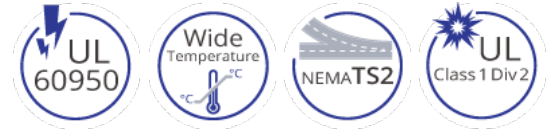


## EL900 系列

強固級 10/100BASE-TX -100BASE-FX 光電轉換器



## 產品介紹

EL900系列為一款強固級10/100BASE-T轉100BASE-SX-LX之光電轉換器，專為嚴苛環境所設計，配備1個10/100Base RJ-45網路埠及1個100Base-FX光纖埠。EL900支援三組電源輸入、斷線告警、Link-Fault-Pass-Through等功能，並具有反極性保護級過電流保護設計。EL900採工業等級設計可防衝擊、防震動及抗電磁波干擾，在-40到75°C寬溫環境下可持續穩定運作。

EtherWAN — "When Connectivity is Crucial."

## 產品亮點

### 符合ISA 12.12.01 防爆認證標準

» 通過ISA 12.12.01 Class I, Division 2 classified 防爆認證，可應用於煉油廠、礦場等特殊環境

### 強固等級設計

» IP30的外殼堅固耐用、可寬溫操作(-40到75°C)

### 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斷訊，LFPT會中斷乙太網路(RJ-45)埠之連線，並告知連線之設備網路連線已中斷

## 產品規格

### 技術

#### 標準

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX and 100BASE-FX
- IEEE 802.3x Full duplex and flow control

#### Forward and Filtering Rate

- 14,880pps for 10Mbps
- 148,810pps for 100Mbps

#### 緩衝記憶體封包

- 128K bits

#### 傳輸型式

- Store-and-Forward
  - Auto Negotiation
  - Half-duplex back-pressure and IEEE 802.3x full-duplex flow control
  - Auto MDI/MDIX
- 

### 電源

#### 輸入電壓

- 10-48VDC (DC Terminal Block)
- 12VDC (DC Jack) or 24VAC, 0.185A (AC Terminal Block)

#### 電力功耗

- 4.32W MAX. 0.36A@12VDC, 0.09A@48VDC

#### Protection

- 過電流保護
  - 反極性保護
- 

### 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

- 10/100BASE-TX: 1 port
- 100BASE-FX: 1 port

### LED 指示燈號

- Per Unit: Power, LFPT
- Per 10/100TX Port: Link/Activity, Full-duplex/Collision, Speed
- Per 100FX port: Link/Activity, Full-duplex/Collision

### Relay Contact

- Relay contact rating with current 0.6A/30VDC
- 

## 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

## **Safety**

ISA 12.12.01

- Class 1, Division 2 group A, B, C & D for hazardous locations

UL 60950-1

EN 60950-1

IEC 60950-1

## **EMI**

FCC Part 15B Class A

VCCI Class A

EN 55022

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 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)

