RP-IPG6208I-2F

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

The RP-IPG6208I-2F is a reliable industrial PoE switch with 8-port 10/100/1000-T PoE and 2-port 1G/2.5G Base-X SFP. It delivers 30watts power per PoE port and generates a total of 240Watts power to PD devices, With full gigabit capability, it delivers high-performance data transfer across industrial networks.



RP-IPG6208I-2F supports ERPS redundant network and the self-recovery mechanism is less than 20ms on full load which allows you to scheme a reliable Ethernet network by building a redundant ring topology as your back-up solution. RP-IPG6208I-2F supports robust layer 2 management function, which can fulfill the special needs of industrial automation applications.

With IP40-rated rugged case protection allows for either DIN rail or wall mounting for efficient use of cabinet space. Its wide operating temperature ranges from -40°C to 75°C, RP-IPG6208I-2F is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions are harsh and critical.

Features

- Redundant power DC 44-57V input with polarity reverse/over-voltage/over-current protection
- Complies with IEEE802.3af PoE and IEEE802.3at PoE+ standard
- Support Layer 2 management function: VLAN/VLAN Classification/QinQ/STP, RSTP, MSTP/Port Mirroring/DHCP/Multicast/ACL/IGMP/QoS/LLDP/802.1X/Dying Gasp/SFP DDM/PoE management/IPV6 management/Web/SNMP/Telnet/TFTP/Web upgrading
- Support G.8032 ERPS protocol, recovery time ≤20ms
- Support 6KV surge protection and ESD: Air-15kV, Contact-8kV Protection
- IP40 fan-less and Din-rail hardware design
- Operation temperature: -40°C ~+75°C

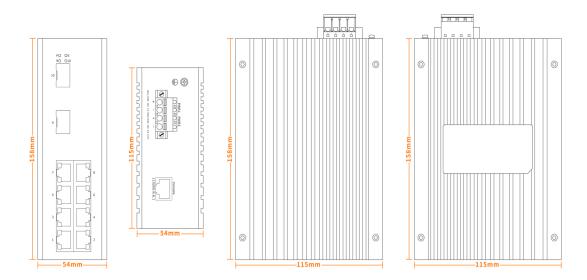
Specifications

Standarda	IEEE 802.3 10Base-T Ethernet
Standards	
	IEEE 802.3u 100Base-TX Ethernet IEEE 803.3ab 1000Base T Ethernet
	IEEE 802.3ab 1000Base-T Ethernet IEEE 802.3ab 1000Base-T Ethernet IEEE 802.3ab 1000Base-T Ethernet
	IEEE 802.3z 1000Base-X Ethernet IEEE 802.3z 1000Base-X Ether
	IEEE802.3x Flow Control and Back Pressure
	IEEE 802.1D Spanning Tree Protocol
	IEEE 802.1w Rapid Spanning Tree Protocol
	• IEEE 802.1Q VLAN
	• ITU-T G.8032 ERPS
	 IEEE 802.1X Port Authentication Network Control
	IEEE 802.1ab LLDP
	IEEE 802.3ad LACP
	IEEE 802.3af Power-Over-Ethernet
	IEEE 802.3at Power Over Ethernet plus PSE
Interface	• 8 x 10/100/1000Base-T RJ45 PoE
	• 2 x 1000/2500Base-X SFP
Management port	RJ45 Console port
Switching capacity	• 26Gbps
Packet forwarding rate	• 38.6Mpps
MAC address table	• 16K
VLAN	• 4K
Buffer	• 12M bit
Forwarding delay	• <5us
Jumbo Frame	Support 10Kbytes
MDX/MIDX	Support Toxbytes Support
Watchdog	• Support • Support
Layer 2 function	■ Support
Layer 2 fullction	- Support CE port aggregation
	Support 3 FCE aggregation
Port aggregation	Support 2.5GE aggregation Support static aggregation
	Support static aggregation Support dynamic aggregation
	Support dynamic aggregation
	Support IEEE802.3x flow control,
Dord foods	Support port traffic statistics,
Port features	Support port isolation
	Support network storm suppression based on port
	bandwidth percentage
	Support access mode
VLAN	Support trunk mode
	Support hybrid mode
	Mac Based VLAN
VLAN Classification	IP Based VLAN
	Protocol Based VLAN
	Port-based QinQ
QinQ	VLAN-based QinQ
	Flow-based QinQ
Port mirroring	Many to one port mirroring
Ring network protocol	Support STP \ RSTP \ MSTP

associated sub ring Recovery time ≤20ms Support DHCP Client Support DHCP Snooping IGMP V1,V2,V3 IGMP snooping IP Standard ACL MAC extend ACL IP extend ACL Support Dot Sp. WRR queue scheduling Ingress Port-based Rate-limit Egress Port-based Rate-limit Support Policy-based QoS Support Dot 1x · port authentication · MAC authentication RADIUS service Support Policy-based QoS Support Posurce Guard · IP/Port/MAC binding Support Posurce Guard · IP/Port/MAC binding Support ARP-check and ARP packet filtering for illegal users Support port isolation Support Sylog and alarm grading Support Sylog and alarm grading Support RMON(Remote Monitoring) alarm Support NTP Support RMON(Remote Monitoring) alarm Support Ping , TRACERT Support Polical transceiver DDM function Support TFTP Client Support TFTP Client Support Polical transceiver DDM function Support TFTP Client Support TFTP Client Support TFTP, web upgrading Power parameter Input voltage Input current PoE power Full loading without PoE≤10W PoE power budget ≤ 240W Removable 4-pin terminal block Support		Support G.8032 ERPS protocol , single ring, sub Ring and
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Connector• Removable 4-pin terminal blockReverse polarity protection• SupportOver-voltage protection• Support	PoE power	9
Reverse polarity protection Over-voltage protection • Support • Support	Connector	Removable 4-pin terminal block
Over-voltage protection • Support	Reverse polarity protection	•
		··
over-current protection • Support	Over-current protection	Support
Mechanical structure		
LED Indicators ● P (Power indicator)	LED Indicators	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	• IP40
Installation method	Din-rail
Dimension	• 54x158x115mm (WxHxD)
Environment	 Operating temperature: -40°C~+75°C
	 Storage temperature -40°C~+85°C
	 Operating Humidity: 10 to 90% (Non-Condensing)
EMS	 Surge protection of power: IEC 61000-4-5 DC:6KV/4KV
	(8/20us)
	 Surge protection of Ethernet ports: IEC 61000-4-5
	6KV/2KV (10/700us)
	 RS: IEC 61000-4-3 80 MHz-1 GHz:10 V/m
	 EFT: IEC 61000-4-4 power 4K, signal 2K
	• CS: IEC 61000-4-6 10V
	 ESD: IEC 61000-4-2 Contact: 8K; Air: 15K
EMI	FCC Part 15B Class A
Shock	• IEC 60068-2-27
Free fall	• IEC 60068-2-32
Vibration	• IEC 60068-2-6
Certification	CCC/CE/FCC/RoHS

Dimension



Ordering information

RP-IPG6208I-2F 8-P Gigabit PoE + 2-SFP(1G/2.5G) slot L2 Managed Industrial PoE Switch (240W)