



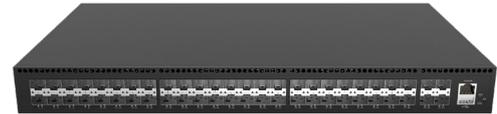
RP-GS8348IX

48-P SFP(100/1G) + 4-SFP(1G/2.5G/10G) L2+ Managed Full Fiber Switch

RP-GS8348IX is a Layer 2+ managed Gigabit switch which supports 48-P SFP (100/1G) combo + 4-SFP (1G/2.5G/10G), providing high-density performance and Layer 3 static routing with a 352 Gbps switching capacity.

RP-GS8348IX offers comprehensive end-to-end QoS, as well as flexible and rich management and security settings through SNMP, HTTP, and Telnet interfaces. It supports many L2 switch management functions, such as 802.1Q VLAN, 802.1x Security, Rate Control, Port Configuration, Port Mirroring, Port Statistics, and QoS functions. These features meet the high-speed, secure, and smart requirements of enterprise networks at a cost-effective price.

RP-GS8348IX comes with four 10GbE connectivity options. With a 10GbE uplink, the switch can handle extremely large amounts of data in a secure topology, connecting to an enterprise backbone or high-capacity servers. The powerful network security features also enable RP-GS8348IX to perform effective data traffic control for ISP and enterprise VoIP, video streaming, and multicast applications.



Features

- Supports IPv4/IPv6 static routing, DHCP server
- Supports GE, 2.5GE, and 10GE port aggregation, static and dynamic aggregation
- Supports access, trunk, hybrid mode, and VLAN classification
- Supports port-based, VLAN-based, and flow-based QinQ
- Supports many-to-one port mirroring
- Supports STP, RSTP, MSTP, G.8032 ERPS protocol
- IGMP snooping supports
- Supports class, remarking, SP and WRR queue scheduling, ingress/egress port-based rate-limiting, and policy-based QoS
- Supports Dot1x, port authentication, MAC authentication, RADIUS service, port security, IP source guard, IP/Port/MAC binding, ARP check, and ARP packet filtering for illegal users and port isolation
- Supports LLDP, user management, login authentication, SNMPV1/V2C/V3, web

management, Syslog, RMON alarm, event, and history records, NTP, temperature monitoring, Ping, Tracert, optical transceiver DDM function, TFTP Client, Telnet Server, and SSH Server

- Firmware update, configuration backup/restore through Web GUI, FTP, and TFTP

Specifications

Standards	<ul style="list-style-type: none"> • IEEE 802.3/3u 10Base-T, 100Base-TX Ethernet • IEEE 802.3ab 1000Base-T Ethernet • IEEE 802.3z 1000Base-X Ethernet • IEEE 802.3x Flow Control capability • IEEE802.3az Energy Efficient Ethernet
Interface	<ul style="list-style-type: none"> • 4 x 1G/2.5G/10G SFP+ slots uplink • 48 x 100/1000M SFP ports • 1 x RJ45 console port • 1 x USB2.0 port for switch basic management and setup
Switching Capacity	<ul style="list-style-type: none"> • 352Gbps
Forwarding Capacity	<ul style="list-style-type: none"> • 520Mpps
Jumbo frames	<ul style="list-style-type: none"> • 12M bit
MAC Table	<ul style="list-style-type: none"> • 16K MAC addresses
Buffer	<ul style="list-style-type: none"> • 12M bit
Layer 2 function	
Port aggregation	<ul style="list-style-type: none"> • Support GE port, 2.5GE and 10G E port aggregation • Support static and dynamic aggregation
Port features	<ul style="list-style-type: none"> • Support IEEE802.3x flow control, Port traffic statistics, port isolation • Support network storm suppression based on port bandwidth percentage
VLAN	<ul style="list-style-type: none"> • Support access, trunk and hybrid mode
VLAN Classification	<ul style="list-style-type: none"> • Mac Based VLAN • IP Based VLAN • Protocol Based VLAN
QinQ	<ul style="list-style-type: none"> • Basic QinQ (Port-based QinQ) • Flexible Q in Q (VLAN-based QinQ) • QinQ (Flow-based QinQ)
Port mirroring	<ul style="list-style-type: none"> • Many to one (Port Mirroring)
Layer 2 ring network protocol	<ul style="list-style-type: none"> • Support STP、RSTP、MSTP • Support G.8032 ERPS protocol, single ring, sub ring and other ring
DHCP	<ul style="list-style-type: none"> • DHCP Client • DHCP Snooping

Multicast	<ul style="list-style-type: none"> ● IGMP snooping
ACL	<ul style="list-style-type: none"> ● IP Standard ACL ● MAC extend ACL ● IP extend ACL
QoS	<ul style="list-style-type: none"> ● QoS Class, Remarking ● Support SP, WRR queue scheduling ● Ingress Port-based Rate-limit ● Egress Port-based Rate-limit ● Policy-based QoS
Security	<ul style="list-style-type: none"> ● Support Dot1x, port authentication, mac authentication, RADIUS service ● Support port-security ● Support ip source guard, IP/Port/MAC binding ● Support arp-check and ARP packet filtering for illegal users ● Support port isolation
Management and 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 ● Support RMON (Remote Monitoring) alarm, event and history record ● Support NTP ● Support temperature monitoring ● Support Ping, Tracert ● Support optical transceiver DDM function ● Support TFTP Client ● Support Telnet Server ● Support SSH Server ● Support IPv6 Management ● Support FTP, TFTP, WEB upgrading
Layer 3 features	
DHCP server	<ul style="list-style-type: none"> ● DHCP server
ARP	<ul style="list-style-type: none"> ● ARP table aging
IPv4/IPv6	<ul style="list-style-type: none"> ● Static routing
Mechanical structure	
Fan	<ul style="list-style-type: none"> ● Support fan speed control
Power surge protection	<ul style="list-style-type: none"> ● 6KV, IEC 61000-4-5 Level X (8/20us)
Ethernet ports surge protection	<ul style="list-style-type: none"> ● 4KV, IEC 61000-4-5 Level 4 (10/700us)
Power Consumption	<ul style="list-style-type: none"> ● ≤60W
Power Supply	<ul style="list-style-type: none"> ● Internal Power supply 100~240VAC, 50/60 Hz

Environment	<ul style="list-style-type: none">• Operating temperature: 0°C to 50°C• Operating Humidity: 10 to 90% (Non-Condensing)
Dimension	<ul style="list-style-type: none">• 440 x 300 x 44mm (WxDxH)
Certification	<ul style="list-style-type: none">• CE, FCC

Ordering information

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