EL8100 系列

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



產品介紹

EL8100系列為強固級鋁軌式安裝之光電轉換器，具備1個10/100/1000BASE-TX乙太網路埠搭配1個1000BASE-SX/LX/BX 光纖埠。EL8100系列專為工業環境設計打造，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，可在-40到75°C寬溫環境下穩定運作，並支援雙電源輸入、斷電斷線告警、Link Fault Pass Through (LFPT)且支援彈性光纖規格選擇，是嚴苛場域應用之最佳解決方案。

EtherWAN — "When Connectivity is Crucial."

產品亮點

支援全Gigabit頻寬及Jumbo frames

具備1個10/100/1000BASE-T 乙太網路埠搭配1個1000BASE-SX/LX/BX/SFP光纖埠

支援1000Mbps Full duplex和Full wire-speed forwarding rate

支援Jumbo Frame最高達10K bytes

強固等級設計

寬溫操作(-40到75°C)

端子台支援備援電源輸入

支援鋁軌式安裝

埠斷訊告警

透過DIP Switch設定當斷電或斷電時對使用者發出告警

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

自動斷開故障連結，避免封包持續傳送，快速偵測到網路連線的錯誤

產品規格

Technology

Standards

IEEE 802.3 10BASE-T

IEEE 802.3u 100BASE-TX

IEEE 802.3ab 1000BASE-T

IEEE 802.3z 1000BASE-X

Forward and Filtering Rate

14,880pps for 10Mbps

148,810pps for 100Mbps

1,488,100pps for 1000Mbps

Processing Type

Auto Negotiation

Auto MDI/MDIX

Interface

Ethernet Ports

10/100/1000BASE-TX: 1 port

LED Indicators

Per Unit: Power 1, Power 2, Fault, LFPT

Per Port: Link/Activity

DIP Switches

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 0.6A/30VDC

Power

Input

12-48VDC

Power Consumption

1.44W Max., 12~48VDC, 0.12~0.03A

Protection

Overload Current Protection

Reverse Polarity Protection

Mechanical

Casing

Aluminum Case

IP30

Dimensions

35.8 x 90 x 100mm (W x D x H)

(1.41" x 3.54" x 3.94")

Weight

0.23Kg (0.51lbs.)

Installation

DIN-Rail

Environment

Operating Temperature

-40 to 75°C (-40 to 167°F)

Storage Temperature

-40 to 85°C (-40 to 185°F)

Ambient Relative Humidity

5% to 95% (non-condensing)

Regulatory Approvals

ISO

Manufactured in an ISO 9001 facility

Safety

UL 61010

Industrial Compliance

EN 50121-4

EMI

FCC Part 15B Class A

VCCI Class A

EN 55032

EN 61000-3-2

EN 61000-3-3

EN 61000-6-3

EMS

EN 61000-6-2

- EN 61000-4-2 (ESD Standards)
- EN 61000-4-3 (Radiated FRI 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)

