EM1000/EM2000 Series

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



Overview

This product is discontinued as of 10th October 2020.click here for alternative product.

The EM1000/EM2000 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 EM1000/EM2000 is the ideal media converter for enterprise environments.

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

Spotlight

Gigabit Connectivity

» Auto 1000BASE-T and 1000BASE-SX/LX/BX Ethernet 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

Power

Power Input

• Input Voltage: 12VDC

Power Consumption

• 2.4W Max. 0.2A @ 12VDC

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

Interface

Ethernet Port

• 1000BASE-T: 1 port
• 1000BASE-SX/LX/BX: 1 port

LED Indicators

• Per Unit: Power Status (Power)
• Per Port: 1000T, 1000SX/LX: Link, Full-duplex/Collision
• Per Port 1000SX/LX: Link, Transmit, Receive

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

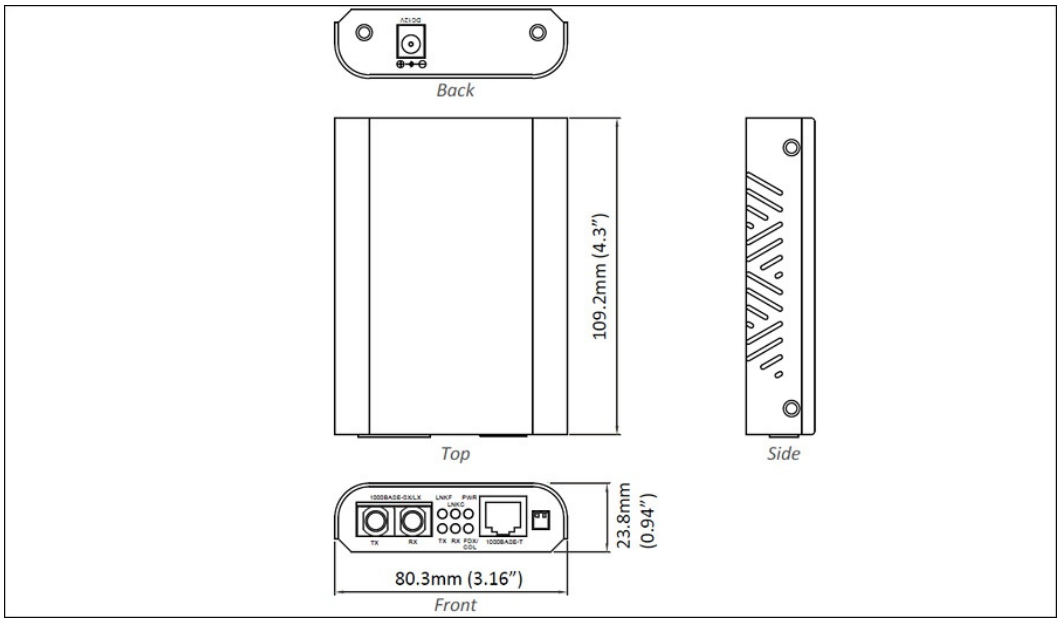
ISO

• Manufactured in an ISO9001 facility

Emission Compliances

CE Mark Class A
FCC Part 15B Class A
VCCI Class A

Dimensions



Ordering Info

Model

EM1000TSC	1000BASE-T to 1000BASE-SX (SC) - 550m Media Converter (850nm)
EM1000TSC-2	1000BASE-T to 1000BASE-SX (SC) - 2Km Media Converter (1310nm)
EM1000TLC-10	1000BASE-T to 1000BASE-LX (SC) - 10Km Media Converter (1310nm)
EM1000TLC-20	1000BASE-T to 1000BASE-LX (SC) - 20Km Media Converter (1310nm)
EM2000TLCA-20	1000BASE-T to 1000BASE-LX (SC) WDM -TX:1310nm/RX:1550nm - 20Km Media Converter
EM2000TLCB-20	1000BASE-T to 1000BASE-LX (SC) WDM -TX:1550nm/RX:1310nm - 20Km Media Converter
EM2000TLCA-60	1000BASE-T to 1000BASE-LX (SC) WDM -TX:1310nm/RX:1550nm - 60Km Media Converter
EM2000TLCB-60	1000BASE-T to 1000BASE-LX (SC) WDM -TX:1550nm/RX:1310nm - 60Km Media Converter

* EMC1600 (available separately), a proprietary 19" chassis system, can house up to 16 x EM1000/EM2000 Series media converters.



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