RP-GS8320I-8GC

16-P SFP(100/1G) + 8-SFP/TP combo + 4-SFP(1G/2.5G) L2+ Managed Switch

RP-GS8320I-8GC is a Layer 2+ full gigabit managed switch which supports 16-P SFP (100/1G) + 8-SFP/TP combo + 4-SFP (1G/2.5G), providing high-density performance and Layer 3 static routing with a 68Gbps switching capacity.

RP-GS8320I-8GC 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 can meet the high-speed, secure, and smart requirements of enterprise networks at a cost-effective price.

The powerful network security features also enable RP-GS8320I-8GC to perform effective data traffic control for ISP and enterprise VoIP, video streaming, and multicast applications.
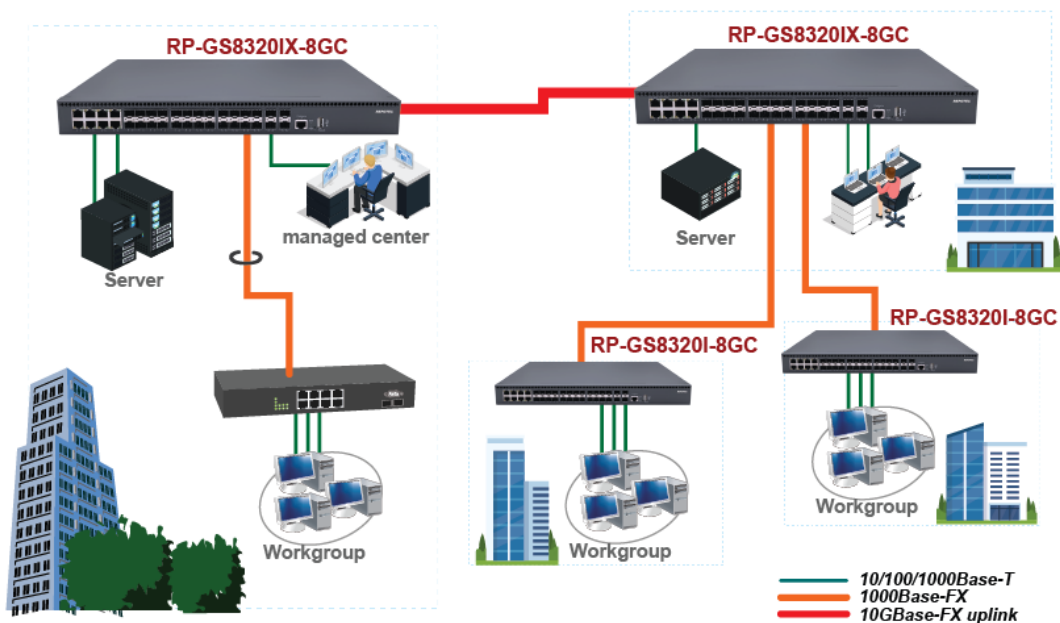
Features

- Supports IPv4/IPv6 static routing, DHCP server
- Supports GE ports, 2.5GE port aggregation, static and dynamic aggregation
- Supports access, truck , hybrid mode and VLAN classification, including the Mac based VLAN, IP based VLAN and protocol based VLAN
- Supports port-based, VLAN-based and flow-based QinQ
- Supports STP, RSTP, MSTP, G.8032 ERPS protocol, single ring, sub ring
- Multicast: Supports IGMP snooping
- QoS class, remarking, Supports SP, WRR queue scheduling, Ingress/Engress port-based rate-limit and policy-based QoS
- Support Dot1x,port authentication, mac authentication, RADIUS service; Support 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 and login authentication; SNMPV1/V2C/V3; web management,HTTP1.1,HTTPS; Syslog and alarm grading ; RMON
- Firmware update, configure backup/restore through Web GUI, FTP and TFTP

Specifications

Standards	- 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	4 x 1G/2.5G SFP ports 16 x 100/1000M SFP ports 8 x 1G SFP/RJ45 COMBO ports 1 x RJ45 console port 1 x USB port for switch basic management and setup
Forwarding Capacity	101.1Mpps
Switching Capacity	68Gbps
Jumbo frames	12M bit
MAC Table	16K MAC addresses
Layer 2 function	
Port aggregation	- Support GE port, 2.5GE aggregation - Support static and dynamic aggregation
Port features	- Support IEEE802.3x flow control, Port traffic statistics, port isolation - Support network storm suppression based on port bandwidth percentage
VLAN	Support access, trunk and hybrid mode
VLAN Classification	- Mac Based VLAN - IP Based VLAN - Protocol Based VLAN
QinQ	- Basic QinQ (Port-based QinQ) - Flexible Q in Q(VLAN-based QinQ) - QinQ(Flow-based QinQ)
Port mirroring	Many to one (Port Mirroring)
IGMP Querier	IGMP querier is used to support a Layer 2 multicast domain of snooping switches in the absence of a multicast router
Layer 2 ring network protocol	- Support STP、RSTP、MSTP - Support G.8032 ERPS protocol, single ring, sub ring and other ring
DHCP	- DHCP Client - DHCP Snooping
Multicast	IGMP snooping
ACL	- IP Standard ACL - MAC extend ACL

	• IP extend ACL
QoS	• QoS Class, Remarking • Support SP, WRR queue scheduling • Ingress Port-based Rate-limit • Egress Port-based Rate-limit • Policy-based QoS
Security	• 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	• 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, 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	• DHCP server
ARP	• ARP table aging
IPv4/IPv6	• Static routing
Mechanical structure	
Fan	• Support fan speed control
Power surge protection	• 6KV, IEC 61000-4-5 Level X (8/20us)
Ethernet ports surge protection	• 4KV, IEC 61000-4-5 Level 4 (10/700us)
Power Consumption	• 40W
Power Supply	• Internal Power supply 100~240VAC, 50/60 Hz
Environment	• Operating temperature: 0°C to 50°C • Operating Humidity: 10 to 90% (Non-Condensing)
Dimension	• 440*245*44mm (WxDxH)

Certification	● CE, FCC

Application

Ordering information

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