Ruijie | Reyee

RG-EG V3 Series
Reyee Cloud Managed Router

DATASHEET

Highlights

- Multi-WAN Load Balancing
- Captive Portal
- Smart Flow Control
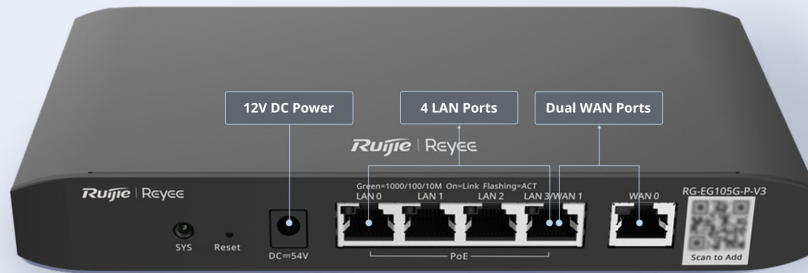- App Block
- VPN Security
- Free Cloud Management

Highlight Features

Simplified and Powerful

Powerful features for small networks, easier configuration than ever.

Interface | Installation

12V DC Power | 4 LAN Ports | Dual WAN Ports

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Green=1000/100/10M On=Link Flashing=ACT
LAN 0 LAN 1 LAN 2 LAN 3/WAN 1 WAN 0 RG-EG105G-P-V3

SYS Reset DC=54V PoE Scan to Add

| Dual WAN Load Balancing | VPN IPSec, OpenVPN, PPTP, L2TP, etc. | Captive Portal | Free Cloud Management | 3-Year Warranty |

Simplified and Powerful

Powerful features for small networks, easier configuration than ever.

Interface | **Installation**

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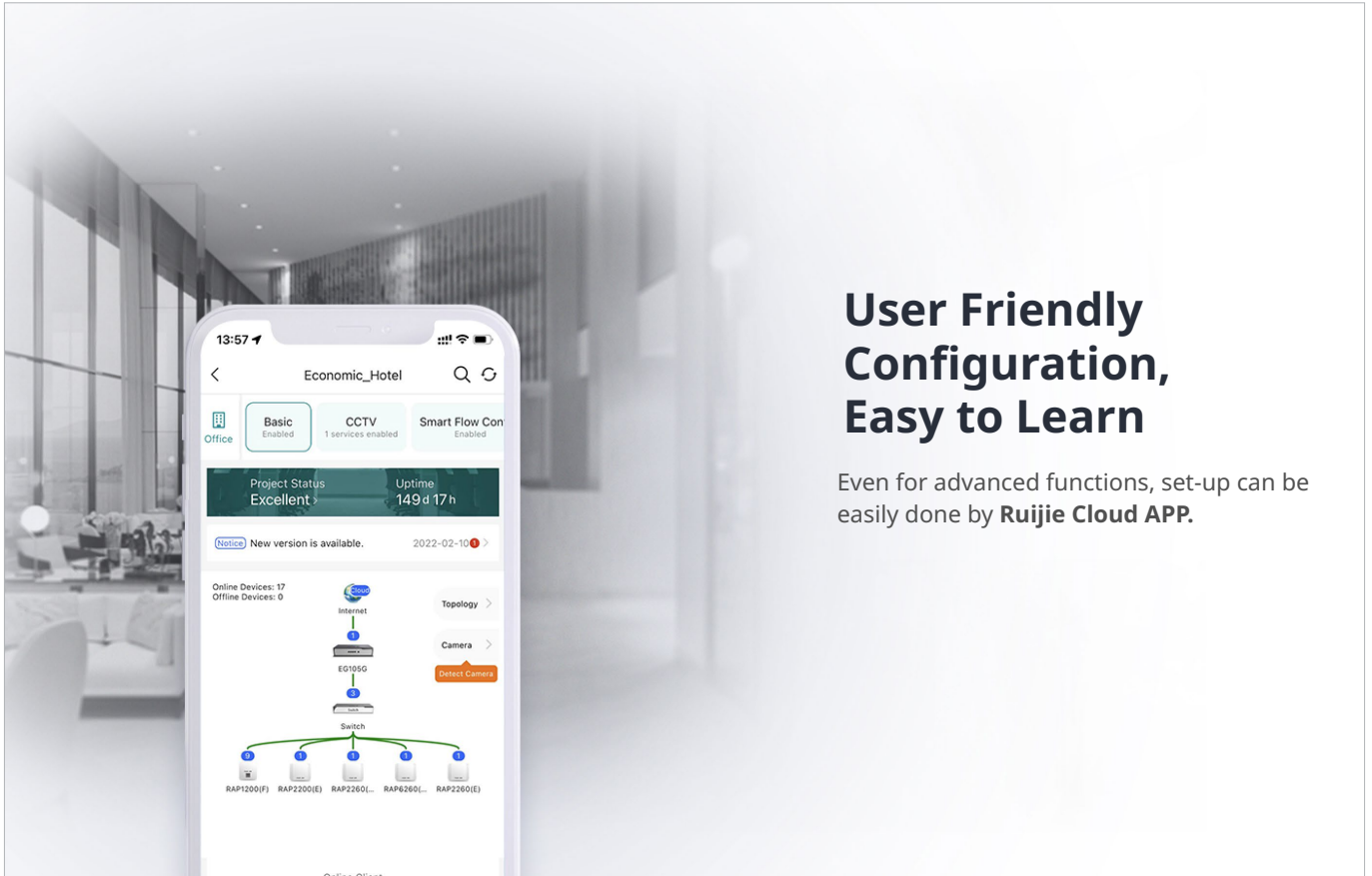| Multi-WAN Load Balancing | VPN IPSec, OpenVPN, PPTP, L2TP, etc. | Captive Porta | Free Cloud Managemen | 3 Years Warranty |

