RP-PG1626W | RP-PG1626WF

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

RP-PG1626WF is a 26-port Web Smart Gigabit PoE Switch which delivers 24 (10M/100M/1G) RJ45 ports, 2 Combo GbE RJ45/SFP ports.

RP-PG1626WF offers powerful network switching engine such as Trunking, VLAN, IGMP snooping functions…etc. and supports smooth IPv6 migration for future expansions. The Switch features IEEE 802.3at PoE with up to 30W power per port to flexibly extend network deployments. It provides the ideal combination of affordability and capabilities for enterprise which demands IP Phone, IP Camera or Wireless applications, to create an efficient, flexible and easier-connected workforce.

RP-PG1626WF 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.

Features

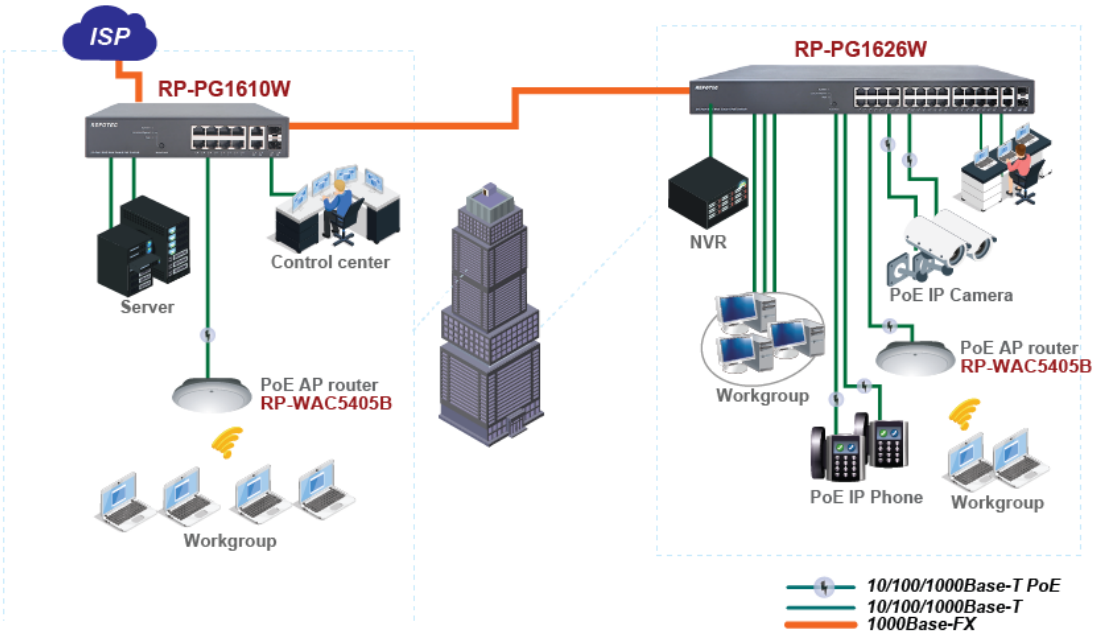
- PoE Port configuration and scheduling
- 802.3at high power PoE plus standard
- Built in Device Management System (DMS)
- DHCP Server
- IPv4/IPv6 L3 static route
- Support SNMP v1/v2c/v3
- Support RMON groups 1,2,3,9
- Support IGMP v1/v2/v3 Snooping
- Support RADIUS authentication
- Support IP Source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

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 • IEEE 802.3at/af PoE Standard • IEEE802.3az Energy Efficient Ethernet
Interface	• Port 1 to 24: RJ-45 10/100/1000Mbps with 802.3af/at PoE, auto MDI/X • Port 25 to 26: RJ45/SFP(100/1000Mbps) combo • Reset Button
Forwarding Capacity	• 38.68 Mpps
Switching Capacity	• 52 Gbps
Jumbo frames	• 9216 Bytes
MAC Table	• 32K MAC addresses
Layer 2 Switching	
Spanning Tree Protocol (STP)	• Standard Spanning Tree 802.1d • Rapid Spanning Tree (RSTP) 802.1w • Multiple Spanning Tree (MSTP) 802.1s
Trunking	• Link Aggregation Control Protocol (LACP) IEEE 802.3ad ▪ Up to 13 groups ▪ Up to 4 ports per group
VLAN	• Support up to 4K VLANs simultaneously (out of 4096 VLAN IDs) ▪ Port-based VLAN ▪ 802.1Q tag-based VLAN ▪ Management VLAN ▪ Q-in-Q (double tag) VLAN
IGMP v1/v2/v3 snooping	• IGMP limits bandwidth-intensive multicast traffic to only the requesters • Supports 1024 multicast groups
IGMP Querier	• IGMP querier is used to support a Layer 2 multicast domain of snooping switches in the absence of a multicast router
IGMP Proxy	• 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	• IPv4 Unicast: Static routing
IPv6 Static Routing	• IPv6 Unicast: Static routing
Security	
Secure Shell (SSH)	• SSH secures Telnet traffic in or out the switch, SSH v1 and v2 are supported
Secure Sockets Layer (SSL)	• SSL Support: Encrypts the http traffic, allowing advance secure access to the browser-based management GUI in the switch
IEEE 802.1X	• 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)	• PVE (also knows as protected ports) provides L2 isolation between clients in the same VLAN. Supports multiple uplinks
Port Security	• Locks MAC addresses to ports, and limits the number of learned MAC address
Storm control	• Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port

Quality of Service	
Hardware Queue	• Support 8 hardware queues
Scheduling	• Strict priority and weighted round-robin (WRR) • Queue assignment based on DSCP and class of service
Classification	• Port based • 802.1p VLAN priority based • IPv4/IPv6 precedence / DSCP based • Differentiated Services (DiffServ) • Classification and re-marking ACLs
Rate Limiting	• Ingress policer • Egress shaping and rate control • Per port
Management	
DHCP Server	• Support DHCP server to assign IP to DHCP clients
Port mirroring	• 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	• 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)	• 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	• Built-in switch configuration utility for browser-based device configuration
Dual Image	• Independent primary and secondary images for backup while upgrading
SNMP	• SNMP version1, 2c and 3 with support for traps, and SNMP version 3 user-based security model (USM)
Firmware Upgrade	• Web browser upgrade (HTTP/ HTTPs) and TFTP
NTP	• Network Time Protocol (NTP) is a networking protocol for clock synchronization between computer systems over packet-switched
Other Management	• HTTP/HTTPs • DHCP Client/ DHCPv6 Client • Cable Diagnostics • Ping • Syslog • IPv6 Management
Power over Ethernet (PoE)	
Port Configuration	• Supports per port PoE configuration function
PoE Scheduling	• Supports per port PoE scheduling to turn on/off the PoE devices (PDs)
Auto-checking	• Check the link status of PDs. Reboot PDs if there is no responses.
Power Delay	• 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	• 185 Watts (RP-PG1626W) • 370 Watts (RP-PG1626WF)
Power Supply	• Internal Power supply 100~240VAC, 50/60 Hz
Environment	• Operating temperature: 0°C to 45°C • Storage Temperature: -20 to 70°C • Operating Humidity: 10% to 90% (Non-Condensing)
Dimension	• 442 x 44 x 211mm (WxHxD)
Certification	• FCC, CE

Application



Ordering information

RP-PG1626W	24-P Gigabit + 2-TP/SFP(10/1G) combo Web Smart PoE+ Switch (185W)
RP-PG1626WF	24-P Gigabit + 2-TP/SFP(10/1G) combo Web Smart PoE+ Switch (370W)

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