

## EX33000 系列

工業級非網管 14-16埠10/100BASE-TX +2埠100BASE-FX 乙太網路交換器



### 產品介紹

EX33000系列為工業級非網管鋁軌式安裝之機型，具備16個10/100BASE乙太網路連接埠或RJ45網路埠搭配2個100BASE-FX光纖埠之組合以支援長距離傳輸。

EX33000系列雖屬非網管機型，但支援全線速頻寬傳輸、Store-and-Forward、Auto Negotiation和Auto MDI/MDIX，並提供12-48VDC備援雙電源輸入，工業等級設計可在-10到60°C溫度環境下穩定運作，於嚴峻的專案規劃佈局中扮演致勝的關鍵角色。

EtherWAN — "When Connectivity is Crucial."

### 產品亮點

#### + 工業等級設計

操作溫度(-10 到 60°C)

#### + 支援多種安裝方式

鋁軌式、平面式或機架式安裝

#### + 光纖介面連接

最高支援2個100BASE-FX埠，彈性搭配SC、ST或WDM組合

## 產品規格

### + 技術

#### 標準

IEEE 802.3, 10BASE-T

IEEE 802.3u 100BASE-TX/100BASE-FX

IEEE 802.3x Full duplex and flow control

#### Forward/Filtering Rate

14,880pps for 10Mbps

148,810pps for 100Mbps

#### 緩衝記憶體封包

1.625M 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

4096 MAC addresses

#### Latency

Less than 10 $\mu$ s

### + 介面

#### 乙太網路埠

10/100BASE-TX: 16, 15 or 14 ports

100BASE-FX: 0, 1 or 2 ports

#### LED 指示燈號

Per Unit: Power 1 (Green), Power 2 (Green), Power 3 (Green)

Per Port: Link/Act

#### Alarm Contact

One relay output with current 1A@24VDC

### + 環境

#### 工作溫度

-10 to 60°C (14 to 140°F)

Tested @ -20 to 70°C (-4 to 158°F)

#### 儲存溫度

-40 to 85°C (-40 to 185°F)

#### 工作濕度

5% to 95% (無凝結)

## + 電源

### 輸入電壓

Redundant power inputs:  
12 to 48VDC (Terminal Block),  
12VDC (DC Jack)

### 電力功耗

7.4W Max. 0.6A@12VDC, 0.3A@24VDC,  
0.15A@48VDC

## + 機構

### 機殼

Aluminum Case

### IP Rating

IP30

### 尺寸

69 x 110 x 135mm (W x D x H) (2.72" x 4.33" x  
5.31")

### 重量

0.87Kg (1.92lbs.)

### 安裝方式

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

## + 通過認證

### ISO

Manufactured in ISO-9001 facility

### EMI

FCC Part 15B Class A

VCCI Class A

EN 61000-6-4

EN 55022

EN 61000-3-2

EN 61000-3-3

### 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)

- EN 61000-4-6 (Induced RFI)

- EN 61000-4-8 (Magnetic field)

