

Overview



The EL150A series features built-in operations, administration and maintenance (OAM) with IEEE 802.3ah OAM standard, including fault detection, performance monitoring and remote loopback. The models with fixed-fibre connectors are available with multimode (MM) dual fibre, single-mode (SM) dual fibre and single-mode single-fibre (SF) options. The distance can be as far as 2Km over MM fibre and 100km over SM fibre. The RJ-45 port on this unit auto negotiates 10/100Mbps and Half/Full Duplex and auto-MDIX. Better than a regular converter, the EL150A 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 mail-trap or SNMP-trap, the network administrator can be informed any alarm generating event and the Last Gasp allows sending out a management alert before shutting down in the event of power loss.

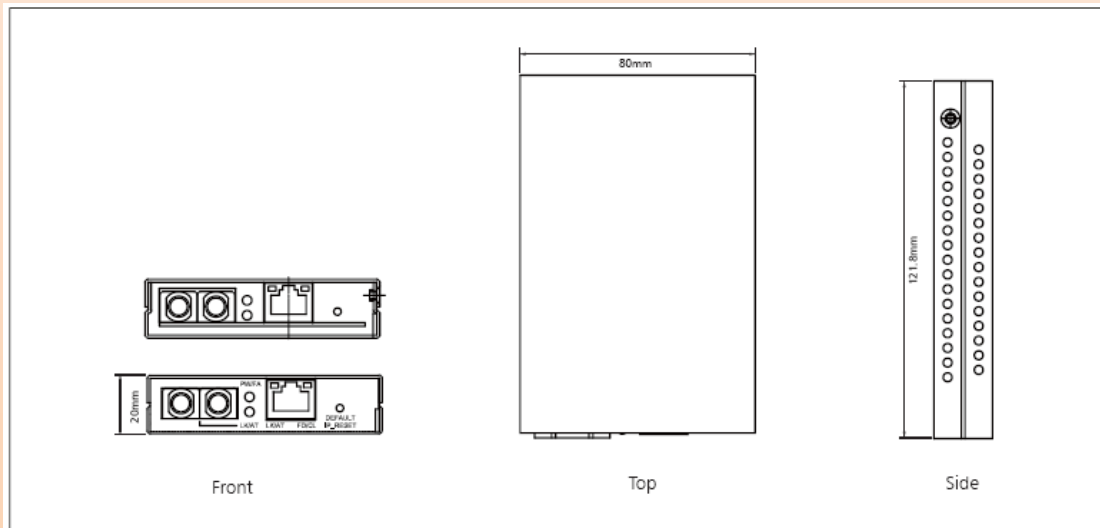
Features

- IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX/FX
- Complied with IEEE 802.3 ah OAM CPE standard
- Supports Q in Q double tagged frame transparent
- Supports IN-BAND Loop Back and Diagnostic
- Provides MAC address filtering
- Alarm by Mail-Trap, SNMP-Trap
- Telnet, SNMP V1 & V2 and Web Browser Management
- Enterprise MIB
- Supports Dying Gasp (Power Loss Trap)
- 256K bits buffer memory
- 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- Full wire-speed forwarding rate

Ordering Information

EL150AC	Managed 10/100BASE-TX to 100BASE-FX Multi Mode (SC) Media Converter
EL150AT	Managed 10/100BASE-TX to 100BASE-FX Multi Mode (ST) Media Converter
EL150AC-20	Managed 10/100BASE-TX to 100BASE-FX Single Mode (SC) -20Km Media Converter
EL150AT-20	Managed 10/100BASE-TX to 100BASE-FX Single Mode (ST) -20Km Media Converter
EL150CA-40	Managed 10/100BASE-TX to 100BASE-FX Single Mode (SC) -40Km Media Converter
EL150ACA-2	Managed 10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX: 1310nm/RX: 1550nm 2Km Media Converter
EL150ACB-2	Managed 10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX: 1550nm/RX: 1310nm 2Km Media Converter
EL150ACA-5	Managed 10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX: 1310nm/RX: 1550nm 5Km Media Converter
EL150ACB-5	Managed 10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX: 1550nm/RX: 1310nm 5Km Media Converter
EL150ACA-20	Managed 10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX: 1310nm/RX: 1550nm -20Km Media Converter
EL150ACB-20	Managed 10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX: 1550nm/RX: 1310nm -20Km Media Converter
EL150ACA-40	Managed 10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX: 1310nm/RX: 1550nm -40Km Media Converter
EL150ACB-40	Managed 10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX: 1550nm/RX: 1310nm -40Km Media Converter

Diagrams



Specifications

Standards:

- IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/100BASE-FX, IEEE802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.3ah

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, RMON

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

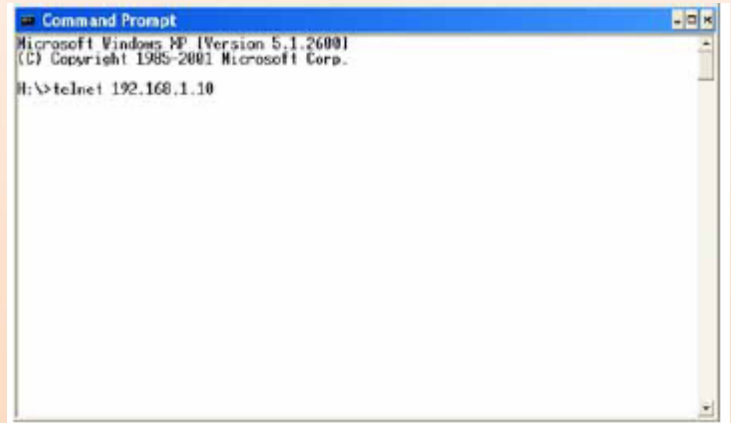
ISO:

- Manufactured in an ISO9001 facility.

Emission Compliance:

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

Telnet Configuration



Web Configuration

