

RP-G3252IX

44-P Gigabit + 4 TP / SFP(100/1G) Slot + 4-SFP(1G/10G) L2+ Managed Switch

The RP-G3252IX, the next generation L2+ managed switches, is a portfolio of affordable managed switch that provides a reliable infrastructure for your business network. This switch deliver more intelligent features you need to improve the availability of your critical business applications, protect your sensitive information, and optimize your network bandwidth to deliver information and applications more effectively. It provides the ideal combination of affordability and capabilities for entry level networking includes small business or enterprise application and helps you create a more efficient, better-connected workforce.



Feature

- L2+ features provide better manageability, security, QoS, and performance.
- Dual speed SFPs for FE or GbE fiber uplink
- Support guest VLAN, voice VLAN, Port based, tag-based and Protocol based VLANs
- Support 802.3az Energy Efficient Ethernet standard
- Support 8K MAC table
- Support IPv6/ IPv4 Dual stack
- Support s-Flow
- Support Static Route function
- Support Easy-Configuration-Port for easy implement the IP Phone, IP Camera or Wireless environment

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Specification

Standards	<ul style="list-style-type: none"> • IEEE 802.3 10Base-T Ethernet (twisted-pair copper) • IEEE 802.3u 100Base-TX Ethernet (twisted-pair copper) • IEEE 802.3ab 1000Base-T Ethernet (twisted-pair copper) • IEEE 802.3z 1000Base-SX/LX Ethernet • IEEE802.3az Energy Efficient Ethernet
Interface	<ul style="list-style-type: none"> • Port 1 to 44: RJ-45 10/100/1000Mbps • Port 45 to 48: UTP/ SFP(100/1G) Combo Dual Media Auto Detection • Port 49 to 52: SFP+ (1G/10G)
Switching capacity and forwarding rate	<ul style="list-style-type: none"> • 130.94 mpps (Capacity in Millions of Packets per Second) (64-byte packets) • 136 Gbps (Switching Capacity in Gigabits per Second)
Jumbo frames	<ul style="list-style-type: none"> • Frame sizes up to 9KB supported on Gigabit interfaces
MAC Table	<ul style="list-style-type: none"> • Up to 32K MAC addresses
Spanning Tree Protocol (STP)	<ul style="list-style-type: none"> • Standard 802.1d Spanning Tree support Fast convergence using 802.1w (Rapid Spanning Tree [RSTP]), enabled by default Multiple Spanning Tree instances using 802.1s (MSTP)
Trunking	<ul style="list-style-type: none"> • Support for IEEE 802.3ad Link Aggregation Control Protocol (LACP) <ul style="list-style-type: none"> ■ Up to 26 groups ■ Up to 8 ports per group
VLAN	<ul style="list-style-type: none"> • Support for up to 4K VLANs simultaneously (out of 4096 VLAN IDs) <ul style="list-style-type: none"> ■ Port-based VLAN ■ 802.1Q tag-based VLAN ■ MAC-based VLAN ■ Management VLAN ■ Private VLAN Edge (PVE)
Voice VLAN	<ul style="list-style-type: none"> • Voice traffic is automatically assigned to a voice-specific VLAN and treated with appropriate levels of QoS
Generic VLAN Registration (GVRP)	<ul style="list-style-type: none"> • Protocols for automatically propagating and configuring VLANs in a bridged domain
DHCP Relay (Layer 2)	<ul style="list-style-type: none"> • Relay of DHCP traffic to DHCP server in different VLAN. Works with DHCP Option 82
IGMP v1/v2/v3 snooping	<ul style="list-style-type: none"> • IGMP limits bandwidth-intensive multicast traffic to only the requesters; supports 1024 multicast groups (source-specific multicasting is also supported)
IGMP Querier	<ul style="list-style-type: none"> • IGMP querier is used to support a Layer 2 multicast domain of snooping switches in the absence of a multicast router
IGMP Proxy	<ul style="list-style-type: none"> • Support IGMP Proxy
MLD v1/v2 snooping	<ul style="list-style-type: none"> • Deliver IPv6 multicast packets only to the required receivers
Secure Shell (SSH) Protocol	<ul style="list-style-type: none"> • SSH secures Telnet traffic in or out the switch, SSH v1 and v2 are supported
Secure Sockets Layer (SSL)	<ul style="list-style-type: none"> • SSL Support: Encrypts the http traffic, allowing advance secure access to the browser-based management GUI in the switch
IEEE 802.1X	<ul style="list-style-type: none"> • IEEE802.1X: RADIUS authentication, authorization and accounting, MD5 hash, guest VLAN , single/multiple host mode and single/multiple sessions • Supports IGMP-RADIUS based 802.1X • Dynamic VLAN assignment
Layer 2 isolation Private VLAN Edge (PVE)	<ul style="list-style-type: none"> • PVE (also knows as protected ports) provides L2 isolation between clients in the same VLAN, supports multiple uplinks
Port Security	<ul style="list-style-type: none"> • Locks MAC Addresses to ports, and limits the number of learned

