## RP-G83480IX-4F

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

RP-G83480IX-4F is a Layer 2+ managed PoE switch, It offers 48 gigabit PoE ports and 4 1G/2.5G/10G SFP slots. The switch provides full Gigabit access and exceptional scalability, offering impressive 10G performance. With a switching capacity of 336 Gbps, it delivers high-density performance and includes Layer 3 static routing capabilities.

RP-G83480IX-4F provides comprehensive end to end QoS as well as flexible and rich management, security settings, which can meet the high speed, secure and smart requirement for small and medium-size enterprise networks based on cost effective price. The powerful network security features make the RP-G83480IX-4F perform effective data traffic control for ISP and enterprise VoIP, video streaming, and multicast applications.

RP-G83480IX-4F excels in network security, enabling effective data traffic control for Internet Service Providers (ISPs) and enterprises. It efficiently manages VoIP, video streaming, and multicast applications. For SMBs looking to deploy Power over Ethernet networks or enhance data security and network traffic management, the switch offers an affordable, safe, and reliable power solution.

## Features

- 4*1G/2.5G/10GSFP+ ports uplink, 48 *10/100/1000BASE-T Gigabit Ethernet RJ45 ports downlink, 1* RJ45 console interface for switch basic management and setup
- Layer 3 features: Supports IPv4/IPv6 static routing, DHCP server
- Port aggregation: Supports GE ports, 2.5GE and 10GE port aggregation, static and dynamic aggregation
- VLAN : Supports access, truck , hybrid mode and VLAN classification, including the Mac based VLAN, IP based VLAN and protocol based VLAN
- QinQ: Supports port-based, VLAN-based and flow-based QinQ
- Port Mirroring: Many to one port mirroring
- Layer 2 ring network protocol: Supports STP, RSTP, MSTP, G.8032 ERPS protocol, single ring, sub ring
- Multicast: Supports IGMP snooping

- QoS: QoS class, remarking, Supports SP, WRR queue scheduling, Ingress/Engress port-based rate-limit and policy-based QoS
- Security: 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
- Management : Supports LLDP, user management and login authentication; SNMPV1/V2C/V3; web management，HTTP1.1，HTTPS; Syslog and alarm grading ; RMON (Remote Monitoring) alarm, event and history record; NTP, temperature monitoring; Ping、Tracert and optical transceiver DDM function; Supports TFTP Client, Telnet Server, SSH Server and IPv6 Management
- Firmware update, configure backup/restore through Web GUI, FTP and TFT

## Specifications

| Standards | <ul><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> |
|---|---|
| Interface | <ul><li>48 x 10/100/1000Base-T RJ45 ports</li><li>4 x 1G/2.5G/10GBase-X SFP+</li></ul> |
| Management port | <ul><li>1 x RJ45 Console port</li></ul> |
| Switching capacity | <ul><li>336Gbps</li></ul> |
| Packet forwarding rate | <ul><li>499.9Mpps</li></ul> |
| MAC address table | <ul><li>16K</li></ul> |
| Buffer | <ul><li>12M bit</li></ul> |
| **Layer 2 function** | |
| Port aggregation | <ul><li>Support gigabit port, 2.5GE and 10GE port aggregation</li><li>Support static and dynamic aggregation</li></ul> |
| Port features | <ul><li>Support IEEE802.3x flow control, Port traffic statistics, port isolation</li><li>Support network storm suppression based on port bandwidth percentage</li></ul> |
| VLAN | <ul><li>Support access, trunk and hybrid mode</li></ul> |
| VLAN Classification | <ul><li>Mac Based VLAN</li><li>IP Based VLAN</li><li>Protocal Based VLAN</li></ul> |

