

## OttoE PoE 系列

工業級非網管型 PoE 8 - 10 埠乙太網路交換器



### 產品亮點

益網科技的 OttoE PoE H 系列是工業級非網管乙太網路的交換平台。用途是在安裝環境條件惡劣(如極端氣候、高低溫差大的區域)；它是一款經濟，在有限空間中能快速簡易安裝的設備，具備工業用乙太網路交換器的功能的與穩固的效能展現。

這款多功能交換機具有全/半雙工自動協商和自動 MDI/MDIX 操作功能，可方便地連接各種網路設備。QoS (Quality of Service) 支援流量優先順序排程和資源的有效管理。OttoE PoE H 是款智慧型非網管乙太網路交換器，其所內建的看門狗功能，可以防止網路中用電設備的中斷造成的數據包丟失。在偵測到設備傳輸異常，該功能可透過 DIP 開關，按埠重新啟動裝置，如此可以更增強設備的運用彈性跟穩定度。

EtherWAN — "When Connectivity is Crucial."

## 產品亮點

### + PoE 功能

每埠 IEEE 802.3bt 90W  
總功率預算達 270W

### + PoE Watchdog 看門狗功能(專利註冊)

可監控串接設備的網路傳輸狀態

### + 支援 SFP 連接埠

多達兩個 100/1000BASE SFP 連接埠

### + 高穩定性

工業等級無風扇設計  
6Kv 雷擊保護

### + Quality of Service 封包排程

PROFINET, EtherNet/IP

## 產品規格

### + Interface

Ethernet

10/100/1000BASE-TX: 8 ports

100/1000BASE-SFP: 0 or 2 ports

LED Indicators

Per Unit: Power 1 (Green), Power 2 (Green), Fault (Red)

Per Port: Link/Activity (Green)

Alarm Contact

One relay output with current 0.5A@48VDC

### + Technology

Standards

IEEE 802.3 10BASE-T

IEEE 802.3u 100BASE-TX/FX

IEEE 802.3az Energy Efficient Ethernet

IEEE 802.1p Quality of Service (QoS)

IEEE 802.3ab 1000BASE-T

IEEE 802.3z 1000BASE-SX/1000BASE-LX

IEEE 802.3af/at/bt Power over Ethernet

Forward/Filtering Rate

14,880pps for 10Mbps

148,810pps for 100Mbps

1,488,100pps for 1000Mbps

Packet Buffer Memory

1.5M 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

4K MAC

### + Power

Input

46-57VDC (Terminal Block)

Power Consumption

9.72W (without PoE)

Protection

Reverse Polarity Protection

PoE Power Output

Up to 90W/port

Power Budget: 270W

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46-57VDC for IEEE 802.3af type 1, ≤15.4W PD devices.

52-57VDC for IEEE 802.3at/bt type 2/3, 30W, 60W PD devices.

54-57VDC for IEEE 802.3bt, type 4, 90W PD devices.

## + Physical

**Casing Material**  
Metal

**IP Rating**  
IP30

**Dimensions**  
45x125x145mm (W x D x H) (1.77"x4.92"x5.71")

**Weight**  
577g (1.27lbs)

**Installation Type**  
DIN-Rail (Top hat type 35mm) mounting

## + Environmental

**Operating Temp.**  
-10 to 60°C (14 to 140°F)

**Storage Temp.**  
-40 to 85°C (-40 to 185°F)

**Relative Humidity**  
5% to 95% (non-condensing)

## + Regulatory

**ISO**  
Manufactured in ISO-9001 facility

**EMI**  
FCC Part 15 Class A  
VCCI Class A  
EN 61000-6-4  
ICES-003  
EN 55032

**EMS**  
EN 61000-6-2  
- EN 61000-4-2 (ESD)  
- EN 61000-4-3 (Radiated RFI)  
- EN 61000-4-4 (Burst)  
- EN 61000-4-5 (Surge)  
- EN 61000-4-6 (Induced RFI)  
- EN 61000-4-8 (Magnetic field)

**Safety**  
UL 61010

**Environmental Test Compliance**  
IEC 60068-2-6 Fc (Vibration)  
IEC 60068-2-27 Ea (Shock)  
FED STD 101C Method 5007.1 (Free fall w/package)

**Industrial**  
EN 50121-4

**Traffic**  
NEMA TS2 (TG103H)



## Warranty

Length  
Limited Lifetime

### Details

[www.etherwan.com/support/warranty-policy](http://www.etherwan.com/support/warranty-policy)

