OttoE Series

Industrial Unmanaged 8-port Fast/Gigabit Ethernet Switch

Overview

EtherWAN's OttoE Series is an Industrial unmanaged Fast Ethernet and Gigabit 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.

The OttoE hardened series has obtained the standard certifications, and the performance and quality conform to EN 50121-4, UL 61010, CE, FCC etc. The device supports redundant power input, and provides relay alarm in case of power failure. 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.

OttoE is equipped with eight Fast/Gigabit Ethernet ports, or a combination of Fast/Gigabit Ethernet copper ports and two 100 or 100/1000 Mbps dual rate SFP ports for long distance connectivity. A rugged, fan-less, 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

+ SFP Connectivity

Up to two 100/1000BASE SFP option

+ High Reliability

Fanless design

+ Quality of Service

PROFINET (TG100), EtherNet/IP

Specifications

➕ Interface

Ethernet
10/100BASE-TX: 8 or 6ports
10/100/1000BASE-TX: 8 or 6 ports
100BASE-SFP: 0 or 2 ports
100/1000BASE-SFP: 0 or 2 ports

Alarm Contact
One relay output with current 0.5A@30V

LED Indicators
Per Unit: Power 1 (Green), Power 2 (Green), Fault (Red)
Per Port: Link/Activity (Green)

➕ Technology

Standards
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 (TF100)
1.5M bits (TG100)

Processing Type
Store-and-Forward
Auto Negotiation
Half-duplex back-pressure and IEEE 802.3x full-duplex flow control
Auto MDI/MDIX

Address Table Size
2K MAC (TF100)
4K MAC (TG100)

➕ 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)

➕ 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 (Free fall w/package)

Industrial
EN 50121-4

➕ Power

Input
9-55VDC (Terminal Block)

Power Consumption
3.4W max. (TF100)
5.55W max. (TG100)

Protection
Reverse Polarity Protection

➕ Physical

Casing Material
Metal

IP Rating
IP40

Dimensions
45x75x100mm (W x D x H) (1.77"x2.95"x3.94")

Weight
336g (0.74lbs)

Installation Type
DIN-Rail (Top hat type 35mm) mounting
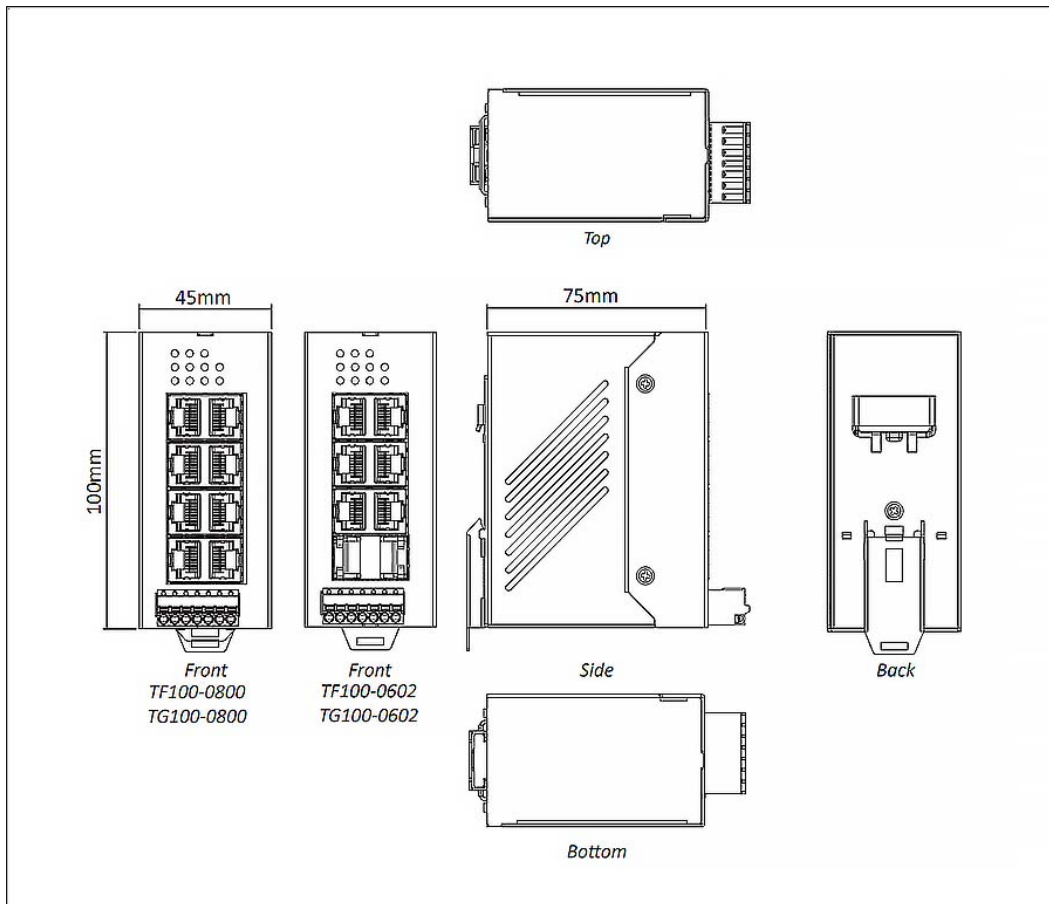
➕ Warranty

