

EX42000 系列

工業級非網管 4-5埠10/100BASE-TX +1埠100BASE-FX 乙太網路交換器



產品介紹

EX42000系列工業級非網管鋁軌式交換器，具備5個10/100BASE乙太網路連接埠或4個RJ45網路埠搭配1個100BASE-FX光纖埠之組合，有效支援長距離傳輸。支援10/100Mbps傳輸速率、full/half-duplex auto-negotiation和auto MDI/MDIX選擇，能彈性應用於多種解決方案。

EX42000系列功能相當完整，支援full wire speed Fast Ethernet throughput、QoS (Quality of Service)、廣播風暴防護、IEEE 802.3az EEE (Energy Efficient Ethernet)，並支援4kV突波保護。EX42000系列專為工業環境設計打造，可在-10到60°C寬溫環境下穩定運作，其輕巧外型設計針對工廠、倉庫和沒有氣溫控制之場域應用是最佳解決方案。

EtherWAN — "When Connectivity is Crucial."

產品亮點

工業等級設計

- » 操作溫度(-10到60°C)
- » 支援鋁軌式安裝

光纖介面連接

- » 最高支援1個100BASE-FX埠，彈性搭配SC、ST組合

高突波防護設計

- » 支援4Kv突波防護符合EN 61000-4-5標準

廣播風暴防護

- » 30 Frames / 10ms for 100Mbps
- » 30 Frames / 100ms for 10Mbps

產品規格

技術

標準

- IEEE 802.3u 100BASE-TX/FX
- 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

緩衝記憶體封包

- 448K 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

MAC地址表

- 1K MAC addresses
-

電源

輸入電壓

- Terminal block: 12-48VDC

電力功耗

- 1.82W Max. 0.14A@12VDC, 0.07A@24VDC, 0.038A@48VDC

Protection

- Reverse polarity protection
-

機構

機殼

- 塑膠外殼
- IP30

尺寸

- 26 x 70 x 110mm (W x D x H)
(1.02" x 2.76" x 4.33")

重量

- 0.2Kg (0.44lbs.)

安裝方式

- DIN-Rail (Top hat type 35mm)
-

介面

乙太網路埠

- 10/100BASE-TX: 5 or 4 ports
- 100BASE-FX: 0 or 1 port

LED 指示燈號

- Per Unit: Power (Green)
 - Per Port: Link/Activity (Green), Speed (Yellow)
-

環境

工作溫度

- -10 to 60°C (14 to 140°F)
Tested @ -20 to 70°C (-4 to 158°F)

儲存溫度

- -40 to 85°C (-40 to 185°F)

工作濕度

- 5% to 95% (無凝結)
-

通過認證

ISO

- Manufactured in an ISO 9001 facility

Safety

UL 62368

EMI

FCC Part 15B Class A

VCCI Class A

EN 61000-3-2

EN 61000-3-3

EN 61000-6-4

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)
Signal ports: $\pm 4\text{kV}$ line-to-ground
- EN 61000-4-6 (Induced RFI Standards)
- EN 61000-4-8 (Magnetic Field Standards)

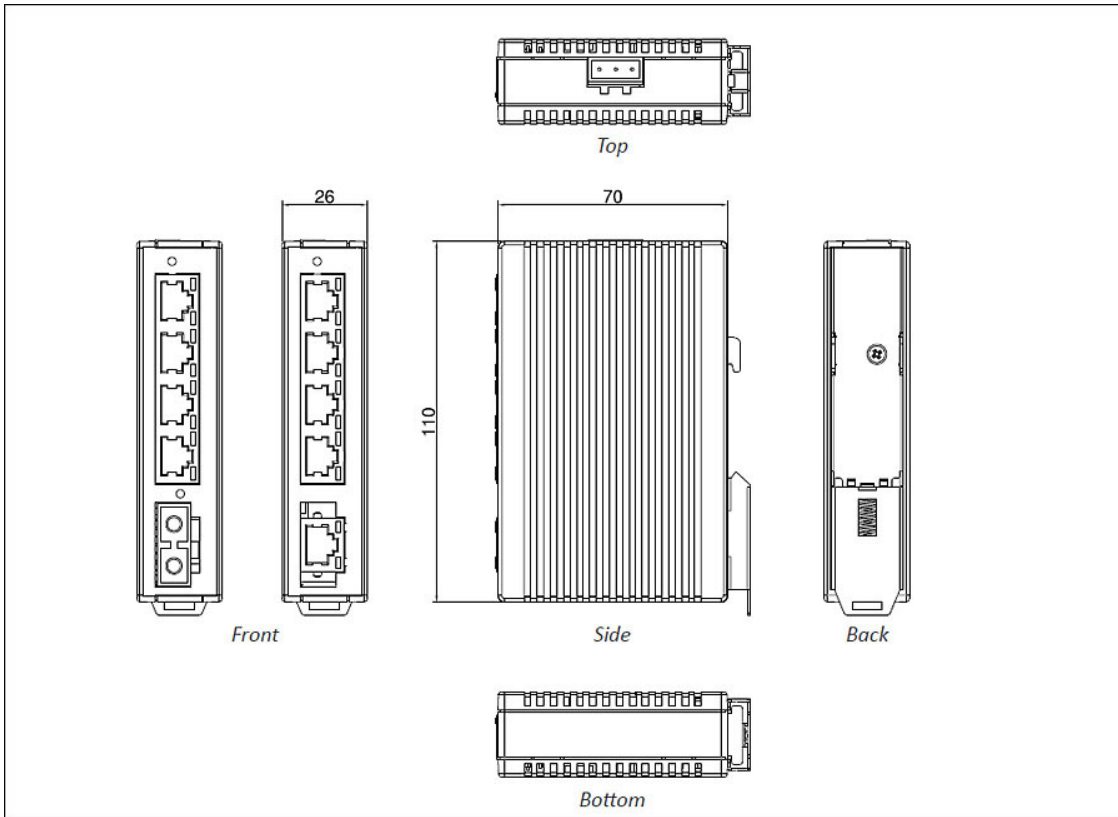
Environmental Test Compliances

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

| | |
|----------------|--|
| EX42005-00-1-A | 5-port 10/100BASE-TX Industrial Unmanaged Ethernet Switch with 4kV surge protection |
| EX42014-XY-1-A | 4-port 10/100BASE-TX +1-port 100BASE-FX Industrial Unmanaged Ethernet Switch with 4kV surge protection |

* DIN-Rail mounting kit included.

100FX Fiber Options (XY)

| | |
|----|---|
| 1A | Multi Mode (SC) - 2Km |
| 1B | Multi Mode (ST) - 2Km |
| 2A | Single Mode (SC) - 20Km |
| 2D | Single Mode (ST) - 20Km |
| 2E | Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-20Km |
| 2G | Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-20Km |

* More 100FX fiber options also available upon request.

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 |

