EL100 Series

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

Product Highlights

➔ Fiber Media Converter

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

➔ DIP Switch Configurable

- 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.

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.

Ordering Information

Model

EL100C	10/100BASE-TX to 100BASE-FX Multi Mode (SC) 2Km Media Converter (1310nm, 62.5/125 and 50/125mm)
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)
EL100T-20	10/100BASE-TX to 100BASE-FX Single Mode (ST) - 20Km Media Converter (1310nm)
EL100L-20	10/100BASE-TX to 100BASE-FX Single Mode (SFF Dual LC) - 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 EL200 Series Converters.
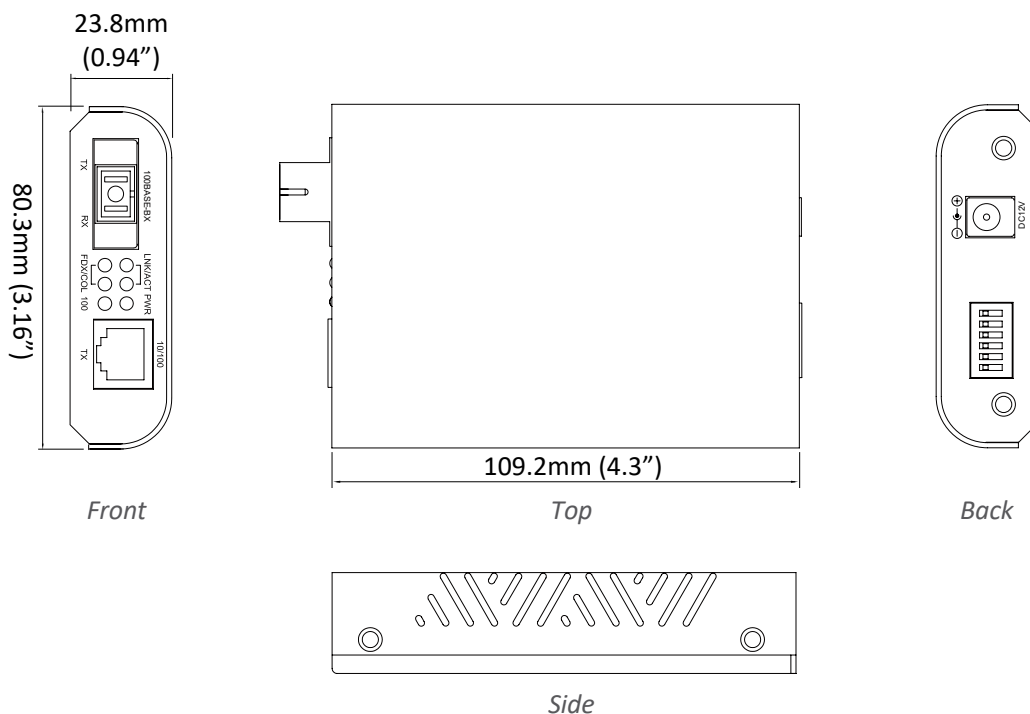* EMC1600 Chassis System is available separately.
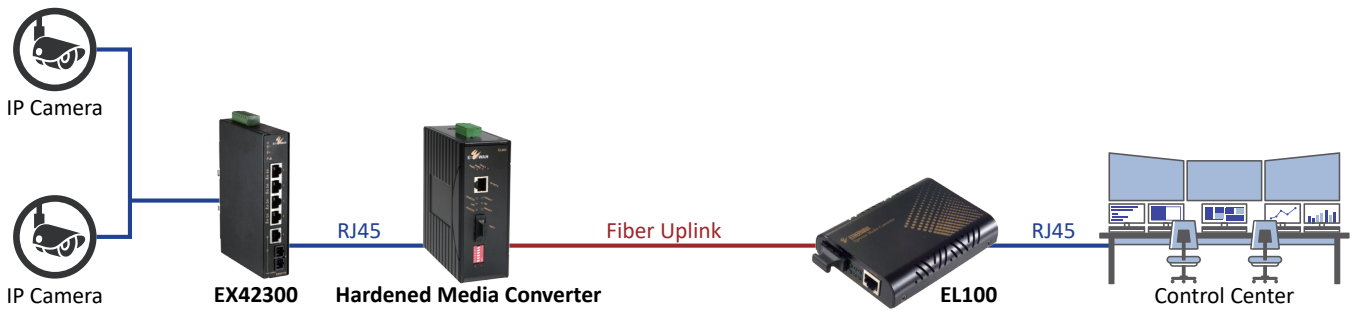* More 100FX fiber options are also available upon request.

Hardware 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	Store-and-Forward 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 60950-1
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

What's Included +

Device	Media Converter
Power	12VDC Power Adapter
Documentation	Quick Install Guide

Dimensions

Front

Top

Back

Side

Application

IP Camera

IP Camera

EX42300 RJ45 **Hardened Media Converter** Fiber Uplink **EL100** RJ45 Control Center

Accessories

Multiple Channel Chassis	+

www.etherwan.com/products/media-converters/multiple-channel-media-converters

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