

## 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/SC/ST/WDM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

### 符合Energy Efficient Ethernet (EEE)

» 支援IEEE 802.3az標準

### 光纖介面連接

» 最高支援1個1000BASE-FX埠，彈性搭配SC、ST或SFP組合

## 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
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### 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
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## 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
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## 介面

### 乙太網路埠

- 10/100BASE-TX: 4 ports
- 10/100/1000BASE-T: 1 port
- 1000BASE-X: 0 or 1 ports

### 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
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## 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% (無凝結)
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## 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

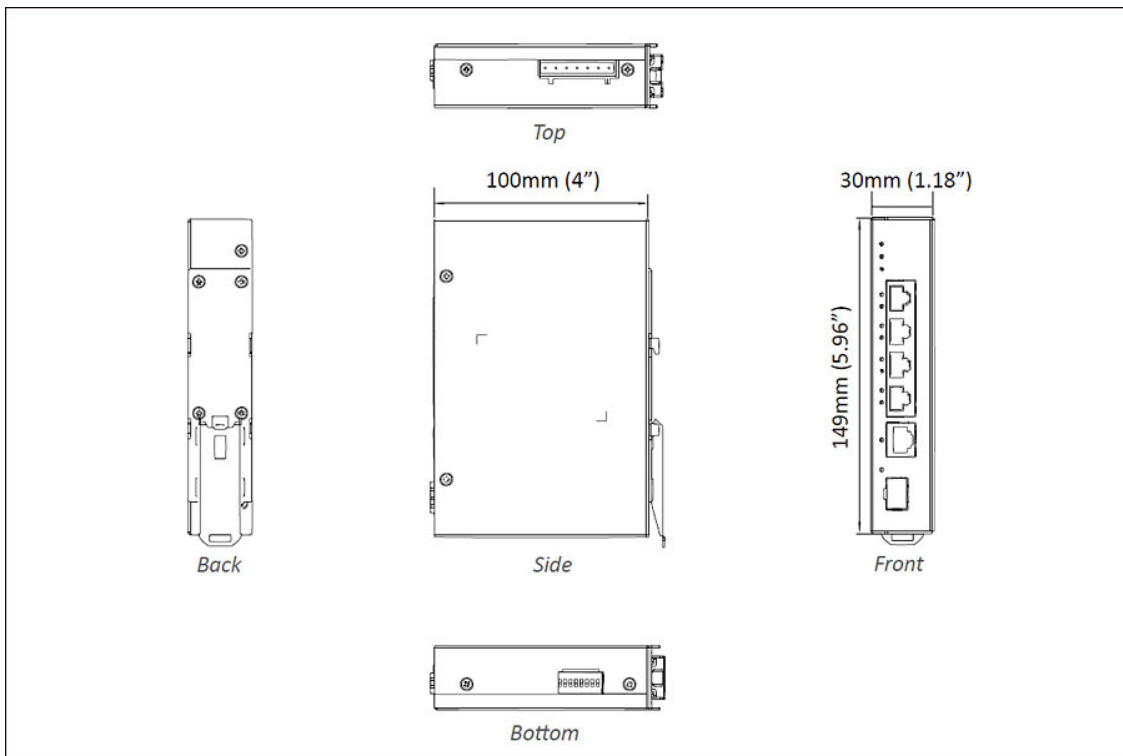
IEC 60068-2-6 Fc (Vibration)

IEC 60068-2-27 Ea (Shock)

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

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

\* DIN-Rail mounting kit included.

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### Optional Accessories

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