

# EM1000S EM2000S Series

## 1000BASE-SX/LX to 1000BASE-LX/BX Media Converter

Gigabit

### Overview



EtherWAN's EM1000S/EM2000S series offers several different selections from multi-mode/single-mode to single-mode, fibre to fibre, Gigabit media converter. There are also several different single-mode options available for 10, 20, and 50Km (6.2, 12.4, and 31miles) distance. The flexible and easy to use, EM1000S/EM2000S series is one of the most versatile media converters in the world. It has a standalone kit ideal for desktop use, and is also wall mountable. It's available in a 19" rack mountable chassis that holds up to 16 units of any of EtherWAN's media converters for central control purposes. EM1000S/EM2000S Series features easy to understand diagnostic LEDs. These LEDs show details for Link, and power status.

### Features

- 1000Mbps-Full-duplex, Auto-Negotiation
- Full wire-speed forwarding rate
- 12VDC external universal PSU
- 0°C to 45°C (32°F to 113°F) operating temperature range
- Supports Wall Mounting installation or use with EMC1600 Media converter chassis system
- Aluminium case

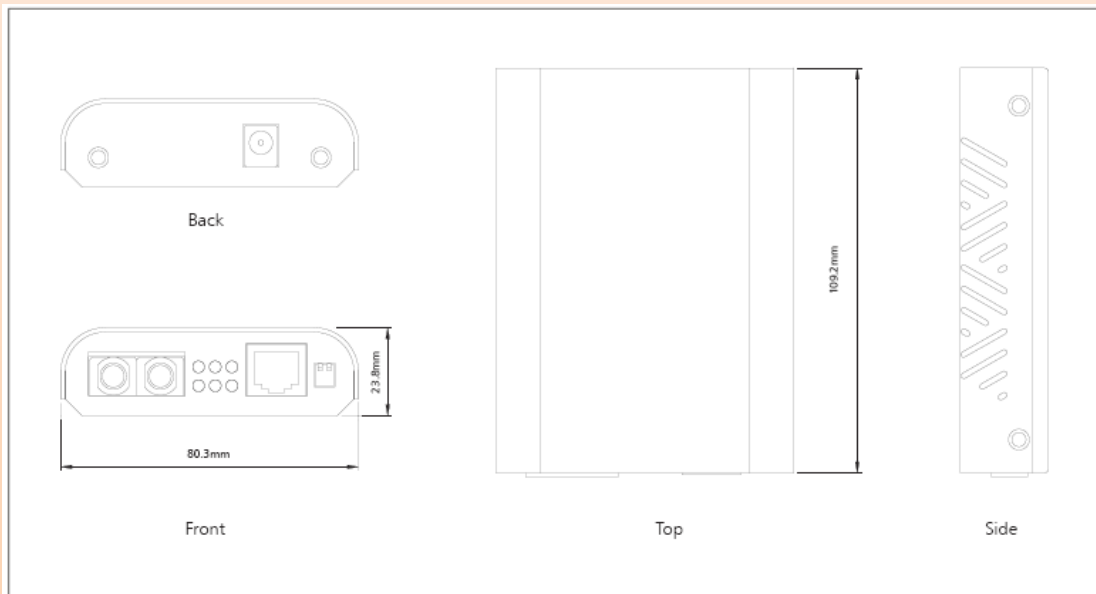
### Ordering Information

EM1000SLC-10	1000BASE-SX (SC) -550m to 1000BASE-LX (SC) -10Km Media Converter
EM1000SLC-20	1000BASE-SX (SC) -550m to 1000BASE-LX (SC) -20Km Media Converter
EM1000SLC-50	1000BASE-SX (SC) -550m to 1000BASE-LX (SC) -50Km Media Converter
EM2000SLCA-10	1000BASE-SX (SC) -550m to 1000BASE-BX (SC) WDM -TX: 1310nm/RX: 1550nm -10 Km Media Converters
EM2000SLCB-10	1000BASE-SX (SC) -550m to 1000BASE-BX (SC) WDM -TX: 1550nm/RX: 1310nm -10 Km Media Converters
EM2000SLCA-20	1000BASE-SX (SC) -550m to 1000BASE-BX (SC) WDM -TX: 1310nm/RX: 1550nm -20 Km Media Converters
EM2000SLCB-20	1000BASE-SX (SC) -550m to 1000BASE-BX (SC) WDM -TX: 1550nm/RX: 1310nm -20 Km Media Converters
EM2000SLCA-60	1000BASE-SX (SC) -550m to 1000BASE-BX (SC) WDM -TX: 1310nm/RX: 1550nm -60 Km Media Converters
EM2000SLCB-60	1000BASE-SX (SC) -550m to 1000BASE-BX (SC) WDM -TX: 1550nm/RX: 1310nm -60 Km Media Converters

**NOTES:**

- \*1000BASE-LX to 1000BASE-LX converters are also available.
- \*EMC1600, proprietary 19" chassis system, can house up to 16xEM1000S/EM2000S Series Converters.
- \*EMC1600 Chassis System is available separately.
- \*More Gigabit fibre options are also available upon request.

### Diagrams



# EM1000S EM2000S Series

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Gigabit

## Specifications

### Technology

#### Standards:

- IEEE802.3z 1000BASE-SX/1000BASE-LX

#### Forward and Filtering Rate:

- 1,488,100pps for 1000Mbps

### Power

#### Input:

- Input Voltage: 12VDC

#### Power Consumption:

- 2.4W Max. 0.2A@12VDC

### Mechanical

#### Casing:

- Aluminium case

#### Dimensions:

- 80.3mm (W) x 109.2mm (D) x 23.8mm (H)  
(3.16" (W) x 4.3" (D) x 0.94" (H))

#### Weight:

- 150g (0.33lb.)

#### Installation:

- Wall Mounting or use with EMC1600 media converter chassis system

### Interface

#### Ethernet Port:

- 1000BASE-SX/LX/BX: 2 ports

#### LED Indicators:

- Per Unit: Power Status (Power)
- Per Port: 1000SX/LX: 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, VCCI Class A.



## EMC1600 16 Bay Media Converter Chassis

