DIREKTRONIK

OttoE / OttoE H Series

Industrial/Hardened Unmanaged 8-port Fast/Gigabit Ethernet Switch

EtherWAN

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LISTED

NEMATS2   EN50121-4   UL 61010   Fanless

Product Highlights

➔ **Range of Operating Temperatures**
  • Supports both Industrial and Hardened Grades

➔ **SFP Connectivity**
  • Up to two 100/1000BASE SFP option

➔ **High Reliability**
  • Fanless design

➔ **Quality of Service**
  • PROFINET (TG100, TG100H), EtherNet/IP

Overview

EtherWAN's OttoE Series is an industrial/hardened unmanaged 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.

It supports 9 to 55VDC redundant power input, and also provides relay alarm for power failure. The 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.

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."

Ordering Information

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
TF100H-0800	8-port 10/100BASE-TX Hardened Unmanaged Ethernet Switch
TF100H-0602	6-port 10/100BASE-TX+2-port 100BASE SFP Hardened Unmanaged Ethernet Switch

Gigabit Ethernet Models

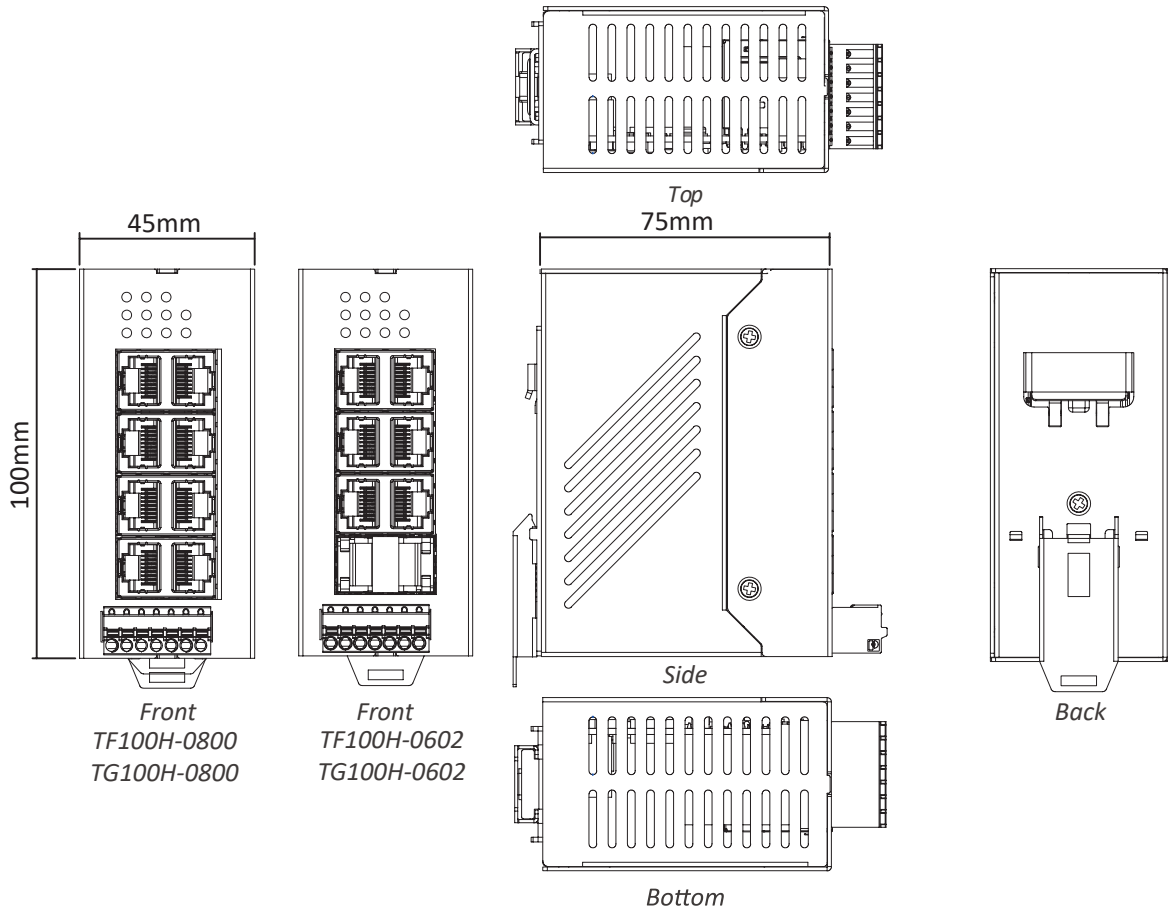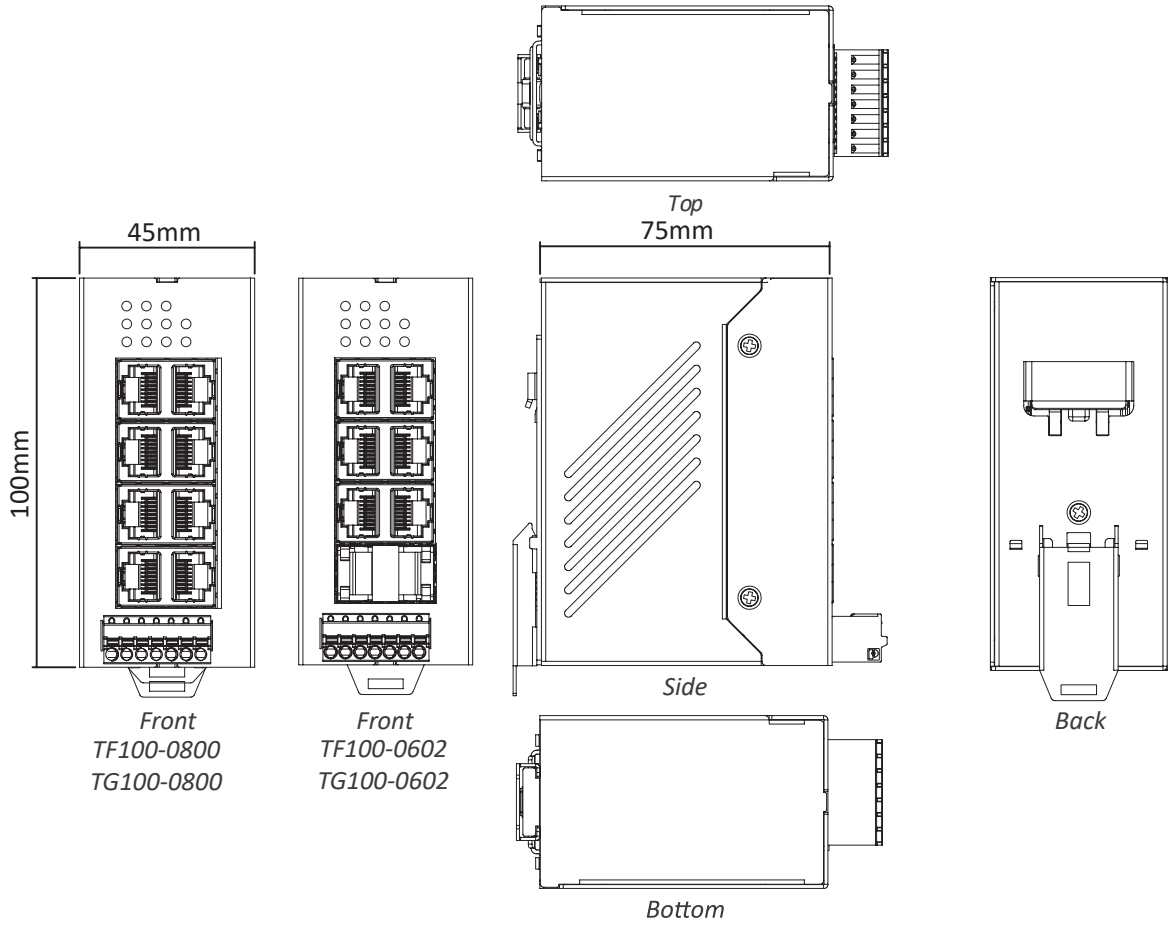|	
TG100-0800	8-port 10/100/1000BASE-TX Industrial Unmanaged Ethernet Switch
TG100-0602	6-port 10/100/1000BASE-TX+2-port 100/1000BASE SFP Industrial Unmanaged Ethernet Switch
TG100H-0800	8-port 10/100/1000BASE-TX Hardened Unmanaged Ethernet Switch
TG100H-0602	6-port 10/100/1000BASE-TX+2-port 100/1000BASE SFP Hardened 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

