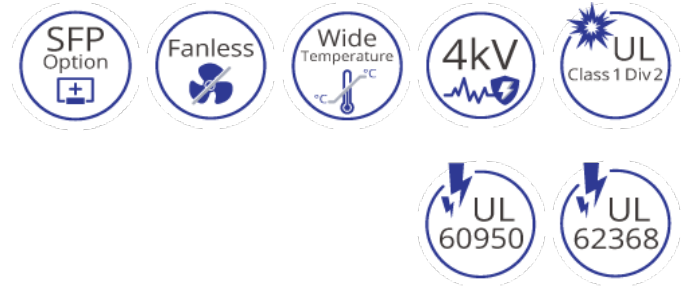


## EX94000 系列

強固級非網管 4-8埠10/100BASE-TX +1-2埠100BASE-FX 乙太網路交換器



### 產品介紹

EX94000系列為強固級非網管鋁軌式安裝機型，支援12到48VDC雙電源備援輸入，具備斷線或斷電告警機制。

EX94000內建8個10/100BASE乙太網路連接埠或RJ45網路埠及2個100BASE-FX光纖埠，支援10/100Mbps傳輸速率，full/half-duplex auto-negotiation和auto MDI/MDIX選擇，能彈性應用於多種解決方案，產品內建4kV突波保護設計功能，符合危險場域安全認證(Class 1 Div.2)，避免終端設備因突波衝擊受到損害。

EX94000 支援full wire speed Fast Ethernet throughput，QoS (Quality of Service)，IEEE 802.3az EEE (Energy Efficient Ethernet)和廣播風暴防護(透過指剝開關設定)，並支援IEEE 802.3x自動協商功能、全雙工/半雙工流量控制、自動MDI/MDI-X跳線偵測、線性、無風扇設計。當電源故障或通訊中斷，繼電器會自動發出警報，協助快速診斷並排除異常。

EtherWAN — "When Connectivity is Crucial."

## 產品亮點

### 強固等級設計

- » 寬溫操作(-40到75°C)

### 廣播風暴防護

- » 透過指撥開關設定廣播風暴防護，可彈性搭配工業應用環境

### 光纖介面連接

- » 最高支援1個100BASE-FX埠，彈性搭配SC、ST、WDM或SFP組合

### 高突波防護設計

- » 支援4Kv突波防護
- » 符合危險場域安全認證(Class 1 Div.2)

### 高可靠性能

- » 無風扇設計
- » 全機體固定設計，無可活動零件

## 產品規格

### 技術

#### 標準

- IEEE 802.3u 100BASE-TX/FX
- IEEE 802.3x full-duplex flow control
- IEEE 802.3az Energy Efficient Ethernet
- IEEE 802.1p Quality of Service (QoS)

#### Forward and Filtering Rate

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

#### 緩衝記憶體封包

- 448K 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

#### MAC地址表

- 1K MAC addresses
- 

### 電源

#### 輸入電壓

- 12-48VDC (Terminal Block)

#### 電力功耗

- 12VDC@4.34W, 24VDC@4.57W, 48VDC@6.28W

#### 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

- 0.62Kg (1.37lbs)

### 安裝方式

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

## 介面

### 乙太網路埠

- 10/100BASE-TX: 8, 6 or 4 ports
- 100BASE-FX: 0, 2 or 1 ports

### LED 指示燈號

- Per Unit: Power 1 (Green), Power 2 (Green), Fault (Red)
- Per Port: Link/Activity (Green)

### DIP Switches

- Enable/Disable Port fault alarm
- Enable/Disable Broadcast Storm Protection

### Alarm Contact

- One relay output with current 1A@250VAC
  - Supports normal close and normal open
- 

## 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

### Safety

UL 60950

UL 62368

ISA 12.12.01 Class I Div. 2

### EMI

FCC Part 15B Class A

VCCI Class A

EN 61000-6-4

EN 61000-3-2

EN 61000-3-3

EN 55022 Class A

### 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)

Signal ports:  $\pm 4\text{kV}$  line-to-earth

DC power ports:  $\pm 4\text{kV}$  line-to-earth  $\pm 2\text{kV}$  line-to-line

- EN 61000-4-6 (Induced RFI Standards)
- EN 61000-4-8 (Magnetic Field Standards)

