

# 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](http://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

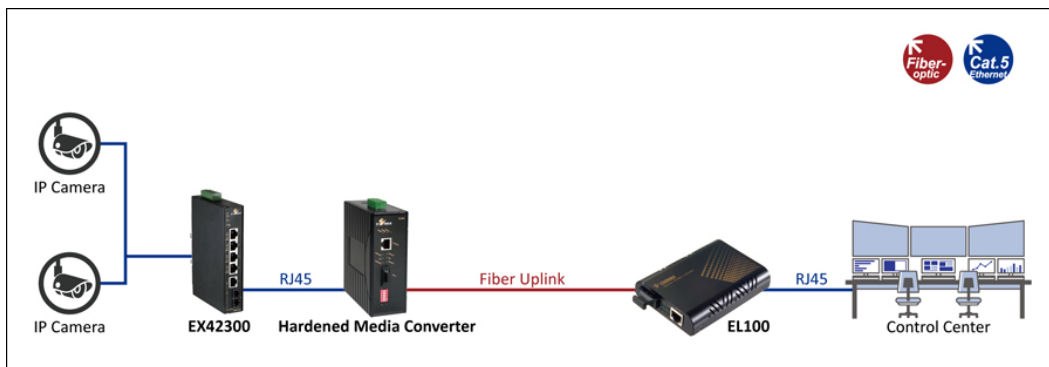
## + What's Included

**Device**  
Media Converter

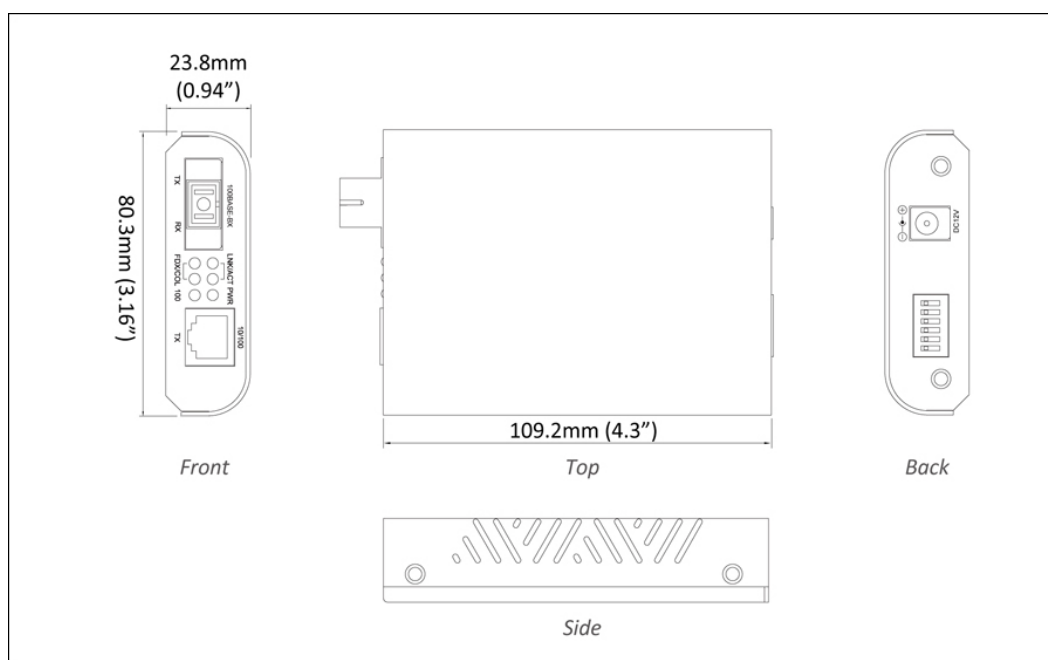
**Power**  
12VDC Power Adapter

**Documentation**  
Quick Install Guide

## Application



## Dimensions



## Ordering Info

### + Model

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

<b>Multiple Channel Chassis</b>	<a href="http://www.etherwan.com/products/media-converters/multiple-channel-media-converters">www.etherwan.com/products/media-converters/multiple-channel-media-converters</a>
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