# 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

## 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: ±4kV line-to-earth
DC power ports:
• ±4kV line-to-earth
• ±2kV line-to-line

- EN 61000-4-6 (Induced RFI)

- EN 61000-4-8 (Magnetic field)

**Safety**

UL 60950

UL 62368

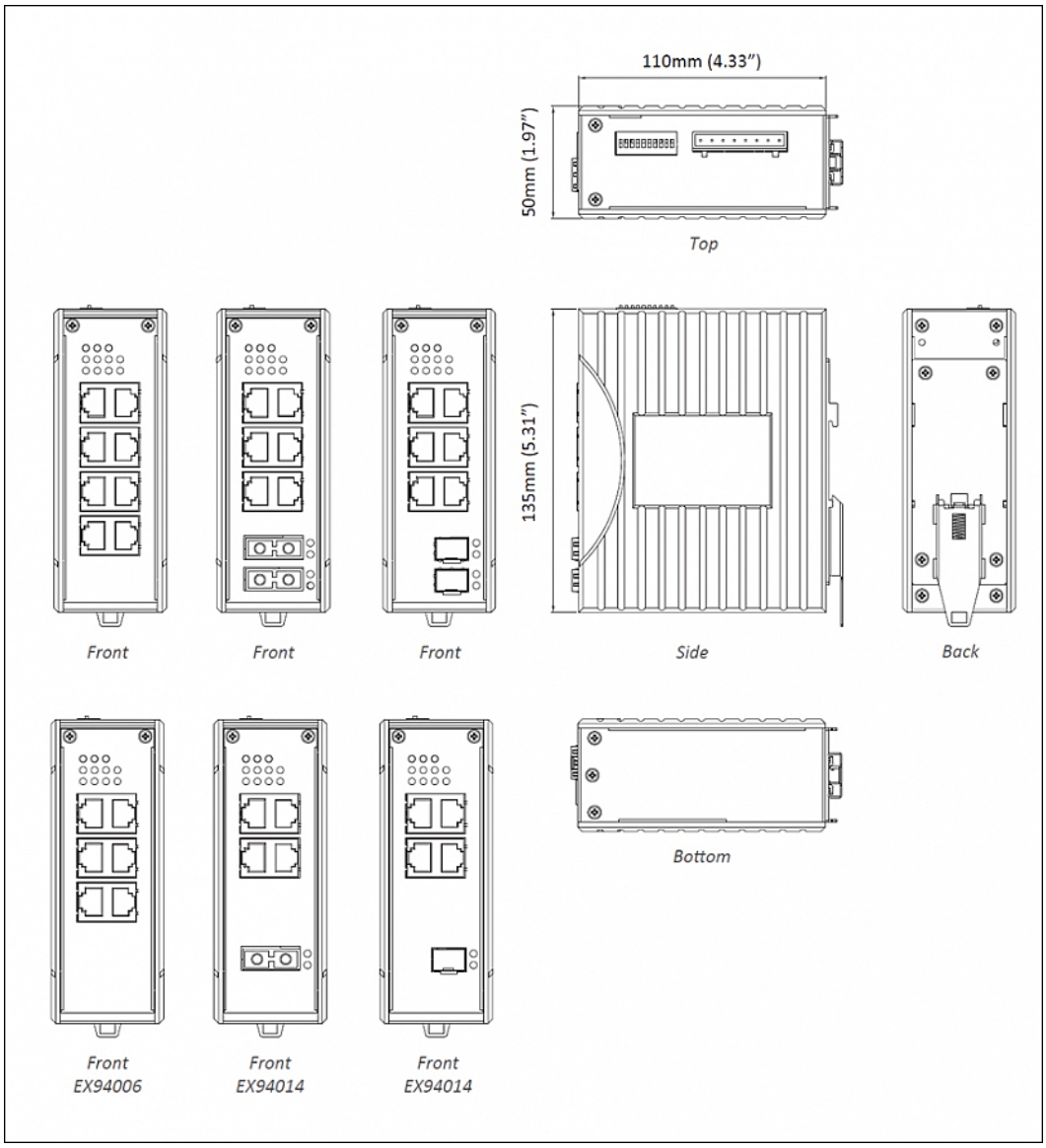
**Environmental Test Compliance**

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


110mm (4.33")
50mm (1.97")
Top
135mm (5.31")
Front
Front
Front
Side
Back
Front
EX94006
Front
EX94014
Front
EX94014
Bottom

# 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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