

Description

GZMI-1000-8R is an hardened 8-port Industrial Ethernet Switch, provides non-blocking wire-speed performance in harsh industrial environment.

It also provides 8-port 10/100/1000BASE-TX RJ45 copper interfaces 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

- ❖ 8-port 10/100/1000Base-Tx RJ-45 with auto negotiation and auto-MDI/ MDI-X function
- ❖ 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

Specification

| | |
|-------------------------|-------------------------------|
| Model No. | GZMI-1000-8R |
| 10/100/1000BASE-TX Port | 8 port RJ-45 auto-MDI / MDI-X |

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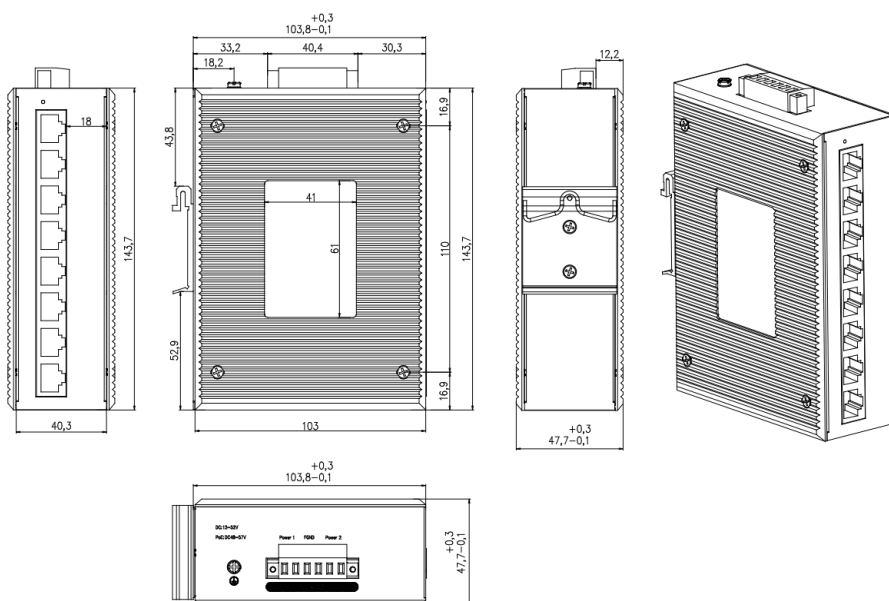
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|---------------------------|--|
| Performance Specification | Bandwidth: 20Gbps Packet Buffer Memory: 2Mbit Packet Forwarding Rate: 15Mpps MAC Address Table: 8K |
| Installation | DIN rail |
| Maximum Frame Size | 9000bytes packet size |
| Flow Control | Back pressure for half duplex, IEEE 802.3x pause frame for full duplex |
| Enclosure | IP40 aluminum housing |
| LED Indicator | Power: Red Ethernet: Yellow POE: Green |
| 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; 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 |

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|------------------------|---|
| | <p>IEC61000-4-5 (Surge): Power Port: $\pm 2\text{kV/DM}$, $\pm 4\text{kV/CM}$; Data Port: $\pm 2\text{kV}$</p> <p>IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)</p> <p>IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)</p> |
| Certification | CE FCC Rohs compliance |
| MTBF | >300,000hours |
| Dimensions (W x D x H) | 143.7 x 103 x 47.7 mm |
| Weight | <p>Product Weight: 0.52KG</p> <p>Packing Weight: 0.62KG</p> |
| Working Environment | <p>Working temperature: $-40\sim 85^{\circ}\text{C}$;</p> <p>Storage temperature: $-40\sim 85^{\circ}\text{C}$</p> <p>Relative Humidity: 5%~95 % (no condensation)</p> |
| Warranty | 1-year replacement with new item; 3-years for main parts. |

Dimensions



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Ordering Information

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|----------------------------|---------------------------------------|--|
| GZMI-1000-8R | 8-Port RJ45 Gigabit Industrial Switch | |
| 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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