



Model

IG 1005

5-Port Gigabit Industrial Switch



[Datasheet](#)

Description

IG1005 is a hardened 5-port Industrial Ethernet Switch, providing non-blocking wire-speed performance in a harsh industrial environment. It also provides 5-port 10/100/1000BASE-TX RJ45 copper interfaces delivered in an IP40 rugged, strong case with a 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 a wide temperature range from -40 to 80 degrees.

The IG1005 series provides the flexibility to all kinds of 10/100Mbps Ethernet Media on RJ-45 ports and performs highly stable fiber performance.

The IG1005 series 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

- 5-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 80°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



Specifications

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|---------------------------|---|
| Model No. | IG1005 |
| 10/100BASE-TX Port | 5 port RJ-45 auto-MDI / MDI-X |
| 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 Ethernet: Yellow |
| Power Input | 12 to 52V DC redundant power |
| Power Consumption | 3 watts max |
| 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; |

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|------------------------|--|
| Network cables | 10BASE-T: Cat3,4,5 UTP(≤100 meter) |
| | 100BASE-TX: Cat5 or later UTP(≤100meter) |
| | 1000BASE-TX: Cat6 or later UTP(≤100 meter) |
| 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: -40-80 degree |
| | Storage temperature: -40-80 degree |
| | Relative Humidity: 5%~95 %(no condensation) |

Dimensions