| | |
|---|---|
| **QinQ** | • Basic QinQ (Port-based QinQ)<br>• Flexible Q in Q(VLAN-based QinQ)<br>• QinQ(Flow-based QinQ) |
| **Port mirroring** | • Many to one (Port Mirroring) |
| **Ring network protocol** | • Support STP、RSTP、MSTP<br>• Support G.8032 ERPS protocol，single ring, sub ring and other ring |
| **DHCP** | • DHCP Client<br>• DHCP Snooping |
| **ARP** | • ARP table aging |
| **IPv4/IPv6** | • Static routing |
| **Multicast** | • IGMP snooping |
| **ACL** | • IP Standard ACL<br>• MAC extend ACL<br>• IP extend ACL |
| **QoS** | • Support QoS Class, Remarking<br>• Support SP, WRR queue scheduling<br>• Ingress Port-based Rate-limit<br>• Egress Port-based Rate-limit<br>• Support Policy-based QoS |
| **Security** | • Support Dot1x，port authentication，MAC authentication，RADIUS service<br>• Support port-security<br>• Support IP Source Guard，IP/Port/MAC binding<br>• Support ARP-check and ARP packet filtering for illegal users<br>• Support port isolation |
| **Management & maintenance** | • Support LLDP<br>• Support user management and login authentication<br>• Support SNMPV1/V2C/V3<br>• Support web management, HTTP1.1, HTTPS<br>• Support Syslog and alarm grading<br>• Support RMON(Remote Monitoring) alarm, event and history record<br>• Support NTP<br>• Support temperature monitoring<br>• Support Ping, Tracert<br>• Support optical transceiver DDM function<br>• Support TFTP Client<br>• Support Telnet Server<br>• Support SSH Server<br>• Support IPv6 Management<br>• Support FTP, TFTP, WEB upgrading |
| **Mechanical structure** | |
| **Power supply** | • VAC input<br>• Rated voltage range: 100-240V |

| | ● Frequency: 50/60Hz |
|---|---|
| **Fan** | ● Support fan speed control |
| **Power** Consumption | ● ≤40W |
| **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 300 x 44mm (W*D*H) |
| **Environment** | ● Operating temperature: 0°C~+50°C<br>● Operating Humidity: 10 to 90% (Non-Condensing) |
| **Certification** | ● CE/FCC |

# Application
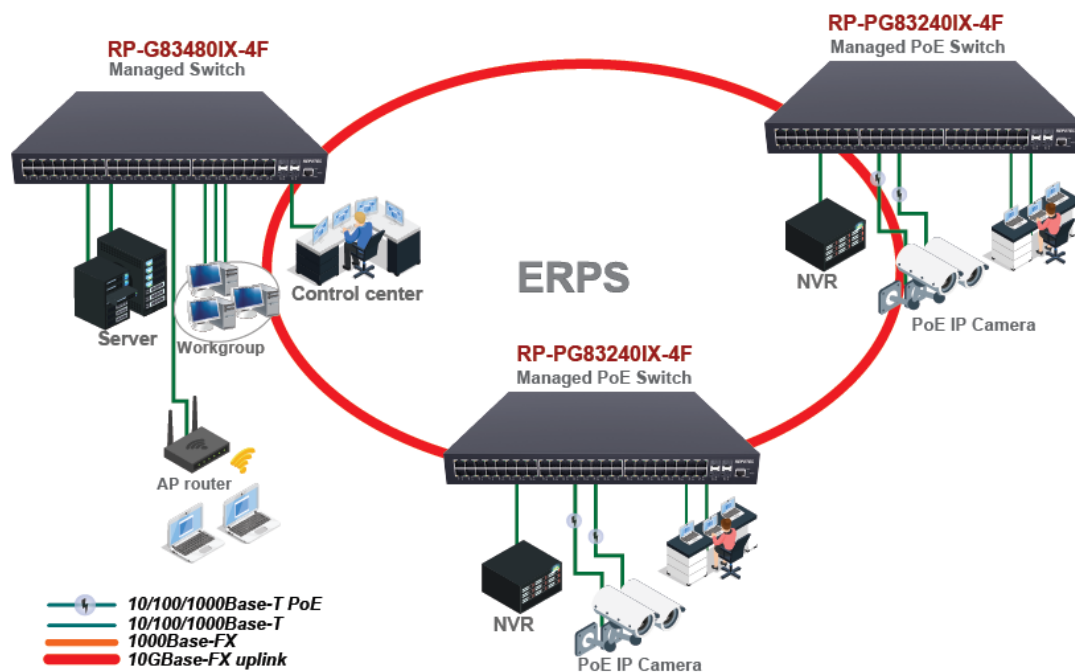


# Ordering information

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