

## 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

### + 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

### + 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)

### + 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)

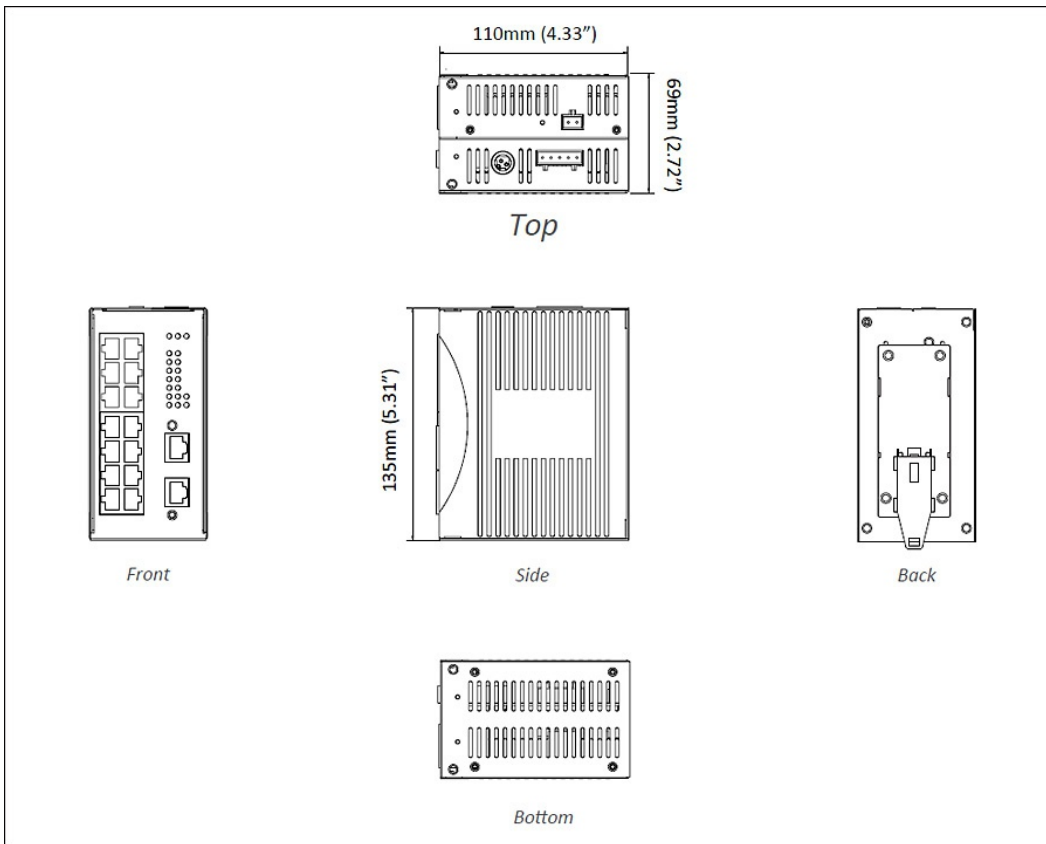
#### Safety

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

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

\* DIN-Rail mounting kit included.

### 100FX Fiber Options (X)

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

### Optional Accessories

KP-AA96-480	Panel Mounting Kit
KR-BK-43-400	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
EX41-145046-X	Power Supply 45W 12VDC with Open Wire (X) = 1: US, 2: EU, 3: UK, 4: AU, 5: JP, 6: SA
EX41-145044-X	Power Supply 45W 12VDC with Latch (X) = 1: US, 2: EU, 3: UK, 4: AU, 5: JP, 6: SA

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