### Environmental Test Compliance

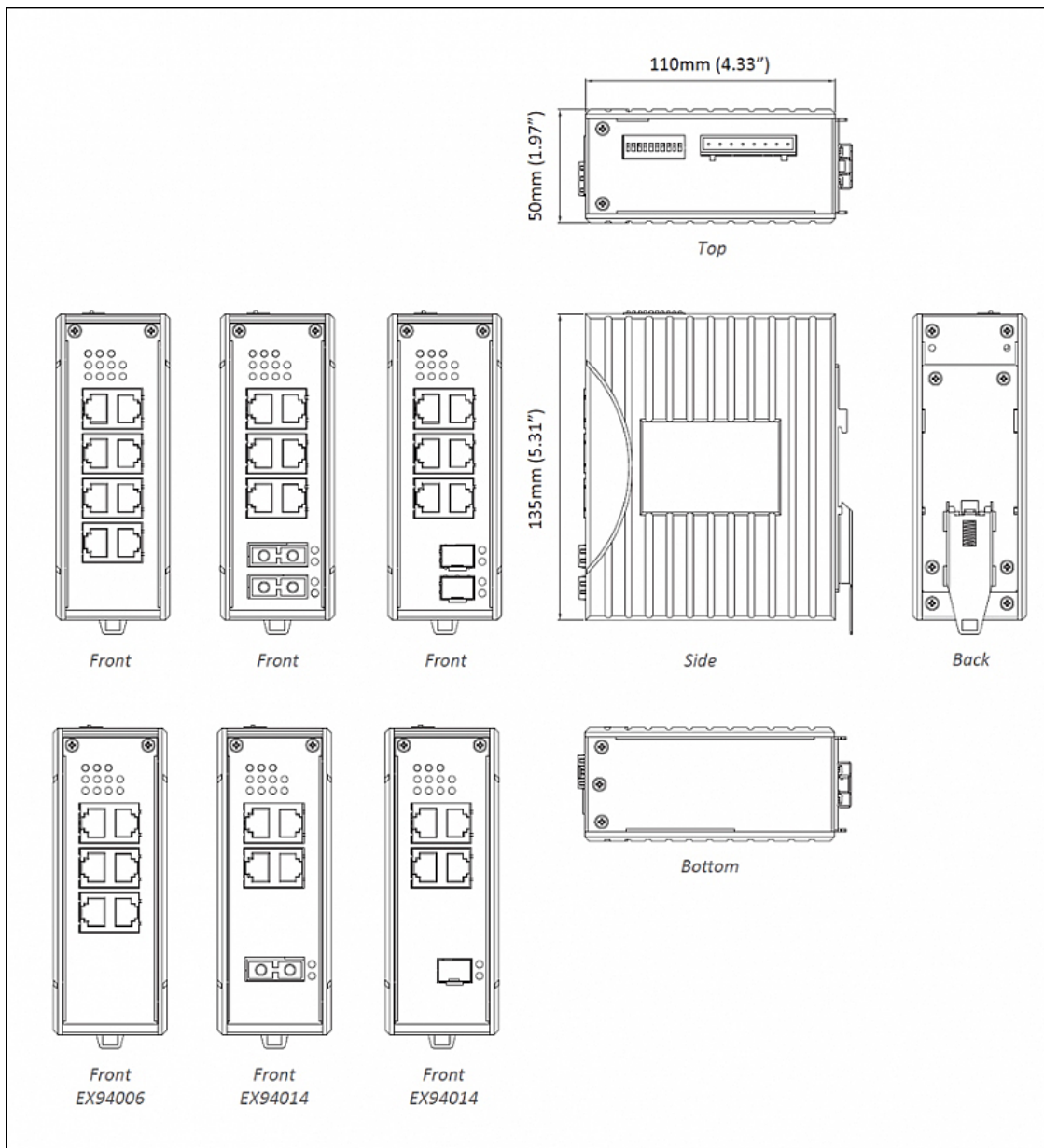
IEC 60068-2-6 Fc (Vibration)

IEC 60068-2-27 Ea (Shock)

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

• Tested with Cross Weight and Drop High standard table

## 產品尺寸圖



## 訂購型號

### 型號

EX94008-00-1-AA	8-port 10/100BASE-TX Hardened Unmanaged Ethernet Switch
EX94006-00-1-AA	6-port 10/100BASE-TX Hardened Unmanaged Ethernet Switch
EX94026-XY-1-AA	6-port 10/100BASE-TX +2-port 100BASE-FX Hardened Unmanaged Ethernet Switch
EX94014-XY-1-AA	4-port 10/100BASE-TX +1-port 100BASE-FX Hardened Unmanaged Ethernet Switch

\* DIN-Rail mounting kit included.

### 100FX Fiber Options (XY)

1A	Multi Mode (SC) - 2Km
1B	Multi Mode (ST) - 2Km
2A	Single Mode (SC) - 20Km
2D	Single Mode (ST) - 20Km
2E	Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-20Km
2G	Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-20Km
V	100BASE SFP

\* More 100FX Fiber options also available upon request.

### Optional Accessories

KP-AA96-480	Panel Mounting Kit
KR-BKEL900	Rack Mounting Kit
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



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