



Description

GZMI-1000-1F4P is an hardened 5-port Industrial Ethernet PoE Switch, provides non-blocking wire-speed performance in harsh industrial environment.

It also provides 4-port 10/100/1000BASE-TX RJ45 PoE +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, supplying 30W PoE, compatible with 802.3AT/AF
- ❖ 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 design

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Specification

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|---------------------------|---|
| Model No. | GZMI-1000-2S4P/GZMI-1000-20S4P/GZMI-1000-1F4P |
| 10/100/1000Base-TX Port | 4-Port RJ-45 auto-MDI / MDI-X |
| PoE Specification | PoE Standard: IEEE802.3af/ IEEE802.3at |
| | PoE ports: 1-4 port support PoE |
| | Power Output: Max. 15.4 watts (IEEE 802.3af) Max. 30 watts (IEEE 802.3at) |
| | PoE port Auto detect AF/AT devices |
| | Output Voltage: DC48V |
| | Power Pin Assignment: 1/2+; 3/6- |
| | Power Type: End-span(Mid-span optional) |
| | |
| 1000Base-FX Port | 1 SC Interface or 1 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 | 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) |

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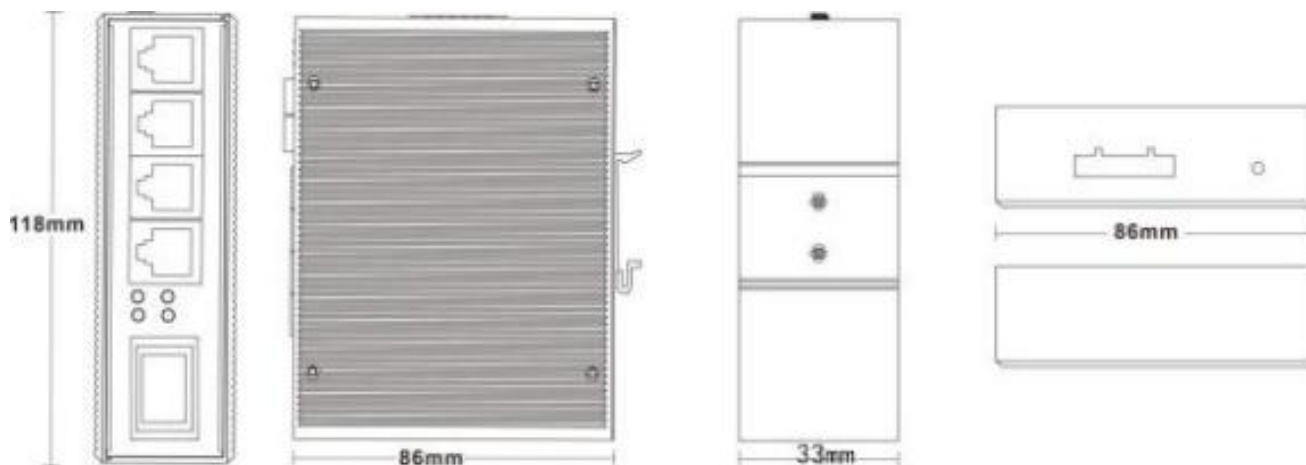
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| | Ethernet: Yellow |
| Power Input | 48 to 57V DC redundant power |
| Power Consumption | < 3 watts |
| Surge protection | ±4KV |
| Network Protocols | IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u;100Base-TX/FX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x; |
| Network cables | 10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤10meter) 1000BASE-TX: Cat6 or later UTP(≤100 meter) |
| Industry Standard | FCC CFR47 Part 15,EN55022/CISPR22, Class A IEC61000-4-2 (ESD): ±8kV (contact), ±12kV (air) IEC61000-4-3 (RS): 10V/m (80~1000MHz) IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV 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: -40~85℃ ; |

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| | Storage temperature: -40~85℃ Relative Humidity: 5%~95 %(no condensation) |
| Warranty | 1-year replacement with new item; 3-years for main parts. |

Dimensions



Ordering Information

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| GZMI-1000-2S4P | 4-Port 10/100/1000Base-TX(POE) +1000Base-FX ,Multi-Mode (1310nm) ,Duplex,SC 2km | |
| GZMI-1000-20S4P | 4-Port 10/100/1000Base-TX (POE)+1000Base-FX ,Single-Mode (1310nm) ,Dual,SC 20km | |
| GZMI-1000-20AS4P | 4-Port 10/100/1000Base-TX(POE) + 1000Base-FX,Single-Mode (Tx1310nm/Rx1550) ,Single,SC 20km | |
| GZMI-1000-20BS4P | 4-Port 10/100/1000Base-TX(POE) +1000Base-FX,Single-Mode (Tx1550nm/Rx1310) ,Single,SC 20km | |
| GZMI-1000-1F4P | 4-Port 10/100/1000Base-TX(POE) +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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