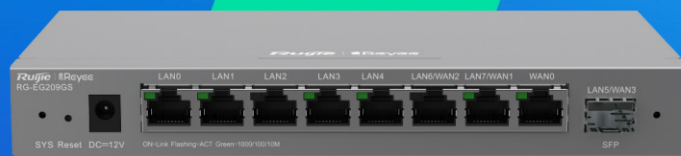


RG-EG209GS

Reyee 9-Port Gigabit Cloud Managed SFP Router



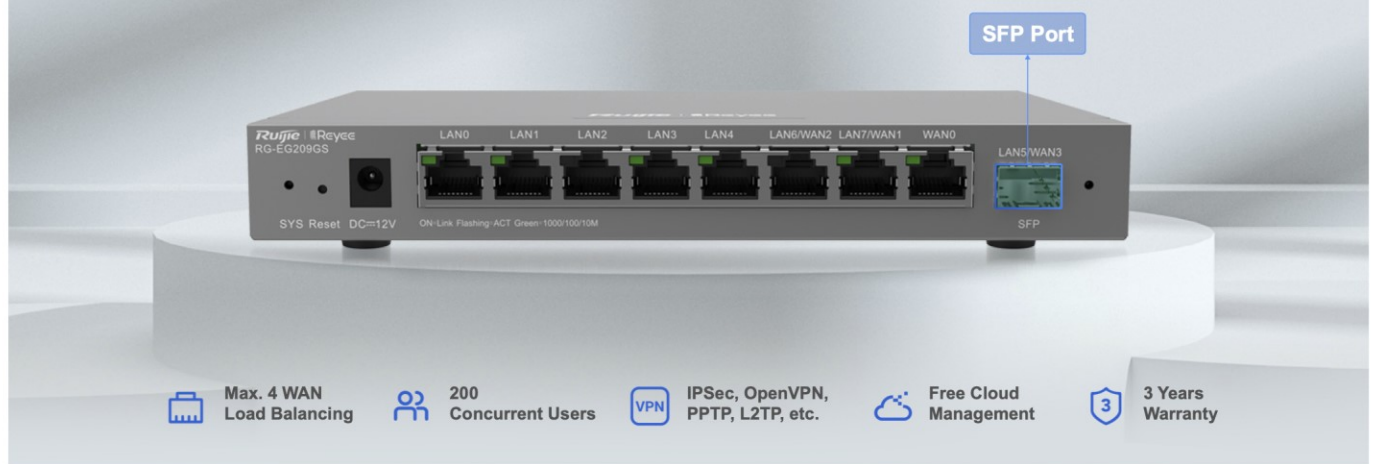
Highlights

- LAN/WAN switchable SFP port for adding optical fiber connectivity.
- User-friendly configuration and ease of use.
- Intelligent load balancing and link redundancy between multiple WAN ports.
- Efficient bandwidth management based on applications and users.
- Customized portal page, what you see is what you get.

