OttoE PoE 10H GE

強固級非網管型 PoE 10 埠乙太網路交換器



產品介紹

OttoE PoE 10H GE 交換機專為嚴苛環境下的快速佈署而設計，能夠承受廣泛的溫度範圍、抗震與抗衝擊，並符合嚴格的安全標準。這是一款低成本、易於使用的設備，結合了工業乙太網路的基本功能、即時決定性網路操作，以及進階的強固性表現。

內建的看門狗功能讓 **OttoE PoE 10H GE**成為一款具備智能的裝置，可防止網路中受電設備發生封包遺失。此功能可透過 **DIP 開關**針對各埠獨立啟用，進一步提升使用彈性。該交換機提供多個 **Gigabit 乙太網埠**，型號涵蓋銅纜埠與 **100/1000Mbps 雙速率 SFP 光纖埠**，適用於**長距離連接**需求。

本產品支援**全/半雙工自動協商**與**自動 MDI/MDIX** 功能，可方便地連接各種網路設備。同時支援 **QoS（服務品質）**功能，能夠進行流量優先排序與資源有效管理。

部署應用場景：工業自動化、智慧電網、結合監控功能的智慧路口。

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

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)

可單埠監控並重啓未回應之串接設備 (PD)

支援 SFP 連接埠

多達兩個 100/1000BASE SFP 連接埠

高穩定性

強固等級無風扇設計

6Kv 雷擊保護

QoS 封包排程

EtherNet/IP (UDP 2222)

PROFINET (Ether type 0x8892)

產品規格

Interface

Ethernet

10/100/1000BASE-TX: 8 ports

100/1000BASE-SFP: 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

Dip Switch

No.1 - 8: Port 1 to 8 Watchdog ON/OFF

EXT: The timer enables Watchdog (ON: 5 min. / OFF: 10 min.)

Environmental

Operating Temp.

-40 to 75°C (-40 to 167°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

Auto MDI/MDIX

Address Table Size

4K MAC

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

Cybersecurity

IEC 62443-4-1

IEC 62443-4-2

Environmental Test Compliance

IEC 60068-2-6 Fc (Vibration)

IEC 60068-2-27 Ea (Shock)

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

Traffic

NEMA TS2

Railway

EN 50121-4

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

**

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.

