

## RP-PG2626IF

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



RP-PG2626IF is a 26-port Managed Gigabit PoE Switch which delivers 24 (10M/100M/1G) RJ45 PoE+ ports, 2 Combo GbE RJ45/SFP ports and RJ45 Console port.

RP-PG2626IF 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-PG2626IF's 10/100/1000 Mbps ports are PoE-enabled, compliant with 802.3af and 802.3at standard, 24 ports PoE+ with a total power budget of 370W. RP-PG2626IF provides a reliable infrastructure for your business network and delivers more intelligent features you need to improve the availability of your critical business applications, the switch provides ideal combination of affordability and capabilities for small- and medium-size businesses to build high-performance network efficiently.

RP-PG2626IF complies with 802.3az, the green feature enables the switch to automatically detect the length of connected Ethernet cables and adjust power usage accordingly.

## 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

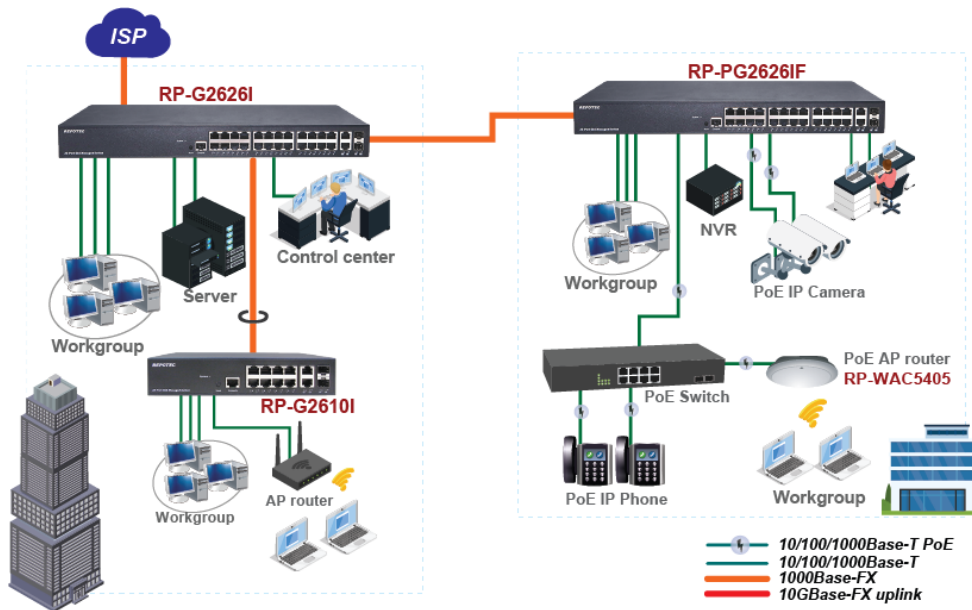
## Specifications

<b>Standards</b>	<ul style="list-style-type: none"> <li>● IEEE 802.3/3u 10Base-T, 100Base-TX Ethernet</li> <li>● IEEE 802.3ab 1000Base-T Ethernet</li> <li>● IEEE 802.3z 1000Base-X Ethernet</li> <li>● IEEE 802.3x Flow Control capability</li> <li>● IEEE802.3at/af PoE standard</li> <li>● IEEE802.3az Energy Efficient Ethernet</li> </ul>
<b>Interface</b>	<ul style="list-style-type: none"> <li>● Port 1 to 24: RJ-45 10/100/1000Mbps with 802.3af/at PoE, auto MDI/X</li> <li>● Port 25 to 26: RJ45/SFP(100/1000Mbps) combo</li> <li>● RJ45 Console port</li> <li>● Reset Button</li> </ul>
<b>Forwarding Capacity</b>	<ul style="list-style-type: none"> <li>● 14.88 Mpps</li> </ul>
<b>Switching Capacity</b>	<ul style="list-style-type: none"> <li>● 56 Gbps</li> </ul>
<b>Jumbo frames</b>	<ul style="list-style-type: none"> <li>● 9216 Bytes</li> </ul>
<b>MAC Table</b>	<ul style="list-style-type: none"> <li>● 8K MAC addresses</li> </ul>
<b>Layer 2 Switching</b>	
<b>Spanning Tree Protocol (STP)</b>	<ul style="list-style-type: none"> <li>● Standard Spanning Tree 802.1d</li> <li>● Rapid Spanning Tree (RSTP) 802.1w</li> <li>● Multiple Spanning Tree (MSTP) 802.1s</li> </ul>
<b>Trunking</b>	<ul style="list-style-type: none"> <li>● Link Aggregation Control Protocol (LACP) IEEE 802.3ad <ul style="list-style-type: none"> <li>■ Up to 13 groups</li> <li>■ Up to 4 ports per group</li> </ul> </li> </ul>
<b>VLAN</b>	<ul style="list-style-type: none"> <li>● Support up to 4K VLANs simultaneously (out of 4096 VLAN IDs) <ul style="list-style-type: none"> <li>■ Port-based VLAN</li> <li>■ 802.1Q tag-based VLAN</li> <li>■ MAC-based VLAN</li> <li>■ Management VLAN</li> <li>■ Private VLAN Edge (PVE)</li> <li>■ Q-in-Q (double tag) VLAN</li> <li>■ Voice VLAN</li> <li>■ GARP VLAN Registration Protocol (GVRP)</li> </ul> </li> </ul>
<b>DHCP Relay</b>	<ul style="list-style-type: none"> <li>● Relay of DHCP traffic to DHCP server in different VLAN.</li> <li>● Works with DHCP Option 82</li> </ul>
<b>IGMP v1/v2/v3 snooping</b>	<ul style="list-style-type: none"> <li>● IGMP limits bandwidth-intensive multicast traffic to only the requesters</li> <li>● Supports 1024 multicast groups</li> </ul>
<b>IGMP Querier</b>	<ul style="list-style-type: none"> <li>● IGMP querier is used to support a Layer 2 multicast domain of snooping switches in the absence of a multicast router</li> </ul>
<b>IGMP Proxy</b>	<ul style="list-style-type: none"> <li>● IGMP snooping with proxy reporting or report suppression actively filters IGMP packets in order to reduce load on the multicast router</li> </ul>