Highlight Features

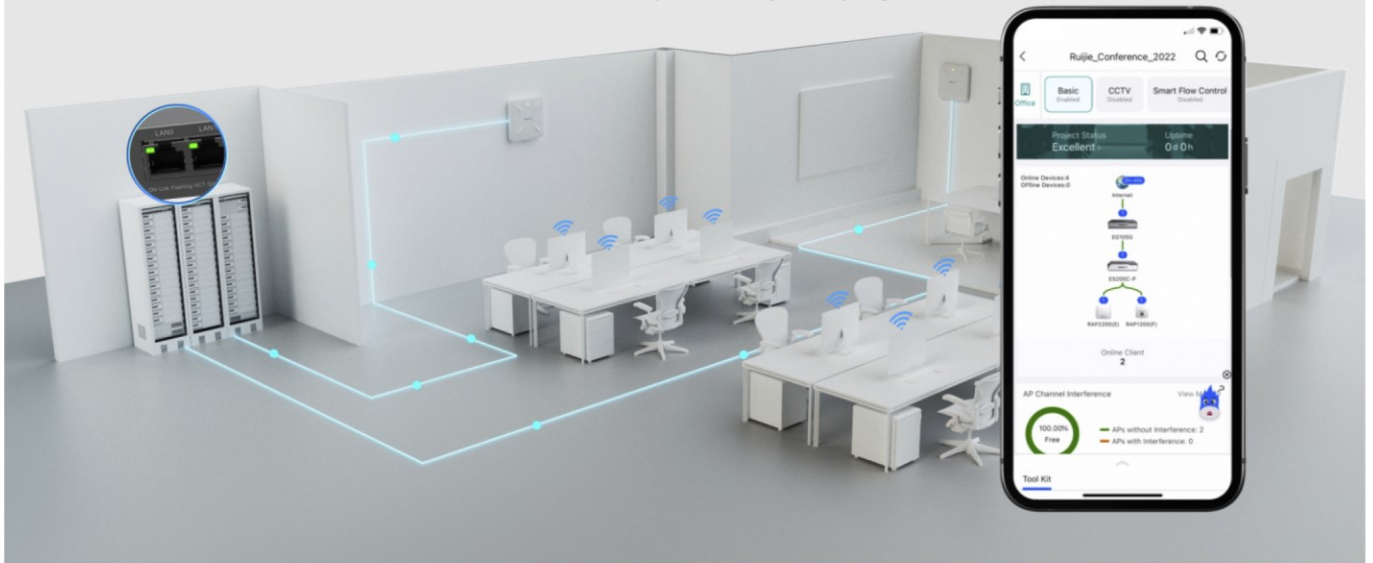
Simplified and Powerful

LAN/WAN switchable SFP port for adding optical fiber connectivity.



User Friendly Configuration, Easy to Learn

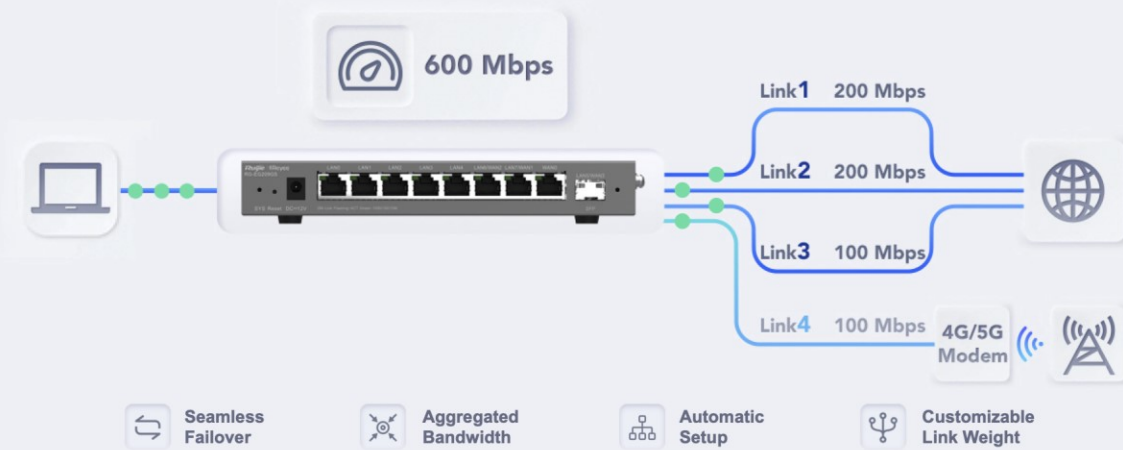
Even for advanced functions, set-up can be easily done by Ruijie Cloud APP.



