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# **ISF1000 Series**

100M Unmanaged Rail Type Industrial Switch

## Products Description

ISF1000 series are 100M unmanaged industrial Ethernet switches. Support 4/6/8 100M electrical ports, support 1-2 Gigabit optical ports (SC). 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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| **ISF1005**4\*10/100 Base-TX ports(POE/POE+),1\*100Base-FX SC Port,IP40,-40°C～75°C. |  |
| **ISF1008**6\*10/100 Base-TX ports(POE/POE+),2\*100Base-FX SC Port,IP40,-40°C～75°C. |  |
| **ISF1009**8\*10/100 Base-TX ports(POE/POE+),1\*100Base-FX SC Port,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
* Using SFP fiber interface
* Lightning surge protection (power supply): 5000A (8/20μs)

## Product Specifications

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| **Product Information** |
| Product Model | **ISF1005** | **ISF1008** | **ISF1009** |
| **Hardware specifications** |
| Ports | 4\*10/100 Base-TX ports1\*100Base-FX SC Port | 6\*10/100 Base-TX ports2\*100Base-FX SC Port | 8\*10/100 Base-TX ports1\*100Base-FX SC Port |
| Operating temperature | -40~75°C |
| Storage temperature | -40~85°C |
| Relative humidity | 5%～95% No condensation |
| Power characteristics | Output :DC 12-52VSupport dual power supply redundancySupport built-in overcurrent 4.0A protectionSupport reverse connection protection |
| Packet buffer | 1M | 1M | 1M |
| MAC Address | 2K | 2K | 4K |
| Whole machine power consumption | <5W | <5W | <10W |
| Network protocol | IEEE802.3 10BASE-T ; IEEE802.3i 10Base-T;IEEE802.3u ;100Base-TX/FX;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 |
| Size | 118(L)\*86(W)\*33(H)mm | 143(L)\*103(W)\*44(H)mm |
| Protection level | IP40 |
| Mean time between failures | 300,000 hours |
| **Software specifications** |
| Standard | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab |
| Forwarding mode | Store-and-forward |

## Order Information

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| **Product Information** | **Detailed information** |
| ISF1005 | 4\*10/100 Base-TX ports, 1\*100Base-FX SC Port |
| ISF1008  | 6\*10/100 Base-TX ports, 2\*100Base-FX SC Port |
| ISF1009  | 8\*10/100 Base-TX ports, 1\*100Base-FX SC Port |

## Product Application



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