EM1020 系列

1000BASE-T-Gigabit SFP光電轉換器



產品介紹

本產品自2020年8月28日起停產。 請點選 此處 尋找替代產品。

The EM1020 Series provides media conversion between 1000BASE-T(X) and 1000BASE SFP Fiber. The EM1020's fiber design is compatible to 1000BASE SFP fiber transceiver. Also, through DIP switch selection, Link-Fault-Pass-Through (LFPT) function can be active or disabled.

With Gigabit transmission rate, the EM1020 supports Jumbo Frame up to 9K bytes. Also, this commercial grade Gigabit media converter supports EtherWAN's EMC1600 chassis system for easy group installation. the EM1020 is the ideal media converter for enterprise environments.

EtherWAN — "When Connectivity is Crucial."

產品亮點

Gigabit Connectivity

» 1000BASE-TX and 1000BASE-SX/LX/BX Ethernet SFP transmission conversion
» 1000Mbps Full duplex SFP

Link-Fault-Pass-Through (LFPT)

» LFPT function let network operators be aware of network connection status
» When fiber link is sown, LFPT function will turn down Ethernet port to inform connected device that the link is down and vise versa

Optional Chassis System

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

產品規格

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

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Interface

Ethernet Port

• 1000BASE-T: 1 port
• Gigabit SFP: 1 port

LED Indicators

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

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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)

Regulatory Approvals

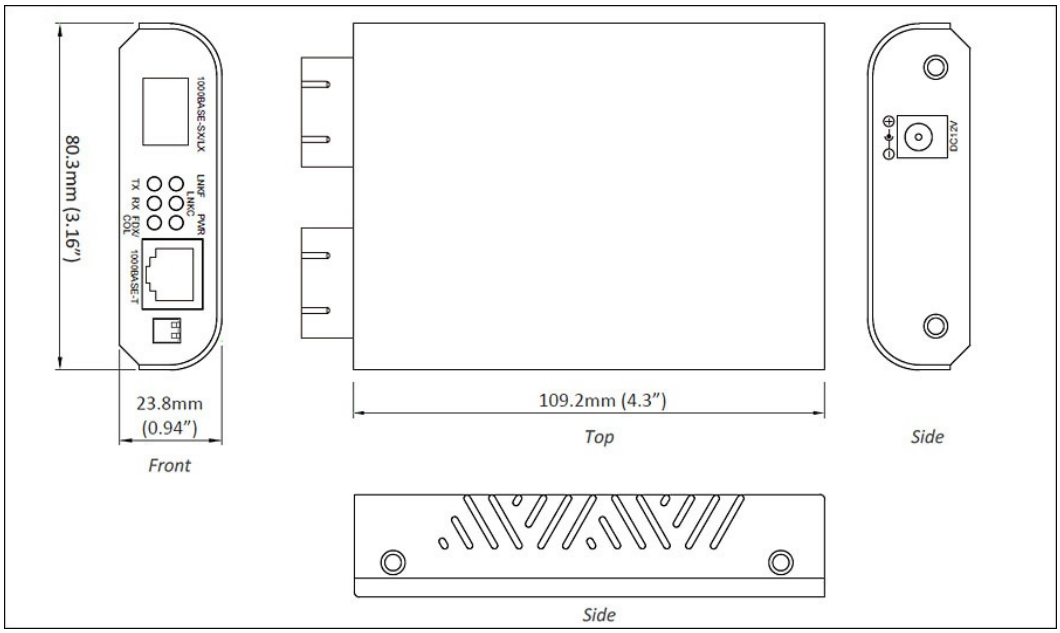
ISO

• Manufactured in an ISO9001 facility

Emission Compliances

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

產品尺寸圖



訂購型號

Model

EM1020-X	1000BASE-T to Gigabit SFP Media Converter

Power Adapter Options (X)

A	with external power adapter for AU
E	with external power adapter for EU
J	with external power adapter for JP
K	with external power adapter for UK
U	with external power adapter for USA
3C	with external power adapter for China

Optional SFP Non-Hardened Type Gigabit Fiber Transceivers

Model Name	**Distance**	**Cable Type**	**Connector Type**	**Wavelength**	**Link Budget****	**Optical Output Power**	**Sensitivity**
EX-1250NSP-SB1L S	275m/550 m	62.5/125μm/50/125 μm, MM	Duplex LC	850nm	7.5dBm	-9.5 to -4dBm	-17dBm
EX-1250TBP-MB1L S	550m	62.5/125μm/50/125 μm, MM	Single LC	TX: 1310nm RX: 1550nm	7dBm	-10 to -4dBm	-17dBm
EX-1250TBP-LB1L S	550m	62.5/125μm/50/125 μm, MM	Single LC	TX: 1550nm RX: 1310nm	7dBm	-10 to -4dBm	-17dBm
EX-1250TSP-MB4L S	10Km	9/125μm, SM	Duplex LC	1310nm	11.5dBm	-9.5 to -3dBm	-21dBm
EX-1250TBP-MB4L S	10Km	9/125μm, SM	Single LC	TX: 1310nm RX: 1550nm	12dBm	-9 to -3dBm	-21dBm

EX-1250TBP-KB4L S	10Km	9/125µm, SM	Single LC	TX: 1550nm RX: 1310nm	12dBm	-9 to -3dBm	-21dBm
EX-1250TBP-MB5L S	20Km	9/125µm, SM	Single LC	TX: 1310nm RX: 1550nm	15dBm	-8 to -3dBm	-23dBm
EX-1250TBP-KB5L S	20Km	9/125µm, SM	Single LC	TX: 1550nm RX: 1310nm	15dBm	-8 to -3dBm	-23dBm
EX-LS38-C3L-TC-N-EB (DDM)	40Km	9/125µm, SM	Duplex LC	1310nm	20dBm	-3 to +2dBm	-23dBm
EX-LS38-C3L-TC-N-CE (DDM)	40Km	9/125µm, SM	Single LC	TX: 1310nm RX: 1550nm	20dBm	-3 to +2dBm	-23dBm
EX-LS48-C3L-TC-N-CE (DDM)	40Km	9/125µm, SM	Single LC	TX: 1550nm RX: 1310nm	20dBm	-3 to +2dBm	-23dBm

* More SFP options upon request.

** Link Budget data is based on pair of the same modules.

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