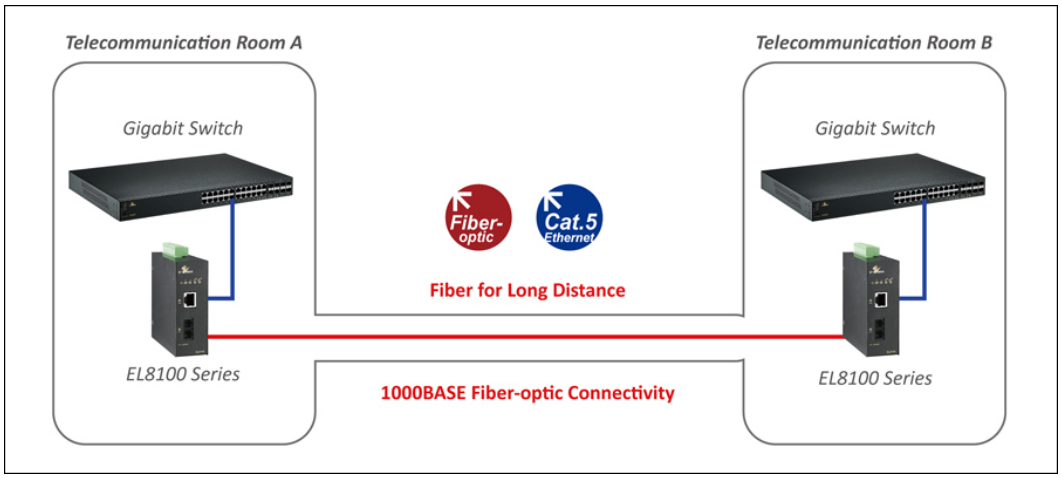
Environmental Test Compliances

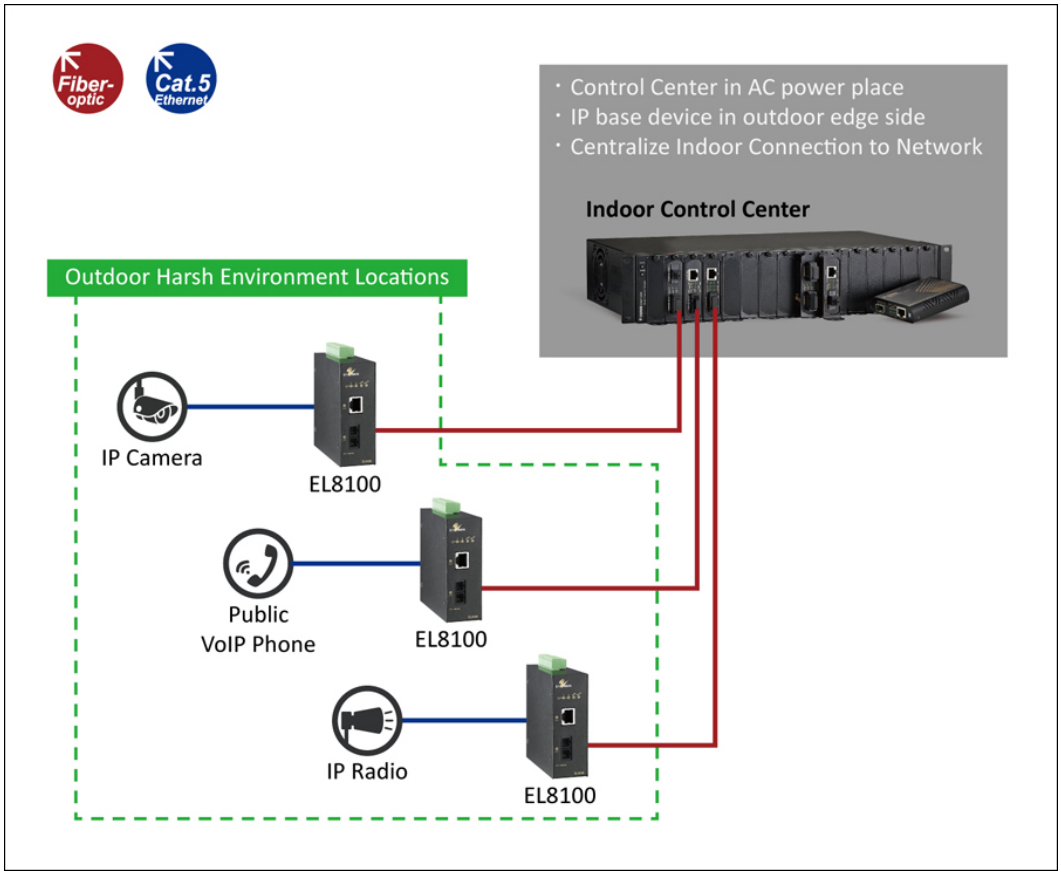
IEC 60068-2-6 Fc (Vibration)

IEC 60068-2-27 Ea (Shock)

