

## EX42900 系列

強固級非網管 5-8埠10/100/1000BASE-T +1埠1000BASE-X Gigabit 乙太網路交換器



### 產品介紹

EX42900系列為輕巧型強固級非網管鋁軌式安裝之機型，具備五或八個Gigabit乙太網路連接埠或Gigabit RJ45網路埠搭配1個Gigabit光纖埠之組合以支援長距離傳輸，適合使用於工廠工業自動化、IP影像監控、802.11n WiFi 無線網路連線等需要高頻寬同時也需節能減碳之應用環境。

EX42900系列雖屬非網管機型，但支援Jumbo Frame、full wire speed Gigabit throughput、QoS support，並符合eco-friendly IEEE 802.3az EEE (Energy Efficient Ethernet)標準。薄型化的設計支援軌道式(DIN-rail)安裝，十分適合安裝於有限的空間。前面板的LED指示燈可讓使用者清楚地檢視連線狀態以及電源狀態。

EtherWAN — "When Connectivity is Crucial."

## 產品亮點

### 強固等級設計

- » 寬溫操作(-40到75°C)

### 支援Jumbo Frame

- » 最高支援10K bytes (EX42905/EX42914系列)
- » 最高支援9720 bytes (EX42908/EX42917系列)

### 光纖介面連接

- » 最高支援1個1000BASE-FX埠，彈性搭配SC、ST組合

### 高可靠性能

- » 無風扇設計
- » 全機體固定設計，無可活動零件

## 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)

#### Forward and Filtering Rate

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

#### 緩衝記憶體封包

- EX42905/EX42914: 1M bits
- EX42908/EX42917: 192KB

#### 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

- EX42905/EX42914: 10K bytes
- EX42908/EX42917: 9720 bytes

#### MAC地址表

- EX42905/EX42914: 8K MAC addresses
- EX42908/EX42917: 4K MAC addresses

#### Broadcast Storm Protection Threshold (EX42908/EX42917 only)

- Limit 15000 fps@64 frame size, 600fps@1518 frame size.

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## 電源

### 輸入電壓

- 12-48VDC

### 電力功耗

- 6.5W Max. 0.25A@24VDC

### Protection

- Reverse polarity protection

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## 機構

### 機殼

- 金屬材質
- IP30

### 尺寸

- EX42905/EX42914:  
30 x 76.3 x 110mm (W x D x H)  
(1.18" x 3.05" x 4.4")
- EX42908/EX42917:  
30 x 100 x 149mm (W x D x H)  
(1.18" x 4" x 5.96")

### 重量

- EX42905/EX42914: 0.34Kg (0.75lb.)
- EX42908/EX42817: 0.39Kg (0.841lb.)

### 安裝方式

- DIN-Rail (Top hat type 35mm)

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## 介面

### 乙太網路埠

- EX42905/EX42914:  
10/100/1000BASE-T: 5 or 4 ports

1000BASE-X: 0 or 1 ports

- EX42908/EX42917:

10/100/1000BASE-T: 8 or 7 ports

1000BASE-X: 0 or 1 ports

### LED 指示燈號

- EX42905/EX42914:

Per Unit: Power (Green)

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

- EX42908/EX42917:

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

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

### Alarm Contact (EX42908/EX42917 only)

- One relay output with current 1A@250VAC
- Supports normal close and normal open

### DIP Switches (EX42908/EX42917 only)

- Enable/Disable Port fault alarm

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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 (EX42905/EX42914 Series only)

UL 62368 (EX42908/EX42917 Series only)

UL ISA 12.12.01 Class I Div. 2 (EX42908/EX42917 Series 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**

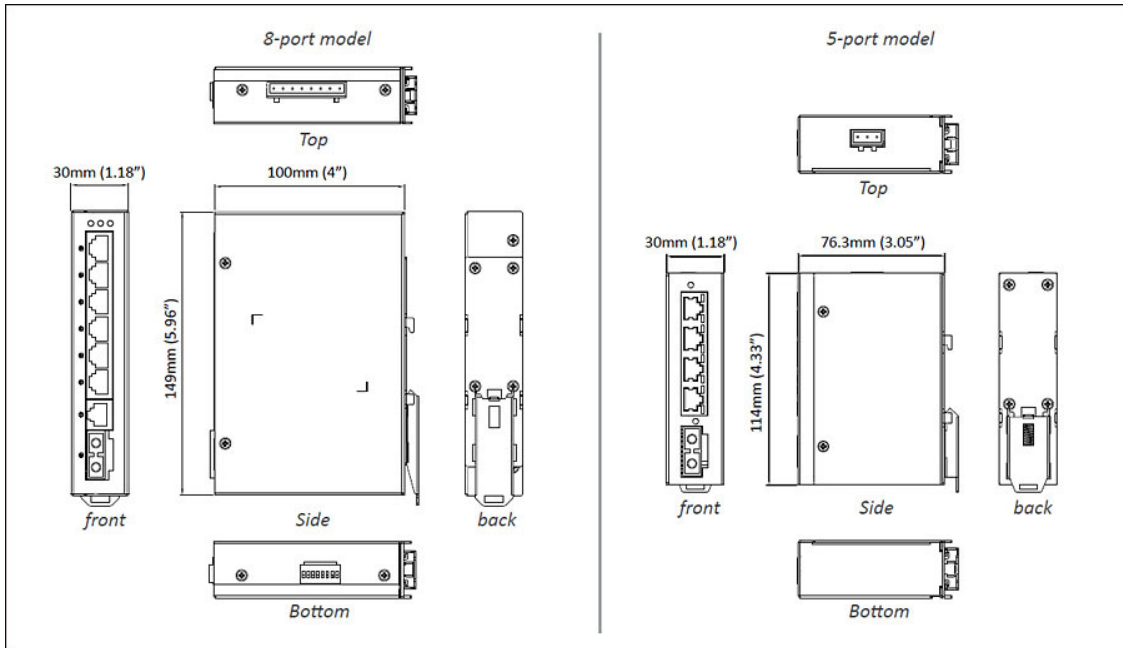
IEC 60068-2-6 Fc (Vibration)

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

EX42905	5-port 10/100/1000BASE-T Gigabit Hardened Unmanaged Ethernet Switch
EX42914-X	4-port 10/100/1000BASE-T +1-port 1000BASE-X Gigabit Hardened Unmanaged Ethernet Switch
EX42908	8-port 10/100/1000BASE-T Gigabit Hardened Unmanaged Ethernet Switch
EX42917-X	7-port 10/100/1000BASE-T +1-port 1000BASE-X Gigabit Hardened Unmanaged Ethernet Switch

\* DIN-Rail mounting kit included.

### Optical Port Options (X)

3	1000BASE-SX (SC) - 550m
5	1000BASE-SX (ST) - 550m
A	1000BASE-LX (SC) - 10km
R	1000BASE-BX (SC) WDM-TX: 1310nm/RX: 1550nm-20Km
S	1000BASE-BX (SC) WDM-TX: 1550nm/RX: 1310nm-20Km

### Optional Accessories

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

