



Description

GZMI-1000-1F4R is an hardened 5-port Industrial Ethernet Switch, provides non-blocking wire-speed performance in harsh industrial environment.

It also provides 4-port 10/100/1000BASE-TX RJ45 +1-port 1000Base-Fx delivered in an IP40 rugged, strong case with redundant power system. Its slim case is suitable for such applications as surveillance system deployments, control management and wireless service in climatically demanding environments with wide temperature range from -40°C to 85°C.

It provides the flexibility to all kinds of 10/100Mbps Ethernet Media on RJ-45 port and performs highly stable fiber performance.

It is packaged in a compact IP40 case that allows either DIN rail or panel mounting to have efficient usage of cabinet space. It provides an integrated power supply with a wide range of voltages for worldwide operation. It also offers dual-redundant, reversible polarity 12V DC to 52V DC power supply inputs for high availability applications requiring dual or backup power inputs.

Features

- ❖ 4-port 10/100/1000Base-Tx RJ-45 with auto negotiation and auto-MDI/ MDI-X function
- ❖ 1-port 1000Base-Fx interface SC/FC/ST/SFP
- ❖ Multi-Mode up to 2km
- ❖ Single-Mode up to 20km/40km/60km/80km
- ❖ 12V to 52V DC, redundant power input
- ❖ -40°C to 85°C operating temperature
- ❖ IP40 aluminum housing
- ❖ Supports 6KV DC Ethernet ESD protection
- ❖ Supports 6KV DC EFT protection for power line
- ❖ Free Fall, Shock and Vibration Stability
- ❖ DIN-rail and wall-mountable hardware design

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Specification

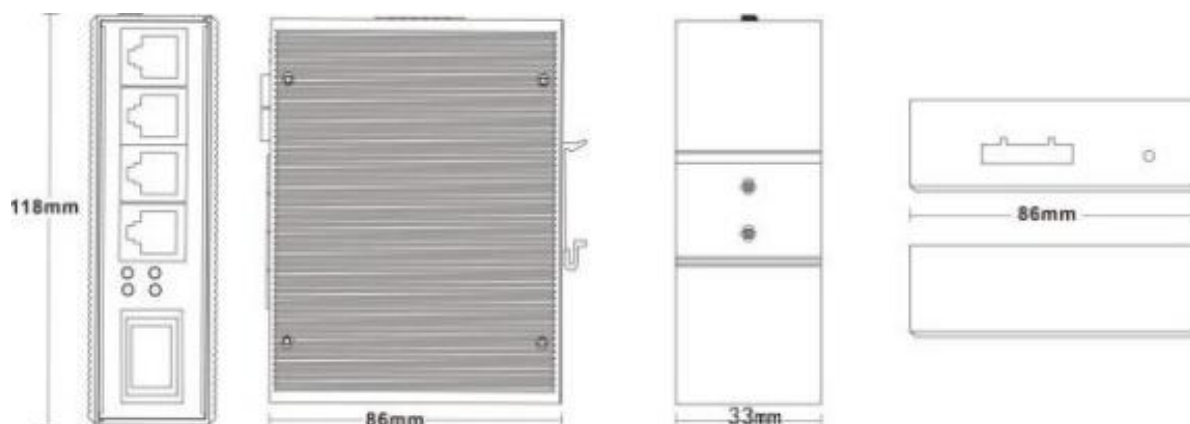
Model No.	GZMI-1000-2S4R/GZMI-1000-20S4R/GZMI-1000-1F4R
10/100/1000Base-TX Port	4 port RJ-45 auto-MDI / MDI-X
1000Base-FX Port	1 SC interface or SFP Slot
Fiber Port Type	SC / multi-mode ,up to distance 2km ; SC / single-mode ,up to distance 20km ; SFP: Vary on module
Optical Frequency	SC interface: 1310nm SFP: Vary on module
Performance Specification	Bandwidth: 14Gbps Packet Buffer Memory:1.2Mbit Packet Forwarding Rate:10.5Mpps MAC Address Table: 2K
Installation	DIN rail
Maximum Frame Size	9000bytes packet size
Flow Control	Back pressure for half duplex, IEEE 802.3x pause frame for full duplex
Enclosure	IP40 aluminum housing
LED Indicator	Power: Red Fiber: Link 2(Green) Ethernet: Yellow
Power Input	12 to 52V DC redundant power
Power Consumption	< 3 watts
Surge protection	±4KV
Network Protocols	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u;100Base-TX/FX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X;

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	IEEE802.3x;
Network cables	10BASE-T: Cat3,4,5 UTP(≤ 100 meter) 100BASE-TX: Cat5 or later UTP(≤ 10 meter) 1000BASE-TX: Cat6 or later UTP(≤ 100 meter)
Industry Standard	FCC CFR47 Part 15, EN55022/CISPR22, Class A IEC61000-4-2 (ESD): ± 8 kV (contact), ± 12 kV (air) IEC61000-4-3 (RS): 10V/m (80~1000MHz) IEC61000-4-4 (EFT): Power Port: ± 4 kV; Data Port: ± 2 kV IEC61000-4-5 (Surge): Power Port: ± 2 kV/DM, ± 4 kV/CM; Data Port: ± 2 kV IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz) IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)
Certification	CE FCC Rohs compliance
MTBF	>300,000hours
Dimensions (W x D x H)	118 x 86 x 33.5 mm
Weight	Product Weight: 0.36KG Packing Weight: 0.46KG
Working Environment	Working temperature: $-40 \sim 85^{\circ}\text{C}$; Storage temperature: $-40 \sim 85^{\circ}\text{C}$ Relative Humidity: 5%~95 % (no condensation)
Warranty	1-year replacement with new item; 3-years for main parts.

Dimensions



Ordering Information

GZMI-1000-2S4R	4-Port 10/100/1000Base-TX +1000Base-FX ,Multi-Mode (1310nm) ,Duplex,SC 2km	
GZMI-1000-20S4R	4-Port 10/100/1000Base-TX +1000Base-FX ,Single-Mode (1310nm) ,Dual,SC 20km	
GZMI-1000-20AS4R	4-Port 10/100/1000Base-TX + 1000Base-FX,Single-Mode (Tx1310nm/Rx1550) ,Single,SC 20km	
GZMI-1000-20BS4R	4-Port 10/100/1000Base-TX +1000Base-FX,Single-Mode (Tx1550nm/Rx1310) ,Single,SC 20km	
GZMI-1000-1F4R	4-Port 10/100/1000Base-TX +1000Base-FX, (SFP Slot)	
Power supply (optional)	GZ5121-DC	DC 12V/1A, suitable for non-PoE Industrial switch
	GZ5241-DC	DC 24V/1A, suitable for non-PoE Industrial switch
	GZ5521-DC	DC 52V/1A, suitable for 1-Port PoE Industrial switch, or non-PoE Industrial switch

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