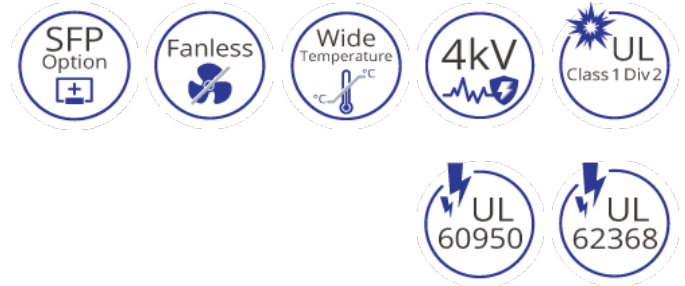


## EX94000 系列

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(透過指撥開關設定)，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

### + Technology

#### Standards

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

#### Packet Buffer Memory

448K bits

#### Processing Type

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

#### Address Table Size

1K MAC addresses

### + Interface

#### Ethernet Ports

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

#### LED Indicators

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

### + Environmental

#### Operating Temp.

-40 to 75°C (-40 to 167°F)  
Tested @ -40 to 85°C (-40 to 185°F)

#### Storage Temp.

-40 to 85°C (-40 to 185°F)

#### Relative Humidity

5% to 95% (non-condensing)

## + Power

### Input Voltage

12-48VDC (Terminal Block)

### Power Consumption

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

### Protection

Reverse Polarity Protection

## + Mechanical

### Casing Material

Aluminum Case

### IP Rating

IP30

### Dimensions

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

### Weight

0.62Kg (1.37lbs)

### Installation

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

## + Regulatory

### ISO

Manufactured in ISO-9001 facility

### 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)

- EN 61000-4-3 (Radiated RFI)

- EN 61000-4-4 (Burst)

- EN 61000-4-5 (Surge)

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

DC power ports:

•  $\pm 4$ kV line-to-earth

•  $\pm 2$ kV line-to-line

- EN 61000-4-6 (Induced RFI)

- EN 61000-4-8 (Magnetic field)

### Safety

UL 60950

UL 62368

### Environmental Test Compliance

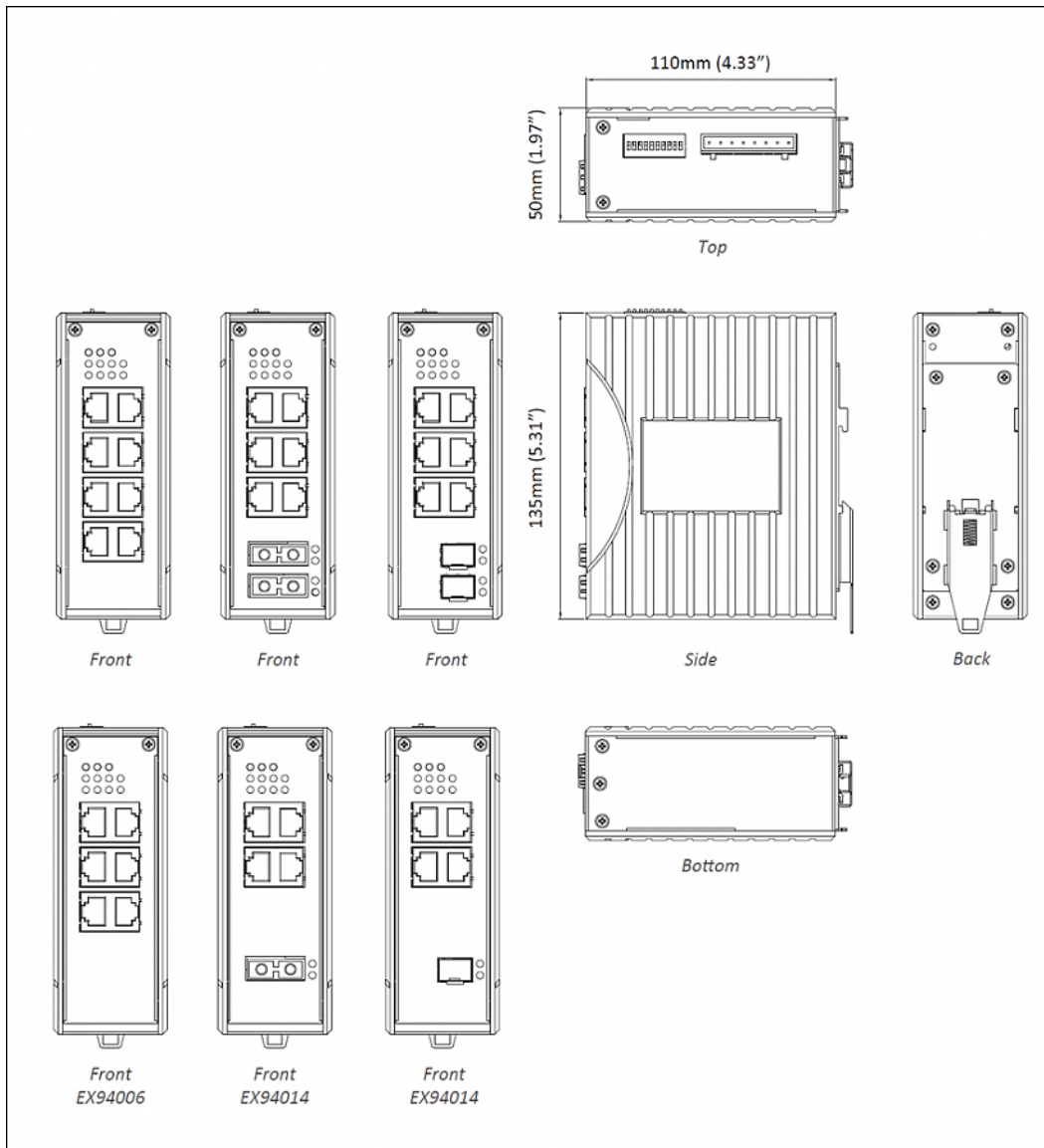
IEC 60068-2-6 Fc (Vibration)

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

