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)

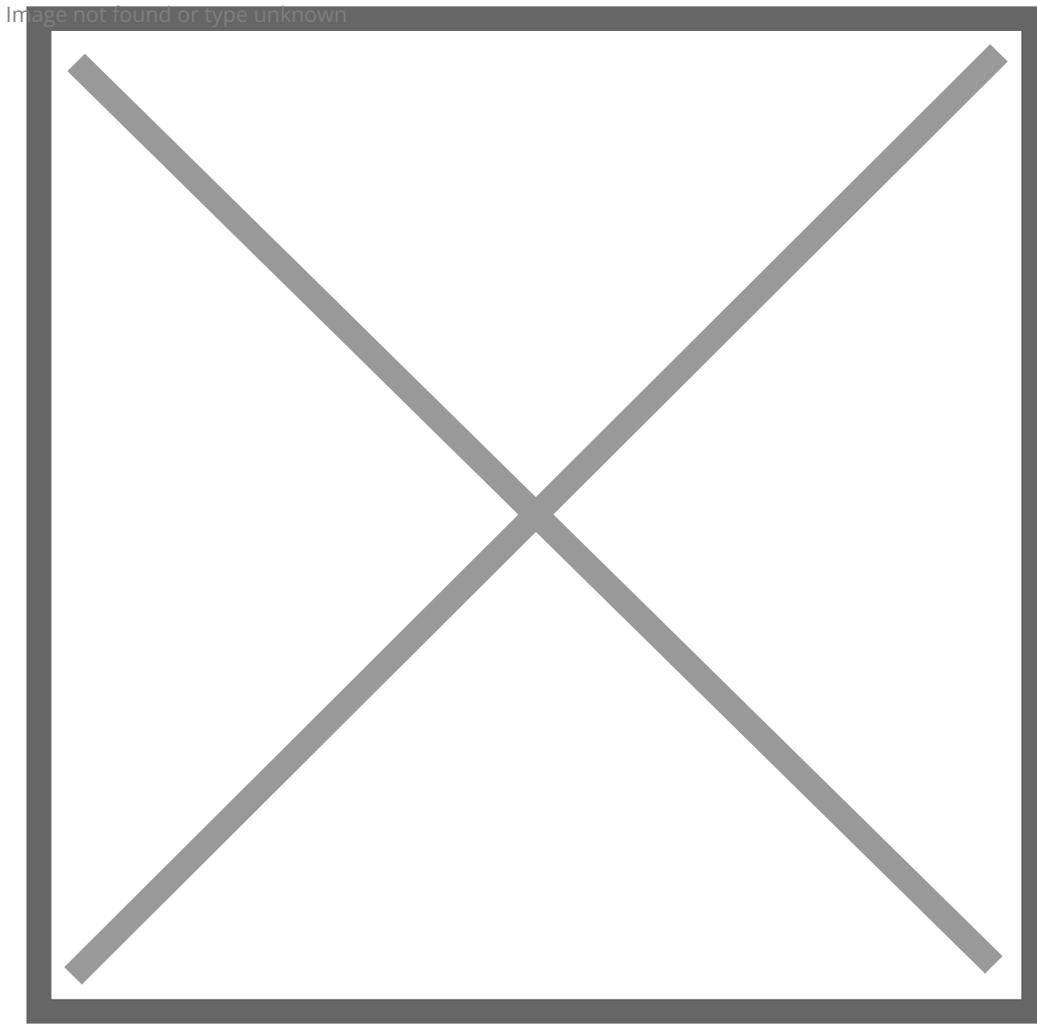-EN 61000-4-8 (Magnetic Field Standards)

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