connectivity is Crucial."

Highlights

+ Fiber Media Converter

Supports multi-mode and single mode fiber with SC or ST connector options

+ 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

Packet Buffer Memory

128K bits

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

+ Warranty

Length

Limited Lifetime

Details

www.etherwan.com/support/warranty-policy

+ 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

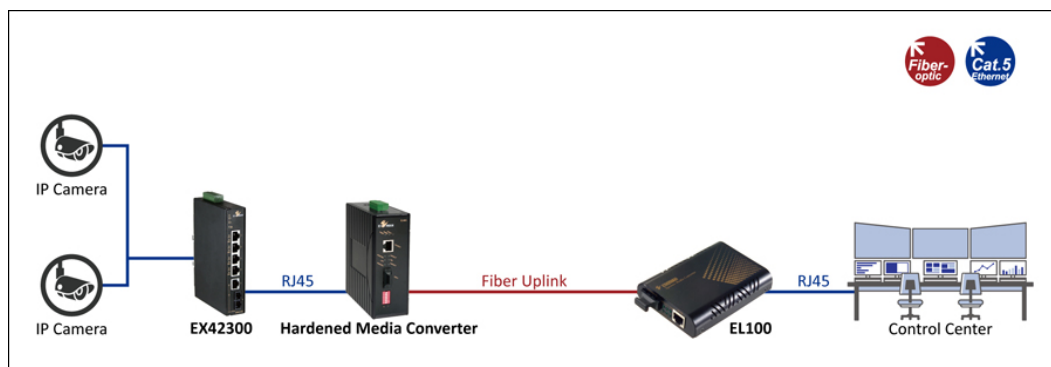
+ What's Included

Device
Media Converter

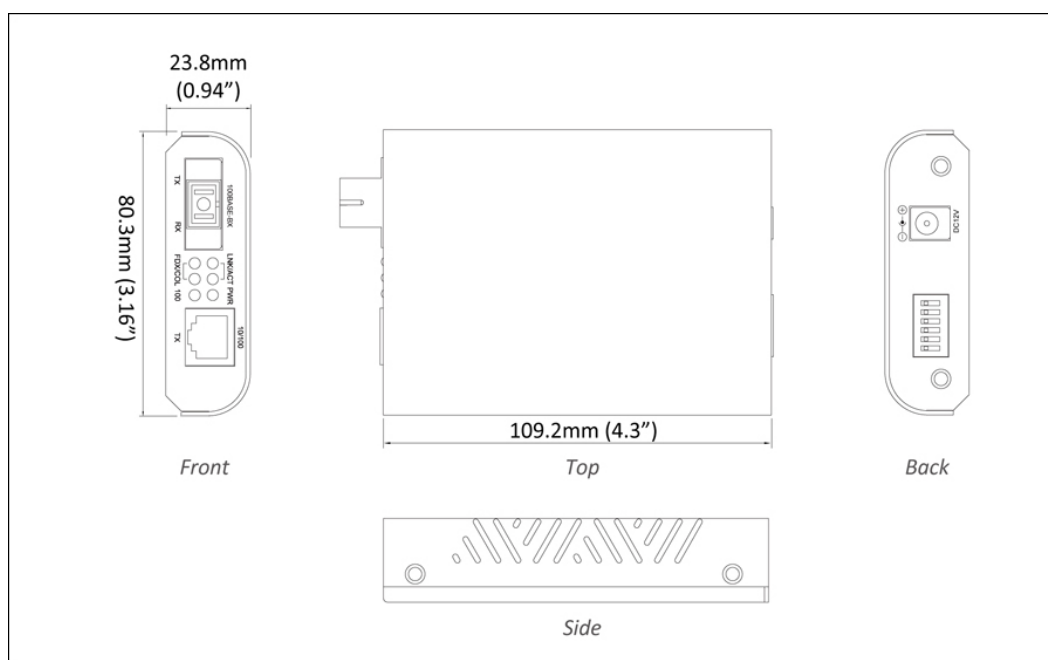
Power
12VDC Power Adapter

Documentation
Quick Install Guide

Application



Dimensions



Ordering Info

+ Model

EL100C	10/100BASE-TX to 100BASE-FX Multi Mode (SC) 2Km Media Converter (1310nm, 62.5/125 and 50/125mm)
EL100L	10/100BASE-TX to 100BASE-FX Multi Mode (SFF Dual LC) 2Km Media Converter (1310nm)
EL100T	10/100BASE-TX to 100BASE-FX Multi Mode (ST) 2Km Media Converter (1310nm, 62.5/125 and 50/125mm)
EL100C-20	10/100BASE-TX to 100BASE-FX Single Mode (SC) - 20Km Media Converter (1310nm)
EL100L-20	10/100BASE-TX to 100BASE-FX Single Mode (SFF Dual LC) - 20Km Media Converter (1310nm)
EL100T-20	10/100BASE-TX to 100BASE-FX Single Mode (ST) - 20Km Media Converter (1310nm)
EL100C-40	10/100BASE-TX to 100BASE-FX Single Mode (SC) - 40Km Media Converter (1310nm)

* EMC1600, proprietary 19" chassis system, can house up to 16 x EL100 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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