

# EMC1200R Series

## 12-Bay Media Converter System



## Overview

The EMC1200R is a 12-Bay chassis system specifically designed to house and power selected EtherWAN Media Converters and Ethernet Extenders in a 19" rack enclosure.

The dynamic selections of EtherWAN's media converter and Ethernet extender family provide flexible system combinations. Each bay is electrically isolated from each other with fused over-current protection resulting in unprecedented reliability. The redundant internal power supplies provide both power redundancy and load sharing. Support for both AC & DC power input options allows the EMC1200R to be used worldwide. With its solid metal enclosure, standard 19" rack-mount and one-unit height design, the EMC1200R is ideal for interconnecting disparate network media and extending Ethernet beyond its boundaries.

EtherWAN – "When Connectivity is Crucial".

## Spotlight

### • 12-Bay Rackmount Chassis

- Powers up 12 media converters with redundant terminal block power inputs

### • Supports EtherWAN's Ethernet extenders and media converters

- Supported media converter Model include, EL2321, EL2211, EL2315, EM1100/EM2100, EM1000/EM2000, EM1000S/EM2000S, EM1020, EM120, EL100/EL200, and EL110/EL210 Series

# Hardware Specifications

## Power

### Input

- 100 - 240VAC, 50 - 60Hz Internal Universal PSU

### Power Consumption

- 9.4Watts, system w/o media converters, but with redundant PSUs.
- For total EMC1200R power consumption, please calculate with the selected media converters' datasheets.

## Mechanical

### Casing

- Metal case

### Dimensions

- 440mm (W) x 243mm (D) x 45mm (H)  
(17.32" (W) x 9.57" (D) x 1.77" (H))

### Weight

- 3.1Kg (6.82lbs.)

### Installation

- Rack mounting

## Environment

### Operating Temperature

- 0°C to 45°C (32°F to 113°F)

### Storage Temperature

- -20°C to 70°C (-4°F to 158°F)

### Ambient Relative Humidity

- 5% to 95% (non-condensing)