## + What's Included

### Device

Ethernet switch

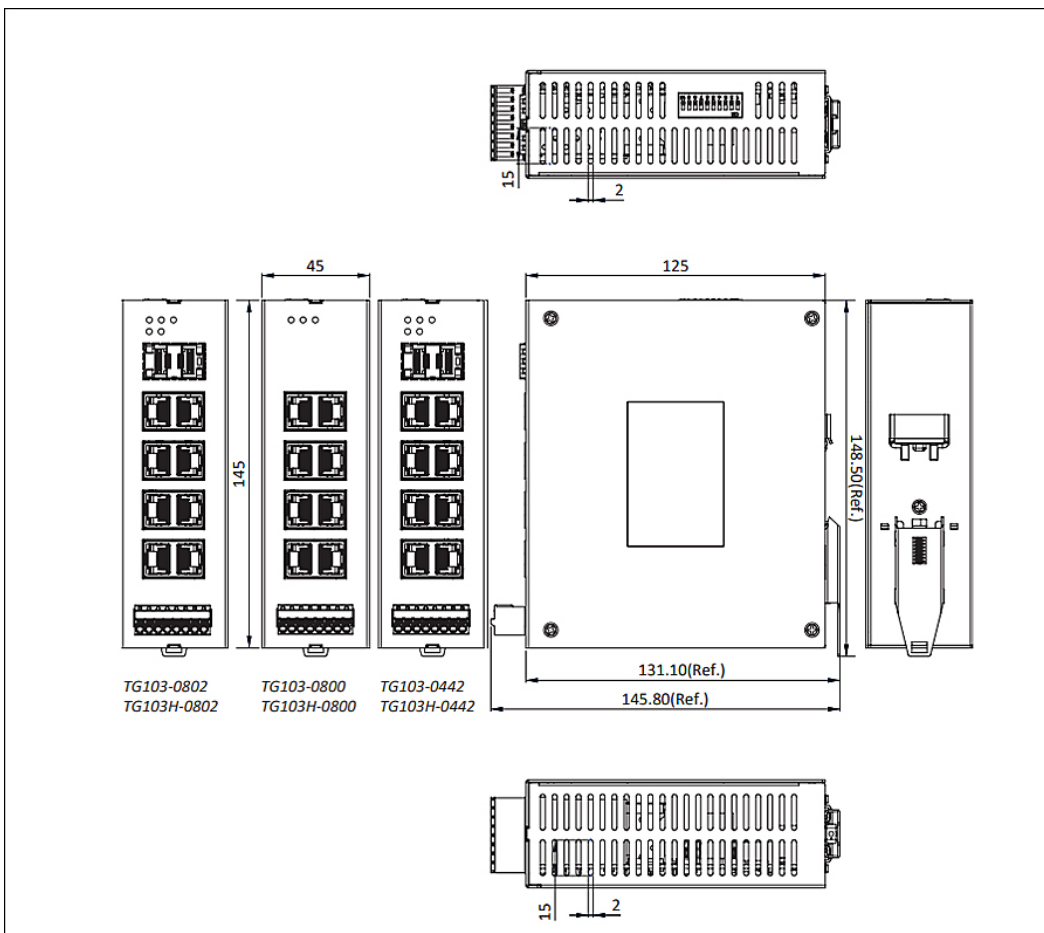
### Installation

Mounting brackets, screws

### Documentation

Quick install guide

## 產品尺寸



## 產品應用

## 訂購資訊

### + 訂購資訊

Gigabit Ethernet 型號

TG103-0800	8 埠 10/100/1000BASE-TX PoE 工業級 (-10 到 60°C) 非網管乙太網路交換器
TG103-0802	8 埠 10/100/1000BASE-TX PoE 工業級 (-10 到 60°C) 非網管乙太網路交換器
TG103-0442	4 埠 10/100/1000BASE-TX PoE + 4 埠 10/100/1000BASE-TX + 2 埠 100/1000BASE SFP 工業級 (-10 到 60°C) 非網管乙太網路交換器
TG103H-0800	8 埠 10/100/1000BASE-TX PoE 強固級 (-40 到 75°C) 非網管乙太網路交換器
TG103H-0802	8 埠 10/100/1000BASE-TX PoE + 2 埠 100/1000BASE SFP 強固級 (-40 到 75°C) 非網管乙太網路交換器
TG103H-0442	4 埠 10/100/1000BASE-TX PoE + 4 埠 10/100/1000BASE-TX + 2 埠 100/1000BASE SFP 強固級 (-40 到 75°C) 非網管乙太網路交換器

型號	速率	Speed Info	距離	工作溫度	Wavelength	DDM
EX-0155NSP-MB2L-A	100Mbps	Multi	2km	-40 to 85°C	1310nm	
SFPMIS20M	100Mbps	Single	20km	-40 to 85°C	1310nm	✓
SFPGIM5AM	1000Mbps	Multi	275m/550m	-40 to 85°C	850nm	✓
SFPGIM02M	1000Mbps	Multi	2km	-40 to 85°C	1310nm	✓
SFPGIS10M	1000Mbps	Single	10km	-40 to 85°C	1310nm	✓

### + 配件選購

HDR-480-48 480W 導軌式 48VDC 電源供應器

100BASE SFP 模組 [www.etherwan.com/products/sfp-fiber-transceiver](http://www.etherwan.com/products/sfp-fiber-transceiver)

Gigabit SFP 模組 [www.etherwan.com/products/sfp-fiber-transceiver](http://www.etherwan.com/products/sfp-fiber-transceiver)

## 影片介紹



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