

## EX42900 系列

強固級非網管 5 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)

#### + 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

#### 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

#### MAC地址表

EX42905/EX42914: 8K MAC addresses

### + 電源

#### 輸入電壓

12-48VDC

#### 電力功耗

6.5W Max. 0.25A@24VDC

#### Protection

Reverse polarity protection

### + 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")

#### 重量

EX42905/EX42914: 0.34Kg (0.75lb.)

#### 安裝方式

DIN-Rail (Top hat type 35mm)

## + 介面

### 乙太網路埠

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

### 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

## + 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 (EX42905/EX42914 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)

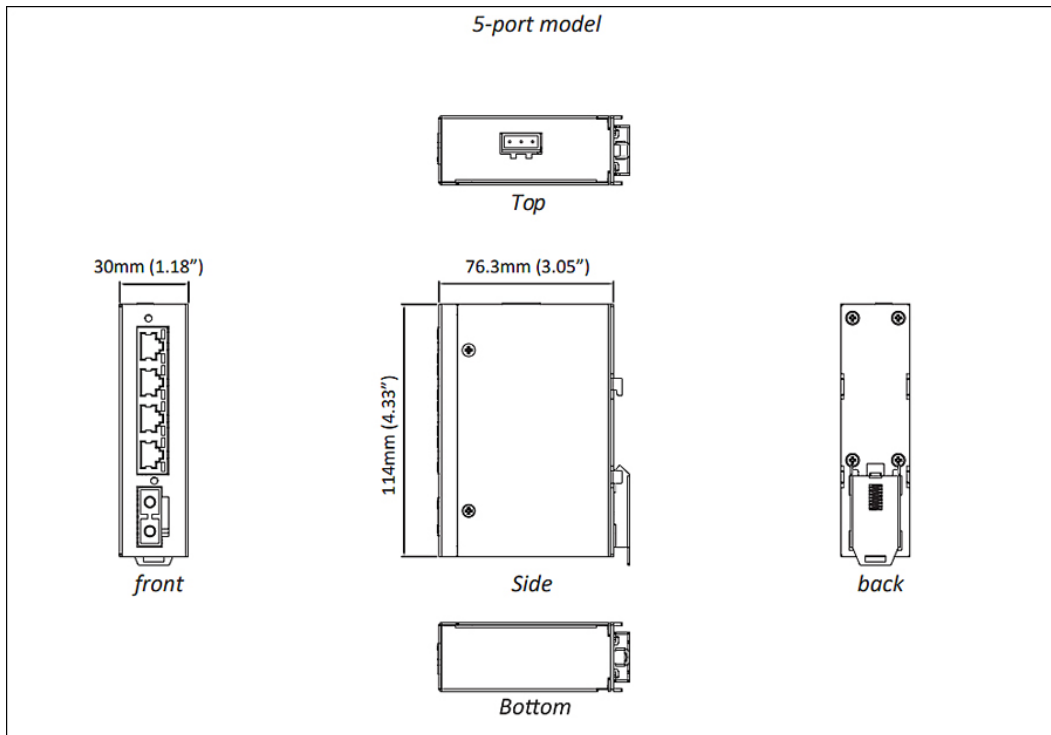
### Environmental Test Compliances

IEC 60068-2-6 Fc (Vibration)

IEC 60068-2-27 Ea (Shock)

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

## 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

\* 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



© EtherWAN Systems, Inc. All rights reserved. 20240830

EtherWAN is constantly developing and improving products. Specifications are subject to change without notice and without incurring any obligation.