

# EL100 Series

Fast Ethernet to Fiber Media Converter



## 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

## 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."

## 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

### + 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

### + 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)

### + What's Included

**Device**  
Media Converter

**Power**  
12VDC Power Adapter

**Documentation**  
Quick Install Guide



## 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

**Multiple Channel Chassis** [www.etherwan.com/products/media-converters/multiple-channel-media-converters](http://www.etherwan.com/products/media-converters/multiple-channel-media-converters)

