

EX42300 系列

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



產品介紹

本產品自2025年12月31日起停產。請點選 [此處](#) 尋找替代產品。

EX42300 系列為輕巧型強固級鋁軌式安裝之機型，具備 6 埠 10/100BASE 乙太網路連接埠 (4 個 IEEE 802.3at PoE 埠) + 1 個 Gigabit RJ45 埠 + 1 個 Gigabit 光纖埠以支援遠距離傳輸，可彈性搭配 SFP 規格 其薄型化設計除了前面板的 LED 指示燈清楚地顯示 PoE、連線、電源、及 alarm 警示等狀態，背面也支援 DIN-Rail 軌道安裝，適合設置在較窄小的機櫃空間。

EX42300 Gigabit 光纖埠支援 10K Jumbo Frame, full wire speed Gigabit throughput、QoS support，並符合 eco-friendly IEEE 802.3az EEE (Energy Efficient Ethernet) 標準。EX42300 強固級防護除了包涵 -40 到 75°C 的寬溫操作範圍，其網路傳輸埠有著特殊的電路板設計提供額外保護。當雷擊發生時，網路傳輸埠所傳輸的數據可確保無虞，無論其連接的是隔離/非隔離的電源供應器。

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，最高每埠支援30W

+ 光纖介面連接

最高支援1個1000BASE-FX埠，彈性搭配SFP

+ 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

+ 介面

乙太網路埠

10/100BASE-TX: 4 ports
10/100/1000BASE-T: 1 port
1000BASE-X: 0 or 1 port

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)

+ 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

+ 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)

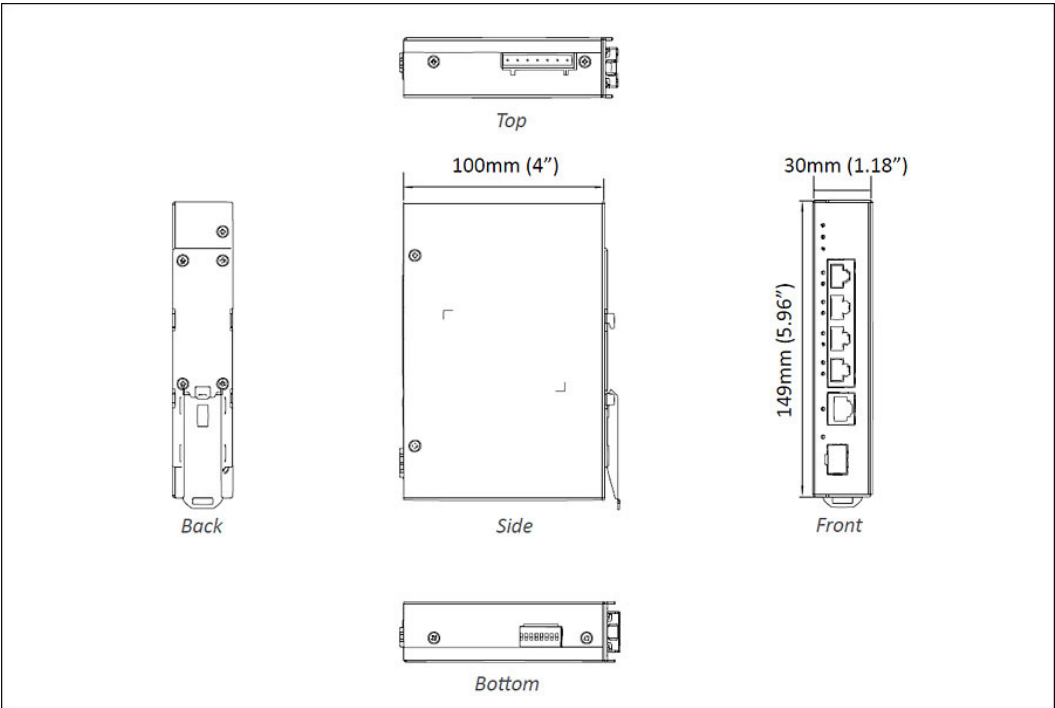
Environmental Test Compliances

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

+ 型號

EX42305	4-port 10/100BASE-TX (4 x PoE) +1-port 10/100/1000BASE-T Gigabit Hardened Unmanaged Ethernet Switch
EX42315-V	4-port 10/100BASE-TX (4 x PoE) +1-port 10/100/1000BASE-T +1-port 1000BASE-X SFP 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. 20260107

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