

# OttoE 16H FE

強固級非網管型 16 埠乙太網路交換器



## 產品介紹

EtherWAN 益網科技 **OttoE 16H FE** 系列是一款堅固耐用的非管理式乙太網交換解決方案，專為在空間受限與嚴苛工業環境中穩定運作而設計。此系列產品以簡潔與高效為核心，提供工業應用所需的基本網路功能。

OttoE 16H FE 支援 **9 到 55VDC** 的寬電壓輸入範圍，並具備冗餘電源選項與繼電器警報功能，可在電源異常時即時發出警示。該交換機提供多個 Gigabit 乙太網埠，型號涵蓋銅纜埠與 100Mbps 雙速率 SFP 光纖埠，適用於長距離連接需求。

支援自動協商（全雙工/半雙工）與自動 MDI/MDIX 功能，讓設備連接更為直覺簡便。內建 **QoS (服務品質)** 功能可有效優化網路流量優先順序，提升整體網路效能。OttoE 16H FE 採用堅固金屬外殼，支援導軌安裝，安裝簡便且耐用，並隨附安裝配件。

### 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
- ◆ 公共建設

益網科技 - “ 連結，制勝的關鍵 ”

## 產品亮點

### + 可靠的運作機制

- IEEE 802.3az 節電機制
- 電源失效警示

### + SFP 連接埠

- 最多可支援達兩個 100BASE SFP

### + 高可靠性

- 無風扇設計
- 極性反接保護功能

### + QoS 封包排程

- EtherNet/IP (UDP 2222)

## 產品規格

### + Interface

#### Ethernet

- 10/100BASE-TX: 14/16-ports
- 100BASE-SFP: 0/2-ports

#### Alarm Contact

- One relay output with current 0.5A@48V

#### LED Indicators

- Per Unit: Power 1 (Green), Power 2 (Green), Fault (Red)
- Per Port: Link/Activity (Green)
- Per Port: Speed (Yellow)

### + Physical

#### Casing Material

- Metal

#### IP Rating

- IP30

#### Dimensions

- 80 x 91 x 100mm (W x D x H) (3.15" x 3.58" x 3.94")

#### Weight

- 502g (1.11lbs)

#### Installation Type

- DIN-Rail (Top hat type 35mm) mounting

## + 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)

### Forward/Filtering Rate

- 14,880pps for 10Mbps
- 148,810pps for 100Mbps

### Packet Buffer Memory

- 2M bits

### Processing Type

- Store-and-Forward
- Auto Negotiation
- Half-duplex back-pressure
- Auto MDI/MDIX

### Address Table Size

- 8K 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

### 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

### Traffic

- NEMA TS2

## + Power

### Input

- 9-55VDC (Terminal Block)

### Power Consumption

- 3.72W max.

### Protection

- Reverse Polarity Protection

## + Warranty

### Length

- Limited Lifetime

### Details

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

## + Environmental

### Operating Temp.

- -40 to 75°C (-40 to 167°F)

### Storage Temp.

- -40 to 85°C (-40 to 185°F)

### Relative Humidity

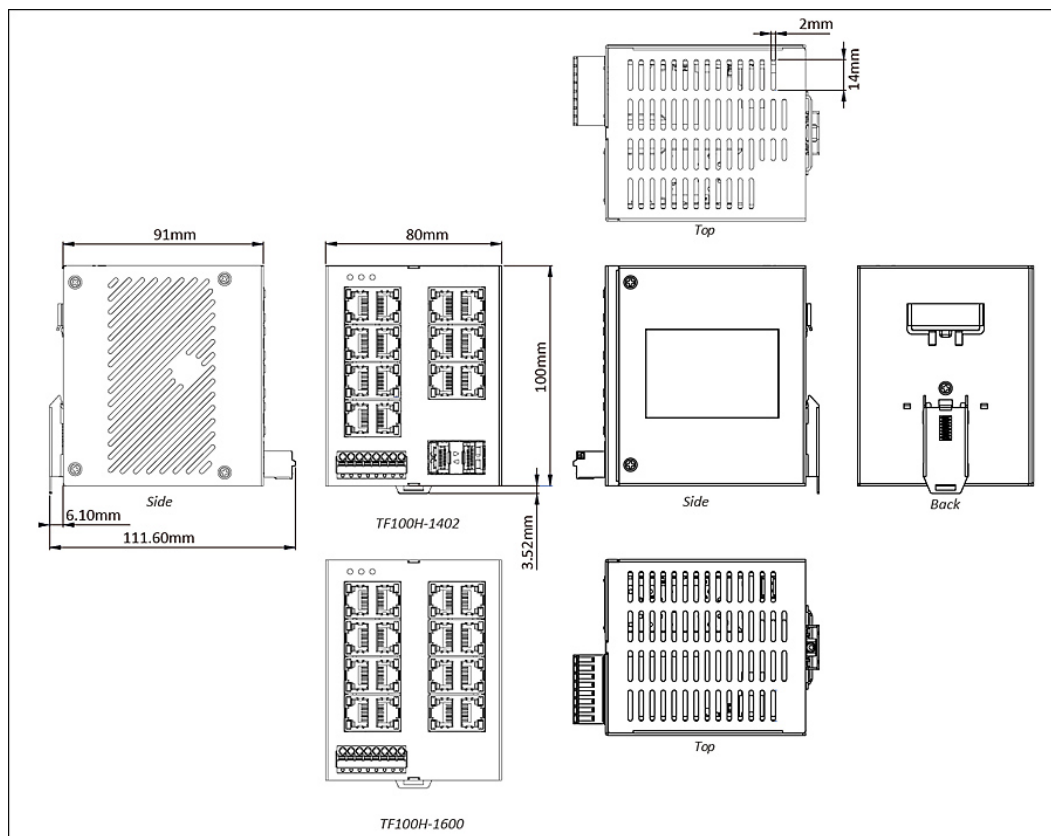
- 5% to 95% (non-condensing)

