EX63000 系列

工業級網管型 16埠10/100BASE +2埠Gigabit combo 乙太網路交換器



產品介紹

本產品自2026年7月28日起停產。 請點選 此處 尋找替代產品。

EX63000系列為網管型鋁軌式安裝機種，內建16個10/100BASE乙太網路連接埠及2個Gigabit combo埠，可搭配固定式光纖，工業等級設計可在-10到60°C溫度環境下穩定運作，具備完整管理功能，包含port security、IGMP snooping、VLANs、GARP 協定和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。

支援益網獨家技術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。同時支援Redundant Pair協定，可將不同的備援環狀網路串接在一起，可大幅延伸備援機制架構，同時最高可支援235個環狀網路並支援50毫秒的網路回覆時間。

EtherWAN — "When Connectivity is Crucial."

產品亮點

多元彈性介面組合

支援16個10/100base-TX加2埠Gigabit SX/LX/BX combo

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

遠端安全存取介面

支援802.1x及RADIUS等優化網路安全機制

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

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)

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

Performance

Switching Capability: 7.2Gbps

產品規格

Technology

Standards

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

Packet Buffer Memory

12M bits

Processing Type

Store-and-Forward

Auto Negotiation

Half-duplex back-pressure and IEEE 802.3x full-duplex flow control

Auto MDI/MDIX

Address Table Size

16K MAC addresses

Interface

Ethernet Port

10/100BASE-TX: 16 ports

Gigabit: 0, 1 or 2 ports

Console Port

Port: One DB9 RS-232 port

LED Indicators

Per Unit: Power 1, Power 2

Per Port: Link/Activity (Green: Copper; Orange: Fiber)

Alarm Contact

One relay output with current 0.6A@30VDC

Environment

Operating Temperature

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

Storage Temperature

-45 to 85°C (-49 to 185°F)

Ambient Relative Humidity

5% to 95% (non-condensing)

Power

Input

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

Power Consumption

8.06W 0.336A@24VDC

Protection

Reverse polarity protection

Mechanical

Casing

Metal Case

IP30

Dimensions

59 x 125 x 145mm (W x D x H)
(2.32" x 4.92" x 5.71")

Weight

0.84Kg

Installation

DIN-Rail

Regulatory Approvals

ISO

Manufactured in an ISO 9001 facility

Safety

UL 61010 (pending)

EMI

FCC Part 15B Class A

EN 61000-6-4

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)

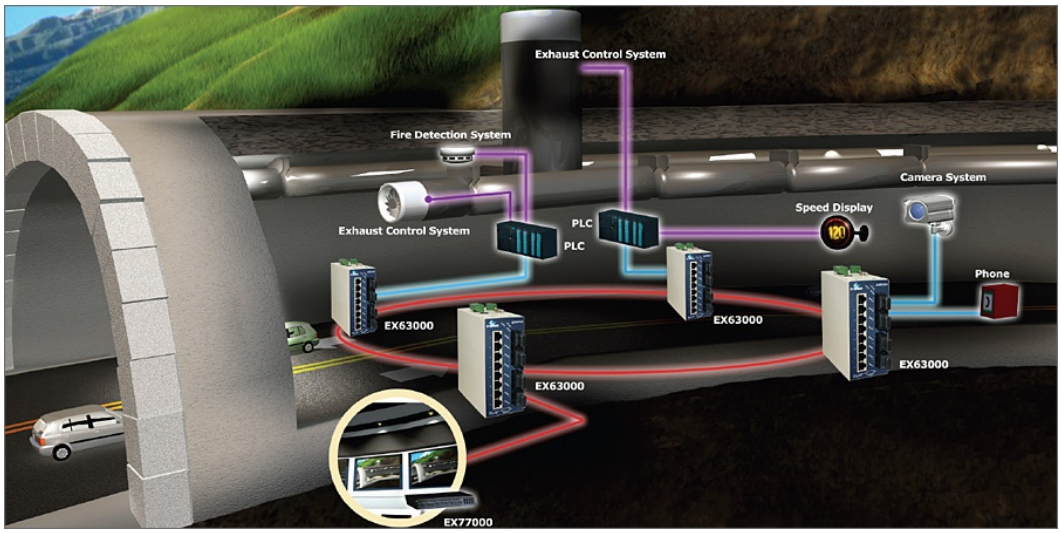
-EN 61000-4-8 (Magnetic Field Standards)

