

# EM1000S/EM2000S Series

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



## Overview

The EM1000S/EM2000S Series provides media conversion between 1000BASE-T(X) and 1000BASE-FX Fiber. Easy plug-and-play design facilitates network infrastructure construction. Also, this commercial grade Gigabit media converter supports EtherWAN EMC1600 chassis system for easy group installation. The EM1000S/EM2000S is the ideal media converter for enterprise environments.

EtherWAN — "When Connectivity is Crucial."

## Spotlight

### Gigabit Connectivity

- » 1000BASE-SX/LX/BX to 1000BASE-SX/LX/BX fiber transmission conversion
- » 1000Mbps Full duplex
- » Full wire-speed forwarding rate

### Optional Chassis System

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

# Specifications

## Technology

### Standards

- IEEE802.3ab, 1000BASE-T
- IEEE802.3z, 1000BASE-SX/1000BASE-LX
- IEEE802.3x, Full duplex and flow control

### Forward and Filtering Rate

- 1,488,100pps for 1000Mbps

### Processing Type

- Auto Negotiation
- Auto MDI/MDIX

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## Power

### Power Input

- Input Voltage: 12VDC

### Power Consumption

- 2.4W Max. 0.2A @ 12VDC

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## Mechanical

### Casing

- Aluminum 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 (0.336lbs.)

### Installation

- Wall mounting or use with EMC1600 media converter chassis system

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## Interface

### Ethernet Port

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

### LED Indicators

- Per Unit: Power Status (Power)
- Per Port: 1000SX/LX: Link

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## 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)

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## Regulatory Approvals

### ISO

- Manufactured in an ISO9001 facility

### Emission Compliances

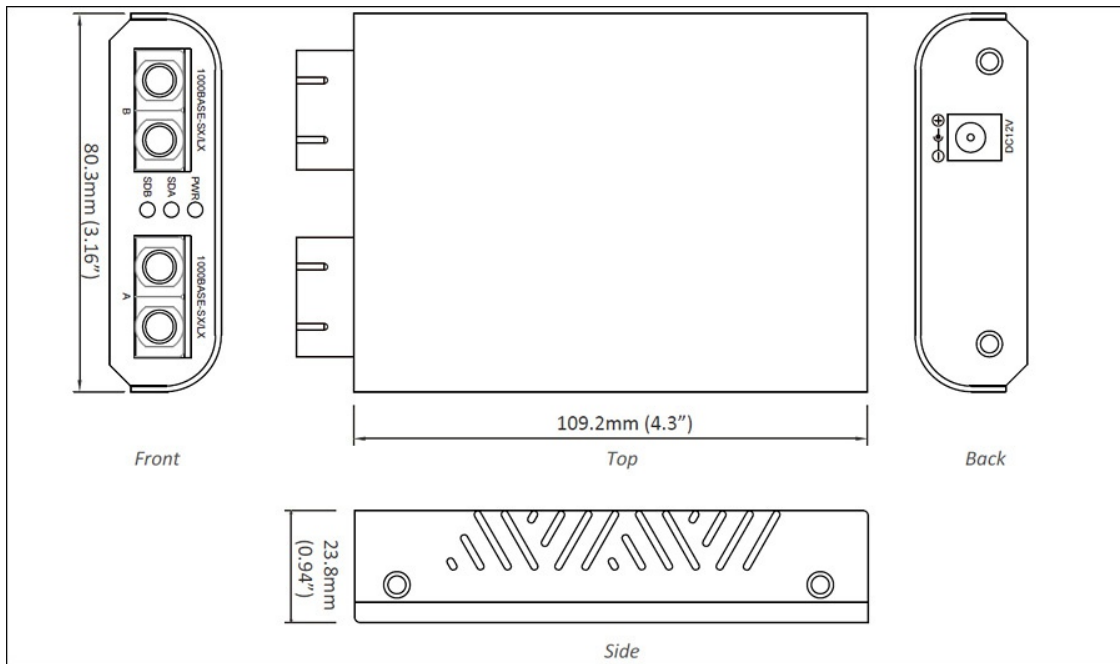
CE Mark Class A

FCC Part 15B Class A

VCCI Class A

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## Dimensions



## Ordering Info

### Model

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

\* EMC1600 (available separately), a proprietary 19" chassis system, can house up to 16xEM1000S/EM2000S Series media converters.

\* More Gigabit fiber options are available upon request.

\* 1000BASE-LX to 1000BASE-LX converters are also available.

