OttoE 08H GE

Hardened 8-port Gigabit Unmanaged Ethernet Switches



Overview

The **OttoE 08H GE** Series from EtherWAN is a compact, Hardened-grade unmanaged Ethernet switch, built for reliable performance in space-constrained and harsh environments. Designed for simplicity and efficiency, it delivers essential Ethernet networking capabilities at a cost-effective price point.

Supporting a wide input voltage range of **9 to 55VDC** with redundant power options, the OttoE 08H GE also features a relay alarm to signal power failures. The switch offers multiple Gigabit Ethernet ports, with models available that include both copper and 100/1000Mbps dual rate **SFP** ports for extended-distance connections.

With support for auto-negotiation (full/half duplex) and auto MDI/MDIX, device connection is straightforward and hassle-free. **QoS** (Quality of Service) functionality ensures traffic prioritization for optimized network performance. Housed in a rugged metal enclosure designed for DIN rail mounting, the OttoE 08H GE is built for easy installation and long-term durability—mounting kit included.

Deployment scenarios: Automation, Railway, Intelligent Intersection, Infrastructure

IEC 62443-4-2 Compliance – Built and reviewed according to IEC 62443-4-1 secure development practices.

EtherWAN — "When Connectivity is Crucial."

Highlight

Reliable Operation

Redundant dual power input 12/24/48 VDC

SFP Connectivity

Up to two 100/1000BASE SFP option

Rugged Design

Fanless design (No moving parts)

Wide temperature -40 to 75C

QoS Prioritized Messages

EtherNet/IP (UDP 2222)

PROFINET (Ether type 0x8892)

Specifications

Interface

Ethernet

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

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

Physical

Casing Material

Metal

IP Rating

IP30

Dimensions

45 x 75 x 100mm (W x D x H) (1.77" x 2.95" x 3.94")

Weight

336g (0.74lbs)

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

1.5M bits

Processing Type

Store-and-Forward

Auto Negotiation

Half-duplex back-pressure

Auto MDI/MDIX

Address Table Size

4K 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

Cybersecurity

IEC 62443-4-1

IEC 62443-4-2

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)

Traffic

NEMA TS2

Railway

EN 50121-4

Power

Input

9-55VDC (Terminal Block)

Power Consumption

3.4W max.

Protection

Reverse Polarity Protection

Environmental

Operating Temp.

-40 to 75C (40 to 167F)

Storage Temp.

-40 to 85°C (-40 to 185°F)

Relative Humidity

5% to 95% (non-condensing)

Warranty

Length

Limited Lifetime

Details

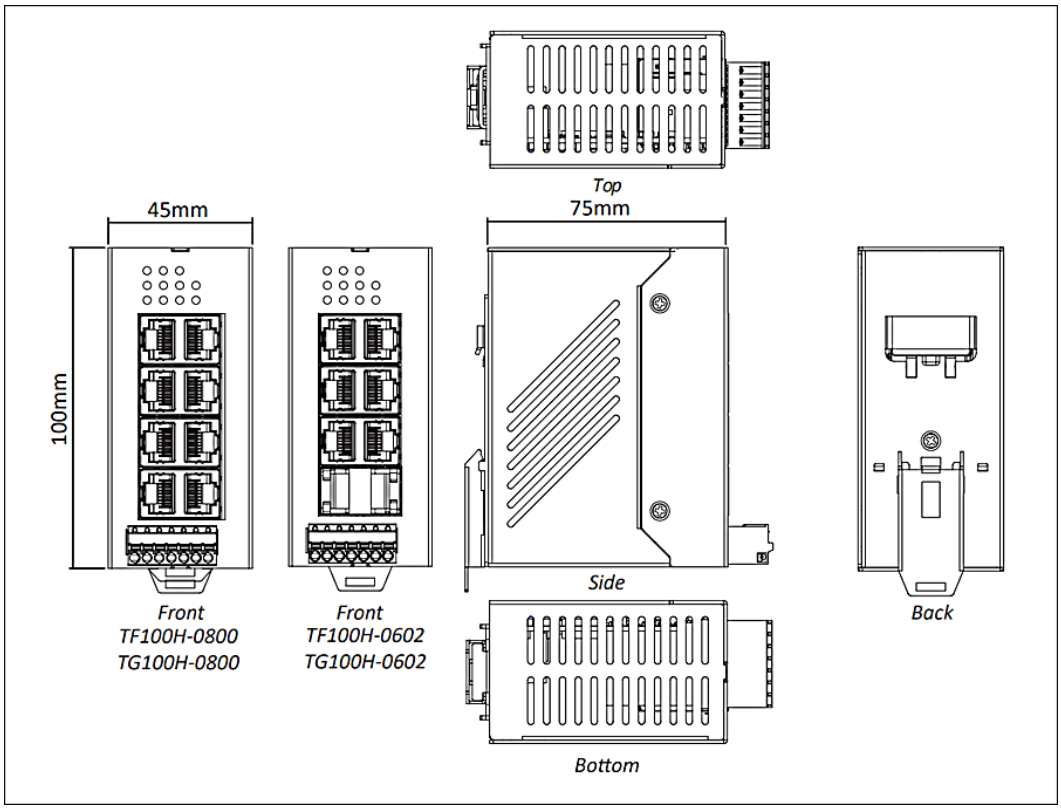
www.etherwan.com/support/warranty-policy

