

OttoE 05 GE

Industrial 5-port Gigabit Ethernet Unmanaged Switch



Overview

The **OttoE 05 GE** from EtherWAN is a compact, Industrial-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.

The wide **9 to 55VDC** power input range flexibly supports 12V, 24V and 48VDC industrial power requirements, making it adaptable to various installation environments. Paired with a compact and durable plastic enclosure, the design not only reduces overall device weight but also offers excellent resistance to impact and corrosion.

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 05 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

Power input 12/24/48 VDC

+ Corrosion resistant

IP30 design

+ Rugged Design

Fanless design (No moving parts)

+ QoS Prioritized Messages

EtherNet/IP (UDP 2222)
PROFINET (EtherType 0x8892)

Specifications

+ Interface

Ethernet

10/100/1000BASE-TX: 5-ports

LED Indicators

Per Unit: Power 1 (Green)

Per Port: Link/Activity (Green)

+ Physical

Casing Material

Plastic

IP Rating

IP30

Dimensions

25 x 81 x 100mm (W x D x H)(0.98" x 3.19" x 3.94")

Weight

120g (4.23lbs)

Installation Type

DIN-Rail (Top hat type 35mm) mounting

+ Technology

Standards

IEEE 802.3 10BASE-T

IEEE 802.3u 100BASE-TX

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

1M bits

Processing Type

Store-and-Forward

Auto Negotiation

Half-duplex back-pressure

Auto MDI/MDIX

Address Table Size

2K 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)

IEC 60068-2-31

(Free fall w/package)

Industrial

EN 50121-4

+ Power

Input

9-55VDC (Terminal Block)

Power Consumption

TBD W max.

Protection

Reverse Polarity Protection

+ 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)

+ Warranty

Length

Limited Lifetime

Details

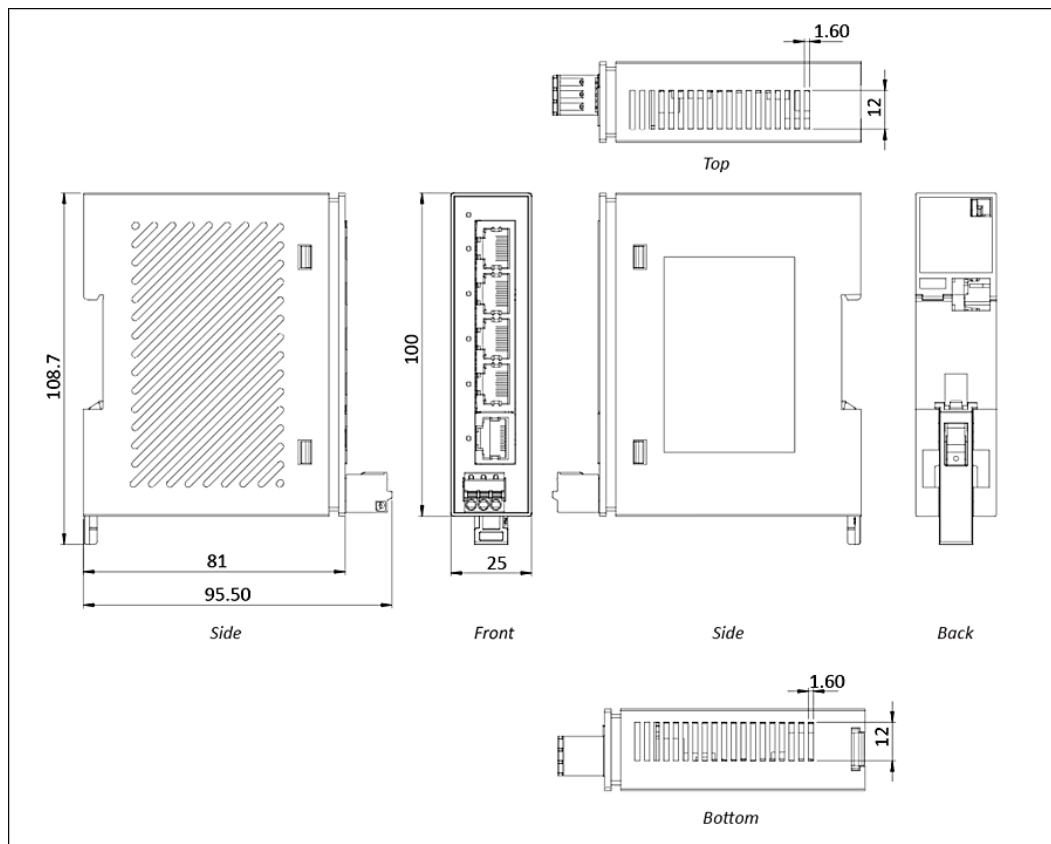
www.etherwan.com/support/warranty-policy

+ What's Included

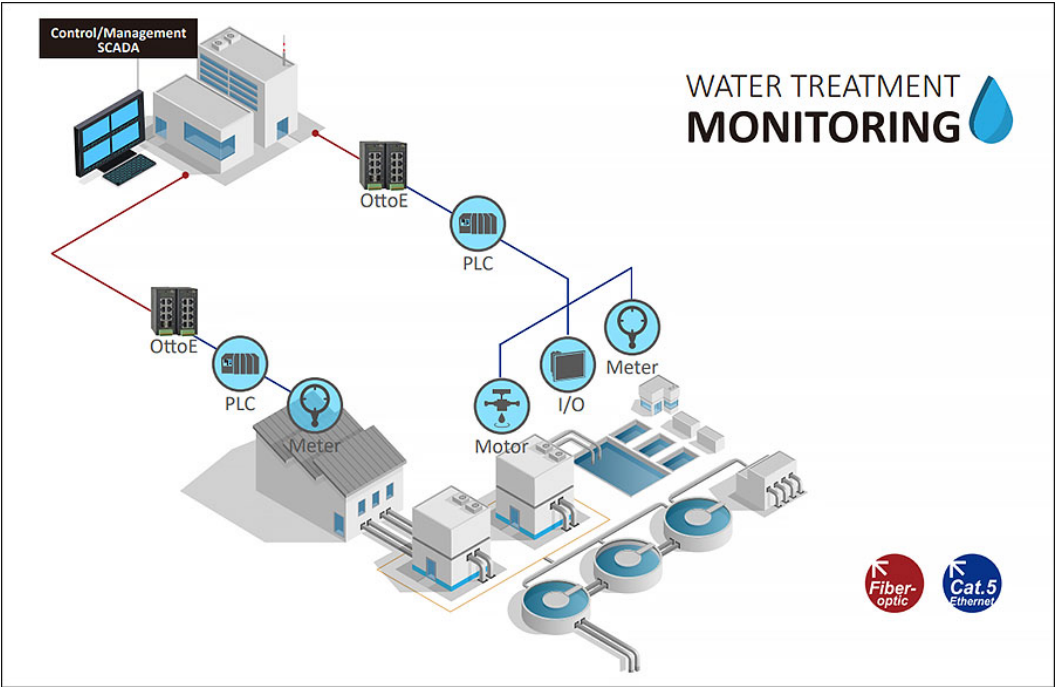
Device

Ethernet switch

Dimensions



Application



Ordering Info

+ Fast Ethernet models



TG100-0500

Power Input	1 (9~55VDC) Push-in spring terminal block
QoS	EtherNet/IP, Profinet
Corrosion Resistant	IP30
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