### Safety

UL 508

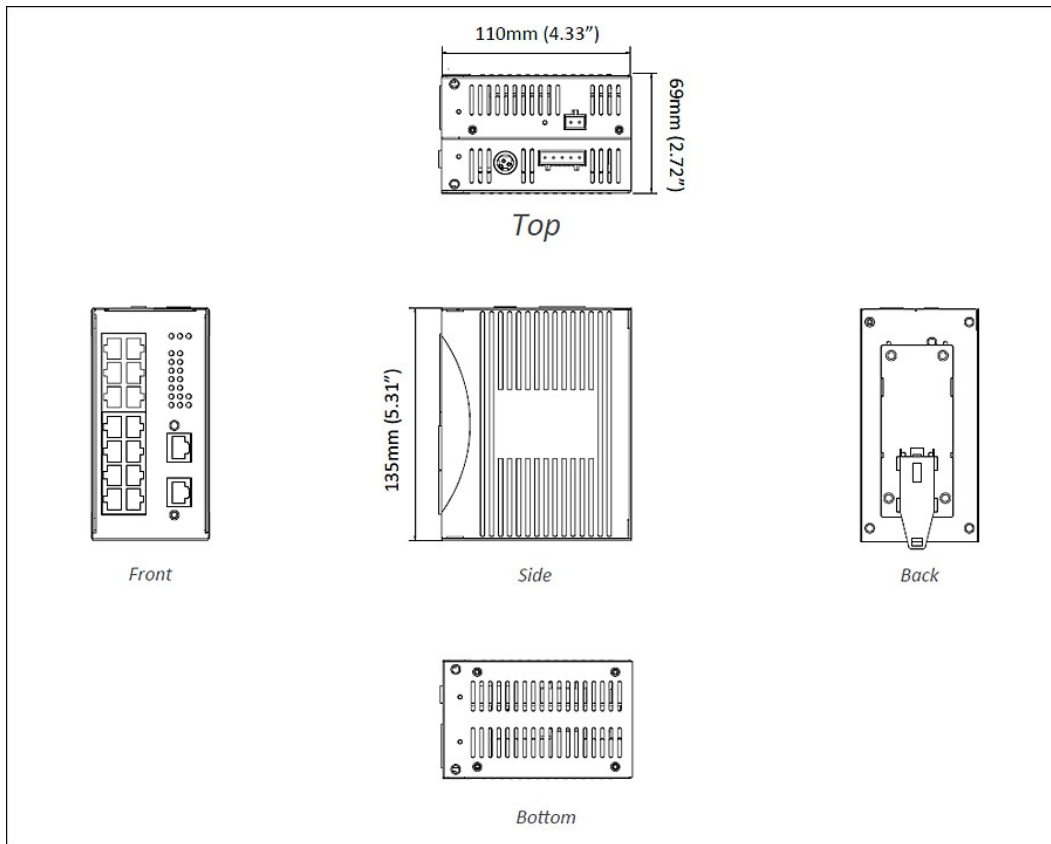
### Environmental Test Compliance

IEC 60068-2-6 Fc (Vibration)

IEC 60068-2-27 Ea (Shock)

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

# 產品尺寸圖



## 訂購型號

### + 型號

<b>EX33160-00B</b>	16-port 10/100BASE-TX Industrial Unmanaged Ethernet Switch
<b>EX33151-X0B</b>	15-port 10/100BASE-TX +1-port 100BASE-FX Industrial Unmanaged Ethernet Switch
<b>EX33142-X0B</b>	14-port 10/100BASE-TX +2-port 100BASE-FX Industrial Unmanaged Ethernet Switch

\* DIN-Rail mounting kit included.

### + 100FX Fiber Options (X)

<b>1</b>	Multi Mode (SC) - 2Km
<b>2</b>	Multi Mode (ST) - 2Km
<b>6</b>	Multi Mode (SC) WDM-TX: 1310nm/RX: 1550nm-2Km
<b>7</b>	Multi Mode (SC) WDM-TX: 1550nm/RX: 1310nm-2Km
<b>8</b>	Multi Mode (SC) WDM-TX: 1310nm/RX: 1550nm-5Km
<b>9</b>	Multi Mode (SC) WDM-TX: 1550nm/RX: 1310nm-5Km
<b>A</b>	Single Mode (SC) - 20Km
<b>B</b>	Single Mode (SC) - 40Km
<b>H</b>	Single Mode (ST) - 20Km
<b>P</b>	Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-20Km
<b>Q</b>	Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-20Km
<b>R</b>	Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-40Km
<b>S</b>	Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-40Km

### + Optional Accessories

<b>KP-AA96-480</b>	Panel Mounting Kit
<b>KR-BK-43-400</b>	Rack Mounting Kit
<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

