



EtherWAN

migrate-ed9.hellosanta.tw/products/el100-series EL100 Series

EL100 Series

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





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

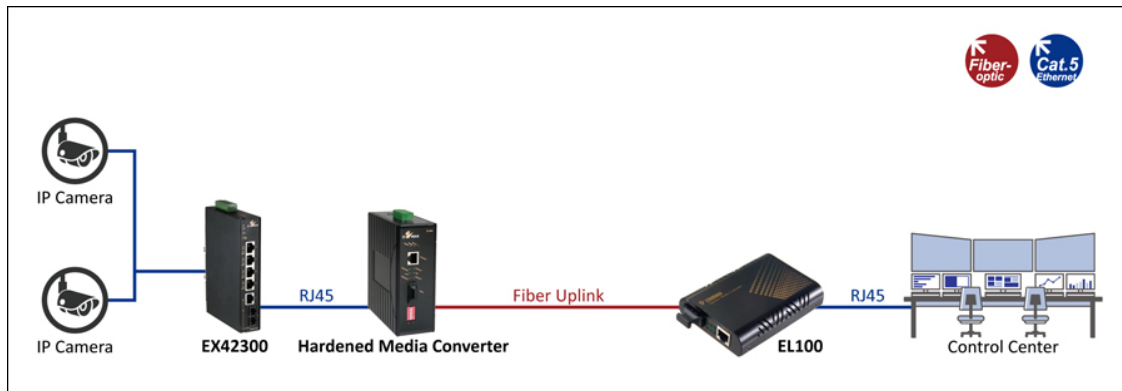
- Length
 - Limited Lifetime
- Details
 - www.etherwan.com/support/warranty-policy

What's Included

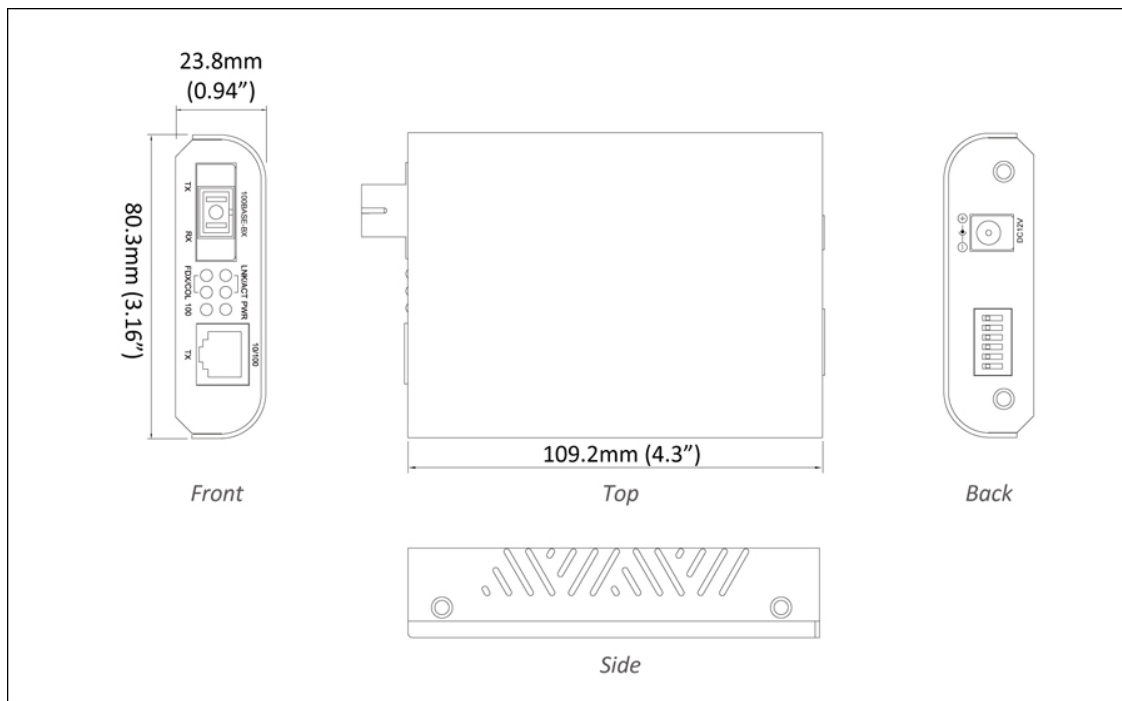
- Device
 - Media Converter
- Power

- 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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