RP-ISG3208I-2F

8-P Gigabit + 2-SFP(1G/2.5G) slot L2 Managed Industrial Switch

The RP-ISG3208I-2F is a high-performance managed industrial Ethernet switch featuring 8 Gigabit ports and 2 SFP slots supporting 1G/2.5G speeds. With its ERPS redundant network and a fast self-recovery mechanism of less than 20ms, it ensures reliable networking through redundant ring topologies, ideal for critical applications. It also supports advanced management protocols like Web, SNMP, and Telnet, alongside features such as QoS, VLAN, IGMP, 802.1X, and more.

Built for demanding industrial environments, the RP-ISG3208I-2F offers robust functionality, including a wide power input range of 12-58VDC and redundant power with polarity reverse protection. Its IP40-rated fan-less design, combined with DIN-rail installation, ensures durability and easy deployment. The switch operates efficiently across extreme temperatures ranging from -40°C to 75°C, making it highly versatile for various industries.

This industrial-grade switch is designed to perform in harsh conditions such as heavy industry, transportation, oil & gas, and automation. It delivers a cost-effective, reliable networking solution with advanced EMI/EMC protection, making it the perfect choice for environments where network uptime and security are crucial, like IP surveillance and processing automation.

Features

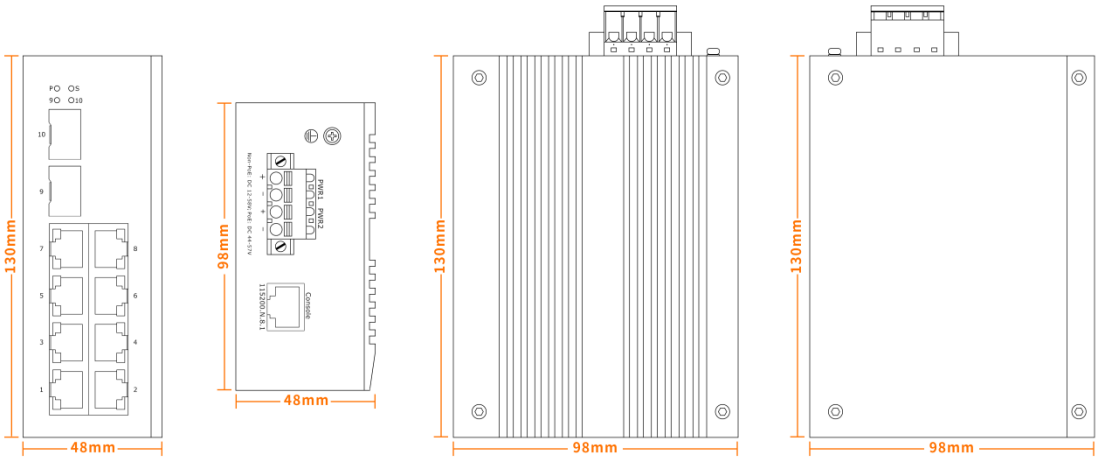
- 8*10/100/1000Base-T RJ45 ports, 2*1G/2.5GBase-X SFP ports
- DC 12~58V input, redundant power supply with polarity reverse/over-voltage protection
- Comprehensive Management: Supports Web/SNMP/Telnet management, including QoS, VLAN, IGMP, 802.1X, and LLDP.
- Support G.8032 ERPS protocol, recovery time ≤20ms
- Support 4KV surge protection and ESD: Air-15kV, Contact-8kV Protection
- Durable designed with a rugged IP40-rated enclosure and Din-rail mounting
- Wide operation temperature: -40°C ~+75°C

Specifications

Standards	• IEEE 802.3 10Base-T Ethernet • IEEE 802.3u 100Base-TX Ethernet • IEEE 802.3ab 1000Base-T Ethernet • IEEE 802.3z 1000Base-X Ethernet • IEEE 802.3x Flow Control and Back Pressure • IEEE 802.1D Spanning Tree Protocol • IEEE 802.1w Rapid Spanning Tree Protocol • IEEE 802.1Q VLAN Tagging • ITU-T G.8032 ERPS • IEEE 802.1X Port Authentication Network Control • IEEE 802.1ab LLDP • IEEE 802.3ad LACP
Interface	• 8 x 10/100/1000Base-T RJ45 • 2 x 1000/2500Base-X SFP slot
Management port	• RJ45 Console port
Switching capacity	• 26Gbps
Packet forwarding rate	• 38.6Mpps
MAC address table	• 16K
VLAN	• 4K
Buffer	• 2M bit
Forwarding delay	• <5us
Jumbo Frame	• Support 10Kbytes
MDX/MIDX	• Support
Watchdog	• Support
Layer 2 function	
Port aggregation	• Support static aggregation • Support dynamic aggregation
Port features	• Support IEEE802.3x flow control, • Support port traffic statistics, • Support port isolation • Support network storm suppression based on port bandwidth percentage
VLAN	• Support access mode • Support trunk mode • Support hybrid mode
Port mirroring	• Support Many to one port mirroring
Ring network protocol	• Support STP, RSTP • Support G.8032 ERPS protocol, single ring, sub Ring and associated sub ring • Recovery time ≤20ms
Multicast	• IGMP V1,V2,V3 • IGMP snooping
QoS	• Ingress Port-based Rate-limit • Egress Port-based Rate-limit
Security	• Support 802.1x, port authentication, MAC authentication, RADIUS service • Support port isolation

Management & maintenance	• Support LLDP • Support user management and login authentication • Support SNMPV1/V2C/V3 • Support web management, HTTP1.1, HTTPS • Support Syslog and alarm grading • Support RMON(Remote Monitoring) alarm • Support NTP • Support Ping, Traceroute • Support optical transceiver DDM function • Support TFTP Client • Support Telnet Server • Support SSH Server • Support IPv6 Management • Support TFTP, web upgrading
• **Power parameter**	
Input voltage	• 12-58VDC, redundant power input
Input current	• 1A Max
Power Consumption	• 10W
Connector	• Removable 4-pin terminal block
Reverse polarity protection	• Support
Over-voltage protection	• Support
Mechanical structure	
LED Indicators	• P (Power indicator) • S (System status indicator) • 1-8 (Copper ports) Green / (1000M) Yellow on ; (10/100M) Yellow off • 9-10 (Fiber ports) Green
Case protection	• IP40
Installation method	• Din-rail
Dimension	• 48 x 130 x 98mm (WxHxD)
Environment	• Operating temperature: -40°C~+75c • Storage temperature -40°C~+85°C • Operating Humidity: 10 to 95% (Non-Condensing) • Storage humidity: 5%-95%RH
EMS	• Surge protection of power: IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us) • Surge protection of Ethernet ports: IEC 61000-4-5 Level 3 (4KV/2KV) (10/700us) • DIP: IEC 61000-4-11 Level 3 (10V) • ESD: IEC 61000-4-2 Level 4 (8K/15K) • Shock：IEC 60068-2-27 • Free fall：IEC 60068-2-32 • Vibration：IEC 60068-2-6
Certification	• CE/FCC

Dimension



Ordering information

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