

## 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

### + Technology

#### Standards

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

#### Packet Buffer Memory

128K bits

#### Processing Type

Store-and-forward  
Auto Negotiation  
Half-Duplex back-pressure and IEEE 802.3x Full-Duplex flow control  
Auto MDI/MDIX

### + Power

#### Input

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

#### Power Consumption

4.32W Max  
0.36A@12VDC  
0.09A@48VDC

#### Protection

Overload Current Protection  
Reverse Polarity Protection

### + Mechanical

#### Casing

Aluminum Case  
IP30

#### Dimensions

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

#### Weight

0.8Kg (1.76lbs.)

#### Installation

DIN-Rail (top hat type 35mm) or panel mounting

### + Interface

#### Ethernet Ports

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

#### LED Indicators

Per Unit: Power1, Power2, Alarm  
Per 10/100BASE-TX port: Link/Activity, 100, Full-Duplex/Collision, LFPT  
Per 100BASE-FX port: Link/Activity, Full-Duplex/Collision

#### Relay Contact

Dry contact with current 0.6A/30VDC

### + 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

ISA 12.12.01

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

#### EMC

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

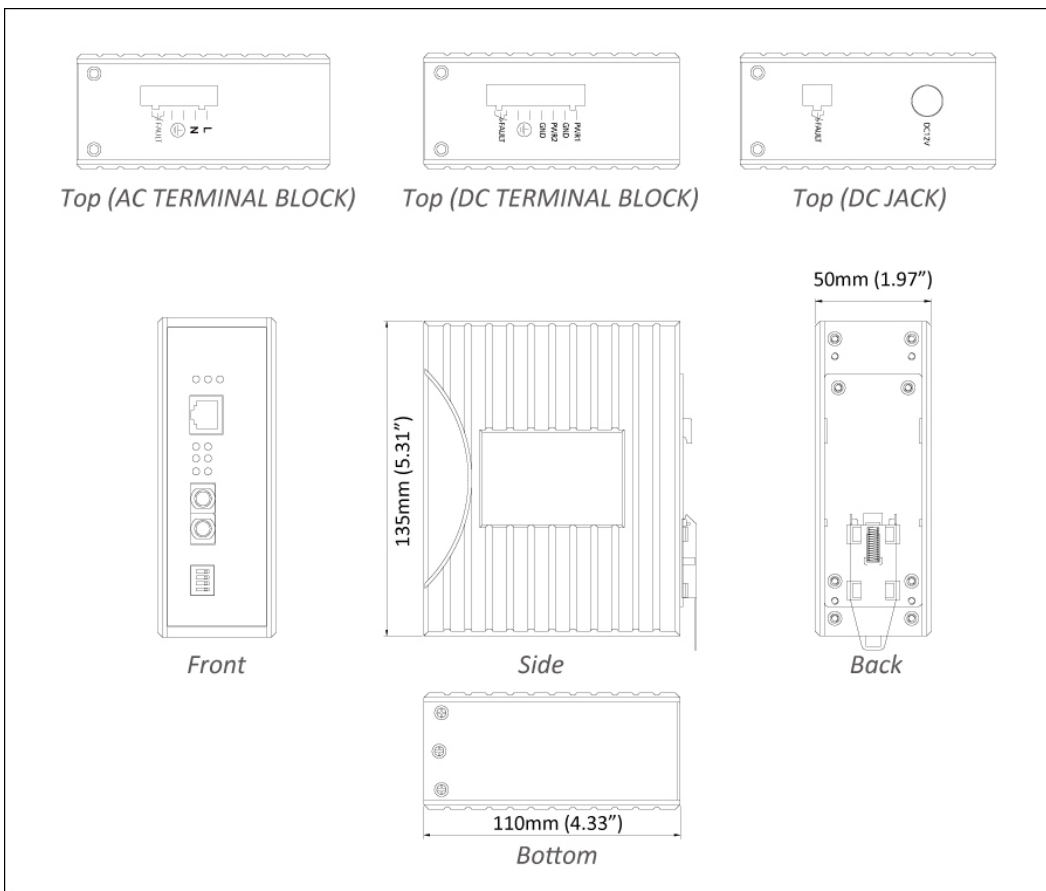
- EN 61000-4-2 (ESD Standards)
- EN 61000-4-3 (Radiated FRI Standards)
- EN 61000-4-4 (Burst Standards)
- EN 61000-4-5 (Surge Standards)
- EN 61000-4-6 (Induced RFI Standards)
- EN 61000-4-8 (Magnetic Field Standards)

#### 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)  
 IEC 60068-2-27 Ea (Shock)  
 NEMA TS1/2  
 \* Environmental requirements for traffic control  
 equipment

## 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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