## Regulatory Approvals

### ISO

- Manufactured in an ISO9001 facility

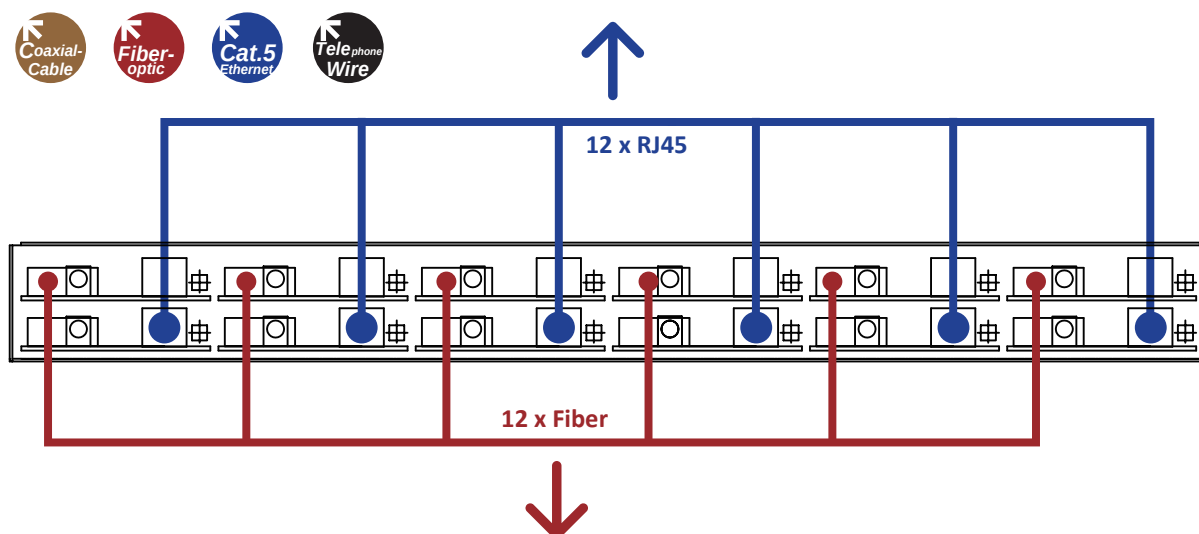
## Emission Compliance

### FCC Part 15B, Class A

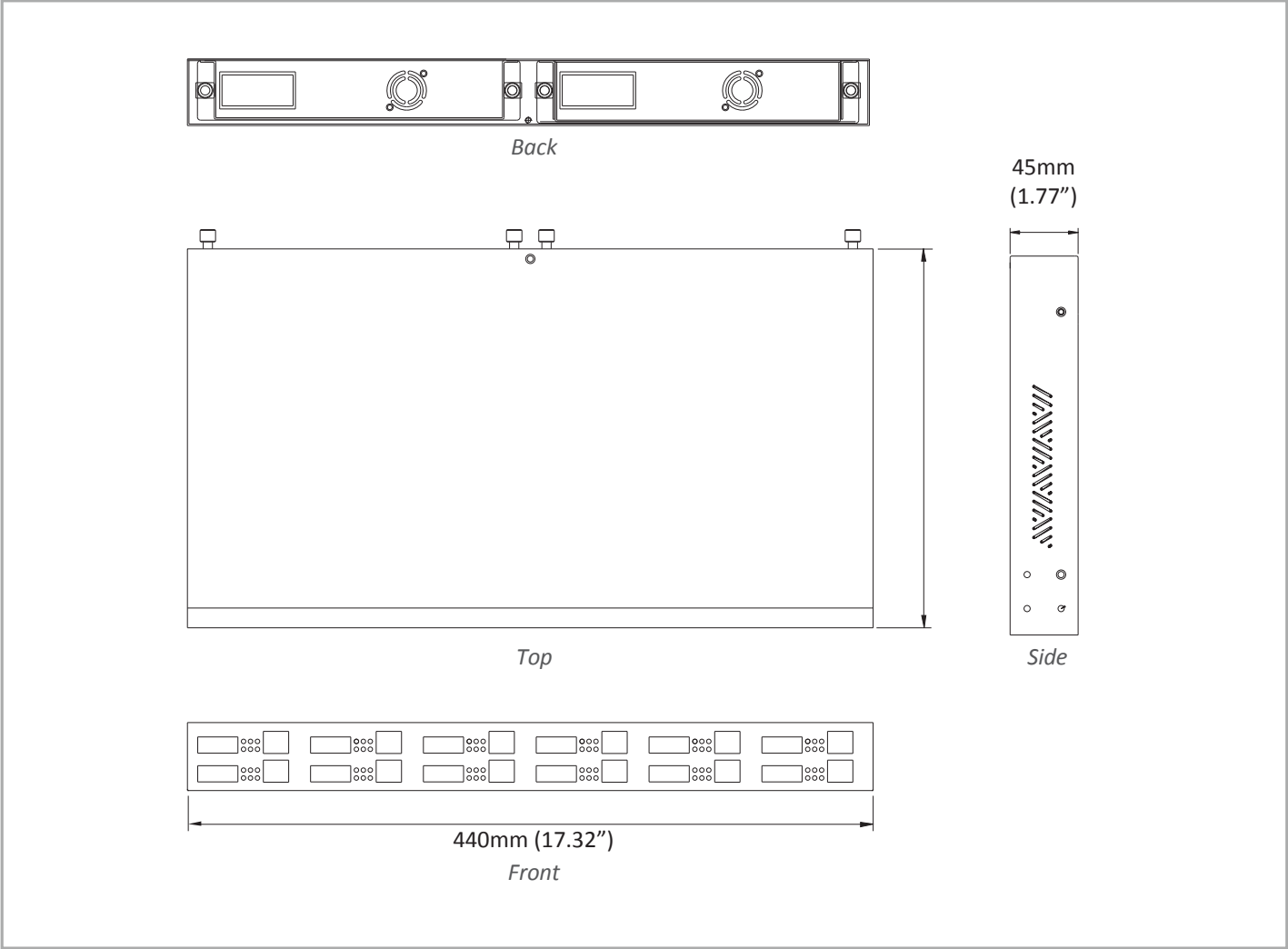
### CE Mark Class A

# Application Diagram

*The EMC1200R provides rack mount installation for medium network system*



# Dimensions



## Ordering Information

| Model         |                                           |
|---------------|-------------------------------------------|
| EMC1200RC     | 12-Bay EL100C Media Converter System      |
| EMC1200RT     | 12-Bay EL100T Media Converter System      |
| EMC1200RL     | 12-Bay EL100L Media Converter System      |
| EMC1210RC     | 12-Bay EL110C Media Converter System      |
| EMC1210RT     | 12-Bay EL110T Media Converter System      |
| EMC1210RL     | 12-Bay EL110L Media Converter System      |
| EMC1220RCC-15 | 12-Bay EM120MCC-15 Media Converter System |
| EMC1220RTC-15 | 12-Bay EM120MTC-15 Media Converter System |
| EMC1220RLC-15 | 12-Bay EM120MLC-15 Media Converter System |

Notes:

- \* ST fiber also available in Single Mode, 20Km
- \* SC fiber also available in Single Mode, 20/40/60/100/120Km
- \* SC fiber also available in WDM Type A and Type B, Single Mode 20/40Km, and Multi Mode 2/5Km
- \* More SFP options are available upon request. Please visit [Etherwan.com](http://Etherwan.com) for the latest SFP module datasheet.

## Ordering Information - continued

### Model

|                       |                                            |
|-----------------------|--------------------------------------------|
| <b>EMC1200RGS</b>     | 12-Bay Gigabit SFP Media Converter System  |
| <b>EMC1230RTSC</b>    | 12-Bay EL2211-31 Media Converter System    |
| <b>EMC1230RTLC-10</b> | 12-Bay EL2211-A1 Media Converter System    |
| <b>EMC1230RTLC-20</b> | 12-Bay EL2211-B1 Media Converter System    |
| <b>EMC1200RTSC</b>    | 12-Bay EM1000TSC Media Converter System    |
| <b>EMC1200RTLC-10</b> | 12-Bay EM1000TLC-10 Media Converter System |
| <b>EMC1200RTLC-20</b> | 12-Bay EM1000TLC-20 Media Converter System |
| <b>EMC1210RTSC</b>    | 12-Bay EM1100TSC Media Converter System    |
| <b>EMC1210RTLC-10</b> | 12-Bay EM1100TLC-10 Media Converter System |
| <b>EMC1210RTLC-20</b> | 12-Bay EM1100TLC-20 Media Converter System |
| <b>EMC1200RSLC-10</b> | 12-Bay EM1000SLC-10 Media Converter System |
| <b>EMC1200RSLC-20</b> | 12-Bay EM1000SLC-20 Media Converter System |
| <b>EMC1200RLLC-10</b> | 12-Bay EM1000LLC-10 Media Converter System |
| <b>EMC1200RLLC-20</b> | 12-Bay EM1000LLC-20 Media Converter System |

*Note:*

*\* SC fiber also available in WDM Type A and Type B, Single Mode 10/20Km, and Multi Mode 2/5Km*

*\* More SFP options are available upon request. Please visit [Etherwan.com](http://Etherwan.com) for the latest SFP modules datasheet.*