



## **RP-G83240IX-4F-S**

### **24-P Gigabit + 4-SFP (1G/2.5G/10G) slot L2+ Managed Switch**



RP-G83240IX-4F-S, a versatile Layer 2+ managed Gigabit switch designed for enterprise networks. With 24 gigabit PoE ports and 4 \*1G/2.5G/10G SFP slots, this switch delivers full Gigabit access and impressive scalability, achieving exceptional 10G performance. It supports Layer 3 static routing and offers a switching capacity of 128 Gbps.

The RP-G83240IX-4F-S meets the needs of modern networks, providing comprehensive QoS capabilities, flexible management, and robust security features at a cost-effective price. It ensures high-speed, secure, and intelligent networking for enterprises. The switch offers advanced protocols, VLAN classification options, port mirroring, layer 2 ring network protocols, multicast support, and comprehensive QoS features.

With support for LLDP, user management, SNMP, web management, firmware updates, and utilities like Ping and Tracert, the RP-G83240IX-4F-S simplifies network monitoring and maintenance. It empowers enterprises with reliable performance and efficient network operations.

## **Features**

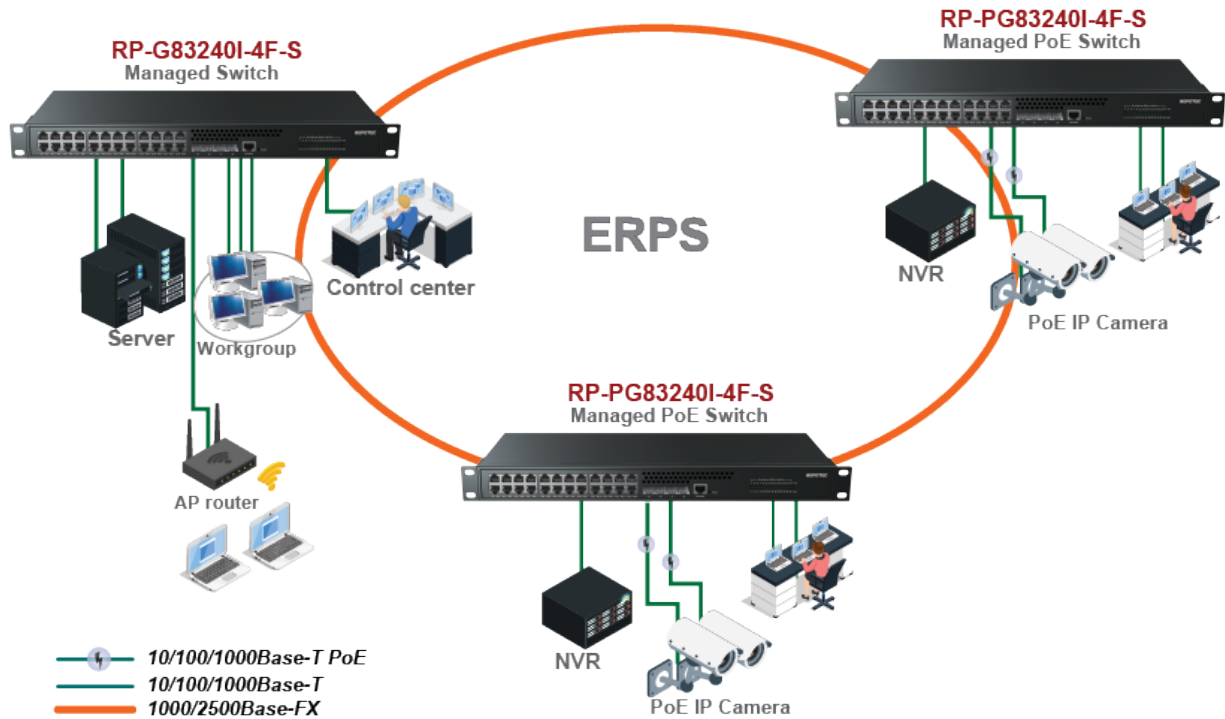
- Supports IPv4/IPv6 static routing, DHCP server
- Supports GE ports, 2.5GE port aggregation, static and dynamic aggregation
- Supports access, trunk, and hybrid mode VLAN classification
- Supports port-based, VLAN-based and flow-based QinQ
- Port Mirroring: Many to one port mirroring
- Supports STP, RSTP, MSTP, G.8032 ERPS protocol, single ring, sub ring
- Multicast: Supports IGMP snooping
- QoS: Supports SP, WRR queue scheduling, rate-limiting, and policy-based QoS
- Supports Dot1x, port authentication, MAC authentication, RADIUS service.
- Supports LLDP, user management, login authentication; SNMPV1/V2C/V3; web management.
- Configuration upload/download through web interface, firmware upgrade via HTTP/TFTP/USB

