

# EM120

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

### Overview

EtherWAN offers its Media Converter Series as a reliable and affordable answer in response to an increase in fibre optics cabling deployment. EtherWAN's EM120 Series offers conversion between fibre optic cable types or to extend distance over fibre optic cable. The EM120 Series are available in all varieties of fibre connectors and the EM120, fibre multi-mode/single-mode to single-mode fast Ethernet media converter, comes in a wide range of selections. There are options for SC, ST, VF-45, MT-RJ, and LC multi-mode to SC and ST single-mode. We also provide EM120 in single-mode to single-mode converter/bridge.

\*The EM120 series has desktop kits which are wall mountable and mountable in the EMC1600 chassis.

### Features

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

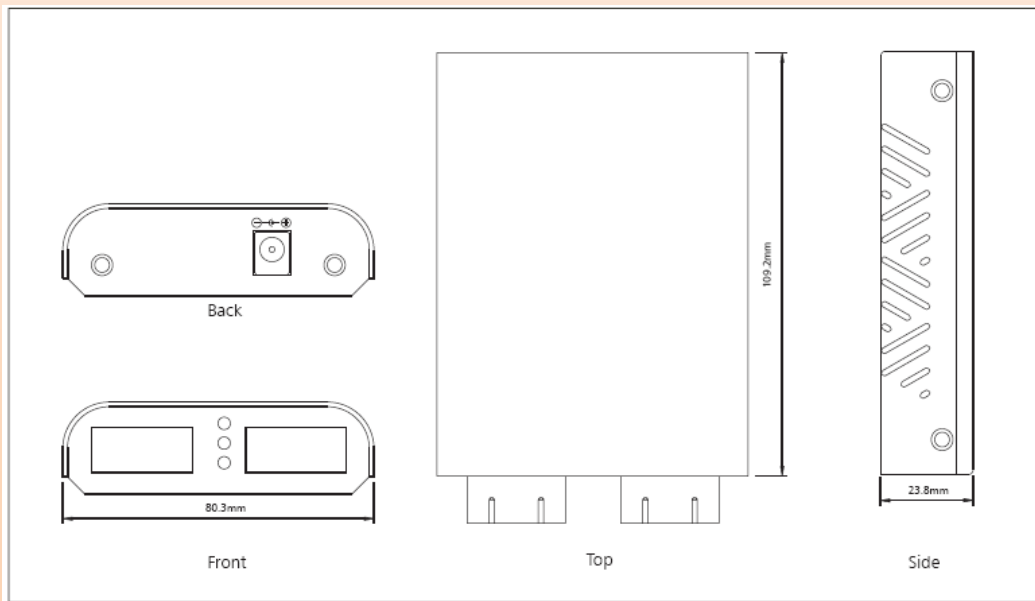
### Ordering Information

EM120MCC-15	100BASE-FX Multi Mode (SC) to 100BASE-FX Single Mode (SC) -15 Km Media Converters
EM120MTC-15	100BASE-FX Multi Mode (ST) to 100BASE-FX Single Mode (SC) -15 Km Media Converters
EM120MCC-40	100BASE-FX Multi Mode (SC) to 100BASE-FX Single Mode (SC) -40 Km Media Converters
EM120MTC-40	100BASE-FX Multi Mode (ST) to 100BASE-FX Single Mode (SC) -40 Km Media Converters
EM120MCT-20	100BASE-FX Multi Mode (SC) to 100BASE-FX Single Mode (ST) -20 Km Media Converters
EM120MTT-20	100BASE-FX Multi Mode (ST) to 100BASE-FX Single Mode (ST) -20 Km Media Converters
EM120MCCA-20	100BASE-BX Multi Mode (SC) to 100BASE-FX Single Mode (SC) WDM -TX: 1310nm/RX: 1550nm -20 Km Media Converters
EM120MCCB-20	100BASE-BX Multi Mode (SC) to 100BASE-FX Single Mode (SC) WDM -TX: 1550nm/RX: 1310nm -20 Km Media Converters
EM120MTCA-20	100BASE-BX Multi Mode (ST) to 100BASE-FX Single Mode (SC) WDM -TX: 1310nm/RX: 1550nm -20 Km Media Converters
EM120MTCB-20	100BASE-BX Multi Mode (ST) to 100BASE-FX Single Mode (SC) WDM -TX: 1550nm/RX: 1310nm -20 Km Media Converters

#### NOTES:

- \*Single Mode to Single Mode versions are available.
- \*EMC1600, proprietary 19" chassis system, can house up to 16 x EM120 Series Converters.
- \*EMC1600 Chassis System is available separately.
- \*More 100FX fibre options are also available upon request.

### Diagrams



# EM120

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

### 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



## EMC1600

### 16-Bay Media Converter Chassis

