

OttoE Series

Industrial Unmanaged 8-port Fast/Gigabit Ethernet Switch



Product Highlights

Industrial Grade

- Supports -10 to 60°C (14 to 140°F) operating temperature

SFP Connectivity

- Up to two 100/1000BASE SFP option

High Reliability

- Fanless design

Quality of Service

- PROFINET (TG100), EtherNet/IP

Overview

EtherWAN's OttoE Series is an industrial unmanaged Gigabit Ethernet switching platform, designed for easy deployment in harsh environments with limited space. The OttoE Series is an economic easy-to-use device, which provides essential industrial Ethernet networking functionality.

It supports 9 to 55VDC redundant power input, and also provides relay alarm for power failure or link down. The OttoE is equipped with eight Fast/Gigabit Ethernet ports, or a combination of Fast/Gigabit Ethernet copper ports and two 100 or 100/1000 Mbps dual rate SFP ports for long distance connectivity.

This versatile switch features full/half-duplex auto-negotiation and auto MDI/MDIX operation, allowing for convenient connection of a variety of network devices. QoS (Quality of Service) support allows for traffic prioritization and effective management of resources. A rugged, DIN rail mountable metal housing provides security and easy installation (mounting kit is included).

EtherWAN – "When Connectivity is Crucial."

Ordering Information

Fast Ethernet Models

| | |
|-------------------|--|
| TF100-0800 | 8-port 10/100BASE-TX Industrial Unmanaged Ethernet Switch |
| TF100-0602 | 6-port 10/100BASE-TX+2-port 100BASE SFP Industrial Unmanaged Ethernet Switch |

Gigabit Ethernet Models

| | |
|-------------------|--|
| TG100-0800 | 8-port 10/100/1000BASE-TX Industrial Unmanaged Ethernet Switch |
| TG100-0602 | 6-port 10/100/1000BASE-TX+2-port 100/1000BASE SFP Industrial Unmanaged Ethernet Switch |

Optional Accessories

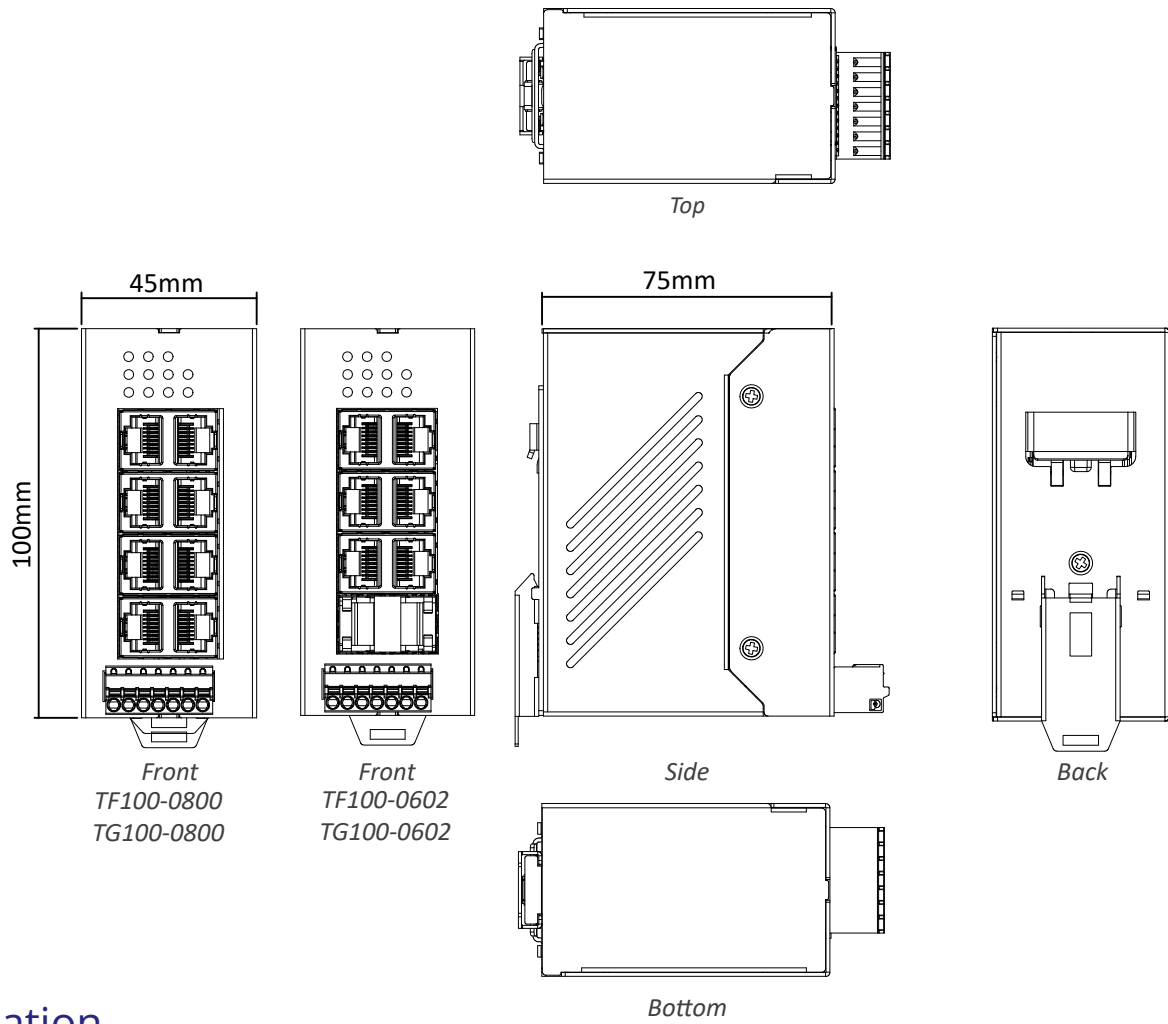
| | |
|------------------|---|
| HDR-30-24 | 30W/1.5A DIN-Rail 24VDC Industrial Power Supply |
| HDR-60-24 | 60W/2.5A DIN-Rail 24VDC Industrial Power Supply |

