EX61000A 系列

工業級網管型 8埠10/100BASE +2埠Gigabit 乙太網路交換器 (SFP選擇組合)



產品介紹

本產品自2026年8月6日起停產。 請點選此處 尋找替代產品

EX61000系列為網管型鋁軌式安裝設計機種，內建8個10/100BASE乙太網路連接埠及2個Gigabit埠，可搭配多種光纖介面(固定式光纖或SFP光纖模組)，適用各種自動化網路的解決方案。

EX61000系列為工業等級設計可在-10到60°C溫度環境下穩定運作，搭配益網獨家技術Alpha-Ring環狀網路備援機制，可在網路發生斷線時迅速啟動備援機制，於小於15毫秒內便可快速恢復連線通訊。

支援IPV4 and IPV6並具備完整管理功能，包含port security、IGMP snooping、VLANs、GARP協定、LACP；使用者可透過網頁瀏覽telnet、SNMP、RMON、TFTP和RS-232 console管理介面，使複雜的專案規劃事半功倍。

EtherWAN — "When Connectivity is Crucial."

產品亮點

多元彈性介面組合

支援8個10/100base-TX/FX/BX/SFP加2埠Gigabit-SX/LX/BX/SFP

工業等級設計

操作溫度(-10到60°C)

無風扇和堅固的金屬外殼設計，可有效避免高溫及高濕度環境導致材質老化

支援Dual firmware image

Dual flash images提供獨立的主要和次要作業系統以支援備援系統架構

產品特色

Management

Interface

CLI, Telnet and Web Browser

SNMP v1/v2c/v3

Firmware and configuration upgrade and backup via TFTP

Supports DHCP Server/Client

RMON (Remote Monitoring): group 1, 2, 3, 9

Port mirroring: TX/RX and both

NTP (Network Time Protocol) time synchronization

IEEE 802.1ab LLDP (Link Layer Discovery Protocol)

IPv4/IPv6

Security

MAC address filtering

Enable/Disable port

Storm control (broadcast and multicast types)

IEEE 802.1x LAN access control

Remote authentication through RADIUS and TACACS+

SSH for CLI and Telnet security

SSL for web security

Multi-level user account/password against unauthorized configuration

System log (Remote/Local)

Quality of Service (QoS)

Priority Queues: 4 queues per port

Traffic classification based on IEEE 802.1p CoS, DSCP, WRR (Weighted Round Robin) and strict mode

Rate Limiting (Ingress/Egress)

Layer 2 Features

Auto-negotiation for port speed and duplex mode

Flow Control

IEEE 802.3x full duplex mode

Back-Pressure half duplex mode

Redundant Protocol

IEEE 802.1D Spanning Tree Protocol (STP)

IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)

IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)

EtherWAN's Alpha-Ring network fault recovery (<15ms)

VLANs

Port-based VLANs

IEEE 802.1Q Tag VLANs (128 groups, 4096 VID)

GVRP (GARP VLAN Registration Protocol)

GMRP (GARP Multicast Registration Protocol)

Link Aggregation

Static Trunk (2 groups, support MAC base)

IEEE 802.3ad Link Aggregation Control Protocol

IGMP Snooping

IGMP Snooping v1/v2/v3

產品規格

技術

技術

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 and flow control

IEEE 802.1p QoS

IEEE 802.1Q Tag VLANs

IEEE 802.1w RSTP

IEEE 802.1x Port-based Network Access Control

Forward and Filtering Rate

14,880pps for 10Mbps

148,810pps for 100Mbps

1,488,100pps for 1000Mbps

緩衝記憶體封包

12M 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

16K MAC addresses

介面

乙太網路埠

10/100BASE-TX: 4, 6 or 8 ports

100BASE-FX: 0 to 4 ports

Gigabit: 0, 1 or 2 ports

Console Port

Port: One DB9 RS-232 port

LED Indicators

Per Unit: Power 1, Power 2, Alarm

Per Port: Link/Activity, Speed

Alarm Contact

One relay output with current 1A/250VAC

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% (non-condensing)

電源

輸入電壓

Redundant power inputs: 12-48VDC (Terminal Block)

電力功耗

7.5W Max. 0.31A@24VDC

Protection

Reverse polarity protection

機構

機殼

Aluminum Case

IP30

尺寸

60 x 125 x 145mm (W x D x H)
(2.36" x 4.92" x 5.7")

重量

1.03Kg

安裝方式

DIN-Rail

通過認證

ISO

Manufactured in an ISO 9001 facility

Safety

UL 61010

EMI

FCC Part 15B Class A

EN 61000-6-4

EN 55032

EN 61000-3-2

EN 61000-3-3

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)

