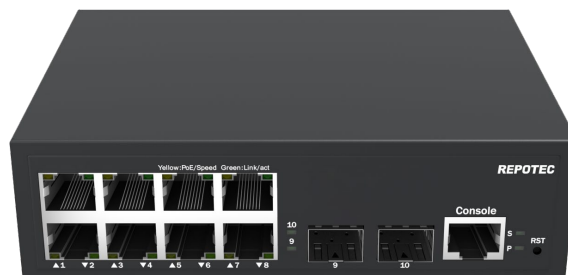


RP-PG83080IX-2F

8-P Gigabit + 2-SFP(1G/2.5G/10G) slot L2+ Managed PoE Switch



RP-PG83080IX-2F is a Layer 2 gigabit managed PoE switch with 8-port 10/100/1000Base-T RJ45 PoE ports and 2*1G/2.5G/10G SFP ports. Its powerful Layer 2 management and high-performance switching offer a cost-effective Gigabit Ethernet solution for enterprise networks.

RP-PG83080IX-2F supports Power over Ethernet (PoE) applications. With a total power capacity of up to 120 watts, it can efficiently power various PoE devices, making it a quick, safe, and cost-effective PoE network solution for both small businesses and enterprises. Its comprehensive QoS features ensure prioritization and smooth data traffic management, while the rich management provide administrators with the flexibility to tailor the network to their specific requirements, bolstering overall data security.

With its comprehensive QoS, flexible management, and enhanced security settings, as well PoE support, the RP-PG83080IX-2F is an excellent choice for modern enterprise networks. It delivers reliable and cost-effective Gigabit Ethernet capabilities to meet the evolving demands of businesses adopting advanced IT technologies.

Features

- Complies with IEEE 802.3at, IEEE 802.3af. Max output power: 30W (PoE+).
- Smart and standard PoE chipset for automatic PD equipment detection, preventing damage.
- Layer 3 features: Supports IPv4/IPv6 static routing, DHCP server
- Port aggregation: Supports GE ports, 2.5GE port aggregation, 10GE port aggregation, static and dynamic aggregation
- VLAN : Supports access, trunk , 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/Egress 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 、Traceroute and optical transceiver DDM function; Supports TFTP Client, Telnet Server, SSH Server and IPv6 Management; PoE management
- Firmware update, configure backup/restore through Web GUI, FTP and TFTP

Specifications

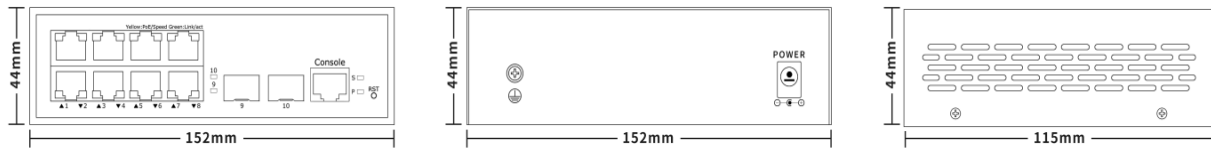
Standard	• IEEE 802.3 10Base-T Ethernet • IEEE 802.3u 100Base-TX Ethernet • IEEE 802.3ab 1000Base-T Ethernet • IEEE 802.3z 1000Base-X Ethernet • IEEE802.3x Flow Control and Back Pressure • IEEE 802.1D Spanning Tree Protocol • IEEE 802.1w Rapid Spanning Tree Protocol • IEEE 802.1Q VLAN • ITU-T G.8032 ERPS • IEEE 802.1X Port Authentication Network Control • IEEE 802.1ab LLDP • IEEE 802.3ad LACP • IEEE 802.3af, IEEE 802.3at	
Interface	• 8*10/100/1000Base-T RJ45 PoE • 2*1000/2500/10GBase-X SFP	
Management port	• 1*RJ45 Console port (115200,8,N,1)	
LED Indicators		
P (Power indicator)	• Off: the device is power off or failed	• On: the device power on is normal
S (System status indicator)	• Blinking: device initialization	• On: device on normal operation
1-8 (Copper ports indicators) Green	• Off: ports link down	
	• On: ports link up	
	• Blinking: data on TX/RX	
1-8(PoE status indicators) Yellow	• Off: PoE not working	
	• On: PoE working	
9-10 (Fiber ports indicators) Green	• Off: ports link down	
	• On: ports link up	
	• Blinking: data on TX/RX	

Power parameter	
Input voltage	• DC 52V
Total power consumption	• Full loading ≤120W
Over-current protection	• Support
Layer 2 functions	
Port aggregation	• Support GE port aggregation • Support 2.5GE aggregation • Support 10GE aggregation • Support static aggregation • Support LACP dynamic aggregation • Up to 64 aggregation groups and up to 8 ports per group
Port features	• Support IEEE802.3x flow control • Support interface counters • Support port isolation • Port mirroring (One-to-One, Many-to-One) • Support loop detection (Port-based; VLAN-based) • Support broadcast storm suppression (broadcast; unknown multicast; unknown unicast)
Mac-address table management	• Support static Mac-address management • Support dynamic Mac-address Management • Support filtering Mac-address • Support MAC limit based on port and VLAN • Support MAC flapping based on port and VLAN
VLAN	• Support access mode • Support trunk mode • Support hybrid mode
VLAN classification	• Mac Based VLAN • IP Based VLAN • Protocol Based VLAN
GVRP	• Normal mode • Fixed mode • Forbidden mode
QinQ	• Port-based QinQ • VLAN-based QinQ (VLAN-stacking; VLAN-mapping) • Flow-based QinQ
LLDP	• LLDP (Link Layer Discovery Protocol)
Ring network protocol	• Support IEEE802.1D-STP • Support IEEE802.1W-RSTP • Support IEEE802.1S-MSTP
	• Support G.8032 ERPS protocol, single ring, sub Ring and major ring • Recovery time ≤20ms
L2 Multicast	
IGMP snooping	• Support IGMP snooping
Group address	• Support group address
Security functions	

