

RP-PG1610W

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



RP-PG1610W is a 10-port Web Smart Gigabit PoE Switch which delivers 8 (10M/100M/1G) RJ45 ports, 2 Combo GbE RJ45/SFP ports.

RP-PG1610W offers powerful network switching engine such as Trunking, VLAN, IGMP snooping functions...etc. and supports smooth IPv6 migration for future expansions. RP-PG1610W's 10/100/1000 Mbps ports are PoE-enabled, supporting 8 ports PoE+ with a total power budget of 130W. It provides the ideal combination of affordability and capabilities for entry level networking of a small business or a branch office of an enterprise which demands IP Phone, IP Camera or Wireless applications, thus helps you to create an efficient, flexible and easier-connected workforce.

RP-PG1610W complies with 802.3az Energy Efficient Ethernet (EEE) features can reduce energy consumption of Ethernet devices through defining low-power modes and adjusting the operating timeframe to help saving the related costs effectively. RP-PG1610W comes with a fanless design in a compact desktop cabinet, also offering a 19" rack mounting brackets optional.

Features

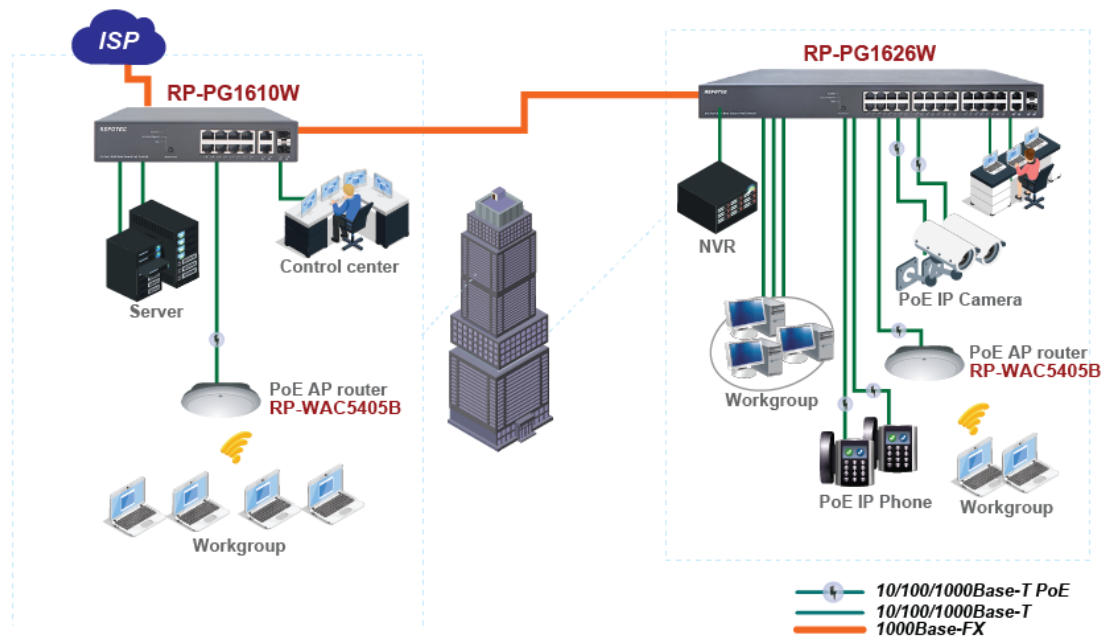
- PoE Port configuration and scheduling
- 802.3at high power PoE plus standard
- Built in Device Management System (DMS)
- DHCP Server
- IPv4/IPv6 L3 static route
- Support SNMP v1/v2c/v3
- Support RMON groups 1,2,3,9
- Support IGMP v1/v2/v3 Snooping
- Support RADIUS authentication
- Support IP Source Guard
- 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
- IEEE 802.3az EEE Energy Efficient Ethernet standard for green Ethernet
- Fanless design

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 ● IEEE 802.3at/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 ● 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 ■ Management VLAN ■ Q-in-Q (double tag) VLAN
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
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 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 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 address
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

Quality of Service	
Hardware Queue Scheduling	<ul style="list-style-type: none"> ● Support 8 hardware queues
Classification	<ul style="list-style-type: none"> ● Strict priority and weighted round-robin (WRR) ● Queue assignment based on DSCP and class of service
Rate Limiting	<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
Management	
DHCP Server	<ul style="list-style-type: none"> ● Support DHCP server to assign IP to DHCP clients
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
IEEE 802.1ab (LLDP)	<ul style="list-style-type: none"> ● Used by network devices for advertising their identities, capabilities, and neighbors on an IEEE 802ab 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
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 version1, 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
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 ● DHCP Client/ DHCPv6 Client ● Cable Diagnostics ● Ping ● Syslog ● 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

Application



Ordering information

RP-PG1610W 8-P Gigabit + 2-TP/SFP(10/1G) combo Web Smart PoE+ Switch (130W)