

RP-IPG3208I-2F

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

The RP-IPG3208I-2F is a reliable managed industrial PoE switch featuring 8 10/100/1000-T PoE ports and 2 1000/2500Base-X fiber optical interfaces. It complies with IEEE802.3af/at standards, offering up to 30W per port (PoE+) for efficient power delivery.

With ERPS support and a self-recovery mechanism under 20ms at full load, it provides robust Ethernet networking. Managed features include QoS, VLAN, IGMP, 802.1X, LLDP, fiber transceiver DDM, PoE management, and IPv6 management via Web/SNMP/Telnet.

The switch has a wide power input (44-57VDC), redundant power with polarity protection, IP40 fanless housing, and DIN-rail installation. Its -40°C to 75°C operating range and high EMI/EMC capability make it perfect for harsh industrial environments.

Features

- DC 44~57V input, redundant power supply with polarity reverse/over-voltage protection
- Complies with IEEE802.3af PoE and IEEE802.3at PoE+ standard
- Comprehensive Management: Supports Web/SNMP/Telnet management, including QoS, VLAN, IGMP, 802.1X, LLDP, and PoE management.
- Support G.8032 ERPS protocol, recovery time ≤ 20 ms
- 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

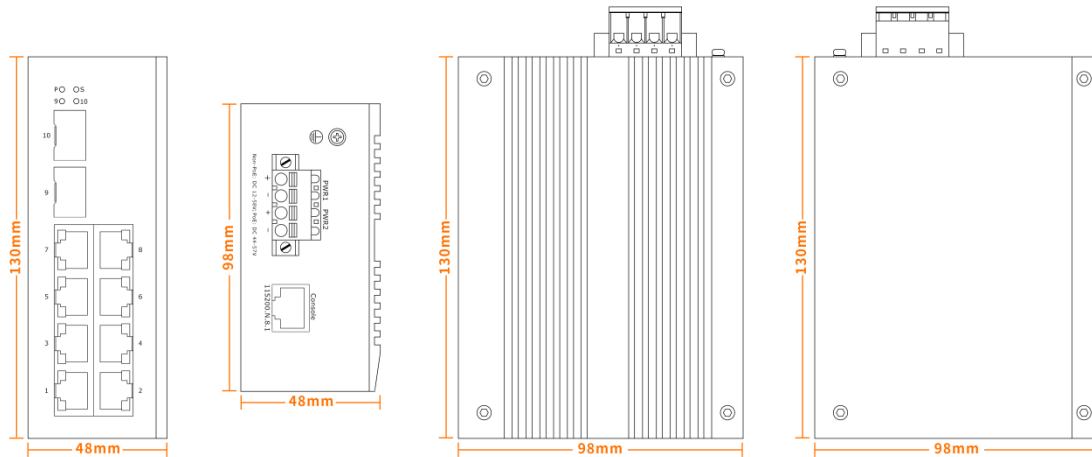


Specifications

Standards	<ul style="list-style-type: none"> • 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 • IEEE802.3af PoE • IEEE802.3at PoE+
Interface	<ul style="list-style-type: none"> • 8 x 10/100/1000Base-T RJ45 PoE • 2 x 1000/2500Base-X SFP
Management port	<ul style="list-style-type: none"> • RJ45 Console port
Switching capacity	<ul style="list-style-type: none"> • 26Gbps
Packet forwarding rate	<ul style="list-style-type: none"> • 38.6Mpps
MAC address table	<ul style="list-style-type: none"> • 16K
VLAN	<ul style="list-style-type: none"> • 4K
Buffer	<ul style="list-style-type: none"> • 2M bit
Forwarding delay	<ul style="list-style-type: none"> • <5us
Jumbo Frame	<ul style="list-style-type: none"> • Support 10Kbytes
MDX/MIDX	<ul style="list-style-type: none"> • Support
Watchdog	<ul style="list-style-type: none"> • Support
Layer 2 function	
Port aggregation	<ul style="list-style-type: none"> • Support static aggregation • Support dynamic aggregation
Port features	<ul style="list-style-type: none"> • Support IEEE802.3x flow control, • Support port traffic statistics, • Support port isolation • Support network storm suppression based on port bandwidth percentage
VLAN	<ul style="list-style-type: none"> • Support access mode • Support trunk mode • Support hybrid mode
Port mirroring	<ul style="list-style-type: none"> • Support Many to one port mirroring
Ring network protocol	<ul style="list-style-type: none"> • Support STP, RSTP • Support G.8032 ERPS protocol, single ring, sub Ring and associated sub ring • Recovery time ≤20ms
Multicast	<ul style="list-style-type: none"> • IGMP V1,V2,V3 • IGMP snooping
QoS	<ul style="list-style-type: none"> • Ingress Port-based Rate-limit • Egress Port-based Rate-limit
Security	<ul style="list-style-type: none"> • Support 802.1x, port authentication, MAC authentication,

	<ul style="list-style-type: none"> RADIUS service Support port isolation
Management & maintenance	<ul style="list-style-type: none"> 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 PoE management Support TFTP, web upgrading
Power parameter	
Input voltage	<ul style="list-style-type: none"> 44-57VDC, redundant power input
Input current	<ul style="list-style-type: none"> 5.7A Max
PoE power	<ul style="list-style-type: none"> Full loading without PoE ≤ 10W PoE power budget ≤ 240W
Connector	<ul style="list-style-type: none"> Removable 4-pin terminal block
Reverse polarity protection	<ul style="list-style-type: none"> Support
Over-voltage protection	<ul style="list-style-type: none"> Support
Mechanical structure	
LED Indicators	<ul style="list-style-type: none"> P (Power indicator) S (System status indicator) 1-8 (Copper ports indicators) Green / (PoE status indicators) Yellow 9-10 (Fiber ports indicators) Green
Case protection	<ul style="list-style-type: none"> IP40
Installation method	<ul style="list-style-type: none"> Din-rail
Dimension	<ul style="list-style-type: none"> 48 x 98 x 130mm (WxHxD)
Environment	<ul style="list-style-type: none"> Operating temperature: -40°C~+75°C Storage temperature -40°C~+85°C Operating Humidity: 10 to 90% (Non-Condensing) Storage humidity: 5%-95%RH
EMS	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> CE/FCC

Dimension



Ordering information

RP-IPG3208I-2F 8-P Gigabit PoE + 2-SFP(1G/2.5G) slot L2 Managed Industrial PoE Switch (240W)