

# EL100 Series

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



## Value

- › Supports chassis system installation for easy management and power redundancy accomplishment
- › Flexible dip-switch for Ethernet connection configuration

## Features

- › 128K 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
- › Packed with 12VDC external PSU
- › 0°C to 45°C (32°F to 113°F) operating temperature range
- › Aluminum case
- › Supports Wall Mounting installation or use with EMC1600 media converter chassis system

## Ordering Information

EL100C	10/100BASE-TX to 100BASE-FX Multi Mode (SC) 2Km Media Converter (1310nm)
EL100T	10/100BASE-TX to 100BASE-FX Multi Mode (ST) 2Km Media Converter (1310nm)
EL100C-20	10/100BASE-TX to 100BASE-FX Single Mode (SC) - 20Km Media Converter (1310nm)
EL100T-20	10/100BASE-TX to 100BASE-FX Single Mode (ST) - 20Km Media Converter (1310nm)
EL100L-20	10/100BASE-TX to 100BASE-FX Single Mode (SFF Dual LC) - 20Km Media Converter (1310nm)
EL100C-40	10/100BASE-TX to 100BASE-FX Single Mode (SC) - 40Km Media Converter (1310nm)
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) - 20Km Media Converter (1310nm)
EL110T-20	100BASE-TX to 100BASE-FX Single Mode (ST) - 20Km Media Converter (1310nm)
EL110C-40	100BASE-TX to 100BASE-FX Single Mode (SC) - 40Km Media Converter (1310nm)

### NOTES :

\*EMC1600, proprietary 19" chassis system, can house up to 16xEL100/EL110 Series Converters

\*EMC1600 Chassis System is available separately

\*More 100FX fiber options are also available upon request

# Specifications

Technology	
Standards	<ul style="list-style-type: none"> <li>IEEE802.3 10BASE-T,</li> <li>IEEE802.3u 100BASE-TX/100BASE-FX, IEEE802.3x</li> </ul>
Forward and Filtering Rate	<ul style="list-style-type: none"> <li>14,880pps for 10Mbps</li> <li>148,810pps for 100Mbps</li> </ul>
Packet Buffer Memory	<ul style="list-style-type: none"> <li>128K bits</li> </ul>
Processing Type	<ul style="list-style-type: none"> <li>Store-and-Forward</li> <li>Half-duplex back-pressure and IEEE802.3x Full-duplex flow control</li> </ul>
Power	
Input	<ul style="list-style-type: none"> <li>Input Voltage: 12VDC</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>1.92W Max. 0.16A @ 12VDC</li> </ul>
Mechanical	
Casing	<ul style="list-style-type: none"> <li>Aluminum case</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>80.3mm (W) x 109.2mm (D) x 23.8mm (H)</li> <li>(3.16" (W) x 4.30" (D) x 0.94" (H))</li> </ul>
Weight	<ul style="list-style-type: none"> <li>150g (0.33lb.)</li> </ul>
Installation	<ul style="list-style-type: none"> <li>Wall Mounting or use with EMC1600 media converter chassis system</li> </ul>

Interface	
Ethernet Port	<ul style="list-style-type: none"> <li>10/100BASE-TX: 1 port</li> <li>100BASE-FX: 1 port</li> </ul>
LED Indicators	<ul style="list-style-type: none"> <li>Per Unit: Power Status (Power)</li> <li>Per Port: 10/100TX: Link/Activity, Full-duplex/Collision, Speed</li> <li>100FX: Link/Activity, Full-duplex/Collision</li> </ul>
Environment	
Operating Temperature	<ul style="list-style-type: none"> <li>0°C to 45°C (32°F to 113°F)</li> </ul>
Storage Temperature	<ul style="list-style-type: none"> <li>-10°C to 70°C (14°F to 158°F)</li> </ul>
Ambient Relative Humidity	<ul style="list-style-type: none"> <li>5% to 95% (non-condensing)</li> </ul>
Regulatory Approvals	
ISO	<ul style="list-style-type: none"> <li>Manufactured in an ISO9001 facility</li> </ul>
Safety	<ul style="list-style-type: none"> <li>UL60950-1</li> </ul>
Emission Compliance	<ul style="list-style-type: none"> <li>CE Mark Class A</li> <li>FCC Part 15 Class A</li> <li>VCCI Class A</li> </ul>

Unit: mm

