EL100 Series

10/100BASE-TX to 100BASE-FX Media Converter



Overview

The EL100 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 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

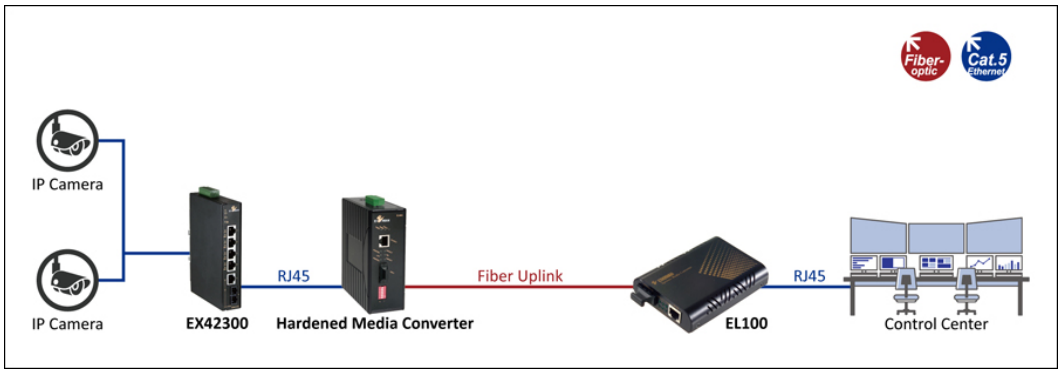
Power

12VDC Power Adapter

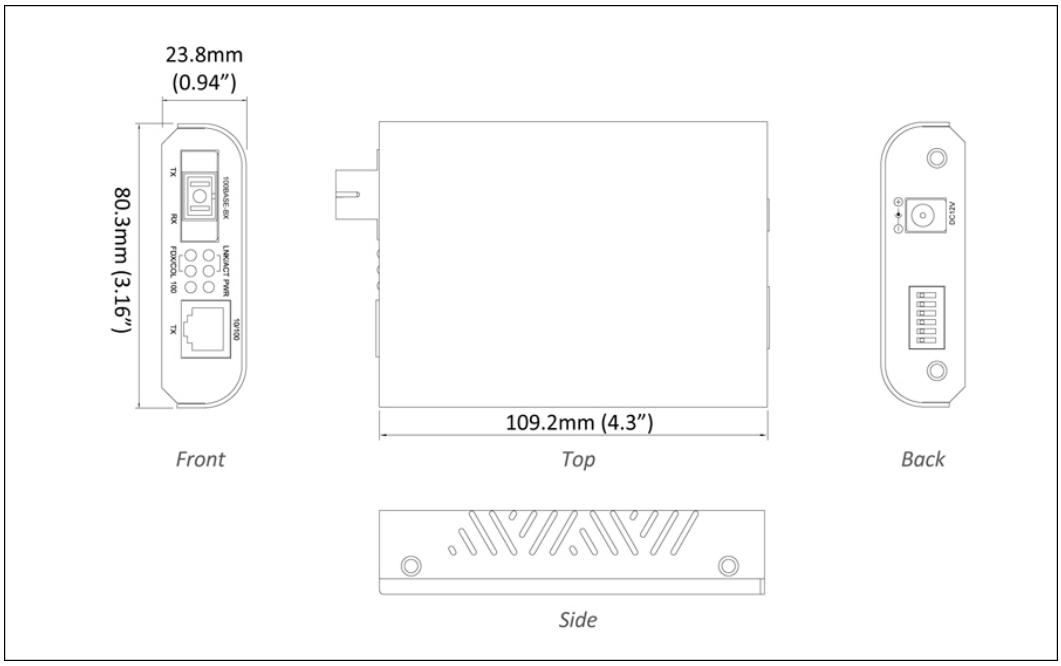
Documentation

Quick Install Guide

Application



Dimensions



Ordering Info

Model

	EL100C	EL100L	EL100T	EL100C-20	EL100L-20	EL100T-20	EL100C-40
10/100BASE T(X)	1	1	1	1	1	1	1
100BASE-FX	1	1	1	1	1	1	1
Fiber Type	Multi Mode	Multi Mode	Multi Mode	Single Mode	Single Mode	Single Mode	Single Mode
Connector	SC	SFF Dual LC	ST	SC	SFF Dual LC	ST	SC
Distance	2Km	2Km	2Km	20Km	20Km	20Km	40Km
Wavelength	1310nm	1310nm	1310nm	1310nm	1310nm	1310nm	1310nm
	Quote	Quote	Quote	Quote	Quote	Quote	Quote

* 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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