<b>MLD v1/v2 snooping</b>	<ul style="list-style-type: none"> <li>● Deliver IPv6 multicast packets only to the required receivers</li> </ul>
<b>Layer 3 Switching</b>	
<b>IPv4 Static Routing</b>	<ul style="list-style-type: none"> <li>● IPv4 Unicast: Static routing</li> </ul>
<b>IPv6 Static Routing</b>	<ul style="list-style-type: none"> <li>● IPv6 Unicast: Static routing</li> </ul>
<b>Security</b>	
<b>Secure Shell (SSH)</b>	<ul style="list-style-type: none"> <li>● SSH secures Telnet traffic in or out the switch, SSH v1 and v2 are</li> </ul>

	supported
<b>Secure Sockets Layer (SSL)</b>	<ul style="list-style-type: none"> <li>• SSL encrypts the http traffic, allowing advanced secure access to the browser-based management GUI in the switch</li> </ul>
<b>IEEE 802.1X</b>	<ul style="list-style-type: none"> <li>• IEEE802.1X: RADIUS authentication, authorization and accounting, MD5 hash, guest VLAN , single/multiple host mode and single/multiple sessions</li> <li>• Supports IGMP-RADIUS based 802.1X</li> <li>• Dynamic VLAN assignment</li> </ul>
<b>Layer 2 Isolation Private VLAN Edge (PVE)</b>	<ul style="list-style-type: none"> <li>• PVE (also known as protected ports) provides L2 isolation between clients in the same VLAN. Supports multiple uplinks</li> </ul>
<b>Port Security</b>	<ul style="list-style-type: none"> <li>• Locks MAC addresses to ports, and limits the number of learned MAC address</li> </ul>
<b>IP Source Guard</b>	<ul style="list-style-type: none"> <li>• Prevents illegal IP address from accessing to specific port in the switch</li> </ul>
<b>RADIUS/ TACACS+</b>	<ul style="list-style-type: none"> <li>• Supports RADIUS and TACACS+ authentication. Switch as a client</li> </ul>
<b>Storm control</b>	<ul style="list-style-type: none"> <li>• Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port</li> </ul>
<b>DHCP Snooping</b>	<ul style="list-style-type: none"> <li>• A feature acts as a firewall between untrusted hosts and trusted DHCP servers</li> </ul>
<b>ACLs</b>	<ul style="list-style-type: none"> <li>• Supports up to 256 entries. Drop or rate limitation based on: <ul style="list-style-type: none"> <li>■ Source and destination MAC, VLAN ID or IP address, protocol, port</li> <li>■ Differentiated services code point (DSCP) / IP precedence</li> <li>■ TCP/ UDP source and destination ports</li> <li>■ 802.1p priority</li> <li>■ Ethernet type</li> <li>■ Internet Control Message Protocol (ICMP) packets</li> <li>■ TCP flag</li> </ul> </li> </ul>
<b>Quality of Service</b>	
<b>Hardware Queue</b>	<ul style="list-style-type: none"> <li>• Support 8 hardware queues</li> </ul>
<b>Scheduling</b>	<ul style="list-style-type: none"> <li>• Strict priority and weighted round-robin (WRR)</li> <li>• Queue assignment based on DSCP and class of service</li> </ul>
<b>Classification</b>	<ul style="list-style-type: none"> <li>• Port based</li> <li>• 802.1p VLAN priority based</li> <li>• IPv4/IPv6 precedence / DSCP based</li> <li>• Differentiated Services (DiffServ)</li> <li>• Classification and re-marking ACLs</li> </ul>
<b>Rate Limiting</b>	<ul style="list-style-type: none"> <li>• Ingress policer</li> <li>• Egress shaping and rate control</li> <li>• Per port</li> </ul>
<b>Management</b>	
<b>DHCP Server</b>	<ul style="list-style-type: none"> <li>• Support DHCP server to assign IP to DHCP clients</li> </ul>
<b>Remote Monitoring (RMON)</b>	<ul style="list-style-type: none"> <li>• Embedded RMON agent supports RMON groups 1,2,3,9 (history, statistics, alarms, and events) for enhanced traffic management, monitoring and analysis</li> </ul>
<b>Port mirroring</b>	<ul style="list-style-type: none"> <li>• 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)</li> </ul>