Environmental Test Compliances

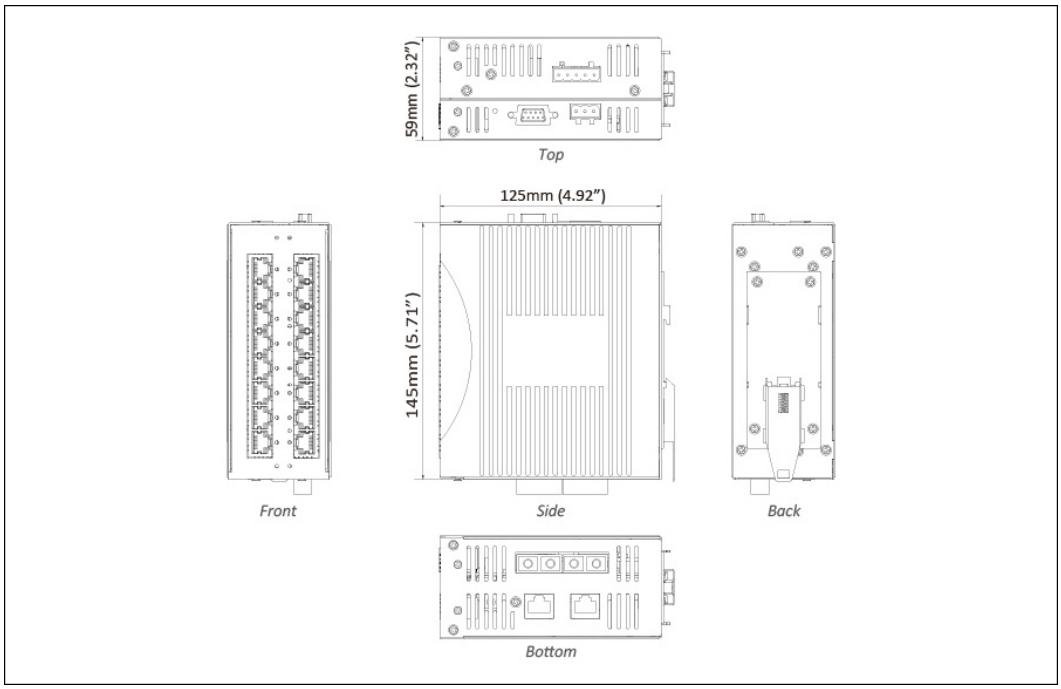
IEC 60068-2-6 Fc (Vibration Resistance)

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

產品應用圖


Exhaust Control System
Fire Detection System
Exhaust Control System
PLC
PLC
Speed Display
Camera System
Phone
EX63000
EX63000
EX63000
EX63000
EX77000

產品尺寸圖


59mm (2.32")
Top
125mm (4.92")
145mm (5.71")
Front
Side
Back
Bottom

訂購型號

Model

EX63400-00B	16-port 10/100BASE-TX Industrial Managed Ethernet Switch
EX63402-0YB	16-port 10/100BASE-TX +2-port Gigabit Industrial Managed Ethernet Switch

* DIN-Rail mounting kit included.

Gigabit Port Options (Y)

1	10/100/1000BASE-TX (No Gigabit Fiber port supported)
3	Combo port: 10/100/1000BASE-TX with 1000BASE-SX (SC) - 550m
4	Combo port: 10/100/1000BASE-TX with 1000BASE-SX (SC) - 2Km
5	Combo port: 10/100/1000BASE-TX with 1000BASE-SX (ST) - 550m
A	Combo port: 10/100/1000BASE-TX with 1000BASE-LX (SC) - 10Km
B	Combo port: 10/100/1000BASE-TX with 1000BASE-LX (SC) - 20Km

Optional Accessories

KP-AA96-480	Panel 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
EX41-136046-X	Power Supply 36W 12VDC with Open Wire (X) = 1: US, 2: EU, 3: UK, 4: AU, 5: JP, 6: SA

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