Highlight Features

User Friendly Configuration, Easy to Learn

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

Unbreakable Multi-WAN Internet

Intelligent load balancing and link redundancy between multiple WAN ports

200 Mbps

Link 1   100 Mbps
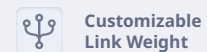
Link 2   100 Mbps
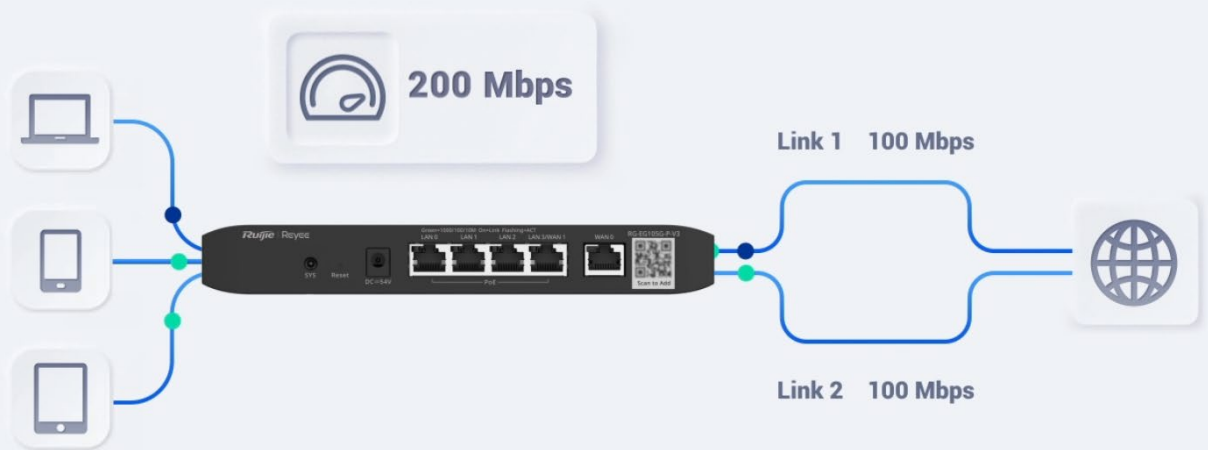
Seamless Failover

