OttoE 08H FE

Hardened 8-port Fast Ethernet Unmanaged Switches

Overview

The **OttoE 08H FE** 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 FE also features a relay alarm to signal power failures. The switch offers multiple Fast Ethernet ports, with models available that include both copper and 100Mbps **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 FE is built for easy installation and long-term durability—mounting kit included.

Deployment scenarios: Automation, Railway, Intelligent Intersectionbr />
EtherWAN — "**When Connectivity is Crucial.**"

Highlight

+ Reliable Operation

Redundant dual power input 12/24/48 VDC

+ SFP Connectivity

Up to two 100BASE SFP option

+ Rugged Design

Fanless design (No moving parts)
Wide temperature -40 to 75°C

+ QoS Prioritized Messages

EtherNet/IP (UDP 2222)

Specifications

✚ Interface

Ethernet
10/100BASE-TX: 6/8-ports
100BASE-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)

Forward/Filtering Rate
14,880pps for 10Mbps
148,810pps for 100Mbps

Packet Buffer Memory
768K 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)
FED STD 101C Method 5007.1
(Free fall w/package)

Industrial
EN 50121-4

✚ 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
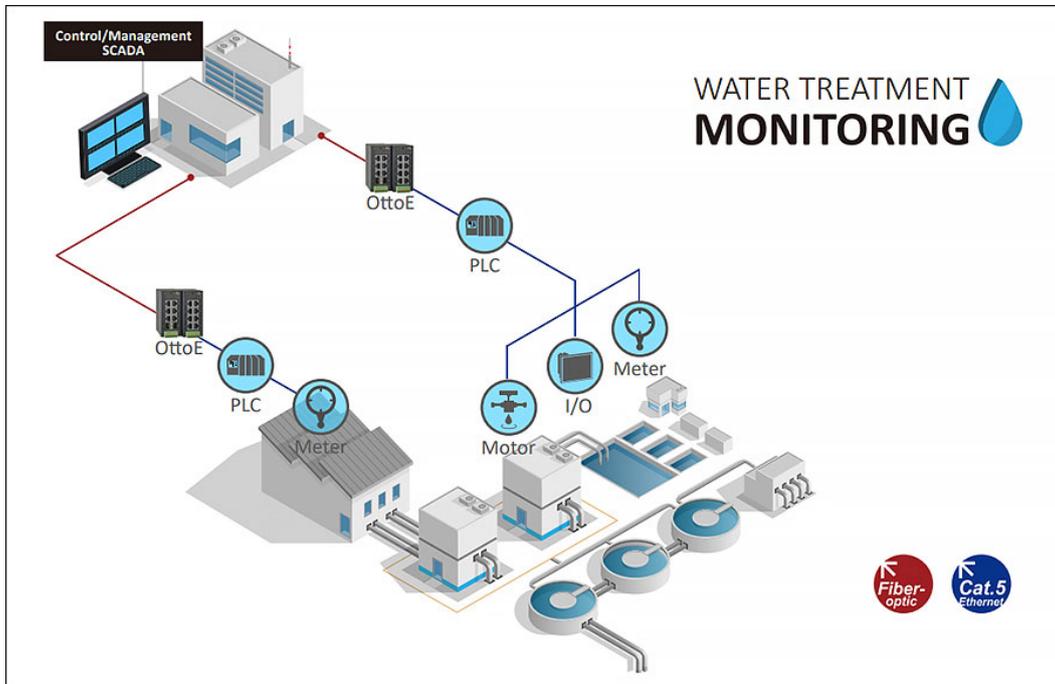
✚ What's Included

Device
Ethernet switch

Dimensions

Hardened grade unmanaged 8 ports Etherenet switch

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Application

Ordering Info

➕ Fast Ethernet models

	TF100H-0800	TF100H-0602
10/100BASE TX	8	6
100BASE SFP	-	2
Power Input	2 (9~55VDC) Push-in spring terminal block	
QoS	EtherNet/IP	
Corrosion Resistant	IP30	
	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

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