# OttoE 05 GE

工業級非網管型 5 埠 Gigabit 乙太網路交換器



## 產品介紹

**OttoE 05 GE** 是一款小型非網管型乙太網路交換器，專為空間狹小與環境嚴苛的工業場域設計。機身高度僅 100mm，方便安裝於配電盤、控制箱等有限空間。具備 5 埠 Gigabit 網路埠，支援自動協商與 MDI/MDIX，即插即用、安裝快速。支援 9~55VDC 電源輸入，適配 12V、24V、48V 各類工業電壓，搭配塑膠強化外殼，抗衝擊與抗腐蝕性能優異，長時間運作穩定可靠。

**OttoE 05 GE** 適用於智慧交通控制箱、監控系統、工業自動化設備與邊緣運算場域等應用情境。內建 QoS 功能可優化資料傳輸順序，確保影像與控制訊號即時穩定傳輸。標準 DIN 軌安裝設計，隨附配件一應俱全，讓工程人員能快速佈建網路，是一款高 CP 值的小型工業交換器解決方案。

**適用場域：**

- ♦ 工業自動化系統
- ♦ 鐵路與交通控制
- ♦ 智慧路口與監控系統
- ♦ 公共基礎建設網路

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

## 高可靠性

電源輸入 12/24/48 VDC

## 艱困環境適用

無風扇設計

## 耐腐蝕

IP30 耐受度設計

## QoS 封包排程

EtherNet/IP (UDP 2222)
PROFINET (Ethertype 0x8892)

# 產品規格

## Interface

**Ethernet**

10/100/1000BASE-TX: 5-ports

**LED Indicators**

Per Unit: Power 1 (Green)

Per Port: Link/Activity (Green)

## Physical

**Casing Material**

Plastic

**IP Rating**

IP30

**Dimensions**

25 x 81 x 100mm (W x D x H)(0.98" x 3.19" x 3.94")

**Weight**

120g (4.23lbs)

**Installation Type**

DIN-Rail (Top hat type 35mm) mounting

## Technology

**Standards**

IEEE 802.3 10BASE-T

IEEE 802.3u 100BASE-TX

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

**Forward/Filtering Rate**

14,880pps for 10Mbps

148,810pps for 100Mbps

1,488,100pps for 1000Mbps

**Packet Buffer Memory**

1M bits

**Processing Type**

Store-and-Forward

Auto Negotiation

Half-duplex back-pressure

Auto MDI/MDIX

**Address Table Size**

2K 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

BSMI

**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**

9-55VDC (Terminal Block)

**Power Consumption**

2.62W max.

**Protection**

Reverse Polarity Protection

## 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)

## Warranty

**Length**

Limited Lifetime

**Details**

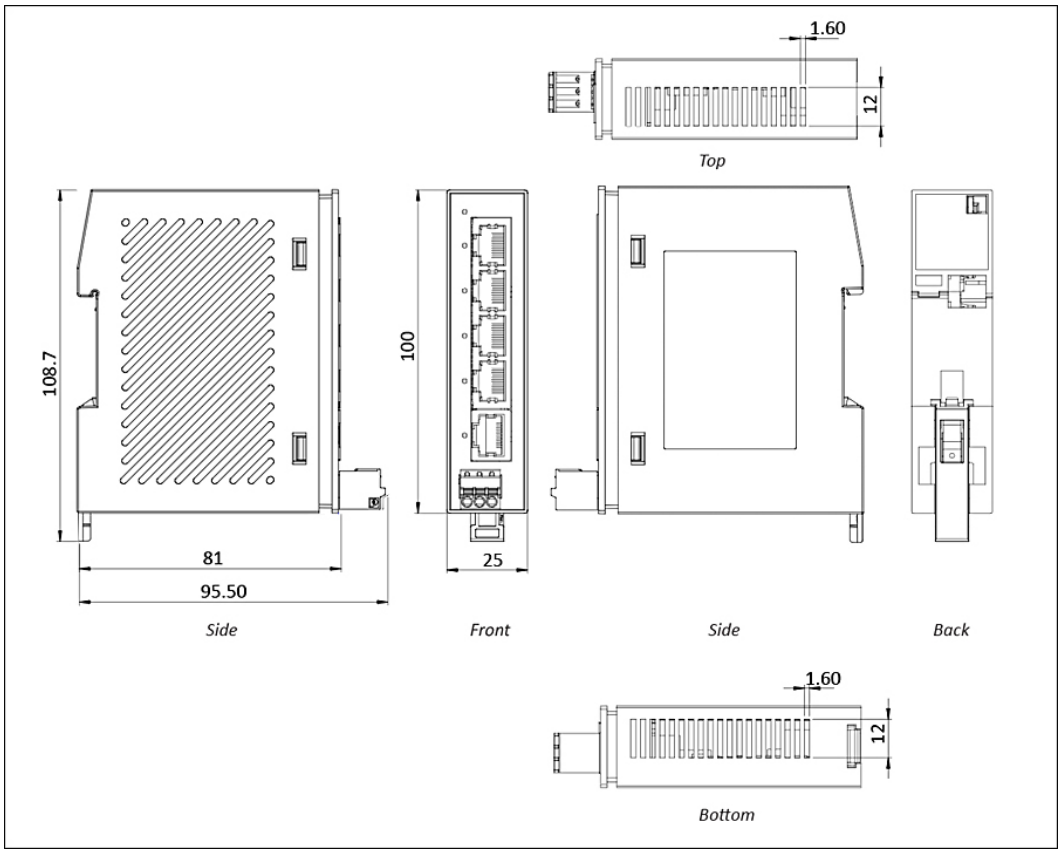
www.etherwan.com/support/warranty-policy

