

## 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
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### 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
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### 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
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## 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
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## 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)
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## 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

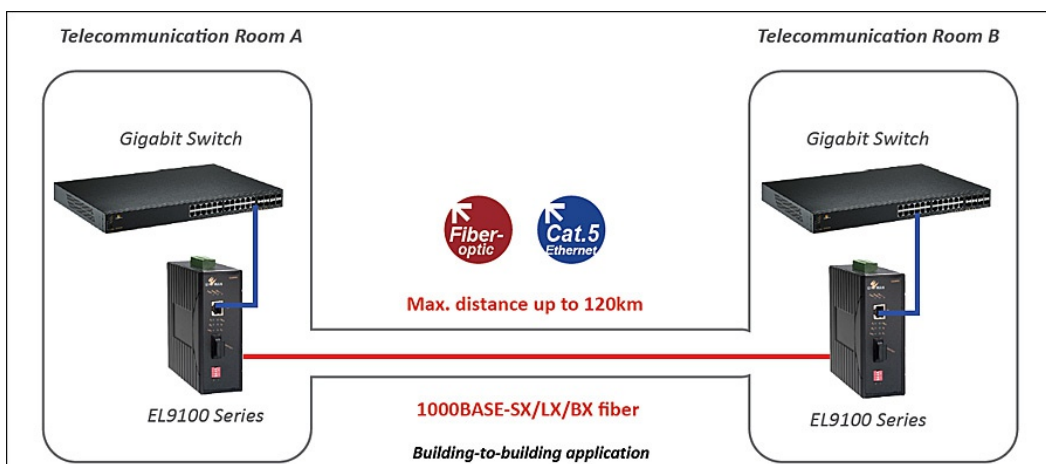
IEC 60068-2-6 Fc (Vibration Resistance)

IEC 60068-2-27 Ea (Shock)

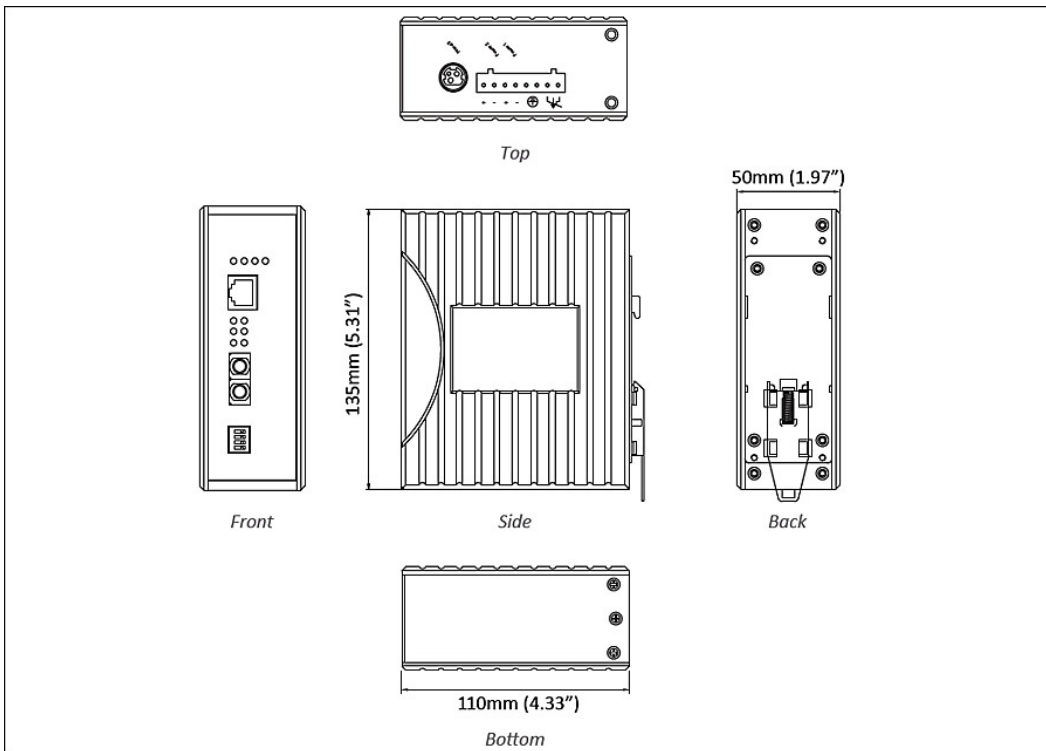
FED STD 101C Method 5007.1 (Free fall w/package)

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## 產品應用圖



## 產品尺寸圖



## 訂購型號

### 型號

<b>EL9100-X1B</b>	10/100/1000BASE-TX to 1000BASE-SX/LX/BX Hardened Media Converter
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### Gigabit Port Options (X)

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

\* DIN-Rail mounting kit included.

### Optional Accessories

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



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