Highlight Features

Unbreakable Multi-WAN Internet

Intelligent load balancing and link redundancy between multiple WAN ports

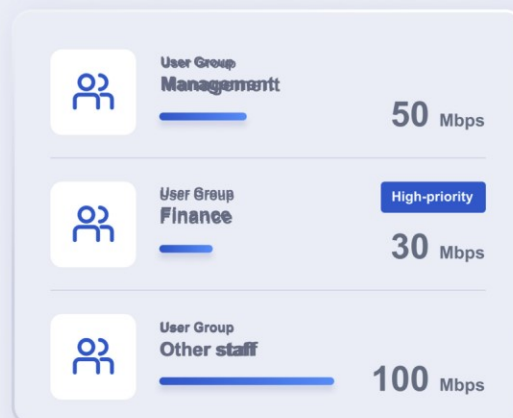


New Efficient Way of Bandwidth Management

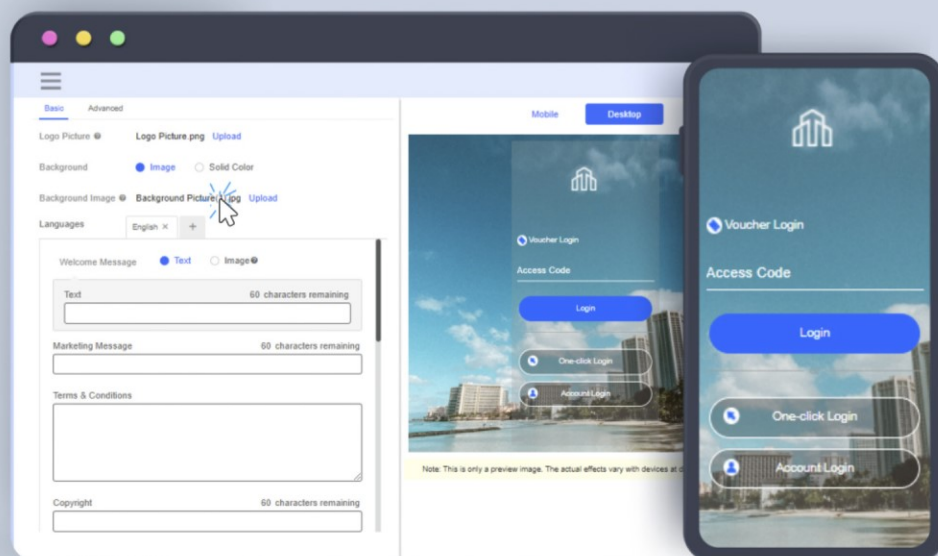
Application Based Bandwidth Management



User Based Bandwidth Management



Customize Portal Page, What You See is What You Get



Highlight Features

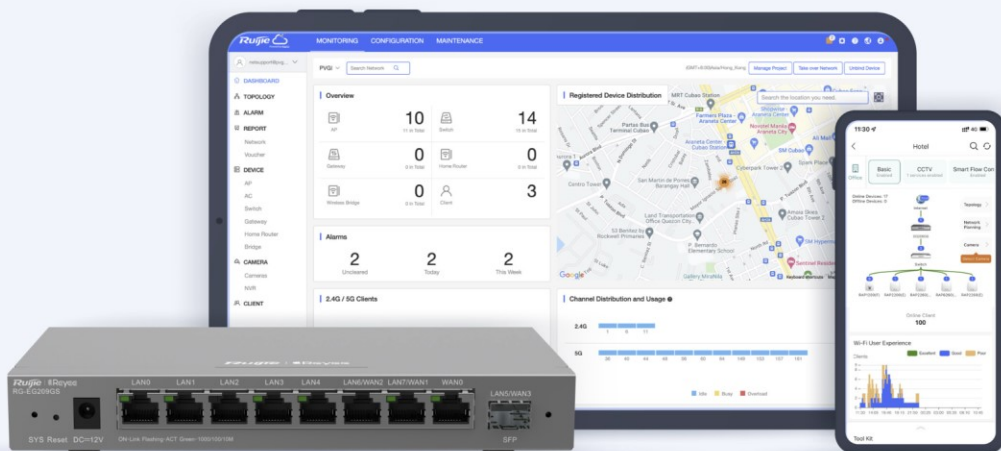
Secure Access Internal Device Remotely

No matter dynamic or even private IP on gateway WAN port,
Securely monitoring the NVR/IPC/Internal Server anytime from anywhere .



Cloud, Make Your Business Easy

- Self-organizing Network
- Centralized Network Management
- Scenario Based Configuration
- Cloud Portal Authentication
- Remote Monitoring and Maintenance



/ Hardware Specifications

Model	RG-EG209GS
Port Specifications	
Total number of optical ports	1
Total number of RJ45 ports	8
Number of 10/100/1000BASE-T ports	8
Number of 1GE SFP ports	1
Maximum number of LAN ports	8
Maximum number of WAN ports	4
Number of fixed LAN ports	5
Number of fixed WAN ports	1
Number of LAN/WAN ports	3
LEDs	1 x system status LED 9 x Ethernet port LEDs
Reset button	1
System Specifications	
CPU	Dual-core processor, 880 MHz clock frequency per core
Flash memory	32 MB
RAM	256 MB
Power Supply and Consumption	
Power supply	DC power adapter
Dimensions of the DC connector	Outer diameter: 5.5 mm (0.22 in.) Inner diameter: 2.1 mm (0.08 in.) Depth: 10.0 mm (0.39 in.)
Maximum power consumption	18 W
Dimensions and Weight	
Package dimensions (W x D x H)	610 mm x 370 mm x 335 mm (24.02 in. x 14.57 in. x 13.19 in.)
Product dimensions (W x D x H)	202 mm x 108 mm x 28 mm (7.95 in. x 4.25 in. x 1.1 in.)