What's Included

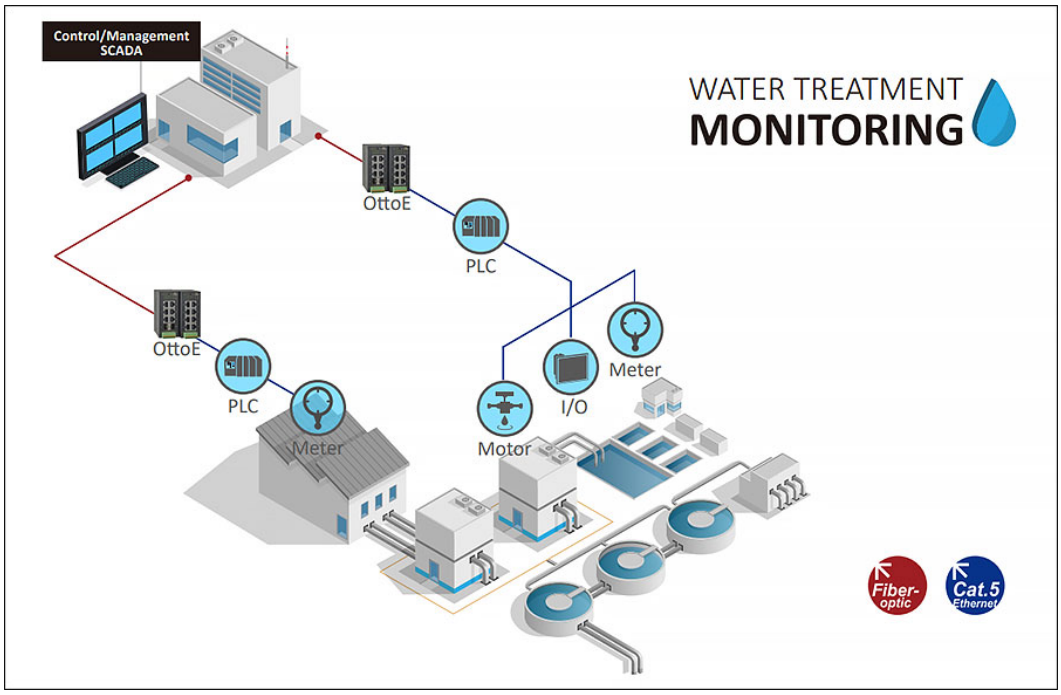
Device

Ethernet switch

Dimensions



Application



Ordering Info

Gigabit Ethernet models

	 TG100H-0800	 TG100H-0602	 TG100-0800	 TG100-0602
10/100/1000BASE TX	8	6	8	6
100/1000BASE SFP	-	2	-	2
Power Input	2 (9~55VDC) Push-in spring terminal block			
QoS	EtherNet/IP, Profinet			
Corrosion Resistant	IP30		IP40	
Operating Temp.	-40 to 75°C		-10 to 60°C	
	Quote	Quote	Quote	Quote

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

100/1000BASE SFP Modules	www.etherwan.com/products/sfp-fiber-transceiver

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