

EL50 Series

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

Value

- › Extreme compact size for space constrained application



Features

- › Supports Link-Fault-Pass-Through
- › 768K bits buffer memory
- › 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- › Full wire-speed forwarding rate
- › Packed with 12VDC external PSU
- › 0°C to 45°C (32°F to 113°F) operating temperature range
- › Metal case

Ordering Information

EL50T	10/100BASE-TX to 100BASE-FX Multi Mode (ST) Media Converter
EL50C	10/100BASE-TX to 100BASE-FX Multi Mode (SC) Media Converter
EL50T-20	10/100BASE-TX to 100BASE-FX Single Mode (ST) - 20Km Media Converter
EL50C-20	10/100BASE-TX to 100BASE-FX Single Mode (SC) - 20Km Media Converter
EL50C-40	10/100BASE-TX to 100BASE-FX Single Mode (SC) - 40Km Media Converter
EL50CA-2	10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX:1310nm/RX:1550nm - 2Km Media Converter
EL50CB-2	10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX:1550nm/RX:1310nm - 2Km Media Converter
EL50CA-5	10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX:1310nm/RX:1550nm - 5Km Media Converter
EL50CB-5	10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX:1550nm/RX:1310nm - 5Km Media Converter
EL50CA-20	10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX:1310nm/RX:1550nm - 20Km Media Converter
EL50CB-20	10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX:1550nm/RX:1310nm - 20Km Media Converter
EL50CA-40	10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX:1310nm/RX:1550nm - 40Km Media Converter
EL50CB-40	10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX:1550nm/RX:1310nm - 40Km Media Converter

NOTES :

*More 100FX fiber options are also available upon request

Specifications

Technology	
Standards	<ul style="list-style-type: none"> • IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/100BASE-FX
Forward and Filtering Rate	<ul style="list-style-type: none"> • 14,880pps for 10Mbps • 148,810pps for 100Mbps
Packet Buffer Memory	<ul style="list-style-type: none"> • 768K bits
Processing Type	<ul style="list-style-type: none"> • Store-and-Forward

Power	
Input	<ul style="list-style-type: none"> • Input Voltage: 12VDC
Power Consumption	<ul style="list-style-type: none"> • 1.92W Max. 0.16A @ 12VDC

Mechanical	
Casing	<ul style="list-style-type: none"> • Metal case
Dimensions	<ul style="list-style-type: none"> • 54.2mm (W) x 80.3mm (D) x 21.9mm (H) (2.13" (W) x 3.16" (D) x 0.86" (H))
Weight	<ul style="list-style-type: none"> • 140g (0.31lb.)
Installation	<ul style="list-style-type: none"> • Desktop

Interface	
Ethernet Port	<ul style="list-style-type: none"> • 10/100BASE-TX: 1 port • 100BASE-FX: 1 port
LED Indicators	<ul style="list-style-type: none"> • Per Port: 10/100TX: Link/Activity 100FX: Link/Activity

Environment	
Operating Temperature	<ul style="list-style-type: none"> • 0°C to 45°C (32°F to 113°F)
Storage Temperature	<ul style="list-style-type: none"> • -10°C to 70°C (14°F to 158°F)
Ambient Relative Humidity	<ul style="list-style-type: none"> • 5% to 95% (non-condensing)

Regulatory Approvals	
ISO	<ul style="list-style-type: none"> • Manufactured in an ISO9001 facility
Emission Compliance	<ul style="list-style-type: none"> • CE Mark Class A • FCC Part 15 Class A • VCCI Class A

Diagrams

Unit: mm

