

# OttoE 08H GE

Hardened 8-port Gigabit Ethernet Unmanaged 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

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

### 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

## + Power

### Input

9-55VDC (Terminal Block)

### Power Consumption

3.4W max.

### 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