## + What's Included

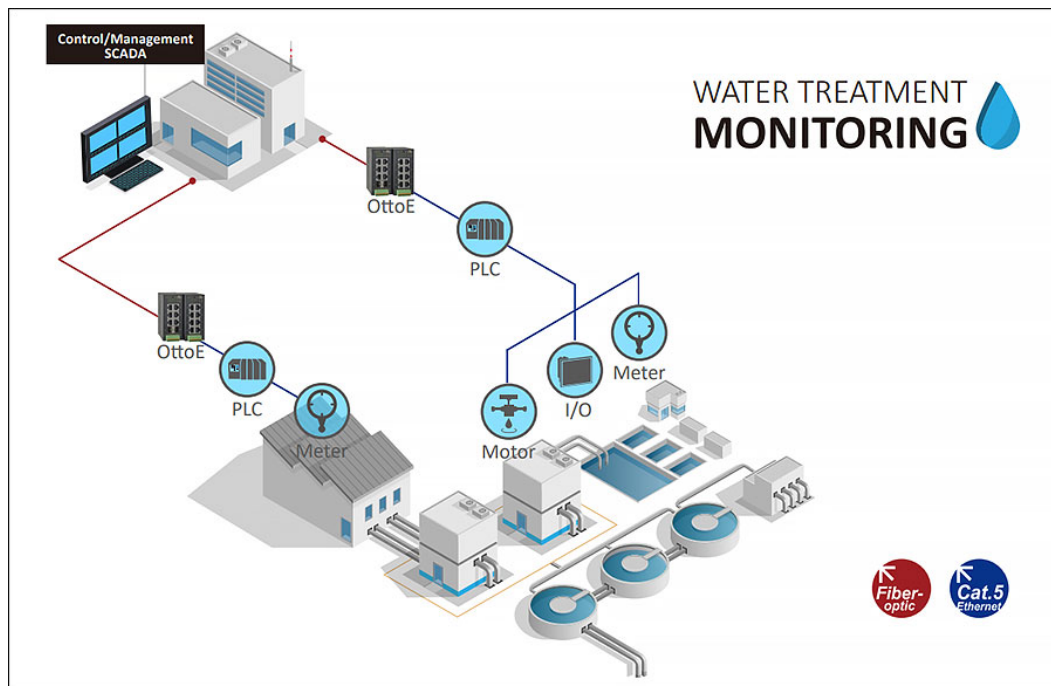
### Device

- Ethernet switch

## 產品尺寸



## 產品應用



## 訂購資訊

### + Fast Ethernet models

|                     |  |  |
|---------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                     | TF100H-1600                                                                       | TF100H-1402                                                                       |
| 10/100Base TX       | 16                                                                                | 14                                                                                |
| 100Base SFP         | -                                                                                 | 2                                                                                 |
| Power Input         | 2 ( 9~55VDC ) Push-in spring terminal block                                       |                                                                                   |
| QoS                 | EtherNet/IP                                                                       |                                                                                   |
| Corrosion Resistant | IP30                                                                              |                                                                                   |
|                     | <a href="#">Quote</a>                                                             | <a href="#">Quote</a>                                                             |

### + 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                                                                        |
| 100BASE SFP Modules | <a href="http://www.etherwan.com/products/sfp-fiber-transceiver">www.etherwan.com/products/sfp-fiber-transceiver</a> |

