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

➕ Warranty

Length

Limited Lifetime

Details

www.etherwan.com/support/warranty-policy

➕ 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)

➕ What's Included

Device

Ethernet switch