

# EM120 Series

株式会社 サイバネット

## 100BASE-FX Multi-Mode/Single-Mode to 100BASE-FX Single-Mode Media Converter



### Value

- › Supports chassis system installation for easy management and power redundancy
- › Fiber to fiber transmission and conversion, offers the flexibility of transmission distance extension and/or conversion between MM and SM fiber cable

## Features

- › Full wire-speed forwarding rate
- › Packed with 12VDC external PSU
- › 0°C to 45°C (32°F to 113°F) operating temperature range packed with 12VDC external universal PSU
- › Aluminum case
- › Supports Wall Mounting installation or expansion use with EMC1600 media converter chassis system

## Ordering Information

EM120MCC-40	100BASE-FX Multi Mode (SC) to 100BASE-FX Single Mode (SC) - 40Km Media Converter (1310nm)
EM120MTC-40	100BASE-FX Multi Mode (ST) to 100BASE-FX Single Mode (SC) - 40Km Media Converter (1310nm)
EM120MCT-20	100BASE-FX Multi Mode (SC) to 100BASE-FX Single Mode (ST) - 20Km Media Converter (1310nm)
EM120MTT-20	100BASE-FX Multi Mode (ST) to 100BASE-FX Single Mode (ST) - 20Km Media Converter (1310nm)
EM120MCCA-20	100BASE-BX Multi Mode (SC) to 100BASE-FX Single Mode (SC) WDM -TX:1310nm/RX:1550nm - 20Km Media Converter
EM120MCCB-20	100BASE-BX Multi Mode (SC) to 100BASE-FX Single Mode (SC) WDM -TX:1550nm/RX:1310nm - 20Km Media Converter
EM120MTCA-20	100BASE-BX Multi Mode (ST) to 100BASE-FX Single Mode (SC) WDM -TX:1310nm/RX:1550nm - 20Km Media Converter
EM120MTCB-20	100BASE-BX Multi Mode (ST) to 100BASE-FX Single Mode (SC) WDM -TX:1550nm/RX:1310nm - 20Km Media Converter

### NOTES :

- \*Single Mode to Single Mode version converters are also available
- \*EMC1600, proprietary 19" chassis system, can house up to 16xEM120 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>• IEEE802.3u 100BASE-FX</li> </ul>
Forward and Filtering Rate	<ul style="list-style-type: none"> <li>• 148,810pps for 100Mbps</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>• 2.76W Max. 0.23A @ 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) (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 expansion use with EMC1600 media converter chassis system</li> </ul>

Interface	
Ethernet Port	<ul style="list-style-type: none"> <li>• 100BASE-FX: 2 ports</li> </ul>
LED Indicators	<ul style="list-style-type: none"> <li>• Per Unit: Power Status (Power), Link</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>
Emission Compliance	<ul style="list-style-type: none"> <li>• CE Mark Class A</li> <li>• FCC Part 15 Class A</li> </ul>

# Diagrams

Unit: mm

