

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

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

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 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

+ 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

+ 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 指示燈號

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)

+ 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

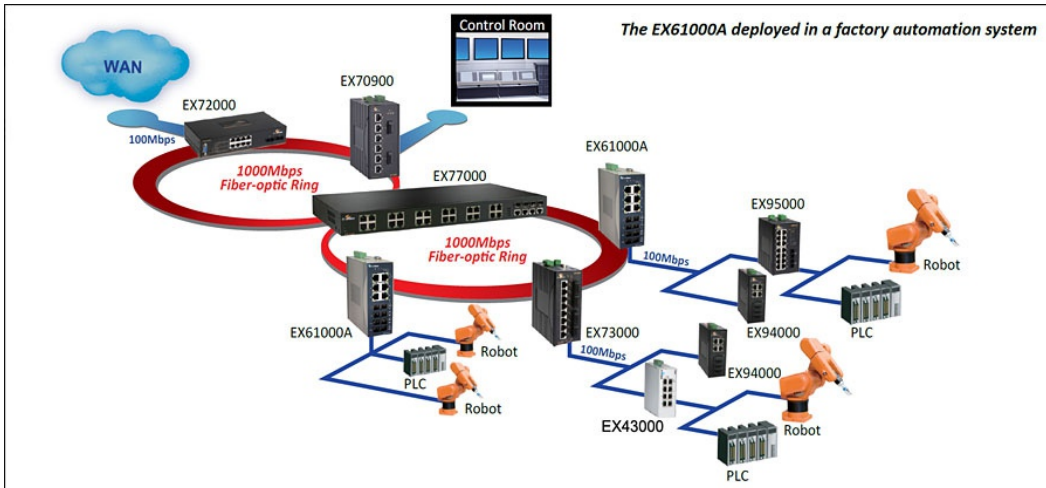
EMS

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)

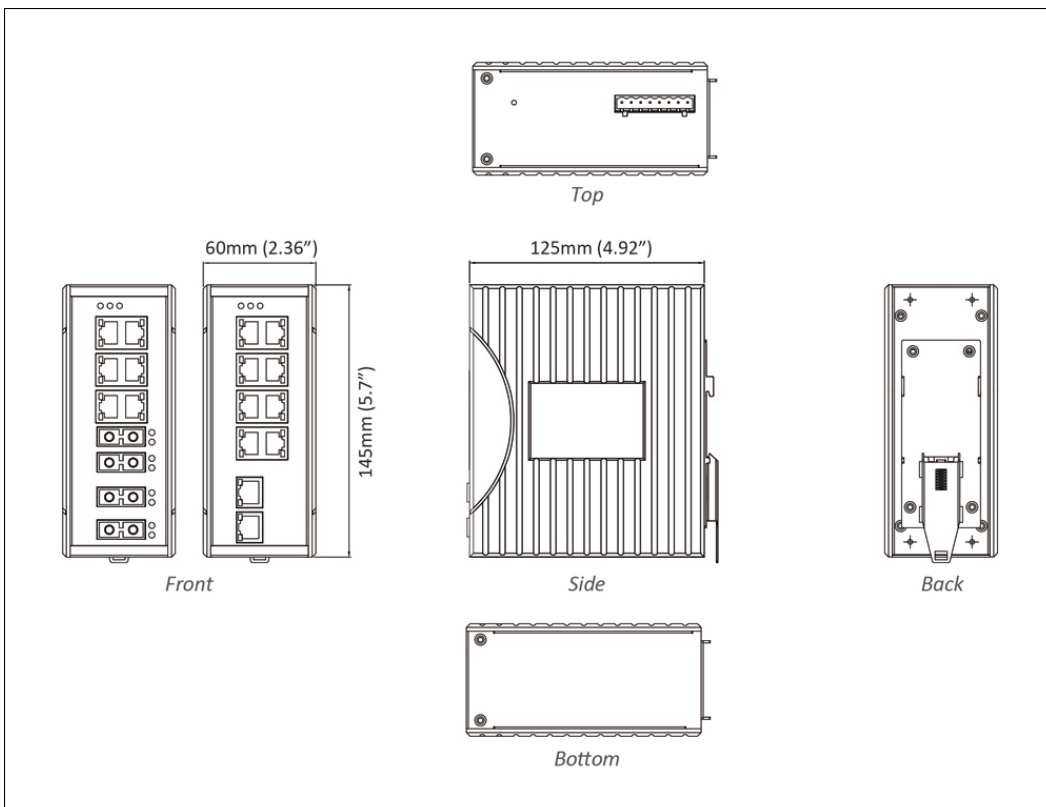
Environmental Test Compliances

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

產品應用圖



產品尺寸圖



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

