

TG100H Series

Hardened Unmanaged 8-Port Gigabit Ethernet Switch





Overview

+ Range of Operating Temperatures Supports Hardened Grades

+ SFP Connectivity

Up to two 100/1000BASE SFP option

+ High Reliability Fanless design

Quality of Service PROFINET (TG100H), EtherNet/IP

EtherWAN's OttoE Series is a hardened 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. 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).



Specifications

+ Interface

Ethernet 10/100/1000BASE-TX: 8 or 6 ports 100/1000BASE-SFP: 0 or 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)

+ 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 (TG100H)

Processing Type Store-and-Forward Auto Negotiation Half-duplex back-pressure Auto MDI/MDIX

Address Table Size 4K MAC (TG100H)

+ Power

Input 9-55VDC (Terminal Block)

Power Consumption 5.55W max. (TG100H)

Protection Reverse Polarity Protection

🕂 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

🕂 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)

+ Regulatory

ISO Manufactured in ISO-9001 facility

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)

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

+ Warranty

Length Limited Lifetime

Details www.etherwan.com/support/warranty-policy

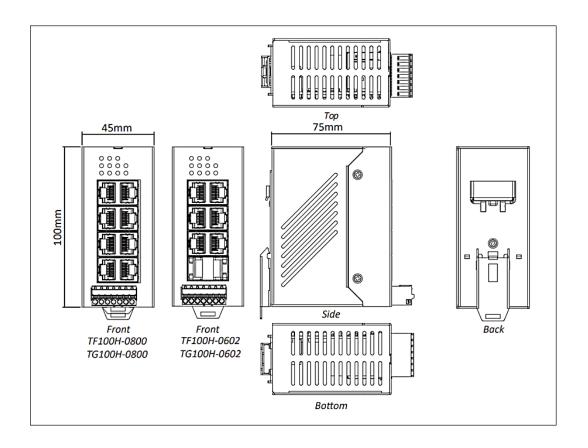
+ What's Included

Device Ethernet switch

Installation Mounting brackets, screws

Documentation Quick install guide

Dimensions





Ordering Info

+ Model

Gigabit Ethernet Models

TG100H-08008-port 10/100/1000BASE-TX Hardened Unmanaged Ethernet SwitchTG100H-06026-port 10/100/1000BASE-TX+2-port 100/1000BASE SFP Hardened Unmanaged Ethernet Switch

+ Optional Accessories

EPOW-24-6060W 24VDC NEMA TS2 Power SupplyEPHX-24-6060W/2.5A DIN-Rail 24VDC Industrial Power SupplySFP Modules100/1000BASE SFPs available for the TG100H



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