Length
Limited Lifetime

Details
www.etherwan.com/support/warranty-policy
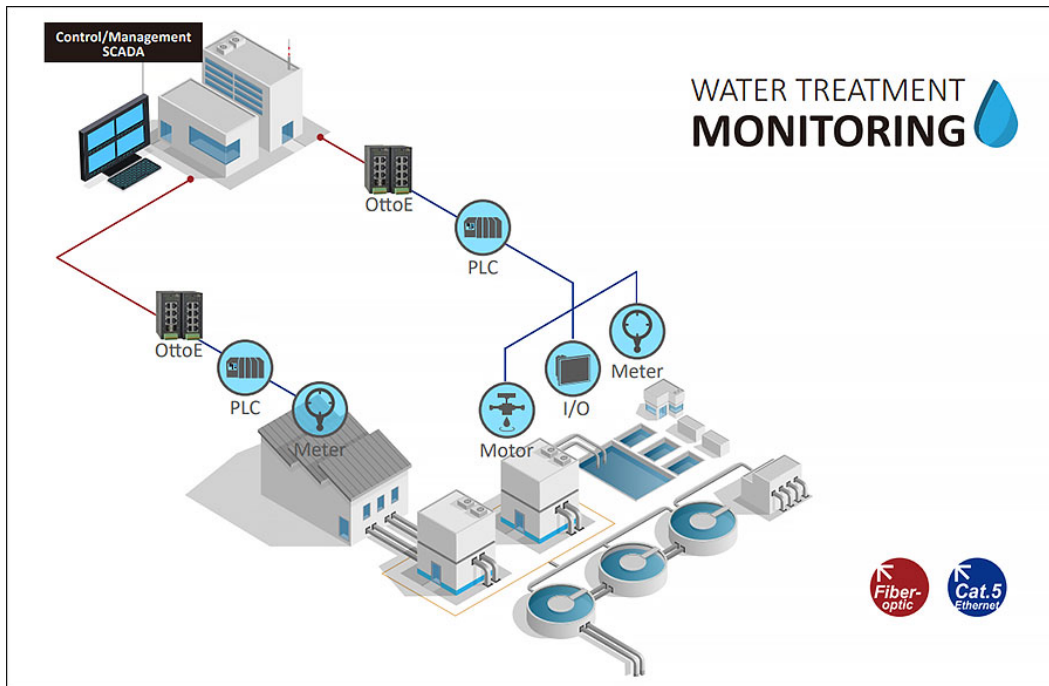
➕ What's Included

Device
Ethernet switch

Dimensions

Top

45mm · 75mm · 100mm

Front
TF100-0800
TG100-0800

Front
TF100-0602
TG100-0602

Side

Back

Bottom

Application

Ordering Info

➕ Model

Fast Ethernet Models

TF100-0800	8-port 10/100BASE-TX Industrial Unmanaged Ethernet Switch
TF100-0602	6-port 10/100BASE-TX+2-port 100BASE SFP Industrial Unmanaged Ethernet Switch

Gigabit Ethernet Models

TG100-0800	8-port 10/100/1000BASE-TX Industrial Unmanaged Ethernet Switch
TG100-0602	6-port 10/100/1000BASE-TX+2-port 100/1000BASE SFP Industrial Unmanaged Ethernet Switch

➕ 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	www.etherwan.com/products/sfp-fiber-transceiver
Gigabit SFP Modules	www.etherwan.com/products/sfp-fiber-transceiver