OttoE 16 PORT

Industrial Unmanaged 16-port Fast Ethernet Switch



Overview

EtherWAN's OttoE Series is an industrial unmanaged Ethernet switching platform, designed for easy deployment in harsh environments with limited space. The OttoE Series is an economic easy-to-use device, which provides essential industrial Ethernet networking functionality.

It supports 9 to 55VDC redundant power input, and also provides relay alarm for power failure. The OttoE is equipped with Fast Ethernet ports, or a combination of Fast Ethernet copper ports and 100 Base SFP ports for long distance connectivity.

This versatile switch features full/half-duplex auto-negotiation and auto MDI/MDIX operation, allowing for convenient connection of a variety of network devices. QoS (Quality of Service) support allows for traffic prioritization and effective management of resources. A rugged, DIN rail mountable metal housing provides security and easy installation (mounting kit is included).

EtherWAN — "When Connectivity is Crucial."

Highlight

+ Range of Operating Temperatures

Supports Industrial Grades

+ High Reliability

Fanless design

+ SFP Connectivity

Up to two 100 BASE SFP option

+ Quality of Service

EtherNet/IP

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
768K bits (TF100)

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

Address Table Size
2K MAC (TF100)

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

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

Environmental

Operating Temp.
-10 to 60°C (14 to 140°F)

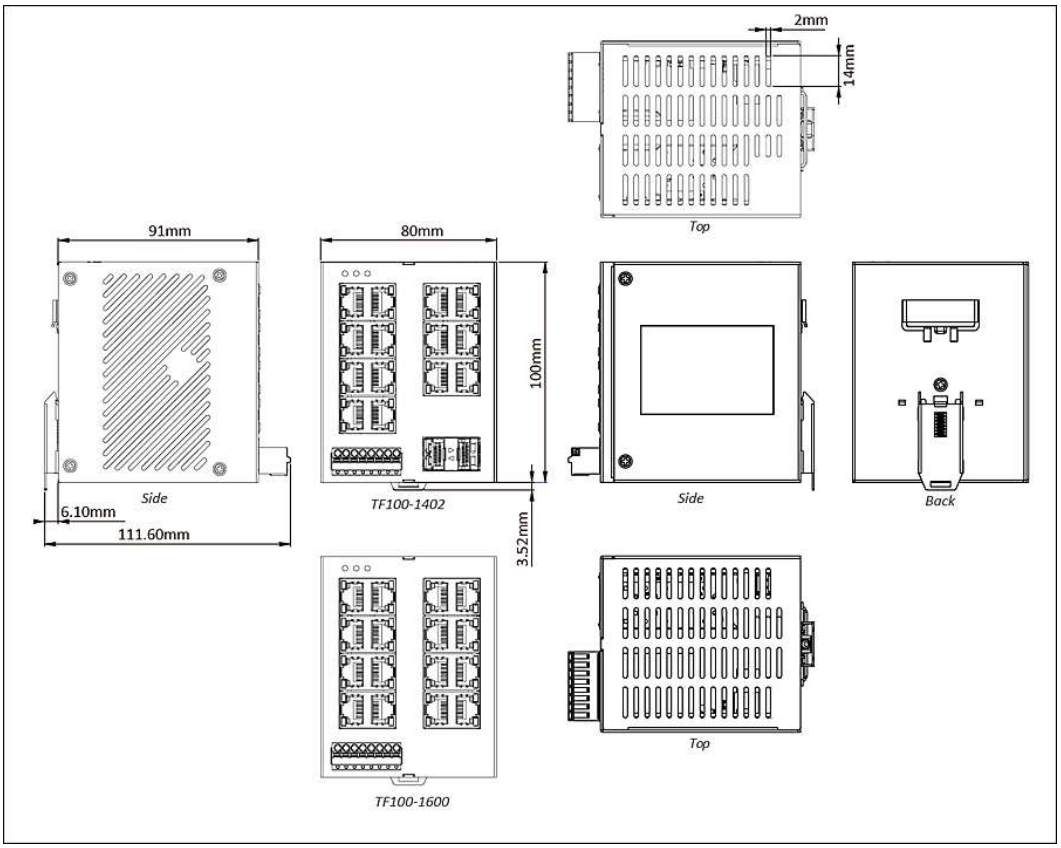
Storage Temp.
-40 to 85°C (-40 to 185°F)

Relative Humidity
5% to 95% (non-condensing)

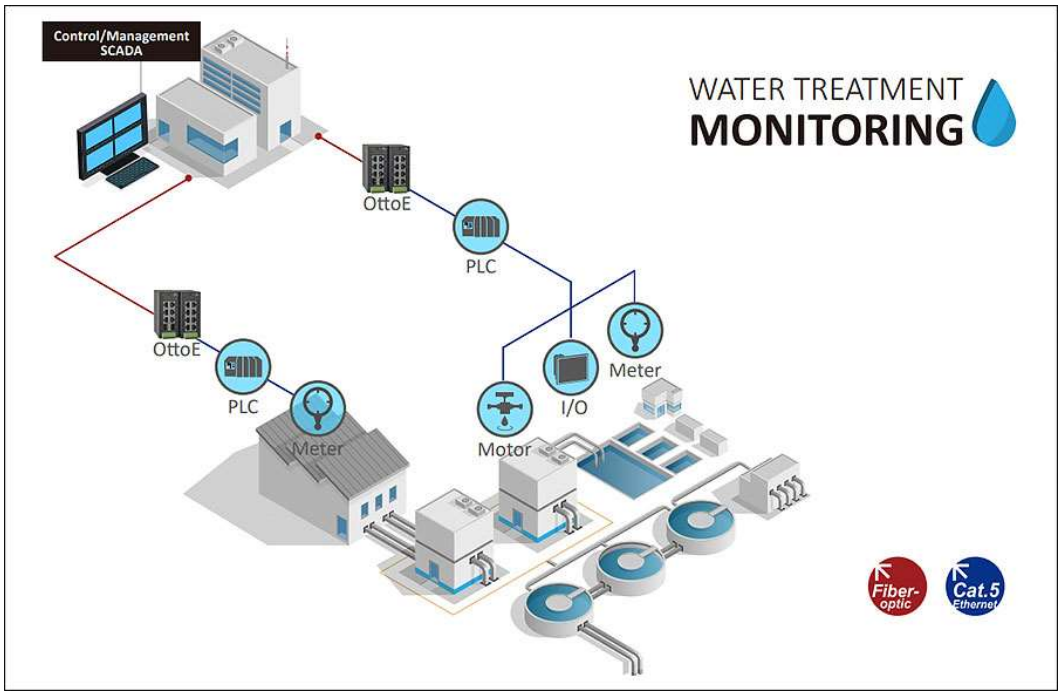
What's Included

Device
Ethernet switch

Dimensions


2mm
14mm
Top
91mm
80mm
100mm
Side
6.10mm
111.60mm
TF100-1402
3.52mm
Side
Back
Top
TF100-1600

Application



Ordering Info

Model

Fast Ethernet Models

TF100-1600	16-port 10/100BASE-TX Industrial Unmanaged Ethernet Switch
TF100-1402	14-port 10/100BASE-TX+2-port 100BASE SFP Industrial Unmanaged Ethernet Switch

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	www.etherwan.com/products/sfp-fiber-transceiver

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