## Specifications

<b>Standards</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3 10Base-T Ethernet</li> <li>• IEEE 802.3u 100Base-TX Ethernet</li> <li>• IEEE 802.3ab 1000Base-T Ethernet</li> <li>• IEEE 802.3z 1000Base-X Ethernet</li> <li>• IEEE 802.3z 1000Base-X Ethernet</li> <li>• IEEE802.3x Flow Control and Back Pressure</li> <li>• IEEE 802.1D Spanning Tree Protocol</li> <li>• IEEE 802.1w Rapid Spanning Tree Protocol</li> <li>• IEEE 802.1Q VLAN</li> <li>• ITU-T G.8032 ERPS</li> <li>• IEEE 802.1X Port Authentication Network Control</li> <li>• IEEE 802.1ab LLDP</li> <li>• IEEE 802.3ad LACP</li> </ul>
<b>Interface</b>	<ul style="list-style-type: none"> <li>• 24 x 10/100/1000Base-T RJ45 ports</li> <li>• 4 x 1G/2.5G/10G Base-X SFP+</li> </ul>
<b>Management port</b>	<ul style="list-style-type: none"> <li>• 1 x RJ45 Console port</li> </ul>
<b>Switching capacity</b>	<ul style="list-style-type: none"> <li>• 128Gbps</li> </ul>
<b>Packet forwarding rate</b>	<ul style="list-style-type: none"> <li>• 190Mpps</li> </ul>
<b>MAC address table</b>	<ul style="list-style-type: none"> <li>• 16K</li> </ul>
<b>Buffer</b>	<ul style="list-style-type: none"> <li>• 12M bit</li> </ul>
<b>Layer 2 function</b>	
<b>Port aggregation</b>	<ul style="list-style-type: none"> <li>• Support gigabit port, 2.5GE and 10GE port aggregation</li> <li>• Support static and dynamic aggregation</li> </ul>
<b>Port features</b>	<ul style="list-style-type: none"> <li>• Support IEEE802.3x flow control, Port traffic statistics, port isolation</li> <li>• Support network storm suppression based on port bandwidth percentage</li> </ul>
<b>VLAN</b>	<ul style="list-style-type: none"> <li>• Support access, trunk and hybrid mode</li> </ul>
<b>VLAN Classification</b>	<ul style="list-style-type: none"> <li>• Mac Based VLAN</li> <li>• IP Based VLAN</li> <li>• Protocol Based VLAN</li> </ul>
<b>QinQ</b>	<ul style="list-style-type: none"> <li>• Basic QinQ (Port-based QinQ)</li> <li>• Flexible Q in Q(VLAN-based QinQ)</li> <li>• QinQ(Flow-based QinQ)</li> </ul>
<b>Port mirroring</b>	<ul style="list-style-type: none"> <li>• Many to one (Port Mirroring)</li> </ul>
<b>Ring network protocol</b>	<ul style="list-style-type: none"> <li>• Support STP、RSTP、MSTP</li> <li>• Support G.8032 ERPS protocol、single ring, sub ring and other ring</li> </ul>
<b>DHCP</b>	<ul style="list-style-type: none"> <li>• DHCP Client</li> <li>• DHCP Snooping</li> </ul>
<b>Multicast</b>	<ul style="list-style-type: none"> <li>• IGMP snooping</li> </ul>
<b>ACL</b>	<ul style="list-style-type: none"> <li>• IP Standard ACL</li> <li>• MAC extend ACL</li> <li>• IP extend ACL</li> </ul>

<b>QoS</b>	<ul style="list-style-type: none"> <li>• Support QoS Class, Remarking</li> <li>• Support SP, WRR queue scheduling</li> <li>• Ingress Port-based Rate-limit</li> <li>• Egress Port-based Rate-limit</li> <li>• Support Policy-based QoS</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>• Support Dot1x , port authentication , MAC authentication , RADIUS service</li> <li>• Support port-security</li> <li>• Support IP Source Guard , IP/Port/MAC binding</li> <li>• Support ARP-check and ARP packet filtering for illegal users</li> <li>• Support port isolation</li> </ul>
<b>Management &amp; maintenance</b>	<ul style="list-style-type: none"> <li>• Support LLDP</li> <li>• Support user management and login authentication</li> <li>• Support SNMPV1/V2C/V3</li> <li>• Support web management, HTTP1.1, HTTPS</li> <li>• Support Syslog and alarm grading</li> <li>• Support RMON(Remote Monitoring) alarm, event and history record</li> <li>• Support NTP</li> <li>• Support temperature monitoring</li> <li>• Support Ping, Tracert</li> <li>• Support optical transceiver DDM function</li> <li>• Support TFTP Client</li> <li>• Support Telnet Server</li> <li>• Support SSH Server</li> <li>• Support IPv6 Management</li> <li>• Support FTP, TFTP, WEB upgrading</li> </ul>
<b>Layer 3 features</b>	
<b>DHCP server</b>	<ul style="list-style-type: none"> <li>• DHCP server</li> </ul>
<b>ARP</b>	<ul style="list-style-type: none"> <li>• ARP table aging</li> </ul>
<b>IPv4/IPv6</b>	<ul style="list-style-type: none"> <li>• Static routing</li> </ul>
<b>Mechanical structure</b>	
<b>Power supply</b>	<ul style="list-style-type: none"> <li>• VAC input</li> <li>• Rated voltage range: 100-240V</li> <li>• Frequency: 50/60Hz</li> </ul>
<b>Fan</b>	<ul style="list-style-type: none"> <li>• Support fan speed control</li> </ul>
<b>Consumption</b>	<ul style="list-style-type: none"> <li>• ≤24W</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>• 440 x 180 x 45mm (W*D*H)</li> </ul>
<b>Environment</b>	<ul style="list-style-type: none"> <li>• Operating temperature: 0°C~+50°C</li> <li>• Operating Humidity: 10 to 90% (Non-Condensing)</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>• CE/FCC</li> </ul>

## Applications



## Ordering information

- |                             |  |
|-----------------------------|--|
| <b>RP-G83240IX-4F-S</b>     | 24-P Gigabit + 4-SFP (1G/2.5G/10G) slot L2+ Managed Switch                       |
| <b>RP-G83240IX-4F-S-2AC</b> | 24-P Gigabit + 4-SFP (1G/2.5G/10G) slot L2+ Managed Switch,<br>2 AC power supply |