

## 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

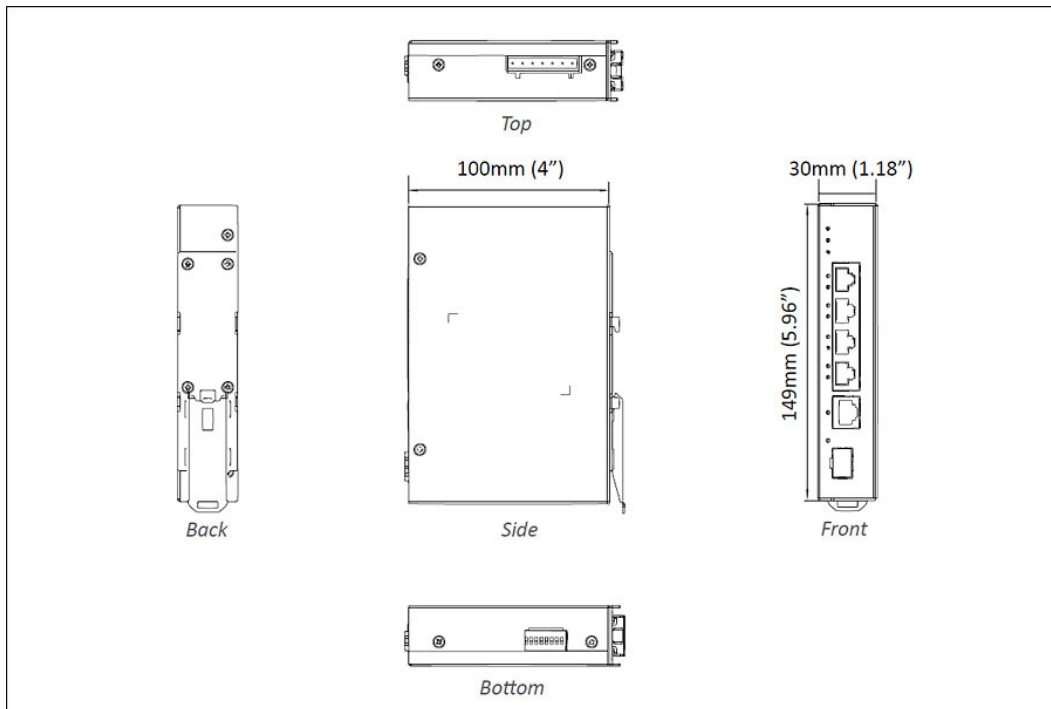
## EMS

- 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