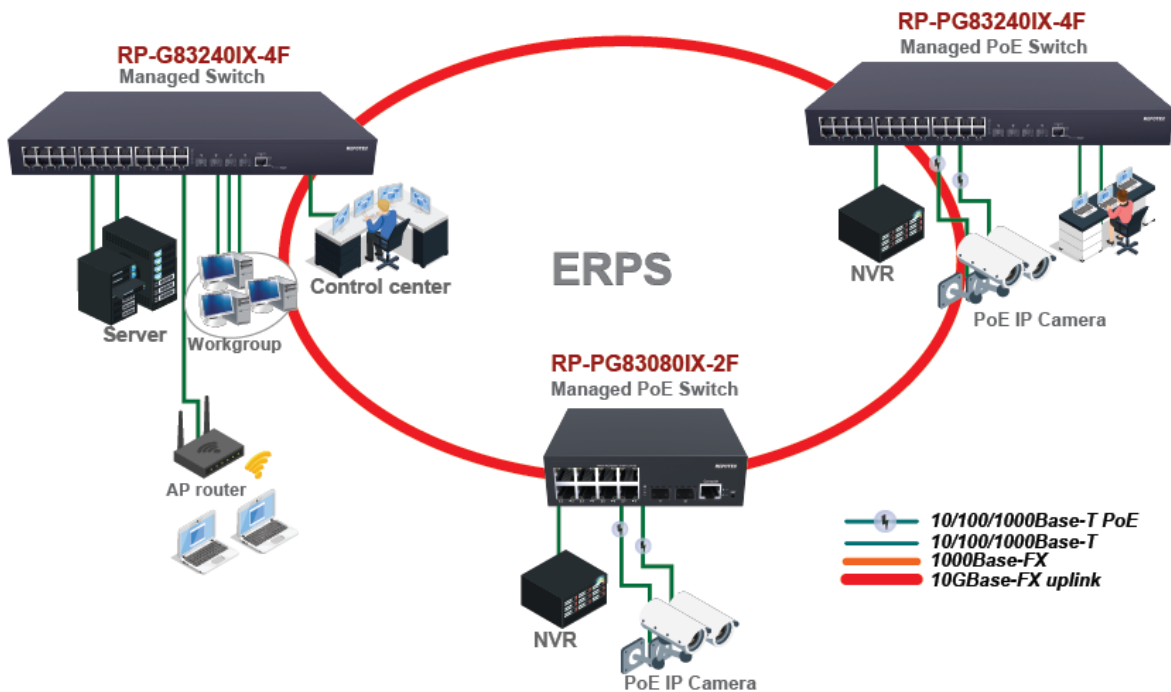
ACL	• IP Standard ACL • MAC extend ACL • IP extend ACL • IPv6 ACL
QoS	• Support QoS Class, remarking • Support SP, WRR queue scheduling • Ingress port-based rate-limit • Egress port-based rate-limit • Support policy-based QoS
802.1x	• Port access control • Mac-address access control • RADIUS server
Port-security	• Port-security
IP source guard	• IP Port/MAC binding
ARP-check	• Support ARP-check and ARP packet filtering for illegal users
Access control	• Support Telnet/SSH/HTTP/HTTPS user access control
Management & Maintenance functions	
User Management	• Support password protection • Support user authorization management
SNMP	• Supporting SNMP V1/V2C/V3 version
Web Management	• Web Management • Support HTTP V1.1 • Support HTTPS
CLI management	• Console/Telnet command line management
RMON	• Support RMON(Remote Monitoring) alarm
Firmware upgrade	• Firmware upgrade
Fault Detection	• Ping/Traceroute • Support optical transceiver DDM function
Cable detection	• Support copper port cable detection
PoE management	• Support 802.3af/802.3at • Support PD watchdog • Support PoE priority management • Support Max PoE power configuration for each port • Support alarm threshold configuration • Support reserved power configuration
NTP	• Network Time Protocol
Syslog/Debug	• Syslog/Debug • Syslog send to three servers
Configuration import/export	• Support FTP/TFTP remote import/export
Dual partition management	• Support dual partition switching
Application Protocol Functions	
DHCP Snooping	• DHCP snooping trust port • Support remote-id/circuit-id configuration

	DHCP option-82
DHCP client	Support DHCP client
Telnet server	Support telnet server
Telnet client	Support telnet client
SSH server	Support SSH server
TACACS	Support TACACS(the terminal access controller accesses the control system)
sflow	Support network traffic analysis
TFTP	Support TFTP Client
Layer 3 functions	
ARP	ARP table aging
DHCP server	
IPv4 / IPv6	static routing
Switching features	
Switching capacity	56Gbps
Packet forwarding rate	83.3Mpps
MAC address table	16K
VLAN	4K
Buffer	12Mbit
Forwarding delay	<5us
Jumbo Frame	Support 10Kbytes
MDX/MIDX	Support
Watchdog	Support
Mechanical structure	
Installation method	Desktop, Rack-mount optional
Dimension(W*D*H)mm	152*115*44mm
Operating environment	
Operating temperature	0°C~+50°C
Storage/transportation temperature	-10°C~+70°C
Relative humidity	- Operation humidity: 10%-90%RH - Storage humidity: 5%-95%RH
Certification	CE/FCC

Dimension



Application



Ordering information

RP-PG83080IX-2F 8-P Gigabit + 2-SFP(1G/2.5G/10G) slot L2+ Managed PoE Switch

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