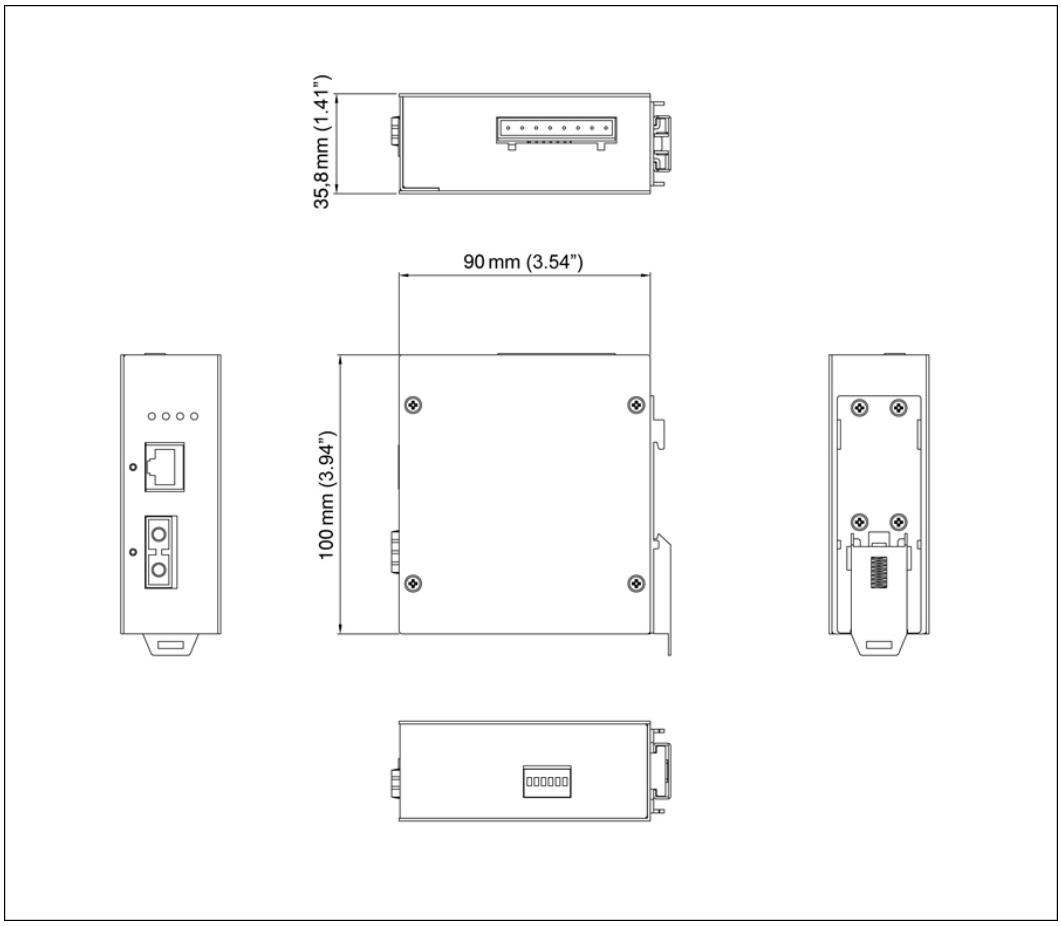
FED STD 101C Method 5007.1 (Free fall w/ package)

產品應用圖


Telecommunication Room A
Telecommunication Room B
Gigabit Switch
Gigabit Switch
Fiber-optic
Cat.5 Ethernet
Fiber for Long Distance
EL8100 Series
EL8100 Series
1000BASE Fiber-optic Connectivity


Fiber-optic
Cat.5 Ethernet
・Control Center in AC power place
・IP base device in outdoor edge side
・Centralize Indoor Connection to Network
Indoor Control Center
Outdoor Harsh Environment Locations
IP Camera
EL8100
Public VoIP Phone
EL8100
IP Radio
EL8100

產品尺寸圖



訂購型號

型號

EL8100-X1E	10/100/1000BASE-TX to 1000BASE-SX/LX/BX Hardened Media Converter

Gigabit Fiber 選項 (X)

3	1000BASE-SX (SC) - Multi mode 550m 850nm
4	1000BASE-SX (SC) - Multi mode 2Km 1310nm
5	1000BASE-SX (ST) - Multi mode 550m 850nm
A	1000BASE-LX (SC) - Single mode 10Km 1310nm
B	1000BASE-LX (SC) - Single mode 20Km 1310nm
I	1000BASE-LX (ST) - Single mode 20km 1310nm
J	1000BASE-LX (ST) - Single mode 40km 1310nm
R	1000BASE-BX (SC) WDM-TX: Single mode 20Km 1310nm
S	1000BASE-BX (SC) WDM-TX: Single mode 20Km 1310nm

* 可根據需求提供更多 Gigabit 選項。

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