EL9100 系列

強固級 10/100/1000BASE-TX- 1000BASE-SX/LX/BX 光電轉換器



產品介紹

本產品自2020年12月15日起停產。 請點選 此處 尋找替代產品。

EL9100系列為一款強固級10/100/1000BASE-TX轉1000BASE-SX-LX之光電轉換器，專為嚴苛環境所設計，可安裝於戶外機箱。EL9100支援三組電源輸入，內間斷線告警、Link-Fault-Pass-Through等功能，專為嚴峻戶外環境設計打造，工業等級設計可承受強力的落摔衝擊、防震動及抗電磁波干擾，更可在-40到75°C寬溫環境下穩定運作。

EtherWAN — "When Connectivity is Crucial."

產品亮點

支援全Gigabit頻寬

» 具備1個10/100/1000BASE-TX乙太網路連接搭配1個1000BASE-SX/LX/BX光纖埠
» 支援1000Mbps Full duplex和10/100MBps Full/Half duplex
» 支援Full wire-speed forwarding rate

符合UL 508標準

» 專業通訊應用工業等級設計，符合UL 508標準

強固等級設計

» 寬溫操作(-40到75°C)

產品規格

技術

標準

• IEEE 802.3 10BASE-T
• IEEE 802.3z 1000BASE-SX/1000BASE-LX
• IEEE 802.3x full duplex and flow control

Forward and Filtering Rate

• 1,488,100pps for 1000Mbps

傳輸型式

• Auto Negotiation
• Auto-MDI/MDIX

電源

輸入電壓

• 12-48VDC (Terminal Block)
• 12VDC (DC Jack)

電力功耗

• 7.68W Max, 0.16A@48VDC

Protection

• Overload current protection
• Reverse polarity protection

機構

機殼

• Aluminum Case
• IP30

尺寸

• 50 x 110 x 135mm (W x D x H)
(1.97" x 4.33" x 5.31")

重量

• 0.8Kg (1.76lbs.)

安裝方式

• DIN-Rail (Top hat type 35mm), Panel, or Rack mounting

介面

乙太網路埠

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

LED 指示燈號

• Per Unit: Power 1, Power 2, Power 3, Fault, LFPT
• Per 10/100/1000BASE-TX Port: Link/Activity, 1000M, Full-duplex
• Per 1000SX/LX/BX Port: Link/Activity

DIP Switch

• No.1: LFPT on/off
• No.2: Alarm for copper port on/off
• No.3: Alarm for fiber port on/off
• No.4: Auto-negotiation for fiber port on/off

Alarm Contact

• Relay contact rating with current 1A@30VDC, 0.5A@120VAC

環境

工作溫度

• -40 to 75°C (-40 to 167°F)
Tested @ -40 to 85°C (-40 to 185°F)

儲存溫度

• -40 to 85°C (-40 to 185°F)

工作濕度

• 5% to 95% (無凝結)