## What's Included

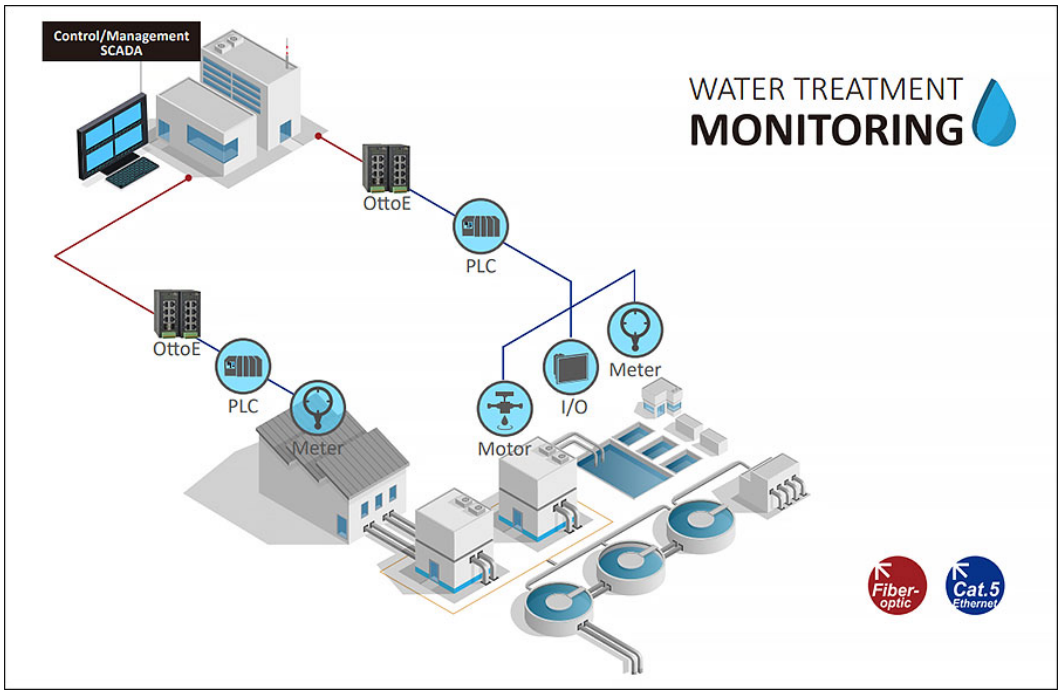
**Device**

Ethernet switch

# 產品尺寸



# 產品應用


Control/Management
SCADA
WATER TREATMENT
MONITORING
OttoE
PLC
OttoE
PLC
Meter
Meter
I/O
Motor
Fiber-optic
Cat.5 Ethernet

# 訂購資訊

## Gigabit Ethernet models

| | <br>**TG100-0500** |
|---|---|
| **Power Input** | 1 ( 9~55VDC ) Push-in spring terminal block |
| **QoS** | EtherNet/IP, Profinet |
| **Corrosion Resistant** | IP30 |
| | Quote |

## Optional Accessories

| | |
|---|---|
| **HDR-30-24** | 30W/1.5A DIN-Rail 24VDC Hardened Power Supply |
| **HDR-60-24** | 60W/2.5A DIN-Rail 24VDC Hardened Power Supply |

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