OttoE PoE 08 GE

工業級非網管型 8埠 Gigabit PoE 乙太網路交換器



產品介紹

OttoE PoE 08 GE 是一款專為嚴苛環境快速佈署所設計的工業級非網管型 PoE 交換器，具備廣泛的操作溫度範圍（-10°C 至 60°C，或 **H 型號支援 -40°C 至 75°C**）、抗震與抗衝擊能力，並符合多項工業安全標準。產品整合了基本乙太網路功能、即時決定性網路傳輸，以及高強度結構設計，是一款低成本、易部署的理想選擇。支援 **IEEE 802.3bt PoE++**（每埠最高 90W），可為高功耗設備如 PTZ 攝影機、無線基地台、AI 邊緣設備提供穩定供電；同時具備 **6kV 突波保護**，強化電源安全性。

內建 **PoE Watchdog（看門狗）** 智能功能，能偵測網路中無回應的受電設備並自動重啟，有效防止封包遺失。該功能可透過 DIP 開關針對各埠獨立啟用，靈活彈性，確保網路穩定不中斷。OttoE PoE 08 GE 同時支援全/半雙工自動協商、自動 MDI/MDIX，以及 **QoS（服務品質）**，可針對關鍵資料流量進行優先處理與頻寬資源管理，提升整體通訊效率。

適用場域： 工業自動化、智慧電網、智慧路口（含監控設備）等高需求應用環境。

符合 IEC 62443-4-2－依循 IEC 62443-4-1 安全開發實務進行開發與審查。

益網科技 - “ **連結，制勝的關鍵** “

產品亮點

PoE 功能

支援 IEEE 802.3bt，單埠最高 90W 輸出

總 PoE 輸出預算可達 270W

PoE Watchdog（專利技術）

可遠端偵測並重啟無回應設備（按埠啟用）

工業級強固設計

無風扇散熱設計，提升耐用性

內建 6kV 突波保護，防止電源干擾

QoS 服務品質

支援 EtherNet/IP（UDP 2222）

支援 PROFINET（Ether type 0x8892）

產品規格

Interface

Ethernet

10/100/1000BASE-TX: 8 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

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)

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

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)

IEC 60068-2-31 (Free fall w/package)

Industrial

EN 50121-4

Warranty

Length

Limited Lifetime

Details

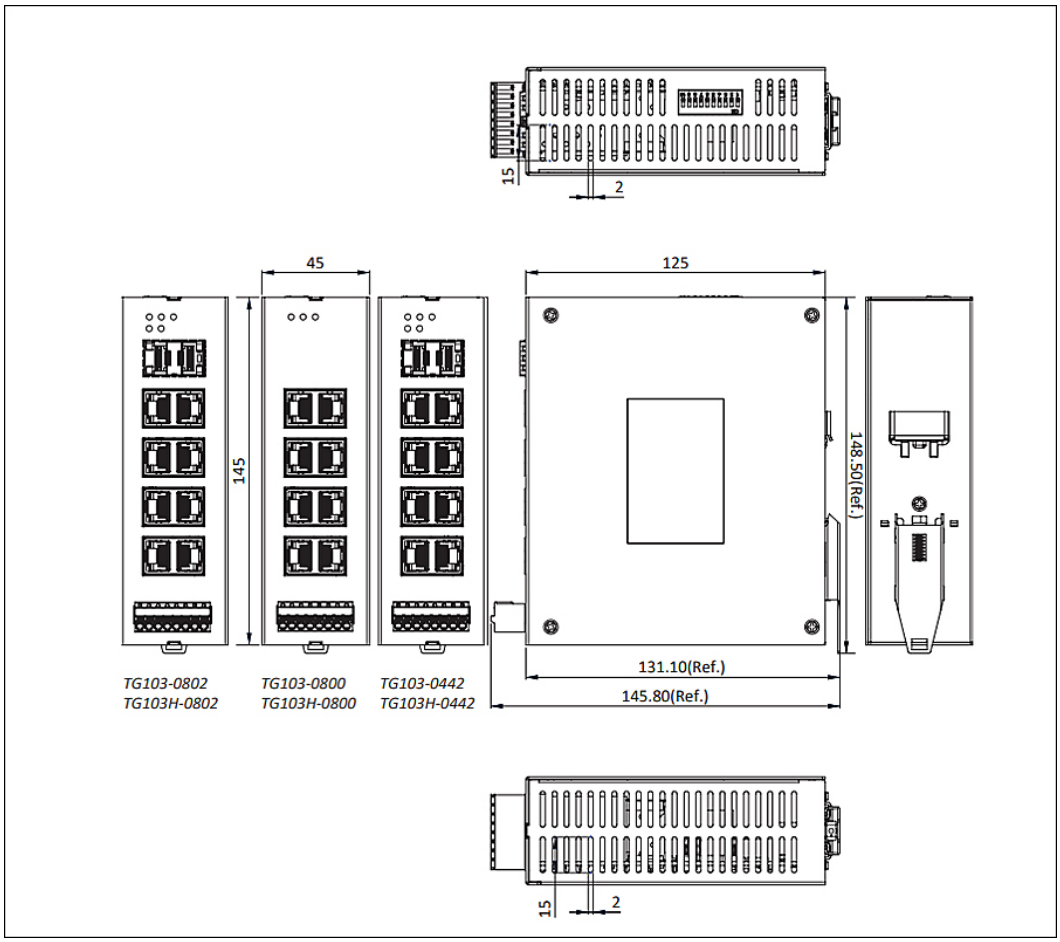
www.etherwan.com/support/warranty-policy

What's Included

Device

Ethernet switch

產品尺寸


15
2
45
125
145
148.50(Ref.)
131.10(Ref.)
145.80(Ref.)
TG103-0802
TG103H-0802
TG103-0800
TG103H-0800
TG103-0442
TG103H-0442
15
2

訂購資訊

Gigabit models

	 TG103-0800	 TG103H-0800
10/100/1000BASE TX	8	8
PoE port	8	8
Power Input	2 (46~57VDC) Push-in spring terminal block	
QoS	EtherNet/IP & Profinet	
Corrosion Resistant	IP30	
Operating Temp.	-10 to 60°C	-40 to 75°C
	Quote	Quote

Gigabit models with 2 SFP Options

	 TG103-0442	 TG103-0802	 TG103H-0442	 TG103H-0802
10/100/1000BASE TX	8	8	8	8
PoE port	4	8	4	8
100/1000BASE SFP	2	2	2	2
Power Input	4 (46~57VDC) Push-in spring terminal block			
QoS	EtherNet/IP & Profinet			
Corrosion Resistant	IP30			

	 TG103-0442	 TG103-0802	 TG103H-0442	 TG103H-0802
Operating Temp.	-10 to 60°C		-40 to 75°C	
	Quote	Quote	Quote	Quote

Optional Accessories

NDR-480-48	480W 48VDC DIN-Rail Power Supply

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