

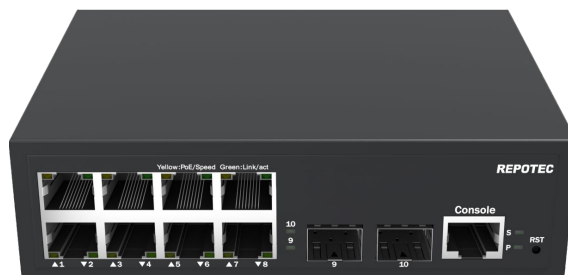
RP-G83080I-2F

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

RP-G83080I-2F is a Layer 2+ fully managed gigabit switch designed for small to medium-sized enterprise networks. It features 8× 10/100/1000Base-T RJ45 ports and 2× 1G/2.5G SFP slots, delivering high-performance switching with wire-speed data transmission.

With Layer 3 static routing, VLAN flexibility, and advanced QoS, RP-G83080I-2F ensures efficient traffic management for VoIP, video conferencing, and enterprise applications. Robust security features, including 802.1X, RADIUS, and port security, help safeguard network integrity.

RP-G83080I-2F supports comprehensive management tools such as SNMP, web-based UI, CLI, and IPv6 support enable easy configuration and monitoring. It also supports firmware updates, configuration backup/restoration, and redundancy protocols for a reliable, cost-effective networking solution.



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.
- Firmware update, configure backup/restore through Web GUI, FTP and TFTP

Specifications

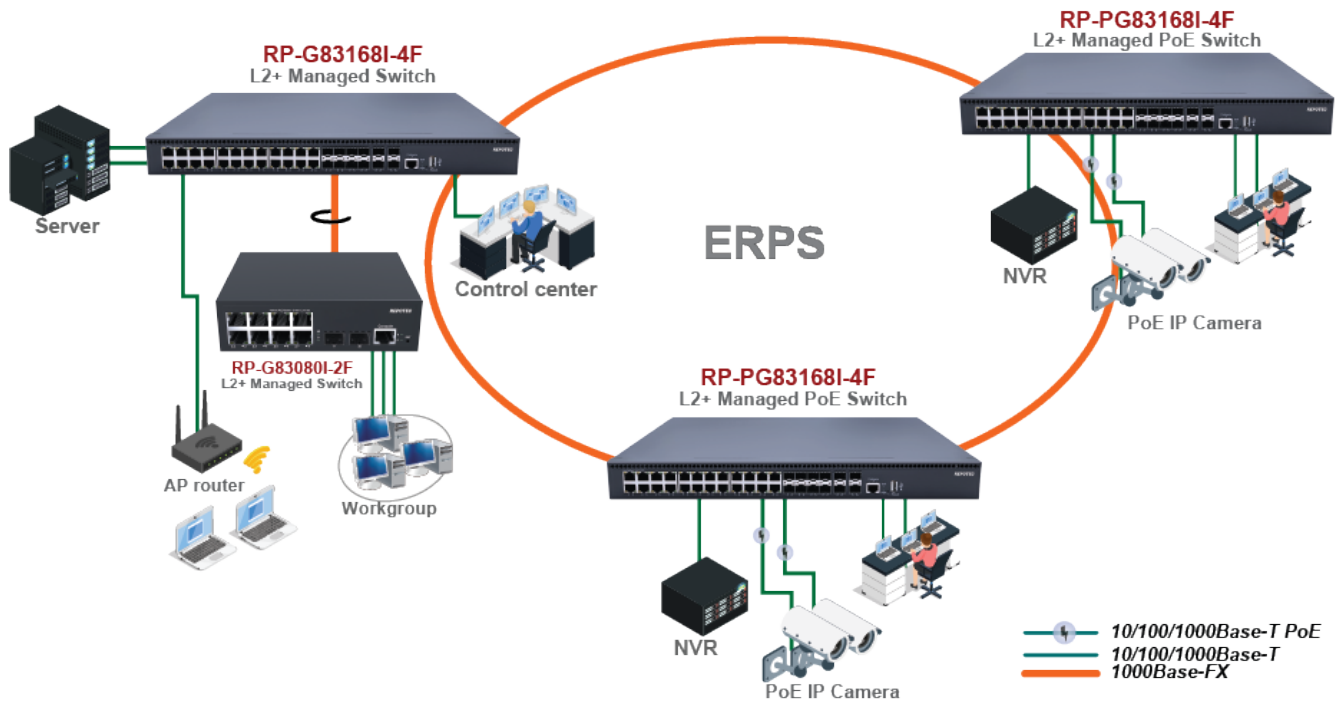
Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Ethernet IEEE 802.3ab 1000Base-T Ethernet IEEE 802.3z 1000Base-X Ethernet IEEE802.3x Flow Control and Back Pressure IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1Q VLAN ITU-T G.8032 ERPS IEEE 802.1X Port Authentication Network Control IEEE 802.1ab LLDP IEEE 802.3ad LACP	
Interface	8*10/100/1000Base-T RJ45 2*1000/2500Base-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 (Copper speed indicators) Yellow	Off: ports on 10/100M	
	On: ports on 1000M	
9-10 (Fiber ports indicators) Green	Off: ports link down	
	On: ports link up	
	Blinking: data on TX/RX	
Power parameter		
Input voltage	DC input 5-16V	
Total power consumption	Full loading ≤10W	
Over-current protection	Support	
Layer 2 functions		

Port aggregation	Support GE port aggregation Support 2.5GE 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 ≤ 20 ms
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/Tracerout Dying gasp Support optical transceiver DDM function
Cable detection	Support copper port cable detection
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	26Gbps
Packet forwarding rate	38.6Mpps
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
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

Application



Ordering information

RP-G83080I-2F 8-P Gigabit + 2-SFP(1G/2.5G) slot L2+ Managed Switch

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