/ Hardware Specifications

Model	RG-EG209GS
Shipping weight	1.05 kg (2.31 lbs)
Weight	0.98 kg (2.16 lbs)
Environment and Reliability	
Cooling	Natural cooling
Fan	Fanless design
Mounting options	Desk
Operating humidity	10% RH to 90% RH (non-condensing)
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage humidity	5% RH to 95% RH (non-condensing)
Storage temperature	−40°C to +70°C (−40°F to +158°F)
Surge protection	Service port: ±4 kV for common mode Power connector: ±4 kV for common mode and ±4 kV for differential mode

Software Specifications

Model	RG-EG209GS
System Performance Capacity	
Maximum number of concurrent sessions	60000
Recommended number of concurrent clients	200
Throughput	1000 Mbps (Turbo Mode) 600 Mbps (Normal Mode)
Basic Configurations	
AC mode	Yes
Automatically identifying the Internet access mode and obtaining IP addresses	Yes
Automatically learning the PPPoE username and password of other routers	Yes
Configuration backup	Yes
Internet access mode	Static IP address Static IPv6 address Dynamic IP address Dynamic IPv6 address PPPoE
Local upgrade	Yes
Log upload	Yes
Online upgrade	Yes
Restoring factory defaults	Yes
System language	Turkish, Arabic, Vietnamese, Thai, Indonesian, Latin American Spanish, Brazilian Portuguese, Russian, French, German, European Spanish, Italian, and Polish.
Authentication	
Portal authentication	Yes
One-click authentication	Yes
Password authentication	Yes

Software Specifications

Model	RG-EG209GS
SMS-based authentication	Yes
Voucher authentication supported by Ruijie Cloud portal page	Yes
Cloud portal authentication	Yes
Local portal authentication	Yes
QR code authentication	Yes
Custom portal page	Yes
Account-based authentication supported by Ruijie Cloud portal page	Yes
CHAP, MS-CHAPv1, MS-CHAPv2	Yes
Delivery through Ruijie Cloud portal page	Yes
802.1X authentication	Yes
MAC address-based authentication	Yes
PPPoE server	Yes
Number of accounts supported by the PPPoE server	100
Number of concurrent clients supported by the PPPoE server	65
PAP	Yes
RADIUS authentication	Yes
RADIUS client	Yes
RADIUS accounting based on time or traffic	Yes
RADIUS flow control authorization	Yes
RADIUS proxy server	Yes
RADIUS traffic quota authorization	Yes

Software Specifications

Model	RG-EG209GS
RADIUS user group authorization	Yes
Third-party authentication	Yes
Ethernet Interface	
Avoiding IP address conflicts on WAN interfaces	Yes
Load balancing	Yes
MAC address cloning	Yes
Multiple WAN interfaces on the same network segment	Yes
PPPoE clients	Yes
Scheduled PPPoE reconnection	No
Ethernet Switching	
Configuring multiple VLANs upon configuration delivery	No
Link aggregation	No
LLDP	No
VLAN	Yes
VLAN configuration supported on LAN ports	Yes
Super-VLAN	No
Configuring the same VLAN tag for multiple WAN ports	No
VLAN priority	Yes
Gateway Features	
WAN failover	Yes
Application priority	Yes
Application recognition	Yes

Software Specifications

Model	RG-EG209GS
Behavior management	Yes
Flow control	Yes
Time-based blocking policy	Yes
IP address-based blocking policy	
Website filtering: custom URL	Yes
Traffic audit	Yes
URL audit log	Yes
Audit log server	Yes
Audit log storage	No
Uploading audit logs to a server	Yes
IP Routing	
Application-based routing	No
Bandwidth aggregation	Yes
BGP	Yes
BGP4	Yes
BGP4+	Yes
ECMP	No
IPv4 static route	Yes
IPv6 PBR	Yes
IPv6 static route	Yes
IS-ISv4	No
IS-ISv6	No
Load balancing based on flows	Yes
Load balancing based on source IP addresses	Yes

Software Specifications

Model	RG-EG209GS
Load balancing based on the interface weight	Yes
OSPFv2	Yes
OSPFv3	Yes
RIP	Yes
RIPng	Yes
IP Service	
3322.org	Yes
ALG	Yes
ARP binding	Yes
Maximum number of ARP entries	1024
Proxy ARP	No
Cloudflare	Yes
DHCP client	Yes
DHCP server	Yes
DHCP relay	No
Option 43	Yes
Option 138	Yes
Static/Dynamic NAT	Yes
NAT-PT	No
NAT loopback	Yes
DNS client	Yes
DNS proxy	Yes
DNS server	Yes

