RP-PG83240I-4F

24-P Gigabit + 4-SFP (1G/2.5G) slot L2+ Managed PoE Switch

The RP-PG83240I-4F is a Layer 2 switch designed for enterprise networks. It offers 24 gigabit PoE ports and 4 1G/2.5G SFP slots, providing flexible connectivity options. With a PoE power budget of up to 400W, it can reliably power connected devices. The switch has a switching capacity of 56Gbps, ensuring efficient data transmission and high-performance networking.

This switch is equipped with comprehensive end-to-end Quality of Service (QoS) capabilities, allowing for effective prioritization of network traffic. It also offers flexible management options and advanced security settings, making it well-suited for networks that require high-speed, secure, and intelligent solutions at an affordable price. With its powerful network security features, it enables effective control of data traffic for Internet Service Providers (ISPs) and supports applications such as VoIP, video streaming, and multicast services.

In addition to its networking capabilities, the RP-PG83240I-4F has a maximum power consumption of 400W, making it a reliable power solution for SMBs deploying Power over Ethernet (PoE) networks. RP-PG83240I-4F combines performance, QoS capabilities, security features, and power efficiency to meet the networking needs of enterprises.

Features

- Supports IPv4/IPv6 static routing, DHCP server
- Supports GE ports, 2.5GE port aggregation, static and dynamic aggregation
- Supports access, truck , hybrid mode and VLAN classification, including the Mac based VLAN, IP based VLAN and protocol based VLAN
- Supports port-based, VLAN-based and flow-based QinQ
- Supports STP, RSTP, MSTP, G.8032 ERPS protocol, single ring, sub ring
- Multicast: Supports IGMP snooping
- QoS class, remarking, Supports SP, WRR queue scheduling, Ingress/Engress port-based rate-limit and policy-based QoS
- Support Dot1x，port authentication，mac authentication，RADIUS service; Support port-security, ip source guard，IP/Port/MAC binding, arp-check and ARP packet filtering for illegal users and port isolation
- Supports LLDP, user management and login authentication; SNMPV1/V2C/V3; web

management，HTTP1.1，HTTPS; Syslog and alarm grading ; RMON
- Firmware update, configure backup/restore through Web GUI, FTP and TFTP

## Specifications

Standards	- IEEE 802.3 10Base-T Ethernet - IEEE 802.3u 100Base-TX Ethernet - IEEE 802.3ab 1000Base-T Ethernet - IEEE 802.3z 1000Base-X Ethernet - IEEE802.3x Flow Control and Back Pressure - IEEE 802.1D Spanning Tree Protocol - IEEE 802.1w Rapid Spanning Tree Protocol - IEEE 802.1Q VLAN - ITU-T G.8032 ERPS - IEEE 802.1X Port Authentication Network Control - IEEE 802.1ab LLDP - IEEE 802.3ad LACP - IEEE 802.3af PoE - IEEE 802.3at PoE+
Interface	24 x 10/100/1000Base-T RJ45 PoE ports 4 x 1G/2.5G Base-X SFP+
Management port	1 x RJ45 Console port
PoE	- Complies with IEEE 802.3at, IEEE802.3af standard. Max output power per port can reach 30W(PoE+) - Support 1/2(+) 3/6(-) Endspan
Switching capacity	68Gbps
Packet forwarding rate	101Mpps
MAC address table	16K
Buffer	12M bit
Layer 2 function	
Port aggregation	- Support gigabit port, 2.5GE port aggregation - Support static and dynamic aggregation
Port features	- Support IEEE802.3x flow control, Port traffic statistics, port isolation - Support network storm suppression based on port bandwidth percentage
VLAN	Support access, trunk and hybrid mode
VLAN Classification	- Mac Based VLAN - IP Based VLAN - Protocol Based VLAN
QinQ	- Basic QinQ (Port-based QinQ) - Flexible Q in Q(VLAN-based QinQ) - QinQ(Flow-based QinQ)
Port mirroring	Many to one (Port Mirroring)
Ring network protocol	- Support STP, RSTP, MSTP - Support G.8032 ERPS protocol, single ring, sub ring and