Aggregated Bandwidth
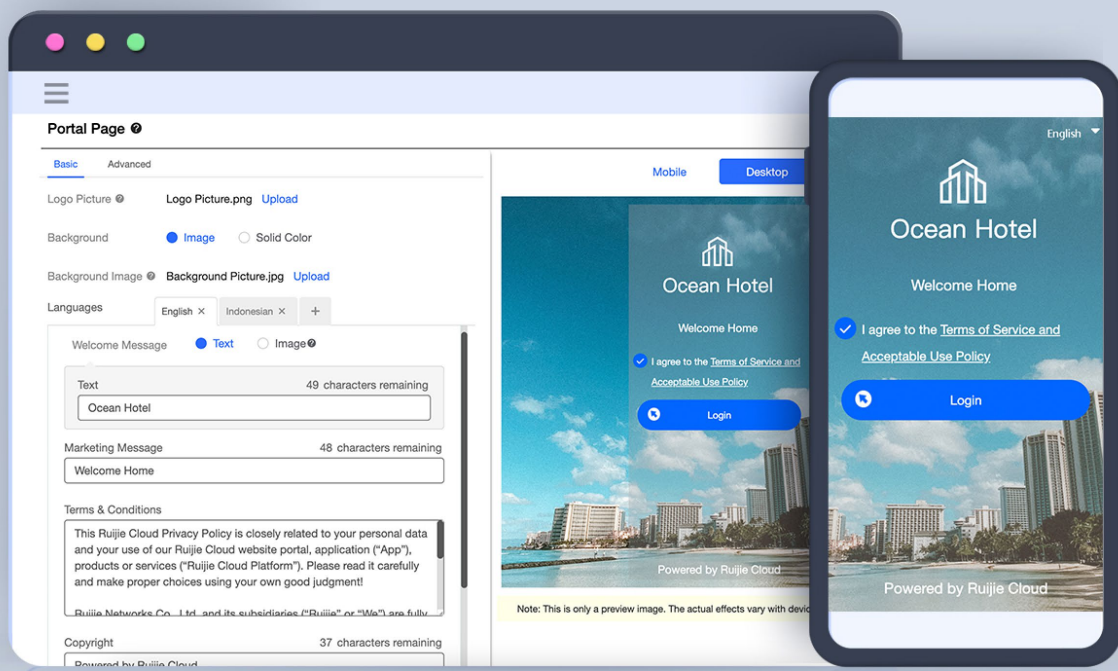
Automatic Setup

Customizable Link Weight

Highlight Features

Easy to Block Applications

Automatically updated APP library, maintenance-free

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
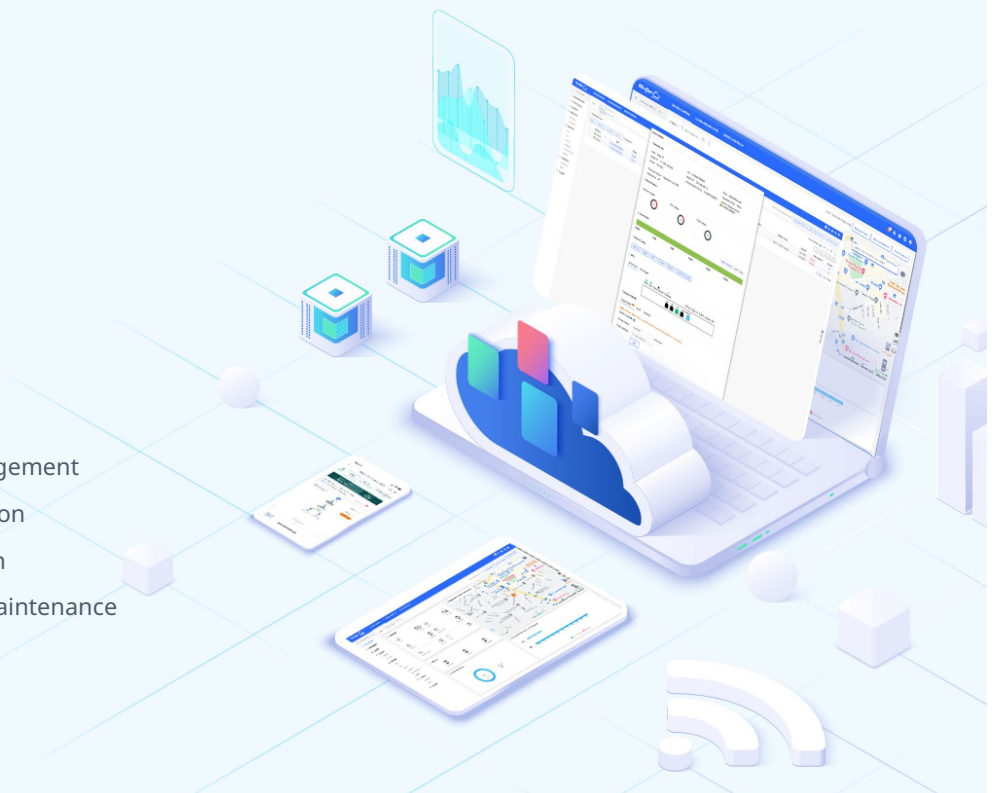
/ Specifications

