EL2315 系列

10/100/1000BASE-TX - 100/1000BASE-X Dual Rate SFP 光電轉換器



產品介紹

EL2315 Gigabit光電轉換器系列支援10/100/1000BASE-T(X)和100/1000BASE SFP的光電轉換，同時兼容100BASE光纖或1000BASE光纖。透過DIP Switch指撥器，EL2315的SFP連接埠可彈性地支援100BASE SFP光纖或1000BASE-X SFP光纖連接埠，同時可選擇啟用或停用Link-Fault-Pass-Through (LFPT)故障傳遞功能，提升資訊傳輸的可靠性。EL2315 Gigabit光電轉換器支援高達9k位元組的巨型幀傳輸，是實現高效連接性的理想選擇。

產品亮點

支援全Gigabit頻寬

10/100/1000BASE-TX 和 1000BASE-SX/LX/BX 乙太網信號自動轉換

光纖支持100BASE-FX和1000BASE-SX/LX相互轉換

支援Link-Fault-Pass-Through (LFPT)

針對光電轉換器連線狀態提供持續的監控

當連線的其中一端光纖中斷訊，LFPT會中斷乙太網路(RJ-45)埠之連線，以告知連線之設備網路連線已中斷

支援100/1000BASE-FX 雙速率 SFP

可通過 DIP 指撥器切換100BASE 或 1000BASE SFP

產品規格

Technology

Standards

IEEE 802.3 10BASE-T

IEEE 802.3u 100BASE-TX/100BASE-FX

IEEE 802.3ab 1000BASE-T

IEEE 802.3z 1000BASE-SX/1000BASE-LX

IEEE 802.3x Full duplex and flow control

Forward and Filtering Rate

14,880pps for 10Mbps

148,810pps for 100Mbps

1,488,100pps for 1000Mbps

Processing Type

Store-and-Forward

Auto Negotiation

Half duplex back-pressure and IEEE 802.3x full-duplex flow control

Auto-MDI/MDIX

Interface

Ethernet Port

10/100/1000BASE-TX: 1 port

100/1000BASE SFP Slot: 1 port

DIP Switch

No.1: LFPT On/Off

No.2: Auto-Negotiation/Force Mode for TX port

No.3: Full-duplex/Half-duplex for TX port

No.4: 100Mbps/10Mbps Force Mode for TX port

No.5: 100Mbps/1000Mbps for SFP

No.6: Function Reserved

LED Indicators

Per Unit: Power, LFPT

Per Port: FX/TX Speed, Link/Activity

Power

Input

12VDC

Power Consumption

1.8W Max. 0.15A@12VDC

Mechanical

Casing

Aluminum Case

Dimensions

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

Weight

150g (0.336lbs.)

Installation

Wall mounting

Environment

Operating Temperature

0 to 50°C (32 to 121°F)

Storage Temperature

-10 to 70°C (-14 to 158°F)

Ambient Relative Humidity

5% to 95% (non-condensing)

Regulatory Approvals

Safety

UL 62368-1

ISO

Manufactured in an ISO 9001 facility

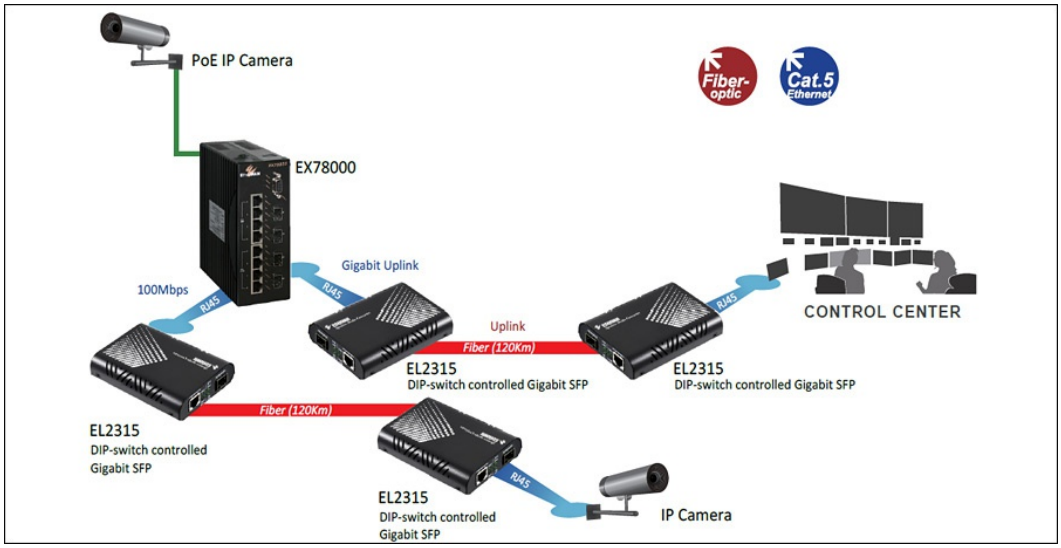
Emission Compliances

CE Mark Class A

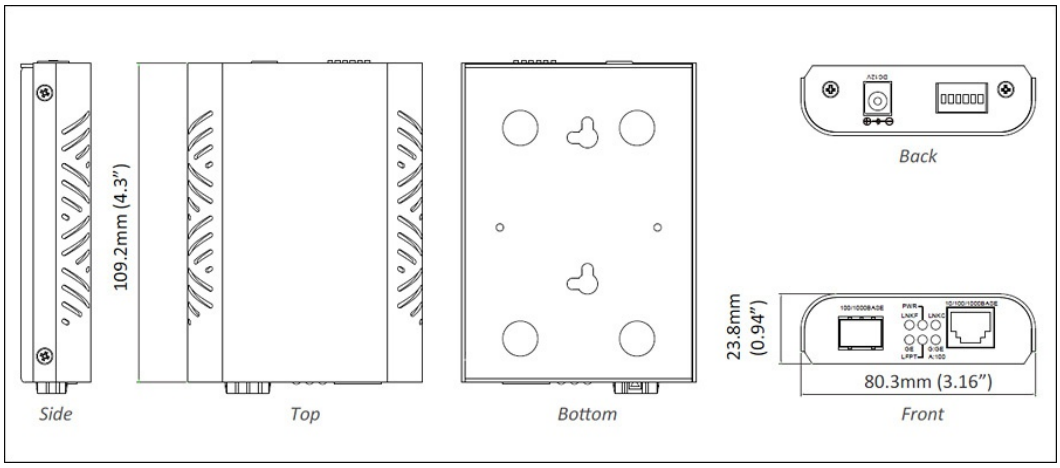
FCC Part 15B Class A

VCCI Class A

產品應用圖



產品尺寸圖



訂購型號

Model

EL2315	10/100/1000BASE-TX to 100BASE/1000BASE-X Dual Rate SFP Media Converter

Gigabit Fiber Transceivers*

Optional SFP Non-Hardened Type (Operating Temperature: 0 to 70°C/32 to 158°F)

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