Warranty

Length

Limited Lifetime

Details

www.etherwan.com/support/warranty-policy

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

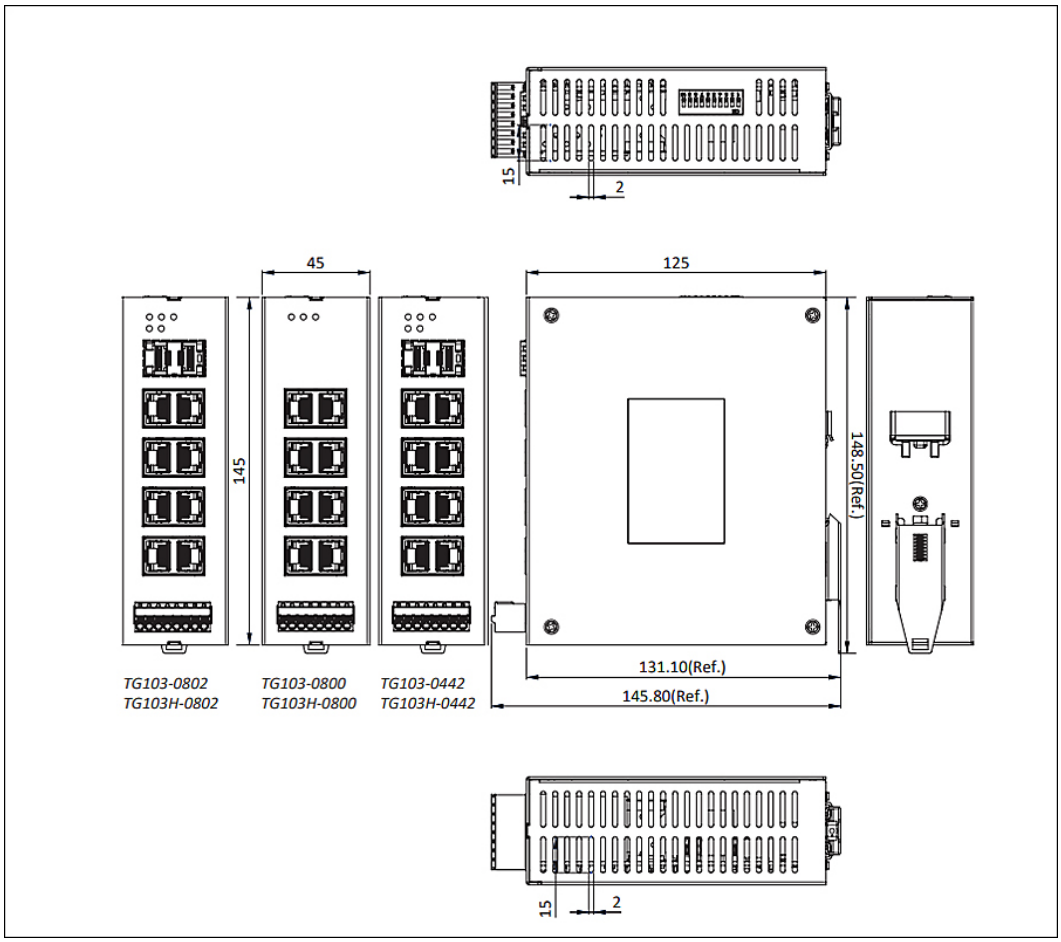
DIN-Rail (Top hat type 35mm) mounting

What's Included

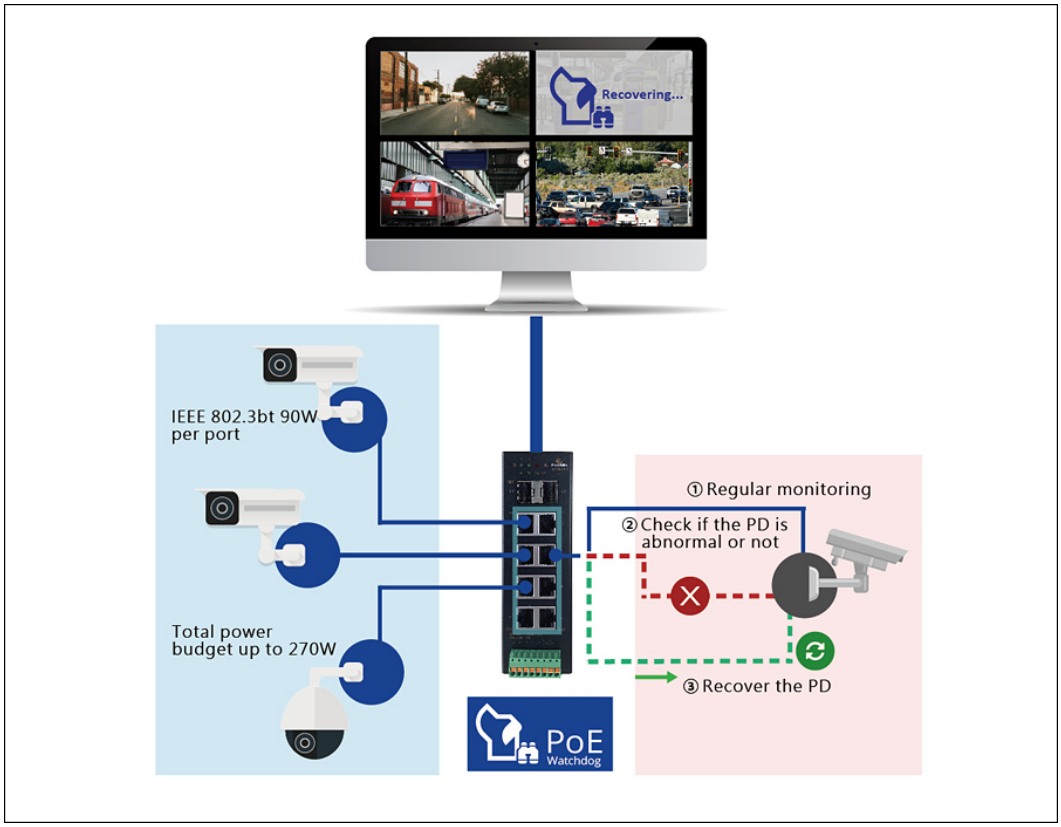
Device

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

產品應用


Recovering...
IEEE 802.3bt 90W
per port
Total power
budget up to 270W
① Regular monitoring
② Check if the PD is
abnormal or not
③ Recover the PD
PoE
Watchdog

訂購型號

Gigabit models

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

Optional Accessories

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

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