EM120 Series

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



Overview

The EM120 Series provides media conversion between 100BASE-FX Fiber and 100BASE-FX Fiber. Easy plug-andplay design facilitates network infrastructure construction. The EM120 series is designed for SC, ST and WDM fiber connection selections. The commercial grade media converter supports EtherWAN EMC1600 chassis system for easy group installation. The EM120 is the ideal media converter for enterprise environments.

EtherWAN — "**When Connectivity is Crucial.**"

Highlights

Plug-and-Play Media Converter

Easy installation, plug-and-play without additional configuration, providing store-and-forward data transmission

Optional Chassis System

Supports wall mounting or EtherWAN's EMC1600 chassis system for easy group installation with power redundancy

Fiber to Fiber Conversion

Supports single mode or multi-mode fiber connector

Supports SC/ST/WDM fiber connector

Specifications

Technology

Standards

IEEE 802.3u 100BASE-TX/FX

Forward and Filtering Rate

148,810pps for 100Mbps

Power

Input

12VDC

Power Consumption

2.76W Max. 0.23A@12VDC

Mechanical

Casing

Aluminum Case

Dimensions

80.3 x 109.2 x 23.8mm (W x D x H)
(3.16" x 4.30" x 0.94")

Weight

150g (0.33lb.)

Installation

Wall mounting or 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 to 45°C (32 to 113°F)

Storage Temperature

-10 to 70°C (14 to 158°F)

Ambient Relative Humidity

5% to 95% (non-condensing)

Regulatory Approvals

ISO

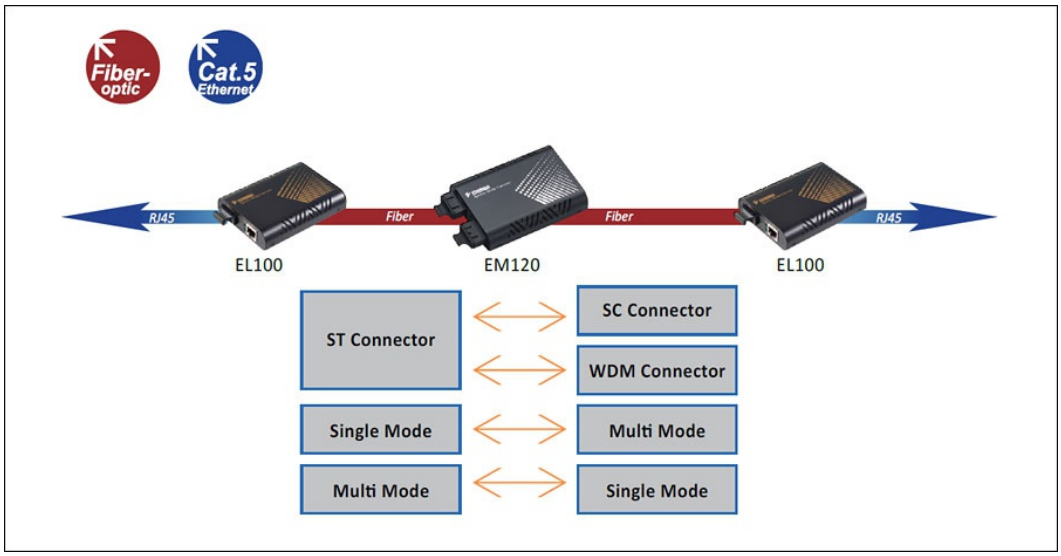
Manufactured in an ISO 9001 facility

Emission Compliances

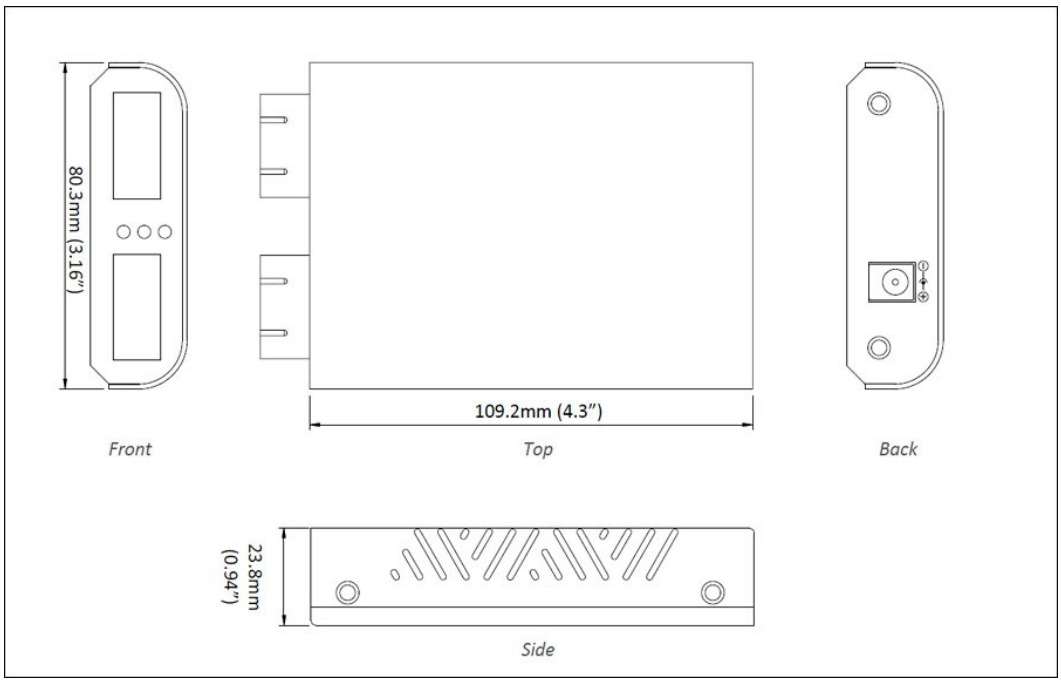
CE Mark Class A

FCC Part 15B Class A

Application



Dimensions



Ordering Info

Model

EM120MCC-15	100BASE-FX MultiMode (SC) to 100BASE-FX Single Mode (SC) - 15Km Media Converter (1310nm)
EM120MCC-40	100BASE-FX MultiMode (SC) to 100BASE-FX Single Mode (SC) - 40Km Media Converter (1310nm)
EM120MTC-40	100BASE-FX MultiMode (ST) to 100BASE-FX Single Mode (SC) - 40Km Media Converter (1310nm)
EM120MCT-20	100BASE-FX MultiMode (SC) to 100BASE-FX Single Mode (ST) - 20Km Media Converter (1310nm)
EM120MTT-20	100BASE-FX MultiMode (ST) to 100BASE-FX Single Mode (ST) - 20Km Media Converter (1310nm)
EM120MCCA-20	100BASE-BX MultiMode (SC) to 100BASE-FX Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-20Km Media Converter
EM120MCCB-20	100BASE-BX MultiMode (SC) to 100BASE-FX Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-20Km Media Converter
EM120MTCA-20	100BASE-BX MultiMode (ST) to 100BASE-FX Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-20Km Media Converter
EM120MTCB-20	100BASE-BX MultiMode (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 16 x EM120 Series Converters.
* EMC1600 Chassis System is available separately.
* More 100FX fiber options are also available upon request.

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