

# OttoE H 16 Series

Hardened 16-port Unmanaged Ethernet Switch



## Overview

The OttoE 16-port unmanaged Ethernet switches are designed for space-limited environments, standing just 100 mm tall. The **TG100-1600** and **TG100-1402 (Fast Ethernet)** offer flexible network options to meet various performance needs.

Both models support a wide voltage range of **9 to 55VDC** redundant power input and include a relay alarm for power failure, ensuring reliable and continuous operation. They feature **Auto MDI/MDIX**, **full/half-duplex auto-negotiation**, and **Quality of Service (QoS)** support to enhance overall network performance and traffic management. Housed in rugged metal, these switches are built to withstand challenging environments. Their DIN rail-mountable design, with a mounting kit included, ensures easy and secure installation.

## Highlight

### + Range of Operating Temperatures

Supports Hardened Grades

### + High Reliability

Fanless design

### + SFP Connectivity

Up to two 100/1000BASE SFP option

### + Quality of Service

PROFINET (TG100H), EtherNet/IP

## Specifications

### + Interface

#### Ethernet

10/100BASE-TX: 6/8/14/16-ports

10/100/1000BASE-TX: 6/8-ports

100BASE-SFP: 0/2-ports

100/1000BASE-SFP: 0/2-ports

#### Alarm Contact

One relay output with current 0.5A@30V (8-port Series)/0.5A@48V (16-port Series)

#### LED Indicators

Per Unit: Power 1 (Green), Power 2 (Green), Fault (Red)

Per Port: Link/Activity (Green)

Per Port: Speed (Yellow) (16-port Series)

### + Physical

#### Casing Material

Metal

#### IP Rating

IP30

#### Dimensions

8-port series: 45 x 75 x 100mm (W x D x H) (1.77" x 2.95" x 3.94")

16-ports series: 80 x 91 x 100mm (W x D x H) (3.15" x 3.58" x 3.94")

#### Weight

8-port Series: 336g (0.74lbs)

16-port Series: 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)  
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

768K bits (TF100H 8-port)  
2M bits (TF100H 16-port)  
1.5M bits (TG100H)

### Processing Type

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

### Address Table Size

2K MAC (TF100 8-port)  
8K MAC (TF100 16-port)  
4K MAC (TG100)

## + 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)  
FED STD 101C Method 5007.1 (8-port Series)  
IEC 60068-2-31 (16-port Series)  
(Free fall w/package)

### Industrial

EN 50121-4

### Traffic

NEMA TS2

## + Power

### Input

9-55VDC (Terminal Block)

### Power Consumption

3.4W max. (8-port Series)

3.72W max. (16-port Series)

