

## EX45900 系列

強固級非網管 5 埠10/100/1000BASE (4 x PoE) +1 埠1000BASE-X Gigabit 乙太網路交換器



### 產品介紹

EX45900系列為強固級非網管PoE鋁軌式安裝乙太網路交換器，4埠支援PoE(IEEE 802.3at)及1個Gigabit光纖埠，支援遠距離傳輸。

EX45900系列屬非網管機型，支援10K Jumbo Frame、full wire Gigabit throughput、QoS，並符合eco-friendly IEEE 802.3az EEE (Energy Efficient Ethernet)標準。支援IEEE 802.3x自動協商功能、全雙工/半雙工流量控制、自動MDI/MDI-X跳線偵測、線性、無阻塞傳輸,無風扇設計。當電源故障或通訊中斷，可經由繼電器輸出警報，幫助現場人員快速診斷並排除異常。

其PoE網路埠，每埠最高可支援30W，總供電瓦數為120W，可廣泛應用於許多終端受電(PD)設備，例如PTZ球型攝影機、無線基地台及軌旁通訊設備等。EX45900系列專為嚴苛戶外環境設計打造，可在-40到75°C寬溫環境下穩定運作，於嚴苛的專案規劃佈局中扮演致勝的關鍵角色。

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，每埠最高可達30W

#### + 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

#### + 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: 5 ports  
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

**+ 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

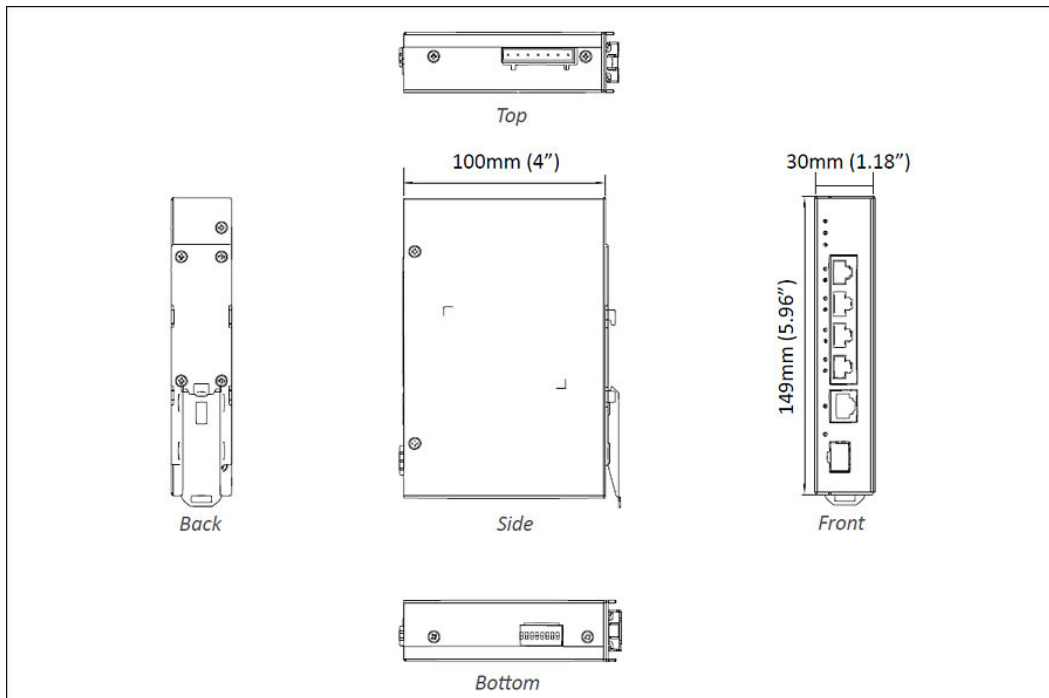
### EMS

- 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

### + Model

**EX45905** 5-port 10/100/1000BASE-T (4 x PoE) Gigabit Hardened Unmanaged Ethernet Switch

**EX45915-V** 5-port 10/100/1000BASE-T (4 x PoE) +1-port 1000BASE-X Gigabit Hardened Unmanaged Ethernet Switch

\* DIN-Rail mounting kit included.

### + Optional Accessories

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



© 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.