

RP-PG2610I

8-P Gigabit + 2-TP/SFP (100/1G) combo L2+ Managed PoE+ Switch



RP-PG2610I is a 10-port Managed Gigabit PoE Switch which delivers 8 (10M/100M/1G) RJ45 ports, 2 Combo GbE RJ45/SFP ports and RJ45 Console port.

RP-PG2610I offers full suite of comprehensive Layer 2 switching capabilities such as ACL, Spanning Tree, DHCP Relay, IGMP QoS functions... etc., and provides advanced L3 features like Static Route and IPv6 / IPv4 management functions. RP-PG2610I's 10/100/1000 Mbps ports are PoE-enabled, supporting 8 ports PoE+ with a total power budget of 130W. RP-PG2610I provides the ideal combination of affordability and capabilities for small- and medium-size businesses which demands IP Phone, IP Camera or Wireless applications, thus helps you create a more efficient, better-connected workforce.

RP-PG2610I complies with 802.3az, the green feature enables the switch to automatically detect the length of connected Ethernet cables and adjust power usage accordingly. RP-PG2610I comes with a fanless design in a compact 8.7" desktop cabinet, also offering a 19" rack mounting brackets optional.

Features

- L2+ features provide better manageability, security, QoS, and performance.
- PoE Port configuration and scheduling, 802.3at high power PoE plus standard
- Built in Device Management System (DMS)
- DHCP Server
- IPv4/IPv6 L3 static route
- Support SSH/SSL secured management
- Support SNMP v1/v2c/v3
- Support RMON groups 1,2,3,9
- Support sFlow
- Support IGMP v1/v2/v3 Snooping
- Support MLD v1/v2 Snooping
- Support RADIUS and TACACS+ authentication
- Support IP Source Guard
- Support DHCP Relay (Option 82)
- Support DHCP Snooping
- Support ACL and QCL for traffic filtering
- Support 802.1d(STP), 802.1w(RSTP) and 802.1s(MSTP)
- Support LACP and static link aggregation
- Support Q-in-Q double tag VLAN
- Support GVRP dynamic VLAN
- IEEE 802.3az EEE Energy Efficient Ethernet standard for green Ethernet
- Fanless design

Specification

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 • IEEE802.3at/af PoE standard • IEEE802.3az Energy Efficient Ethernet
Interface	<ul style="list-style-type: none"> • Port 1 to 8: RJ-45 10/100/1000Mbps with 802.3af/at PoE, auto MDI/X • Port 9 to 10: RJ45/SFP(100/1000Mbps) combo • RJ45 Console port • Reset Button
Forwarding Capacity	<ul style="list-style-type: none"> • 14.88 Mpps
Switching Capacity	<ul style="list-style-type: none"> • 20 Gbps
Jumbo frames	<ul style="list-style-type: none"> • 9216 Bytes
MAC Table	<ul style="list-style-type: none"> • 8K MAC addresses
Layer 2 Switching	
Spanning Tree Protocol (STP)	<ul style="list-style-type: none"> • Standard Spanning Tree 802.1d • Rapid Spanning Tree (RSTP) 802.1w • Multiple Spanning Tree (MSTP) 802.1s
Trunking	<ul style="list-style-type: none"> • Link Aggregation Control Protocol (LACP) IEEE 802.3ad <ul style="list-style-type: none"> ■ Up to 5 groups ■ Up to 2 ports per group
VLAN	<ul style="list-style-type: none"> • Support 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) ■ Q-in-Q (double tag) VLAN ■ Voice VLAN ■ GARP VLAN Registration Protocol (GVRP)
DHCP Relay	<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
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"> • IGMP snooping with proxy reporting or report suppression actively filters IGMP packets in order to reduce load on the multicast router
MLD v1/v2 snooping	<ul style="list-style-type: none"> • Deliver IPv6 multicast packets only to the required receivers
Layer 3 Switching	
IPv4 Static Routing	<ul style="list-style-type: none"> • IPv4 Unicast: Static routing
IPv6 Static Routing	<ul style="list-style-type: none"> • IPv6 Unicast: Static routing
Security	
Secure Shell (SSH)	<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 encrypts the http traffic, allowing advanced 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

	<ul style="list-style-type: none"> • Supports IGMP-RADIUS based 802.1X • Dynamic VLAN assignment
Layer 2 Isolation Private VLAN Edge (PVE)	<ul style="list-style-type: none"> • PVE (also known 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"> • Prevents illegal IP addresses from accessing to specific ports 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
DHCP Snooping	<ul style="list-style-type: none"> • A feature acts as a firewall between untrusted hosts and trusted DHCP servers
ACLs	<ul style="list-style-type: none"> • Supports up to 256 entries. Drop or rate limitation based on: <ul style="list-style-type: none"> ■ 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 ■ TCP flag
Quality of Service	
Hardware Queue	<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
Classification	<ul style="list-style-type: none"> • Port based • 802.1p VLAN priority based • IPv4/IPv6 precedence / DSCP based • Differentiated Services (DiffServ) • Classification and re-marking ACLs
Rate Limiting	<ul style="list-style-type: none"> • Ingress policer • Egress shaping and rate control • Per port
Management	
DHCP Server	<ul style="list-style-type: none"> • Support DHCP server to assign IP to DHCP clients
Remote Monitoring (RMON)	<ul style="list-style-type: none"> • Embedded RMON agent supports RMON groups 1,2,3,9 (history, statistics, alarms, and events) for enhanced traffic management, monitoring and analysis
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
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
s-Flow	<ul style="list-style-type: none"> • The industry standard 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
IEEE 802.1ab (LLDP)	<ul style="list-style-type: none"> • Used by network devices for advertising their identities, capabilities, and neighbors on an IEEE 802.1ab local area network • Support LLDP-MED extensions
Web GUI Interface	<ul style="list-style-type: none"> • Built-in switch configuration utility for browser-based device

	configuration
CLI	<ul style="list-style-type: none"> • For users to configure/manage switches in command line modes
Dual Image	<ul style="list-style-type: none"> • Independent primary and secondary images 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)
Firmware Upgrade	<ul style="list-style-type: none"> • Web browser upgrade (HTTP/ HTTPS) and TFTP • Upgrade through console port as well
NTP	<ul style="list-style-type: none"> • Network Time Protocol (NTP) is a networking protocol for clock synchronization between computer systems over packet-switched
Other Management	<ul style="list-style-type: none"> • HTTP/HTTPS; SSH • DHCP Client/ DHCPv6 Client • Cable Diagnostics • Ping • Syslog • Telnet Client • IPv6 Management
Power over Ethernet (PoE)	
Port Configuration	<ul style="list-style-type: none"> • Supports per port PoE configuration function
PoE Scheduling	<ul style="list-style-type: none"> • Supports per port PoE scheduling to turn on/off the PoE devices (PDs)
Auto-checking	<ul style="list-style-type: none"> • Check the link status of PDs. Reboot PDs if there is no responses
Power Delay	<ul style="list-style-type: none"> • The switch provides power to the PDs based on delay time when PoE switch boots up, in order to protect switch from misuse of the PDs
PoE Power Budget	<ul style="list-style-type: none"> • 130 Watts
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 45°C • Storage Temperature: -20 to 70°C • Operating Humidity: 10% to 90% (Non-Condensing)
Dimension	<ul style="list-style-type: none"> • 220 x 44 x 242mm (WxHxD)
Certification	<ul style="list-style-type: none"> • FCC, CE

Ordering information

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