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# **ISG1000 Series**

Gigabit Unmanaged Industry Switch

## Products Description

ISG1000 series are 1000M unmanaged industrial Ethernet switches. Support 8 1000M electrical ports, support 1-2 Gigabit optical ports (SFP). support the Industrial Ethernet protocol can ensure the stability of the communication network; Adopts low power consumption, No fan design. Operating temperature of -40°C to 75°C, with super robustness, can adapt to various harsh environments,conveniently placed in a compact control box. The installation characteristics of the guide rail, wide temperature operation, IP40 protection and LED indicator, make it a plug-and-play industrial-grade equipment, providing a reliable and convenient solution for users' Ethernet equipment networking.

## Products Appearance

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| **ISG1010**8\*10/100/1000 Base-T ports 2\* 1000 Base-X SFP ports.IP40,-40°C～75°C. |  |
| **ISG1010P**8\*10/100/1000 Base-T ports (POE/POE+)2\* 1000 Base-X SFP ports.IP40,-40°C～75°C. |  |

## Main Features

* Using high-quality photoelectric integrated modules to provide good optical and electrical characteristics
* Ensure reliable data transmission and long working life
* Support full-duplex or half-duplex mode with auto-negotiation capability
* The network port supports automatic cross-recognition
* Built-in store and forward mechanism, support multiple protocols
* In line with industrial-grade operation standards, the average trouble-free work is more than 300,000 hours
* Working power supply: DC 12-52V, 48-57V to provide reverse connection protection
* Using SFP fiber interface
* Lightning surge protection (power supply): 5000A (8/20μs)

## Product Specifications

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| **Product Information** |
| Product Model | **ISG1010** | **ISG1010P** |
| **Hardware specifications** |
| Ports | 8\*10/100/1000 Base-T ports 2\* 1000 Base-X SFP ports. | 8\*10/100/1000 Base-T ports (POE/POE+)2\* 1000 Base-X SFP ports. |
| Operating temperature | -40~75°C |
| Storage temperature | -40~85°C |
| Relative humidity | 5%～95% No condensation |
| Power characteristics | Output :DC 48-57V(POE) or DC 12-52V(Non-POE)Support dual power supply redundancySupport built-in overcurrent 4.0A protectionSupport reverse connection protection |
| Packet buffer | 2M |
| MAC Address | 16K |
| Whole machine power consumption | <10W |
| Network protocol | IEEE802.3 10BASE-T.IEEE802.3i 10Base-T.IEEE802.3u.100Base-TX/FX.IEEE802.3ab 1000Base-T.IEEE802.3z 1000Base-X.IEEE802.3x. |
| Industry Standard | EMI :FCC Part 15 Subpart B Class A，EN 55022 Class AEMS :IEC(EN)61000-4-2(ESD):±8kV contact discharge,±15kV air dischargeIEC(EN)61000-4-3(RS):10V/m(80～1000MHz)IEC(EN)61000-4-4(EFT):power cable:±4kV;data cable : ±2kVIEC(EN)61000-4-5(Surge):power cable:±4kV CM/±2kV DM ; data cable:±2kVIEC(EN)61000-4-6(Radio frequency conduction):3V(10kHz～150kHz),10V(150kHz～80MHz)IEC(EN)61000-4-16(Common mode conduction):30V cont. 300V,1sIEC(EN )61000-4-8Shock:IEC 60068-2-27Freefall:IEC 60068-2-32Vibration:IEC 60068-2-6 |
| Mechanical properties | Housing: metal Installation: DIN rail type, wall-mounted installationCooling method: natural cooling, no fan |
| POE features | NO | Standard PoE:IEEE802.3af/ IEEE802.3at Output Power:Maximum power 15.4W (IEEE 802.3af),Maximum power 30W (IEEE 802.3at) POEAutomatic port recognition af/at |
| Size | 143(L)\*103(W)\*44(H)mm |
| Protection level | IP40 |
| Mean time between failures | 300,000 hours |
| **Software specifications** |
| Forwarding mode | Store-and-forward |

## Order Information

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| **Product Information** | **Detailed information** |
| ISG1010 | 8\*10/100/1000 Base-T ports, 2\* 1000 Base-X SFP ports. |
| ISG1010P | 8\*10/100/1000 Base-T ports(POE/POE+), 2\* 1000 Base-X SFP ports. |

## Product Application



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