

# OttoE 16 FE

Industrial 16-port Fast Ethernet Unmanaged Switches



## Overview

EtherWAN **OttoE 16 FE** Series – Industrial Grade Unmanaged Ethernet Switch

The OttoE 16 FE Series from EtherWAN is a robust, unmanaged Ethernet switching solution engineered for reliable operation in space-constrained and demanding industrial environments. Designed for simplicity and cost-efficiency, it delivers core networking functionality essential for industrial applications.

The switch supports a wide input voltage range of **9 to 55VDC** with redundant power capability and includes a relay alarm to signal power failure events, enhancing system reliability. Available models include up to 16 Fast Ethernet ports, or a mix of copper and 100Mbps SFP ports, offering flexible options for both local and long-distance connectivity.

Featuring auto-negotiation (full/half duplex) and auto MDI/MDIX, the OttoE 16H FE ensures seamless integration with diverse network devices. Built-in **QoS** (Quality of Service) enhances traffic management by enabling prioritization of critical data. The unit is housed in a rugged metal enclosure, DIN rail mountable for secure and straightforward installation—mounting kit included.

Deployment scenarios: Automation, Railway, Intelligent Intersection

EtherWAN — "When Connectivity is Crucial."

## Highlight

### + Reliable Operation

IEEE 802.3az Energy Efficient Ethernet  
Power failure notification

### + SFP Connectivity

Up to two 100BASE SFP option

### + Rugged Design

Fanless design (No moving parts)  
Reverse Polarity Protection

### + QoS Prioritized Messages

EtherNet/IP (UDP 2222)

## Specifications

### + 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

## + Power

### Input

9-55VDC (Terminal Block)

### Power Consumption

3.72W 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

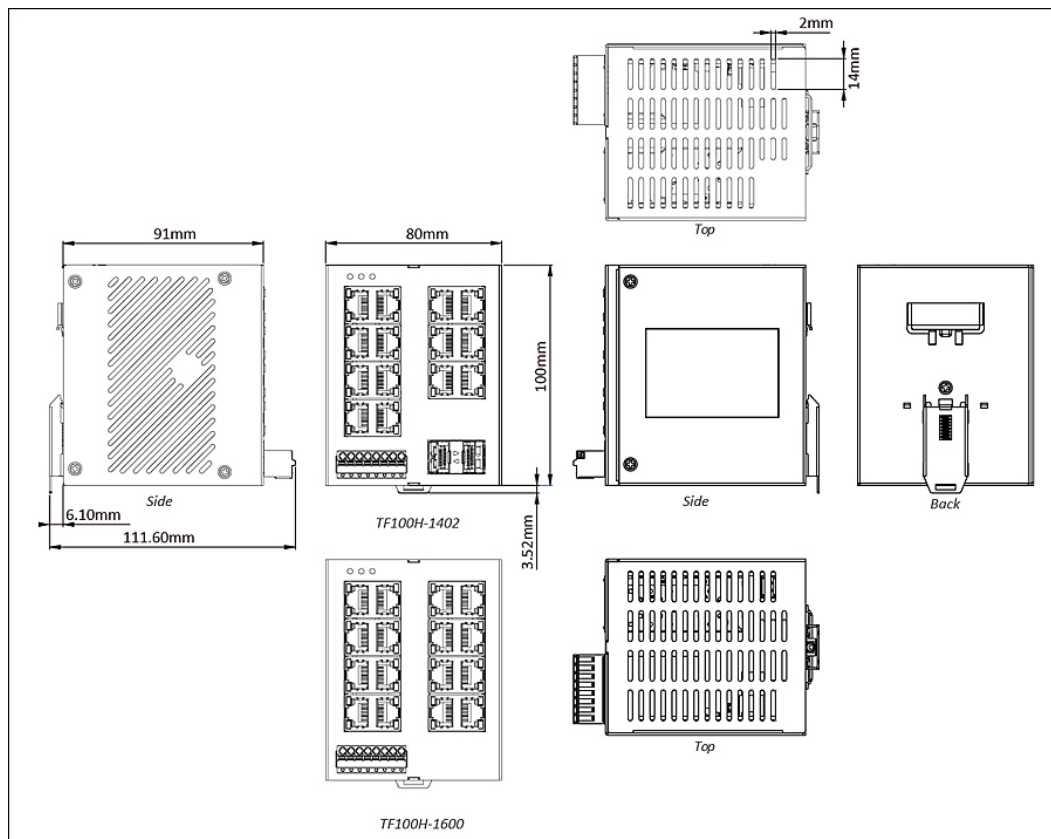
[www.etherwan.com/support/warranty-policy](http://www.etherwan.com/support/warranty-policy)

## + What's Included

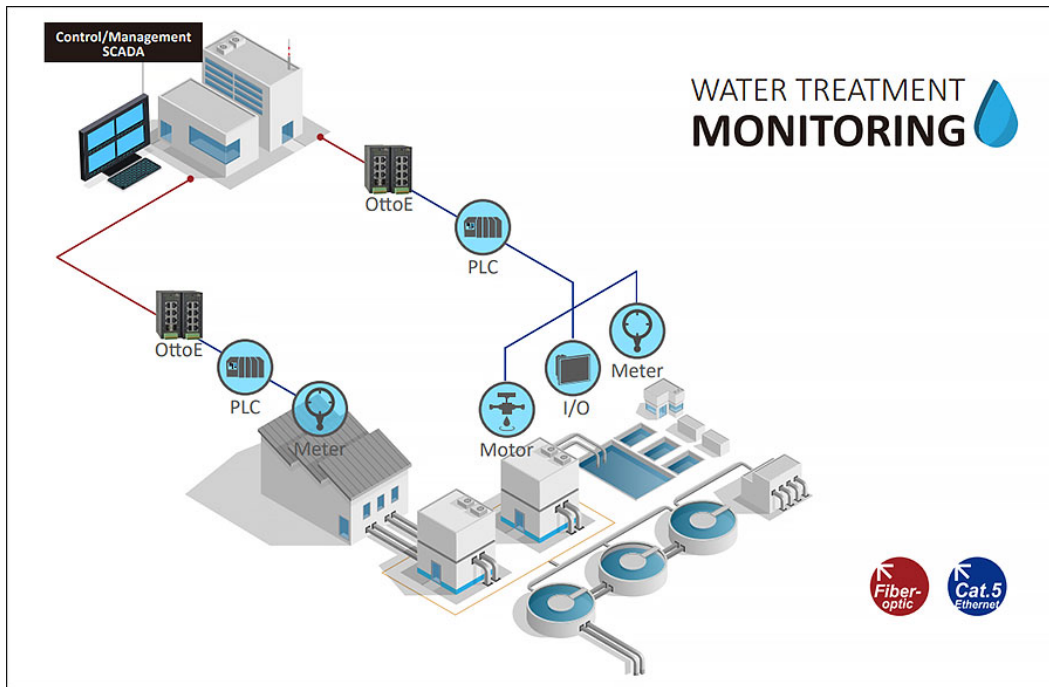
### Device

Ethernet switch

## Dimensions



## Application



# Ordering Info

## + Fast Ethernet models

|                     |                                                                                   |                                                                                   |
|---------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                     |  |  |
|                     | TF100-1600                                                                        | TF100-1402                                                                        |
| 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> |