通過認證

ISO

• Manufactured in an ISO 9001 facility

EMI

FCC Part 15B Class A
VCCI Class A
EN 55022

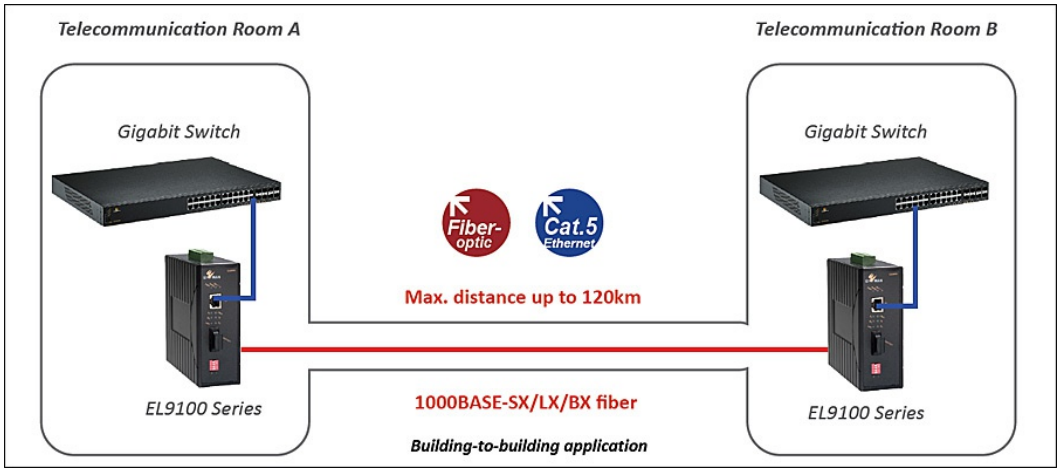
EN 61000-3-2
EN 61000-3-3
EN 61000-6-4

Safety
UL 508

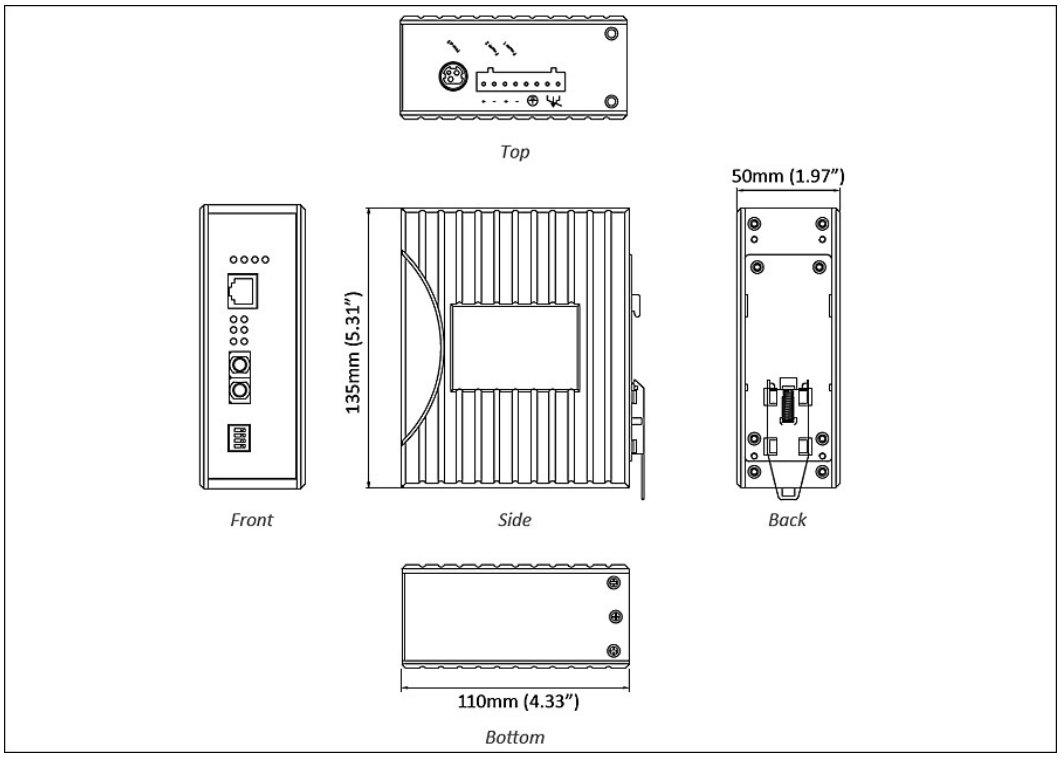
EMS
EN 61000-6-2
• EN 61000-4-2 (ESD Standards)
• EN 61000-4-3 (Radiated RFI Standards)
• EN 61000-4-4 (Burst Standards)
• EN 61000-4-5 (Surge Standards)
• EN 61000-4-6 (Induced RFI Standards)
• EN 61000-4-8 (Magnetic Field Standards)

Environmental Test Compliance
IEC 60068-2-6 Fc (Vibration Resistance)
IEC 60068-2-27 Ea (Shock)
FED STD 101C Method 5007.1 (Free fall w/package)

產品應用圖



產品尺寸圖



訂購型號

型號

EL9100-X1B	10/100/1000BASE-TX to 1000BASE-SX/LX/BX Hardened Media Converter

Gigabit Port Options (X)

3	1000BASE-SX (SC) - 550m
4	1000BASE-SX (SC) - 2Km
5	1000BASE-SX (ST) - 550m
A	1000BASE-LX (SC) - 10Km
B	1000BASE-LX (SC) - 20Km
E	1000BASE-LX (SC) - 40Km (1310nm)
H	1000BASE-LX (ST) - 10Km (1310nm)
I	1000BASE-LX (ST) - 20Km (1310nm)
R	1000BASE-BX (SC) WDM-TX: 1310nm/RX: 1550nm-20Km
S	1000BASE-BX (SC) WDM-TX: 1550nm/RX: 1310nm-20Km

* DIN-Rail mounting kit included.

Optional Accessories

HDR-30-24	30W/1.5A DIN-Rail 24VDC Industrial Power Supply
HDR-60-24	60W/2.5A DIN-Rail 24VDC Industrial Power Supply
EDR-75-24	75W/3.2A DIN-Rail 24VDC Industrial Power Supply
EX41-145046-X	Power Supply 45W 12VDC with Open Wire (X) = 1: US, 2: EU, 3: UK, 4: AU, 5: JP, 6: SA
EX41-145044-X	Power Supply 45W 12VDC with Latch (X) = 1: US, 2: EU, 3: UK, 4: AU, 5: JP, 6: SA

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