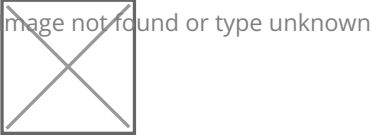


## EX42300 系列

強固級非網管 4 埠 10/100BASE (4 x PoE) +1 埠 10/100/1000BASE-T +1 埠 1000BASE-X Gigabit 乙太網路交換器



### 產品介紹

EX42300 系列為輕巧型強固級鋁軌式安裝之機型，具備 6 埠 10/100BASE 乙太網路連接埠 ( 4 個 IEEE 802.3at PoE 埠) + 1 個 Gigabit RJ45 埠 + 1 個 Gigabit 光纖埠以支援遠距離傳輸，可彈性搭配 SFP 規格 其薄型化設計除了前面板的 LED 指示燈清楚地顯示 PoE、連線、電源、及 alarm 警示等狀態，背面也支援 DIN-Rail 軌道安裝，適合設置在較窄小的機櫃空間。

EX42300 Gigabit 光纖埠支援10K Jumbo Frame, full wire speed Gigabit throughput、QoS support，並符合 eco-friendly IEEE 802.3az EEE (Energy Efficient Ethernet) 標準。EX42300 強固級防護除了包涵 -40 到 75°C 的寬溫操作範圍，其網路傳輸埠有著特殊的電路板設計提供額外保護。當雷擊發生時，網路傳輸埠所傳輸的數據可確保無虞，無論其連接的是隔離/非隔離的電源供應器。

EtherWAN — "When Connectivity is Crucial."

## 產品亮點

### + PoE連接

1-4埠支援IEEE 802.3at PoE供電標準，最高每埠支援30W

### + 光纖介面連接

最高支援1個1000BASE-FX埠，彈性搭配SFP

### + 符合Energy Efficient Ethernet (EEE)

支援IEEE 802.3az標準

## 產品規格

### + 技術

#### 標準

IEEE 802.3 10BASE-T  
IEEE 802.3u 100BASE-TX/100BASE-FX  
IEEE 802.3ab 1000BASE-T  
IEEE 802.3z 1000BASE-SX/1000BASE-LX  
IEEE 802.3x Full duplex flow control  
IEEE 802.3az Energy Efficient Ethernet  
IEEE 802.1p Quality of Service (QoS)  
IEEE 802.3af/at Power over Ethernet (PoE)

#### Forward and Filtering Rate

14,880pps for 10Mbps  
148,810pps for 100Mbps  
1,488,100pps for 1000Mbps

#### 緩衝記憶體封包

1M 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

#### 巨大封包

10K bytes

#### MAC地址表

8192 MAC addresses

### + 電源

#### 輸入電壓

18-57VDC

### 電力功耗

Device: Max. 7W (Without PoE)

PoE Power Budget: 120W

### PoE Technology

Alternative A

Pins 1/2(+), 3/6(-)

### Protection

Reverse polarity protection

## + 機構

### 機殼

金屬材質

IP30

### 尺寸

30 x 100 x 149mm (W x D x H)

(1.18" x 4" x 5.96")

### 重量

0.34Kg (0.75lb.)

### 安裝方式

DIN-Rail

## + 介面

### 乙太網路埠

10/100BASE-TX: 4 ports

10/100/1000BASE-T: 1 port

1000BASE-X: 0 or 1 port

### LED 指示燈號

Per Unit: Power 1 (Green), Power 2 (Green), Alarm (Red)

Per Port: 10/100M (Green), 1000M (Amber)

Per PoE Port: PoE Status (Amber)

### **DIP Switches**

Enable/Disable Port fault alarm

Enable/Disable Broadcast Storm Protection

Enable/Disable Jumbo Frame

### **Alarm Contact**

One relay output with current 1A/250VAC

Supports 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% (non-condensing)

## **+ 通過認證**

### **ISO**

Manufactured in an ISO 9001 facility

### **Safety**

UL 60950

UL 61010 (EX42305/EX42315-V only)

### **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 RFI Standards)
- EN 61000-4-4 (Burst Standards)
- EN 61000-4-5 (Surge Standards)
- EN 61000-4-6 (Induced RFI Standards)
- EN 61000-4-8 (Magnetic Field Standards)

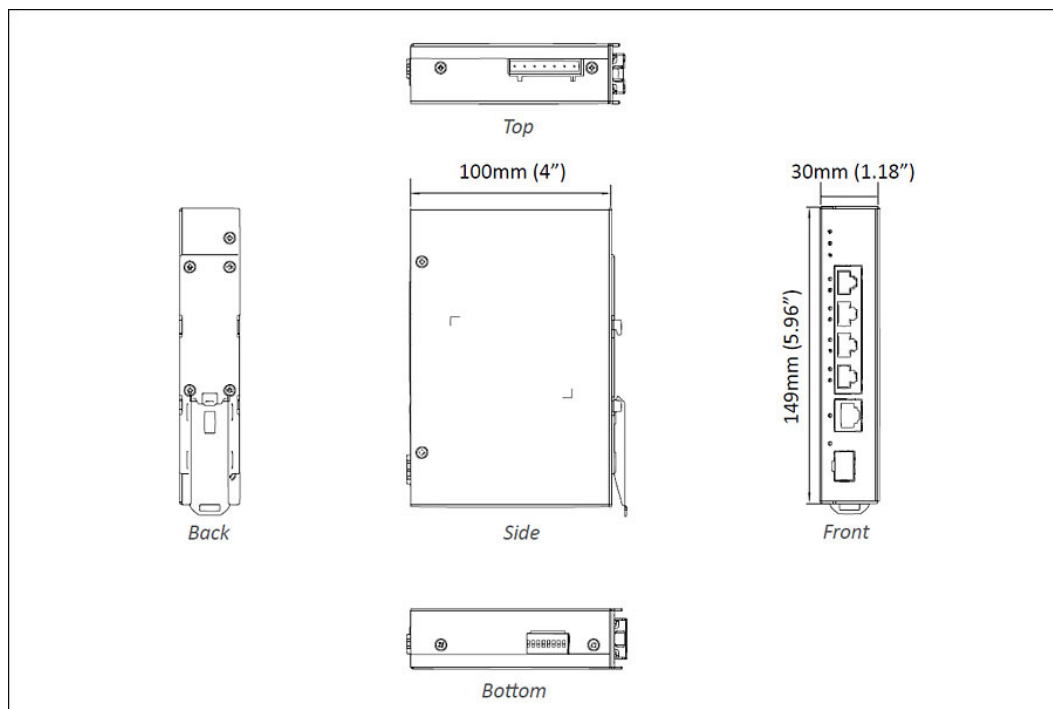
### Environmental Test Compliances

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

EX42305	4-port 10/100BASE-TX (4 x PoE) +1-port 10/100/1000BASE-T Gigabit Hardened Unmanaged Ethernet Switch
EX42315-V	4-port 10/100BASE-TX (4 x PoE) +1-port 10/100/1000BASE-T +1-port 1000BASE-X SFP Gigabit Hardened Unmanaged Ethernet Switch

\* DIN-Rail mounting kit included.

### + Optional Accessories

NDR-240-48	240W/5A DIN-Rail 48VDC Industrial Power Supply
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