EM120 Series

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	• IEEE802.3u 100BASE-FX
Forward and Filtering Rate	• 148,810pps for 100Mbps

Power

Input	• Input Voltage: 12VDC
Power Consumption	• 2.76W Max. 0.23A @ 12VDC

Mechanical

Casing	• Aluminum case
Dimensions	• 80.3mm (W) x 109.2mm (D) x 23.8mm (H) (3.16" (W) x 4.30" (D) x 0.94" (H))
Weight	• 150g (0.33lb.)
Installation	• Wall Mounting or expansion use with EMC1600 media converter chassis system

Interface

Ethernet Port	• 100BASE-FX: 2 ports
LED Indicators	• Per Unit: Power Status (Power), Link

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

Diagrams

Unit: mm

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Front

Top

Side

80.3

109.2

23.8