Software Specifications

Model	RG-EG209GS
No-IP DNS	Yes
GRE tunnel	No
IPTV	Yes
IPv4 ping	Yes
IPv6	Yes
IPv6 ping	Yes
Number of port mapping entries	256
Port mapping	Yes
DDNS	Yes
Ruijie DDNS	Yes
Alibaba Cloud DDNS	Yes
UPnP	Yes
Network Management and Monitoring	
Web management	Yes
Ruijie Cloud management	Yes
Management on Ruijie Reyee App	Yes
Remotely monitoring devices through Ruijie Reyee App	Yes
Restarting devices through Ruijie Reyee App	Yes
Upgrading device software version through Ruijie Reyee App	Yes
Fault diagnosis	Yes
FTP client (IPv4 address)	No
FTP server (IPv4 address)	No
TFTP client (IPv4 address)	Yes

Software Specifications

Model	RG-EG209GS
TFTP server (IPv4 address)	No
HTTPS login	Yes
NTP client	Yes
NTP server	No
Scheduled device restart	Yes
SNMPv1, v2c, and v3	Yes
SON	Yes
SSH	No
Telnet	No
Web login information	Default IP Address: 192.168.110.1 Default Password: admin
Maximum number of managed devices (router mode)	AP and NBS series: 150 ES series: 128 Note: The maximum number of managed devices varies with each device series.
Maximum number of managed devices (AC mode)	AP and NBS series: 500 ES series: 128 Note: The maximum number of managed devices varies with each device series.
Reliability	
Stacking	No
VRRP	No
SD-WAN	
SD-WAN	Yes
SD-WAN performance	80 Mbps
Number of tunnels supported by SD-WAN	24
Maximum number of SD-WAN branches	8

Software Specifications

Model	RG-EG209GS
Active/Standby mode (automatically switching to the standby interface when the active interface fails)	Yes
Bypass networking for a device in AP mode	No
Centralized traffic forwarding policy	Yes
Security	
ACL	Yes
DHCP snooping	No
Malformed packet attack defense	Yes
Fragmentation attack defense	No
Teardrop attack defense	Yes
LAND attack defense	Yes
SYN flood attack defense	Yes
Smurf attack defense	Yes
IP attack defense	Yes
Disabling ping	Yes
Stateful firewall	Yes
IP-MAC binding	Yes
Network sharing prevention	Yes
Security log	Yes
Security zone	Yes
User group-based connection limiting	Yes
VPN	
IPsec VPN	Yes

Software Specifications

Model	RG-EG209GS
IPsec VPN bandwidth	28 Mbps
Maximum number of branches in IPsec VPN networking	8
L2TP VPN	Yes
L2TP VPN bandwidth	130 Mbps
Maximum number of branches in L2TP VPN networking	8
OpenVPN	Yes
OpenVPN bandwidth	20 Mbps
Maximum number of branches in OpenVPN networking	16
PPTP VPN	Yes
PPTP VPN bandwidth	190 Mbps
Maximum number of branches in PPTP VPN networking	8
SSL VPN	No
Easy VPN 1.0	No
Number of VPN accounts for L2TP, PPTP, and OpenVPN	100
WireGuard server	Yes
WireGuard client	Yes
WireGuard performance	80 Mbps
Number of concurrent tunnels supported by the WireGuard server	8
WLAN	
Maximum number of APs (AC mode)	500
Maximum number of devices that can be managed	128
Wireless Intelligent Optimization (WIO)	Yes

The first part of the paper discusses the importance of understanding the cultural context of the research. It highlights the need for researchers to be sensitive to the values, beliefs, and practices of the communities they are studying. This is particularly important in the field of health research, where cultural differences can significantly impact the effectiveness of interventions.

The second part of the paper focuses on the challenges of conducting research in diverse cultural settings. It explores the difficulties of recruiting participants, obtaining informed consent, and ensuring the ethical integrity of the study. The author argues that researchers must take a proactive approach to these challenges, engaging with community leaders and members from the outset.

The third part of the paper presents a case study of a health intervention in a rural community. It describes the process of identifying the community's needs, developing a culturally appropriate intervention, and evaluating its impact. The case study illustrates the importance of flexibility and adaptability in the research process, as well as the need for ongoing communication and collaboration with the community.

The final part of the paper offers conclusions and recommendations for future research. It emphasizes the need for a more holistic and community-centered approach to health research, one that recognizes the role of culture in shaping health outcomes. The author calls for greater investment in training and support for researchers working in diverse cultural settings, and for the development of new methods and tools that are better suited to these contexts.

Package Contents

Model	RG-EG209GS
Accessories	
Rack-mount bracket	0
Power adapter	1
Rubber pad	4
Manual	
User Manual	1
Warranty Card	1

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