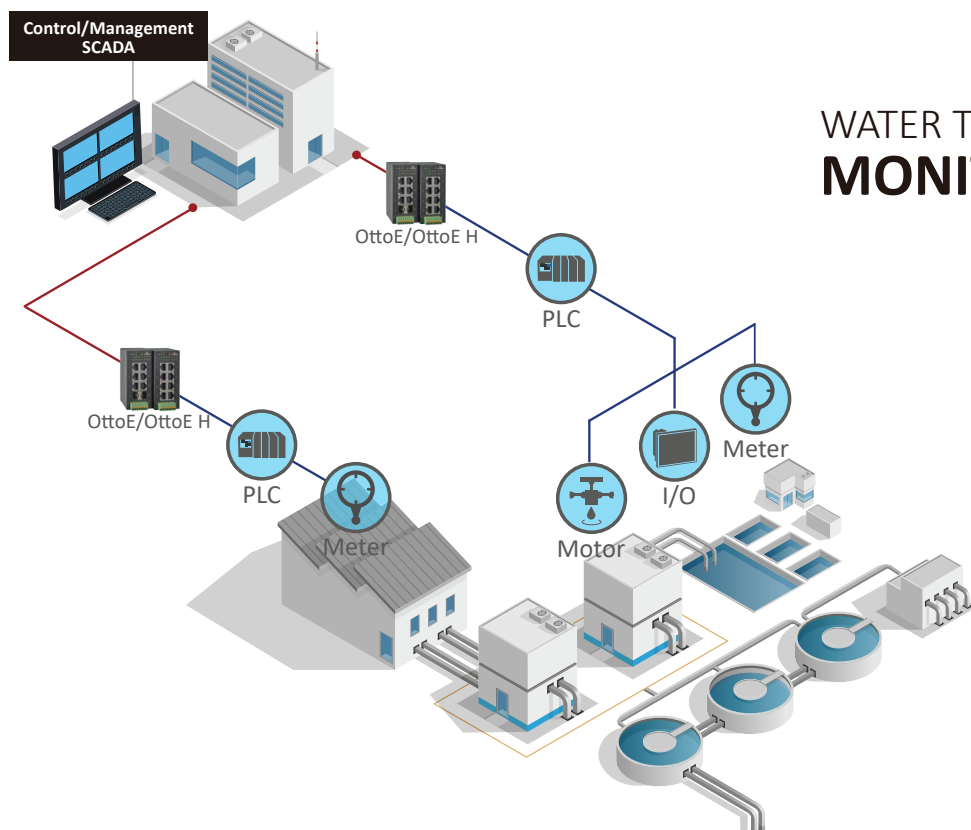# Hardware Specifications

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
LED Indicators	Per Unit: Power 1 (Green), Power 2 (Green), Fault (Red) Per Port: Link/Activity (Green)
Alarm Contact	One relay output with current 0.5A@30V

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 (TF100/TF100H) 1.5M bits (TG100/TG100H)
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/TF100H) 4K MAC (TG100/TG100H)

Power +

Input	12-48VDC (9-55VDC) (Terminal Block)
Power Consumption	3.4W max. (TF100/TF100H) 5.55W max. (TG100/TG100H)
Protection	Reverse Polarity Protection

Physical +

Casing Material	Metal
IP Rating	IP40 IP30 (H series)
Dimensions	45x75x100mm (W x D x H) (1.77"x2.95"x3.94")
Weight	336g (0.74lbs)
Installation	DIN-Rail (Top hat type 35mm) mounting

Environmental +

Operating Temp.	-10 to 60°C (14 to 140°F) -40 to 75°C (-40 to 167°F) (H series)
Storage Temp.	-40 to 85°C (-40 to 185°F)
Relative Humidity	5% to 95% (non-condensing)

Regulatory +

ISO	Manufactured in an ISO 9001 facility
Safety	UL 61010
EMI	FCC Part 15 B 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)
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
Traffic	NEMA TS2 (H series)

Warranty +

Length	Limited Lifetime
Details	www.etherwan.com/support/warranty-policy

What's Included +

Device	Ethernet switch
Installation	Mounting brackets, screws
Documentation	Quick install guide

Dimensions

Top
75mm

45mm

100mm

Front
TF100-0800
TG100-0800

Front
TF100-0602
TG100-0602

Side

Bottom

Back

Top
75mm

45mm

100mm

Front
TF100H-0800
TG100H-0800

Front
TF100H-0602
TG100H-0602

Side

Bottom

Back

Application

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Direktronik AB tel. 08-52 400 700 www.direktronik.se