

Overview



In response to the increase of fibre optics cabling deployment, EtherWAN offers a Media Converter Series as an affordable solution to migration from copper to fibre optics cabling. EtherWAN's EL150 Series is one of the most complete solutions in media conversion. The EL150 is available with a selection of fibre connector options. The EL150 has easy to read LEDs that detect Power, Link, Activity, Duplex mode, and Collision status. The RJ-45 port on this unit auto negotiates 10/100Mbps and Half/Full Duplex and auto-MDIX. Better than regular converters, the EL150 has switch capabilities, it is able to filter broadcast storm and MAC addresses. In addition, this unit can be managed via SNMP, Web-based, and Telnet. By sending a mail-trap or SNMP-trap, the network administrator can be informed of any alarm generating event.

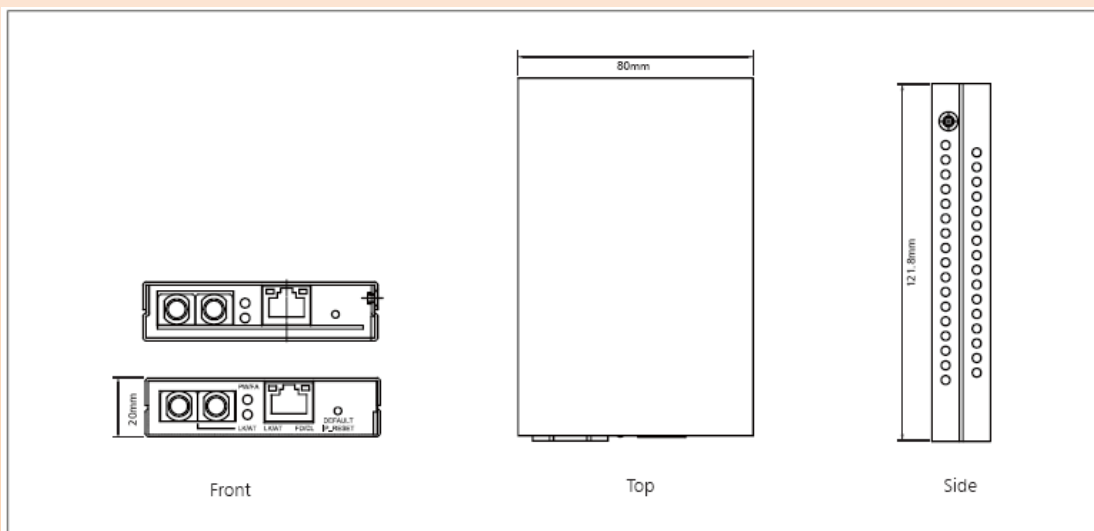
Features

- Provides MAC address filtering
- Alarm by Mail-Trap and SNMP-Trap
- Telnet, SNMP V1 & V2 and Web Browser Management
- Enterprise MIB
- One push button to reset the Managed Media Converter to default IP address
- 256K bits buffer memory
- 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 Desktop installation

Ordering Information

EL150C	Managed 10/100BASE-TX to 100BASE-FX Multi Mode (SC) Media Converter
EL150T	Managed 10/100BASE-TX to 100BASE-FX Multi Mode (ST) Media Converter
EL150C-20	Managed 10/100BASE-TX to 100BASE-FX Single Mode (SC) -20Km Media Converter
EL150T-20	Managed 10/100BASE-TX to 100BASE-FX Single Mode (ST) -20Km Media Converter
EL150A-40	Managed 10/100BASE-TX to 100BASE-FX Single Mode (SC) -40Km Media Converter
EL150CA-2	Managed 10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX: 1310nm/RX: 1550nm 2Km Media Converter
EL150CB-2	Managed 10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX: 1550nm/RX: 1310nm 2Km Media Converter
EL150CA-5	Managed 10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX: 1310nm/RX: 1550nm 5Km Media Converter
EL150CB-5	Managed 10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX: 1550nm/RX: 1310nm 5Km Media Converter
EL150CA-20	Managed 10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX: 1310nm/RX: 1550nm -20 Km Media Converters
EL150CB-20	Managed 10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX: 1550nm/RX: 1310nm -20 Km Media Converters
EL150CA-40	Managed 10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX: 1310nm/RX: 1550nm -40 Km Media Converters
EL150CB-40	Managed 10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX: 1550nm/RX: 1310nm -40 Km Media Converters

Diagrams



Specifications

Technology

Standards:

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

Protocols:

- SNMP V1/V2, TFTP RFC 783, IP RFC 791, ICMP RFC 792, TCP RFC 793,
- SMTP RFC 821, Telnet RFC 854, HTTP RFC 2068

Forward and Filtering Rate:

- 14,880pps for 10Mbps
- 148,810pps for 100Mbps

Packet Buffer Memory:

- 256K bits

Processing Type:

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

Power

Input:

- Input Voltage: 12VDC

Power Consumption:

- 3.24W Max. 0.27A@12VDC

Mechanical

Casing:

- Aluminum case

Dimensions:

- 80mm (W) x 121.8mm (D) x 20mm (H)
(3.15" (W) x 4.81" (D) x 0.79" (H))

Weight:

- 150g (0.33lb.)

Installation:

- Desktop

Interface

Ethernet Port:

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

LED Indicators:

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

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)

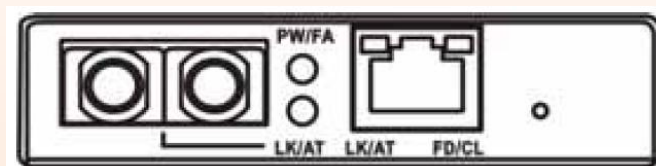
Regulatory Approvals

ISO:

- Manufactured in an ISO9001 facility.

Emission Compliance:

- CE Mark Class A, FCC Part 15 Class A, VCCI Class A.



Web Managed Media Converter