### Protection

Reverse Polarity Protection

## + 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)

## + Warranty

### Length

Limited Lifetime

### Details

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

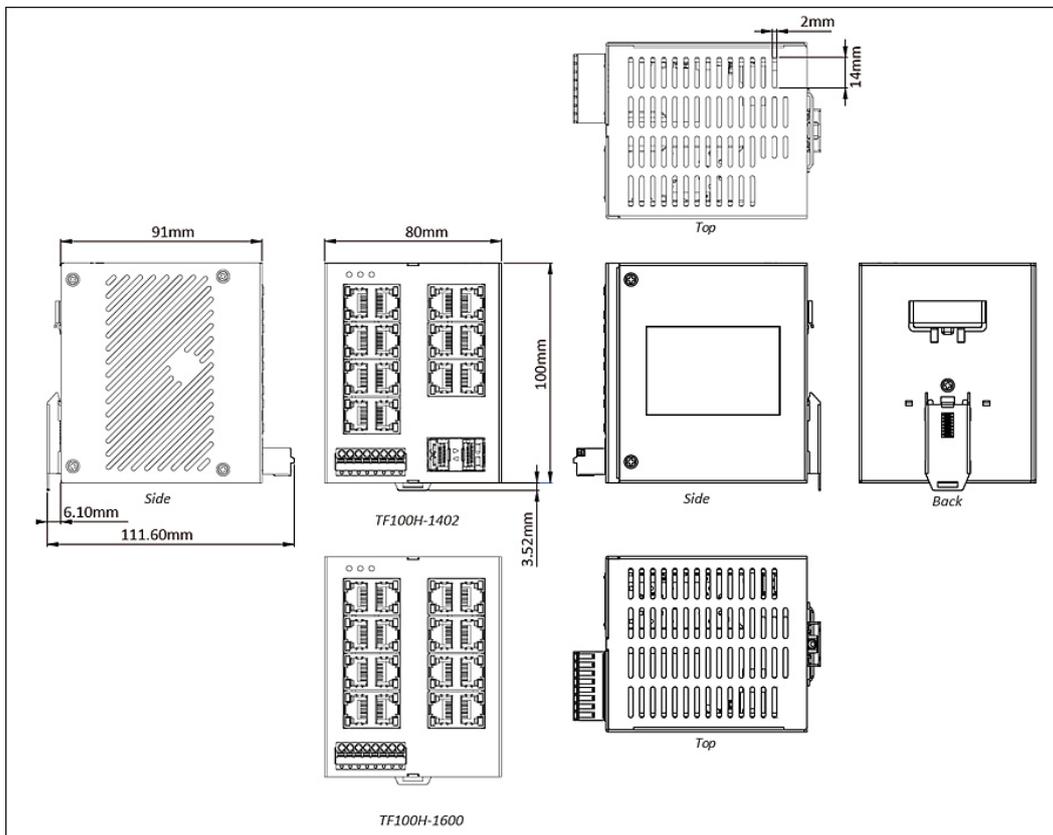
## + What's Included

### Device

Ethernet switch

## Dimensions

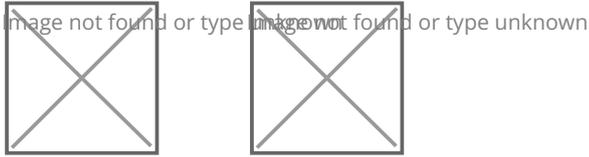
Hardened grade unmanaged 8 ports Ethernet switch





## Ordering Info

### + Fast Ethernet models



**TF100(H)-1600**

**TF100(H)-1402**

10/100Base TX	16	14
100Base SFP	-	2
Power input	2 ( 9~55VDC ) Push-in spring terminal block	
QoS	EtherNet/IP	EtherNet/IP
Product level	IP30	IP30
	<a href="#">Quote</a>	<a href="#">Quote</a>

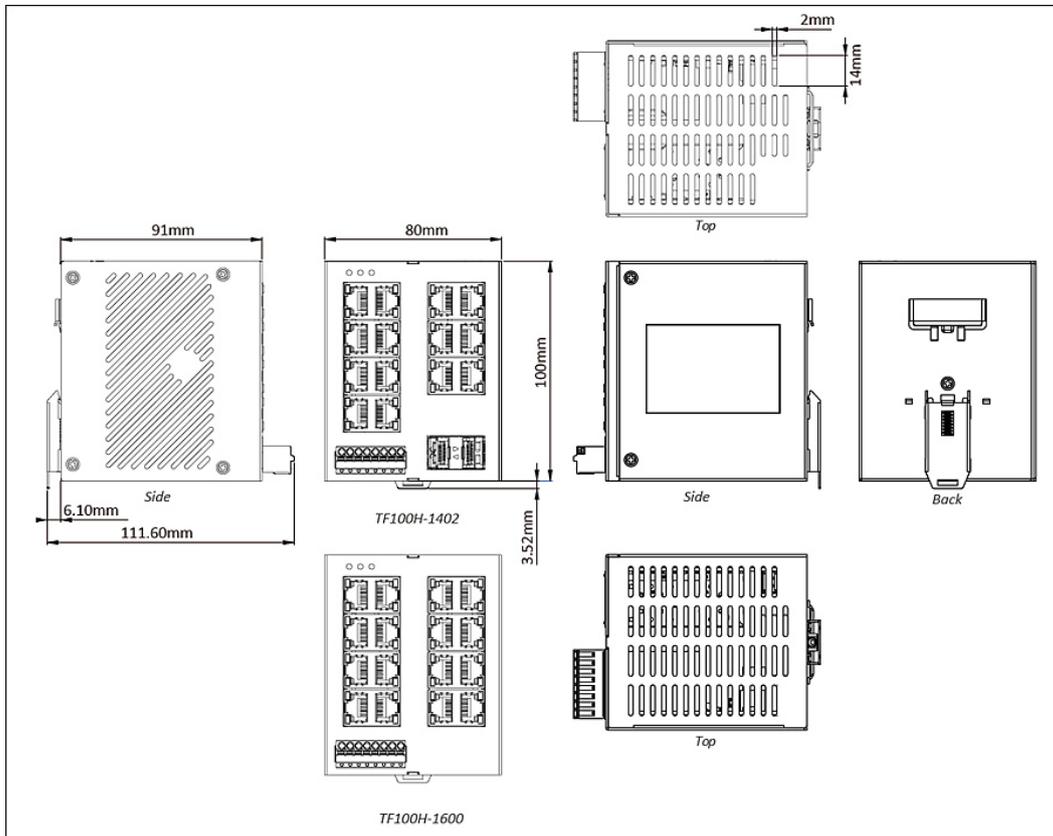
### + Optional Accessories

HDR-30-24	30W/1.5A DIN-Rail 24VDC Industrial Power Supply
HDR-60-24	60W/2.5A DIN-Rail 24VDC Industrial Power Supply

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

# Dimensions

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