	other ring
DHCP	• DHCP Client • DHCP Snooping
Multicast	• IGMP snooping
ACL	• IP Standard ACL • MAC extend ACL • IP extend ACL
QoS	• Support QoS Class, Remarking • Support SP, WRR queue scheduling • Ingress Port-based Rate-limit • Egress Port-based Rate-limit • Support Policy-based QoS
Security	• Support Dot1x, port authentication, MAC authentication, RADIUS service • Support port-security • Support IP Source Guard，IP/Port/MAC binding • Support ARP-check and ARP packet filtering for illegal users • Support port isolation
Management & maintenance	• Support LLDP • Support user management and login authentication • Support SNMPV1/V2C/V3 • Support web management, HTTP1.1, HTTPS • Support Syslog and alarm grading • Support RMON(Remote Monitoring) alarm, event and history record • Support NTP • Support temperature monitoring • Support Ping, Tracert • Support optical transceiver DDM function • Support TFTP Client • Support Telnet Server • Support SSH Server • Support IPv6 Management • Support PoE management • Support FTP, TFTP, WEB upgrading
Layer 3 features	
DHCP server	• DHCP server
ARP	• ARP table aging
IPv4/IPv6	• Static routing
Mechanical structure	
Power supply	• VAC input • Rated voltage range: 100-240V • Frequency: 50/60Hz
Fan	• Support fan speed control

PoE Power	● Total PoE power budget 400W
Power surge protection	● 6KV, IEC 61000-4-5　Level X (8/20us)
Ethernet ports surge protection	● 4KV, IEC 61000-4-5　Level 4 (10/700us)
Dimension	● 440 x 245 x 44mm (W*D*H)
Environment	● Operating temperature: 0°C~+50°C ● Operating Humidity: 10 to 90% (Non-Condensing)
Certification	● CE/FCC

Application
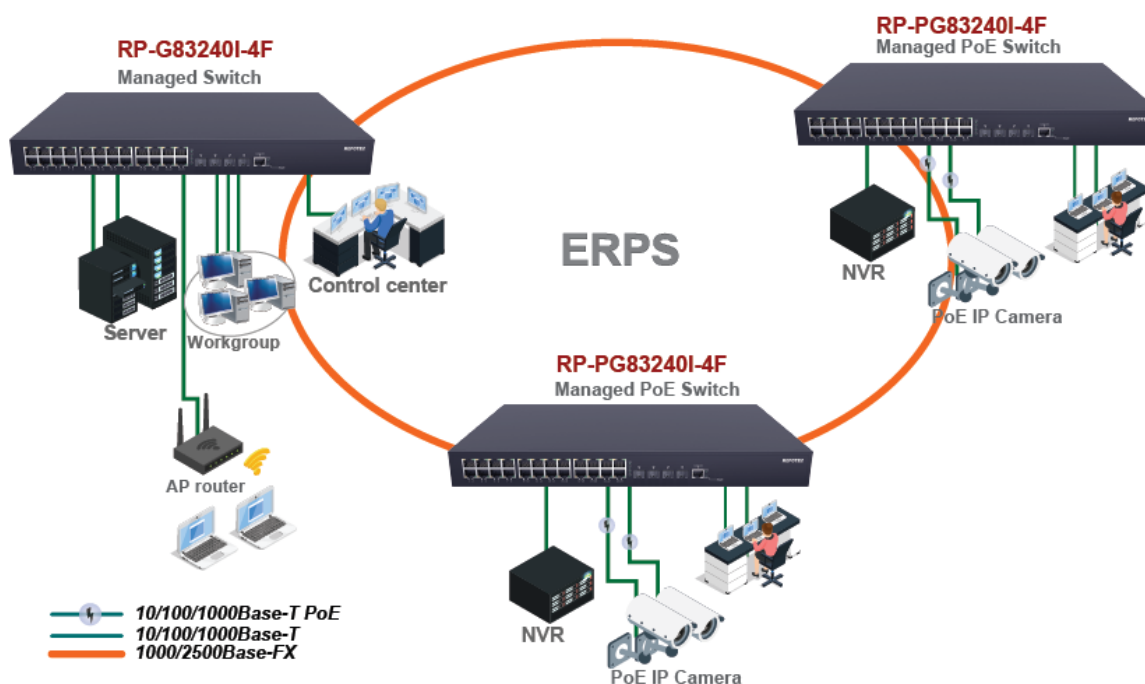
Ordering information

RP-PG83240I-4F　24-P Gigabit + 4-SFP(1G/2.5G) slot L2+ Managed PoE Switch (400W)