Overview

The EtherWAN EL100 Series Media Converters are high quality, affordable products for use with fibre optic cabling deployment. EtherWAN's series is one of the most complete solutions in media conversion. The series are available with a selection of fibre connector options and modes. The EL100 is the most functional media converter on the market. The RJ-45 port on this unit is dual speed 10/100Mbps with half/full duplex auto sensing. Better than a regular converter, the EL100 has switching capabilities that are able to filter traffic and record MAC addresses.
The whole series comes in desktop kits, which are wall mountable and also mountable into EtherWAN's 16 bay 19" EMC1600 chassis.

Features

- 768K bits buffer memory
- DIP switch configuration for "Link-Fault-Pass-Through", speed, Duplex mode
- 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- Full wire-speed forwarding rate
- 12VDC external universal PSU
- 0°C to 45°C (32°F to 113°F) operating temperature range
- Aluminium case
- Supports Wall Mounting installation or expansion use with
- EMC1600 media converter chassis system

Ordering Information

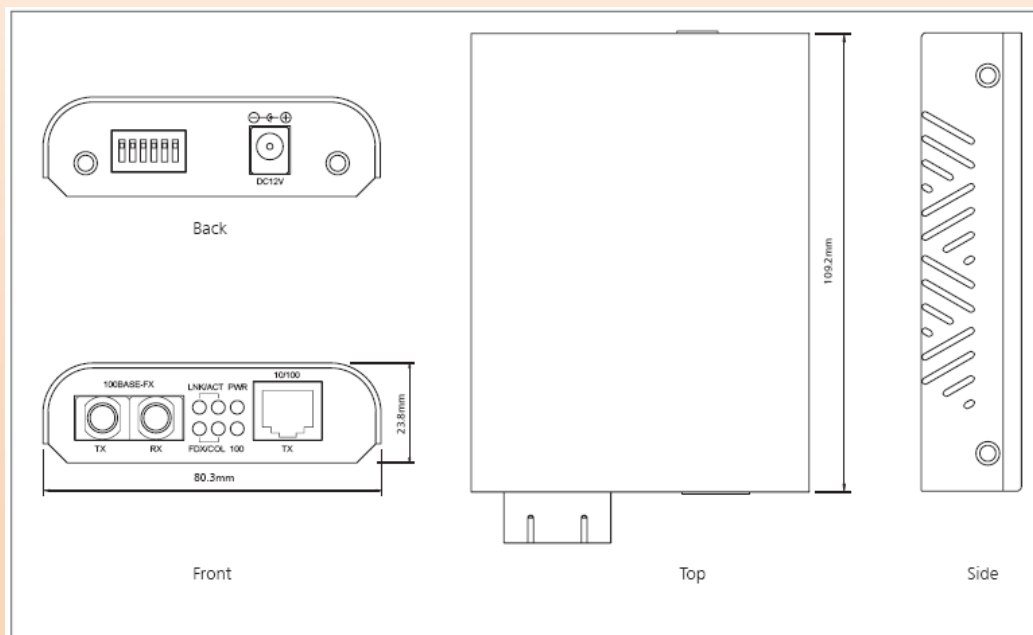|	
EL100C	10/100BASE-TX to 100BASE-FX Multi Mode (SC) Media Converter
EL100T	10/100BASE-TX to 100BASE-FX Multi Mode (ST) Media Converter
EL100C-20	10/100BASE-TX to 100BASE-FX Single Mode (SC) -20 Km Media Converters
EL100T-20	10/100BASE-TX to 100BASE-FX Single Mode (ST) -20 Km Media Converters
EL100C-40	10/100BASE-TX to 100BASE-FX Single Mode (SC) -40 Km Media Converters
EL110C	100BASE-TX to 100BASE-FX Multi Mode (SC) Media Converter
EL110T	100BASE-TX to 100BASE-FX Multi Mode (ST) Media Converter
EL110C-20	100BASE-TX to 100BASE-FX Single Mode (SC) -20 Km Media Converters
EL110T-20	100BASE-TX to 100BASE-FX Single Mode (ST) -20 Km Media Converters
EL110C-40	100BASE-TX to 100BASE-FX Single Mode (SC) -40 Km Media Converters

NOTES:
*EMC1600, proprietary 19" chassis system, can house up to 16xEL100/EL110 Series Converters.
*EMC1600 Chassis System is available separately.
*More 100FX fibre options are also available upon request

Diagrams

Back

Front

Top

Side

Specifications

Technology

Standards:
- IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/100BASE-FX, IEEE802.3x

Forward and Filtering Rate:
- 14,880pps for 10Mbps
- 148,810pps for 100Mbps

Packet Buffer Memory:
- 768K bits

Processing Type:
- Store-and-Forward
- Half-duplex back-pressure and IEEE802.3x full-duplex flow control

Power

Input:
- Input Voltage: 12VDC

Power Consumption:
- 1.92W Max. 0.16A@12VDC

Mechanical

Casing:
- Aluminium case

Dimensions:
- 80.3mm (W) x 109.2mm (D) x 23.8mm (H)
  (3.16" (W) x 4.30" (D) x 0.94" (H))

Weight:
- 150g (0.33lb.)

Installation:
- Wall Mounting or use with EMC1600 media converter chassis sys

Interface

Ethernet Port:
- 10/100BASE-TX: 1 port
- 100BASE-FX: 1 port

LED Indicators:
- Per Unit: Power Status (Power)
- Per Port: 10/100TX: Link/Activity, Full-duplex/Collision, Speed
           100FX: Link/Activity, Full-duplex/Collision

Environment

Operating Temperature:
- 0°C to 45°C (32°F to 113°F)

Storage Temperature:
- -10°C to 70°C (14°F to 158°F)

Ambient Relative Humidity:
- 5% to 95% (non-condensing)

Regulatory Approvals

ISO:
- Manufactured in an ISO9001 facility.

Safety:
- UL60950-1

Emission Compliance:
- CE Mark Class A, FCC Part 15 Class A , VCCI Class A.

EMC1600
16-Bay Media Converter Chassis