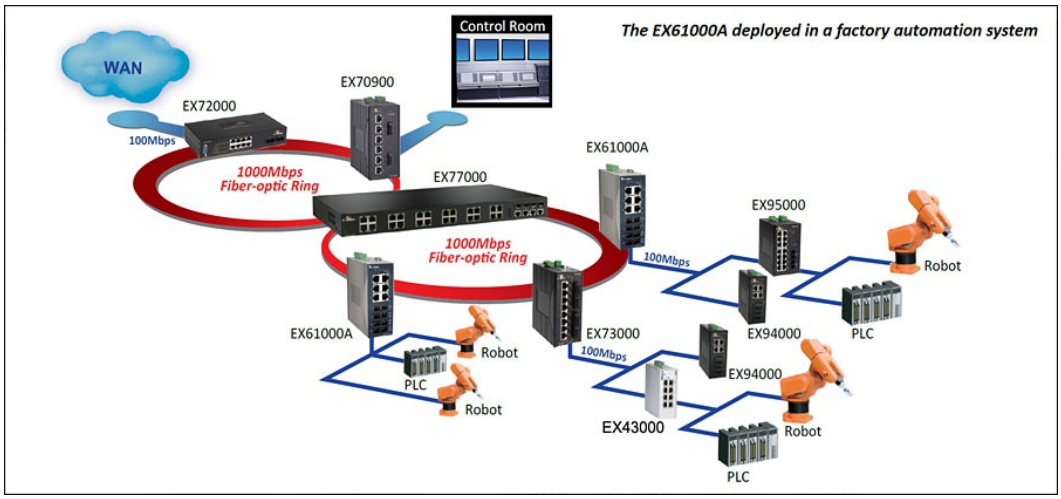
Environmental Test Compliances

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

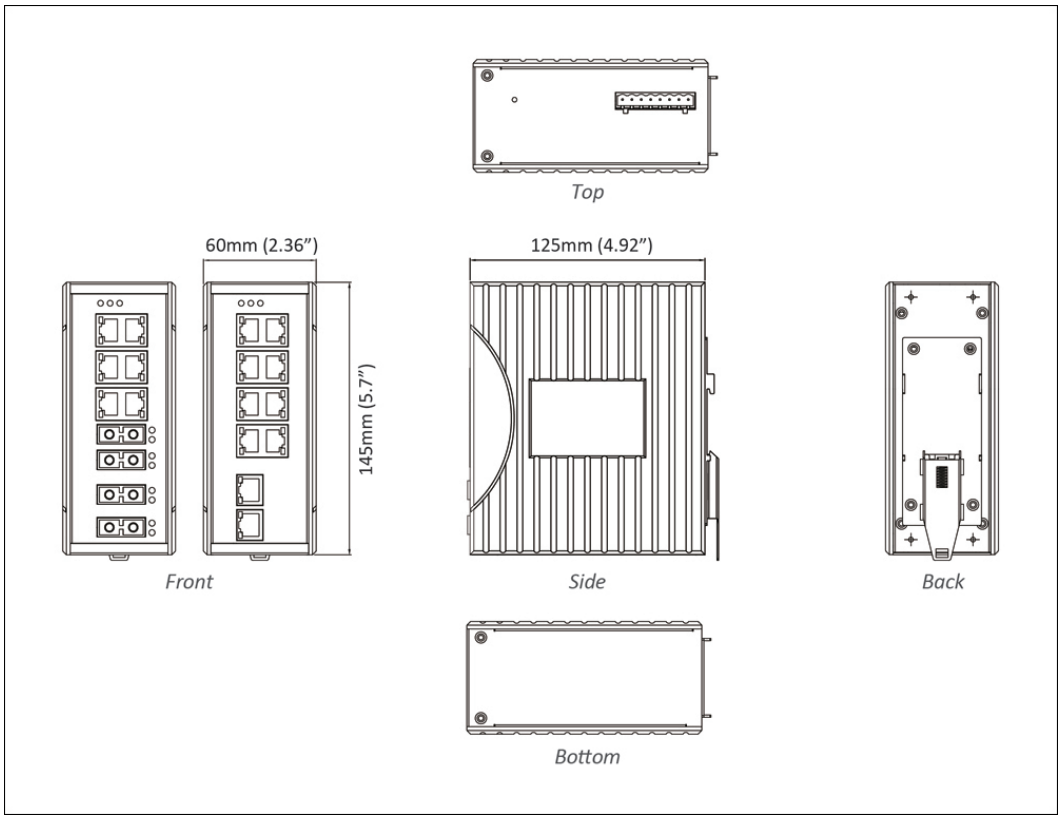
Industrial Compliance

EN 50121-4

產品應用圖


The EX61000A deployed in a factory automation system
Control Room
WAN
EX72000
100Mbps
EX70900
1000Mbps
Fiber-optic Ring
EX77000
EX61000A
EX95000
100Mbps
Robot
PLC
1000Mbps
Fiber-optic Ring
EX61000A
Robot
PLC
Robot
EX73000
100Mbps
EX94000
EX94000
EX43000
Robot
PLC

產品尺寸圖


Top
60mm (2.36")
145mm (5.7")
125mm (4.92")
Front
Side
Back
Bottom

訂購型號

型號

EX61802A-0YB	8-port 10/100BASE-TX +2-port Gigabit Industrial Managed Ethernet Switch
EX61620A-X0B	6-port 10/100BASE-TX +2-port 100BASE-FX Industrial Managed Ethernet Switch
EX61622A-XYB	6-port 10/100BASE-TX +2-port 100BASE-FX +2-port Gigabit Industrial Managed Ethernet Switch
EX61440A-X0B	4-port 10/100BASE-TX +4-port 100BASE-FX Industrial Managed Ethernet Switch

* DIN-Rail mounting kit included.

100FX Fiber Options (X)

1	Multi Mode (SC) - 2Km
2	Multi Mode (ST) - 2Km
A	Single Mode (SC) - 20Km
B	Single Mode (SC) - 40Km
V	100BASE SFP (DDM)

* More 100FX Fiber options also available upon request.

Gigabit Port Options (Y)

1	10/100/1000BASE-TX
3	1000BASE-SX (SC) - 550m
4	1000BASE-SX (SC) - 2Km
5	1000BASE-SX (ST) - 550m
A	1000BASE-LX (SC) - 10Km
B	1000BASE-LX (SC) - 20Km
R	1000BASE-BX (SC) WDM-TX: 1310nm/RX: 1550nm-20Km
S	1000BASE-BX (SC) WDM-TX: 1550nm/RX: 1310nm-20Km
V	100/1000BASE SFP (DDM)

* More Gigabit options also available upon request.

Optional Accessories

KP-AA96-480	Panel mounting kits

KR-BK71000	Rack mounting kits
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

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