Hardware Specifications

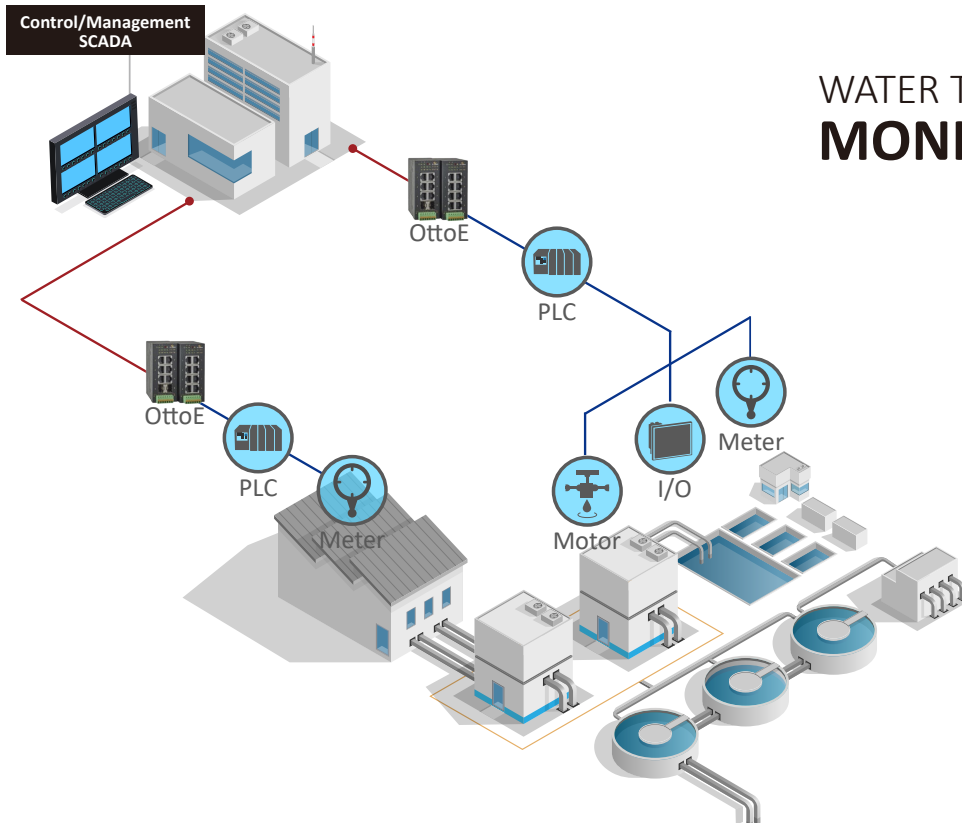
| Interface | | + |
|-------------------------------|---|---|
| Ethernet | 10/100BASE-TX: 8 or 6 ports 10/100/1000BASE-TX: 8 or 6 ports 100BASE-SFP: 0 or 2 ports 100/1000BASE-SFP: 0 or 2 ports | |
| LED Indicators | Per Unit: Power 1 (Green), Power 2 (Green), Fault (Red) Per Port: Link/Activity (Green) | |
| Alarm Contact | One relay output with current 0.5A@30V | |
| Technology | | + |
| Standards | IEEE 802.3u 100BASE-TX/FX IEEE 802.3x full-duplex flow control IEEE 802.3az Energy Efficient Ethernet IEEE 802.1p Quality of Service (QoS) | |
| Forward/Filtering Rate | 14,880pps for 10Mbps 148,810pps for 100Mbps 1,488,100pps for 1000Mbps | |
| Packet Buffer Memory | 768K bits (TF100) 1.5M bits (TG100) | |
| Processing Type | Store-and-Forward Auto Negotiation Half-duplex back-pressure and IEEE 802.3x full-duplex flow control Auto MDI/MDIX | |
| Address Table Size | 2K MAC (TF100) 4K MAC (TG100) | |
| Power | | + |
| Input | 12-48VDC (9-55VDC) (Terminal Block) | |
| Power Consumption | 3.4W max. (TF100) 5.55W max. (TG100) | |
| Protection | Reverse Polarity Protection | |
| Physical | | + |
| Casing Material | Metal | |
| IP Rating | IP40 | |
| Dimensions | 45x75x100mm (W x D x H) (1.77"x2.95"x3.94") | |
| Weight | 336g (0.74lbs) | |
| Installation | DIN-Rail (Top hat type 35mm) mounting | |
| 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) | |

| Regulatory | | + |
|--------------------------------------|--|---|
| ISO | Manufactured in an ISO 9001 facility | |
| Safety | UL 61010 | |
| EMI | FCC Part 15 Class A VCCI Class A EN 61000-6-4 ICES-003 EN 55032 | |
| 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) | |
| 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 | |
| Warranty | | + |
| Length | Limited Lifetime | |
| Details | www.etherwan.com/support/warranty-policy | |
| What's Included | | + |
| Device | Ethernet switch | |
| Installation | Mounting brackets, screws | |
| Documentation | Quick install guide | |

Dimensions



Application



WATER TREATMENT MONITORING 

