OttoE TF100-0800

8-port TX FE Ethernet Switches

Overview

EtherWAN's TF100-0800 is a industrial unmanaged Ethernet switching platform, designed for easy deployment in harsh environments with limited space. The TF100-0800 is an economic easy-to-use device, which provides essential industrial Ethernet networking functionality.

OttoE TF100-0800 supports 9 to 55VDC redundant power input, and also provides relay alarm for power failure. It is equipped with eight Fast Ethernet copper ports for 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.**"

Highlight

＋ Range of Operating Temperatures

Supports Industrial Grades

＋ High Reliability

Fanless design

＋ Rugged Design for Critical Environment

Corrosion resistant IP40 design

＋ Quality of Service

EtherNet/IP

Specifications

✚ Interface

Ethernet
10/100BASE-TX: 8 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
IP40

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.
-10 to 60°C (14 to 140°F)

Storage Temp.
-10 to 60°C (14 to 140°F)

Relative Humidity
5% to 95% (non-condensing)

✚ Warranty

Length
Limited Lifetime

Details
www.etherwan.com/support/warranty-policy
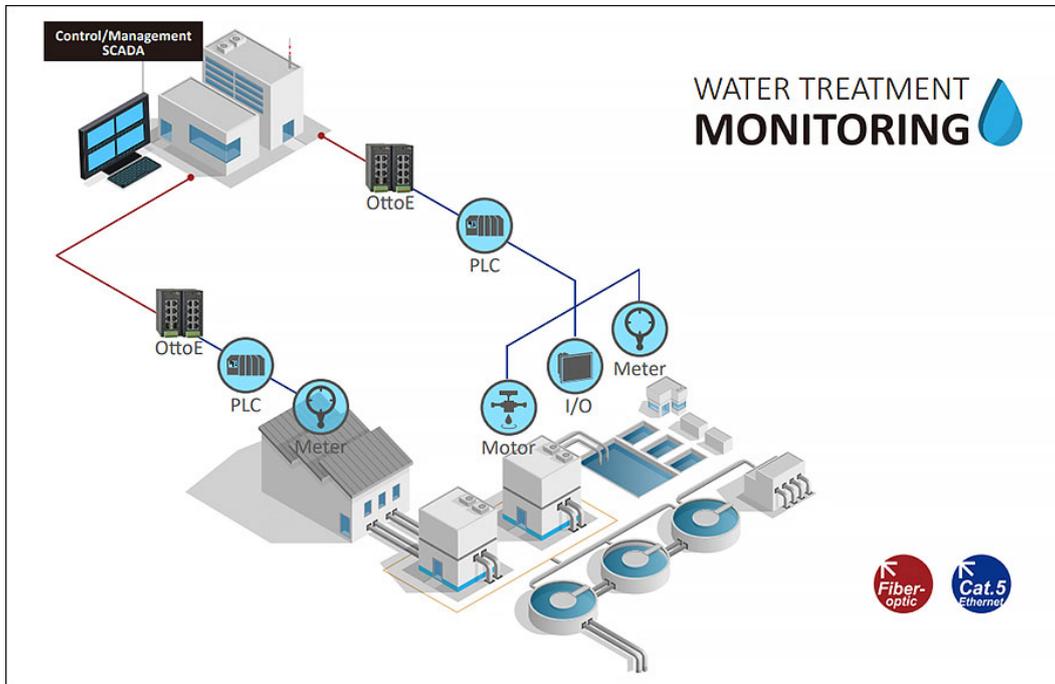
✚ What's Included

Device
Ethernet switch

Dimensions

Hardened grade unmanaged 8 ports Etherenet switch
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Application

Ordering Info

+ Model

TF100-0800	8-port 10/100BASE-TX 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