	MAC addresses
IP Source Guard	<ul style="list-style-type: none"> Supports illegal IP address to access to specific port in the switch
RADIUS/ TACACS+	<ul style="list-style-type: none"> Supports RADIUS and TACACS+ authentication. Switch as a client
Storm control	<ul style="list-style-type: none"> Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port
ACLs	<ul style="list-style-type: none"> Support for up to 256 entries Drop or rate limitation based on source and destination MAC, VLAN ID or IP address, protocol, port, differentiated services code point (DSCP) / IP precedence, TCP/ UDP source and destination ports, 802.1p priority, Ethernet type, Internet Control Message Protocol (ICMP) packets, IGMP packets, TCP flag
Hardware Priority Queue Scheduling	<ul style="list-style-type: none"> Support 8 hardware queues
Scheduling	<ul style="list-style-type: none"> Strict priority and weighted round-robin (WRR) Queue assignment based on DSCP and class of service (802.1p/ CoS)
Classification	<ul style="list-style-type: none"> Port based; 802.1p VLAN priority based; IPv4/IPv6 precedence/ type of service (ToS) / DSCP based; Differentiated Services (DiffServ); classification and re-marking ACLs, trusted QoS
Rate Limiting	<ul style="list-style-type: none"> Ingress policer; egress shaping and rate control; per VLAN, per port and flow based
IPv6 applications	<ul style="list-style-type: none"> Web/ SSL, Telnet/ SSH, ping, Simple Network Time Protocol (SNTP), Trivial File Transfer Protocol (TFTP), SNMP, Syslog
Web GUI interface	<ul style="list-style-type: none"> Built-in switch configuration utility for browser-based device configuration (HTTP/ HTTPS). Supports configuration, system dashboard, maintenance, and monitoring
Dual Image	<ul style="list-style-type: none"> Dual image provides independent primary and secondary OS files for backup while upgrading
SNMP	<ul style="list-style-type: none"> SNMP version 1, 2c and 3 with support for traps, and SNMP version 3 user-based security model (USM)
Remote Monitoring (RMON)	<ul style="list-style-type: none"> Embedded RMON software agent supports RMON groups 1,2,3,9 (history, statistics, alarms, and events) for enhanced traffic management, monitoring and analysis
IPv4 and IPv6 dual stack	<ul style="list-style-type: none"> Coexistence of both protocol stacks to migration
Firmware upgrade	<ul style="list-style-type: none"> Web browser upgrade (HTTP/ HTTPS) and TFTP Upgrade through console port as well
Port mirroring	<ul style="list-style-type: none"> Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe. Up to N-1 (N is Switch's Ports) ports can be mirrored to single destination port. A single session is supported
Easy-Configuration-Ports	<ul style="list-style-type: none"> Easily to configure of clients' QoS and Security capabilities
Other management	<ul style="list-style-type: none"> Single IP management HTTP/HTTPS; SSH; RADIUS; DHCP Client/ DHCPv6 Client SNTP; cable diagnostics; ping; syslog; Telnet client (SSH secure support)
s-Flow	<ul style="list-style-type: none"> The industry standard technology for monitoring high speed switched networks. It gives complete visibility into the use of networks enabling performance optimization, accounting/billing for usage, and defense against security threats
UPnP	<ul style="list-style-type: none"> The Universal Plug and Play Forum, an industry group of companies working to enable device-to-device interoperability by promoting Universal Plug and Play
Link detection	<ul style="list-style-type: none"> Compliant IEEE802.3az Energy Efficient Ethernet Task Force.

	Automatically turns off power on Gigabit Ethernet RJ-45 port when detecting link down or Idle of client. Active mode is resumed without loss of any packets when the switch detects the link up
Cable length detection	<ul style="list-style-type: none"> Adjusts the signal strength based on the cable length. Reduces the power consumption for cables shorter
Link Layer Discovery Protocol (LLDP) (IEEE802.1AB) with LLDP-MED extensions	<ul style="list-style-type: none"> Used by network devices for advertising their identity, capabilities, and neighbors on a IEEE 802 local area network, principally wired Ethernet
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 40°C Operating Humidity: 10% to 90% (Non-Condensing)
Dimension	<ul style="list-style-type: none"> 442 * 300 * 44mm
Certification	<ul style="list-style-type: none"> FCC, CE

Ordering information

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Quality Link Connections