	ports can be mirrored to single destination port. A single session is supported
<b>UPnP</b>	<ul style="list-style-type: none"> <li>• The Universal Plug and Play Forum, an industry group of companies working to enable device-to-device interoperability by promoting Universal Plug and Play</li> </ul>
<b>s-Flow</b>	<ul style="list-style-type: none"> <li>• 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</li> </ul>
<b>IEEE 802.1ab (LLDP)</b>	<ul style="list-style-type: none"> <li>• Used by network devices for advertising their identities, capabilities, and neighbors on an IEEE 802ab local area network</li> <li>• Support LLDP-MED extensions</li> </ul>
<b>Web GUI Interface</b>	<ul style="list-style-type: none"> <li>• Built-in switch configuration utility for browser-based device configuration</li> </ul>
<b>CLI</b>	<ul style="list-style-type: none"> <li>• For users to configure/manage switches in command line modes</li> </ul>
<b>Dual Image</b>	<ul style="list-style-type: none"> <li>• Independent primary and secondary images for backup while upgrading</li> </ul>
<b>SNMP</b>	<ul style="list-style-type: none"> <li>• SNMP version 1, 2c and 3 with support for traps, and SNMP version 3 user-based security model (USM)</li> </ul>
<b>Firmware Upgrade</b>	<ul style="list-style-type: none"> <li>• Web browser upgrade (HTTP/ HTTPS) and TFTP</li> <li>• Upgrade through console port as well</li> </ul>
<b>NTP</b>	<ul style="list-style-type: none"> <li>• Network Time Protocol (NTP) is a networking protocol for clock synchronization between computer systems over packet-switched</li> </ul>
<b>Other Management</b>	<ul style="list-style-type: none"> <li>• HTTP/HTTPS; SSH</li> <li>• DHCP Client/ DHCPv6 Client</li> <li>• Cable Diagnostics</li> <li>• Ping</li> <li>• Syslog</li> <li>• Telnet Client</li> <li>• IPv6 Management</li> </ul>
<b>Power over Ethernet (PoE)</b>	
<b>Port Configuration</b>	<ul style="list-style-type: none"> <li>• Supports per port PoE configuration function</li> </ul>
<b>PoE Scheduling</b>	<ul style="list-style-type: none"> <li>• Supports per port PoE scheduling to turn on/off the PoE devices (PDs)</li> </ul>
<b>Auto-checking</b>	<ul style="list-style-type: none"> <li>• Check the link status of PDs. Reboot PDs if there is no responses</li> </ul>
<b>Power Delay</b>	<ul style="list-style-type: none"> <li>• 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</li> </ul>
<b>PoE Power Budget</b>	<ul style="list-style-type: none"> <li>• 370 Watts</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• Internal Power supply 100~240VAC, 50/60 Hz</li> </ul>
<b>Environment</b>	<ul style="list-style-type: none"> <li>• Operating temperature: 0°C to 45°C</li> <li>• Storage Temperature: -20 to 70°C</li> <li>• Operating Humidity: 10% to 90% (Non-Condensing)</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>• 442 x 44 x 211mm (WxHxD)</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>• FCC, CE</li> </ul>

## Application



## Ordering information

**RP-PG2626IF** 24-P Gigabit + 2-TP/SFP(100/1G) combo L2+ Managed PoE+ Switch (370W)

**RP-PG2626I** 24-P Gigabit + 2-TP/SFP(100/1G) combo L2+ Managed PoE+ Switch (185W)