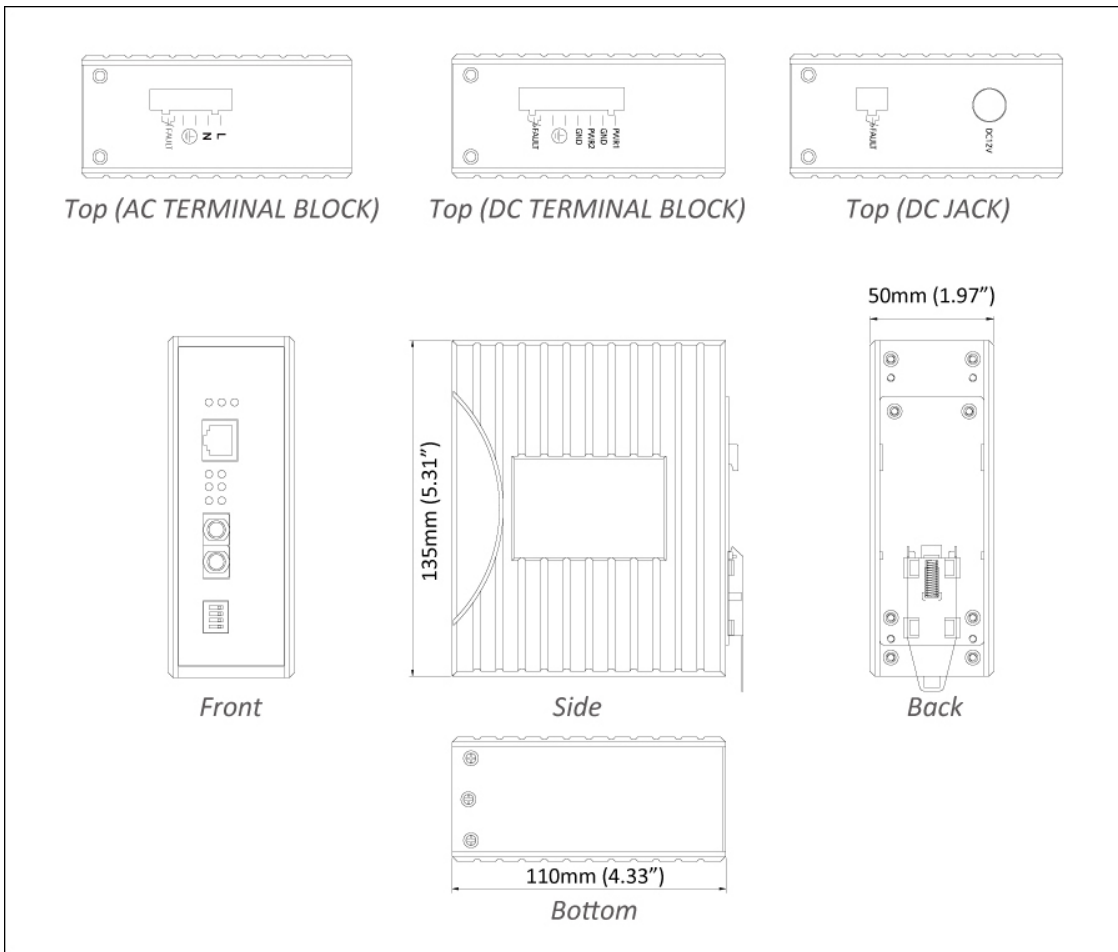
IEC 60068-2-27 Ea (Shock)

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

NEMA TS1/2

- Environmental requirements for traffic control equipment
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## 產品尺寸圖



## 訂購型號

### 型號

<b>EL900-A-Y-1-P</b>	10/100BASE-TX to 100BASE-FX Hardened Media Converter
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\* DIN-Rail mounting kit included.

### 100FX Fiber Options (Y)

<b>B</b>	Multi Mode (SC) - 2Km (1310nm)
<b>C</b>	Multi Mode (ST) - 2Km (1310nm)
<b>D</b>	Multi Mode (SC) WDM-TX: 1310nm/RX: 1550nm-2Km
<b>E</b>	Multi Mode (SC) WDM-TX: 1550nm/RX: 1310nm-2Km
<b>F</b>	Multi Mode (SC) WDM-TX: 1310nm/RX: 1550nm-5Km
<b>G</b>	Multi Mode (SC) WDM-TX: 1550nm/RX: 1310nm-5Km
<b>Q</b>	Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-20Km
<b>R</b>	Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-20Km
<b>S</b>	Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-40Km
<b>T</b>	Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-40Km
<b>M</b>	Single Mode (ST) - 20Km (1310nm)
<b>N</b>	Single Mode (SC) - 20Km (1310nm)
<b>O</b>	Single Mode (SC) - 40Km (1310nm)

### Power Connector Options (P)

<b>A</b>	DC Terminal Block
<b>B</b>	DC Jack
<b>C</b>	24VAC Terminal Block

### Optional Accessories

<b>KP-AA96-480</b>	Panel mounting Kit
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<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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