Model	RG-EG105G-V3	RG-EG105G-P-V3	RG-EG210G-P-V3
Basic			
Number of Fixed WAN Ports	1	1	1
Number of Fixed LAN Ports	3	3	6
Number of WAN Ports	2	2	4
Number of LAN Ports	4	4	9
WAN Port Rate	1x10/100/1000BASE-T Ports	1x10/100/1000BASE-T Ports	1x10/100/1000BASE-T Ports
LAN Port Rate	4x10/100/1000BASE-T Ports	4x10/100/1000BASE-T Ports	9x10/100/1000BASE-T Ports
Number of LAN/WAN Ports	1	1	3
Number of 10/100/1000BASE-T Ports	5	5	10
Number of 10/100/1000/2500BASE-T Ports	N/A	N/A	N/A
Number of 100/1000/2.5G/5G/10GBASE-T Ethernet port	N/A	N/A	N/A
Number of 1 Gbps Optical Ports (SFP)	N/A	N/A	N/A
Number of 10 Gbps Optical Ports (SFP+)	N/A	N/A	N/A
Total Number of RJ45 Ports	5	5	10
Total Number of Optical Ports	N/A	N/A	N/A
Management Port	N/A	N/A	N/A
PoE	N/A	Support AT/AF, 4 LAN ports Support PoE, MAX 54W	Support AT/AF, 8 LAN ports Support PoE, MAX 110W
PoE Standard	N/A	IEEE802.3af，IEEE802.3at	IEEE802.3af，IEEE802.3at
Max. PoE Power Budget	N/A	54W	110W
Max. Number of PoE Ports	N/A	4	8
Max. Power Output per PoE Port	N/A	30W	30W
Dimensions (W x D x H)	206.5mm x 108.5mm x 28mm	206.5mm x 108.5mm x 28mm	202mm x 108mm x 28mm
Net Weight	0.406Kg	0.406Kg	1.48Kg
Hardware Specifications			

Model	RG-EG105G-V3	RG-EG105G-P-V3	RG-EG210G-P-V3
Flash Memory	32MB	32MB	32MB
SDRAM	128MB	128MB	256MB
CPU	880Mhz*2	880Mhz*2	880Mhz x 2
Mounting	Desk-type	Desk-type	Desk-type
LEDs	System: SYS(Green) Per RJ45 Ports: LINK/ACT(Green)	System: SYS(Green) Per RJ45 Ports: LINK/ACT(Green)	System: SYS(Green) Per RJ45 Ports: LINK/ACT(Green)
Reset Buttons	Yes	Yes	Yes
DC Power Connector Size	Outer Diameter: 6.0 mm Inner Diameter: 2.0 mm Length: 10 mm	Outer Diameter: 5.5 mm Inner Diameter: 2.1 mm Length: 10 mm	Outer Diameter: 5.5 mm Inner Diameter: 2.1 mm Length: 10 mm
Cooling	Natural cooling	Natural cooling	Natural cooling
Number of Fans	Fanless	Fanless	Fanless
Airflow	N/A	N/A	N/A
Fan Status Monitoring	N/A	N/A	N/A
Operating Temperature	0~40℃	0~40℃	0~40℃
Storage Temperature	-40~70℃	-40~70℃	-40~70℃
Operating Humidity	10%~90%(non-condensing)	10%~90%(non-condensing)	10%~90%(non-condensing)
Storage Humidity	5%~95%(non-condensing)	5%~95%(non-condensing)	5%~95%(non-condensing)
IP Rating	N/A	N/A	N/A
Power Supply Surge Protection	Common Mode：±2KV Differential mode：±1KV	Common Mode：±2KV Differential mode：±1KV	Common Mode：±2KV Differential mode：±1KV
Port Surge Protection	Common Mode：±4KV	Common Mode：±4KV	Common Mode：±2KV
Recommended Concurrent Clients	100	100	200
Hard Disk Drive	N/A	N/A	N/A
USB	N/A	N/A	N/A
Max. Power Consumption	＜12W	＜60W	＜130W
PoE	N/A	Support AT/AF, 4 LAN ports support PoE, MAX 54W	Support AT/AF, 8 LAN ports support PoE, MAX 110W
Max. PoE Power Budget	N/A	54W	110W
Max. Number of PoE Ports	N/A	4	8

Model	RG-EG105G-V3	RG-EG105G-P-V3	RG-EG210G-P-V3
Max. Power Output per PoE Port	N/A	30W	30W
PoE Power Pins	N/A	1 2+,3 6-	1 2+,3 6-
Power Supply	Power adapter input: Rated voltage range: 100-240V~ Maximum voltage range: 90-264V~ Frequency: 50/60Hz Rated current: 1A Power adapter output: Rated voltage: 12V DC Rated current: 1A	AC input Rated voltage range: 100V to 240V Maximum voltage range: 90V to 264V Frequency: 50/60 Hz Rated current: 1.5A Adapter output Rated voltage range: 54V DC Rated current range: 1.11A	AC input Rated voltage range: 100V to 240V Maximum voltage range: 90V to 264V Frequency: 50/60 Hz Rated current: 2.5A Adapter output Rated voltage range: 54V DC Rated current range: 2.4A
Internet Connection Type	PPPoE DHCP Static IP	PPPoE DHCP Static IP	PPPoE DHCP Static IP
Access Mode Auto Detection	Yes	Yes	Yes
Software Specifications			
PPPoE Username and Password Learning	Yes	Yes	Yes
Throughput	1000Mbps(Turbo Mode) 600Mbps(Normal Mode)	1000Mbps(Turbo Mode) 600Mbps(Normal Mode)	1000Mbps(Turbo Mode) 600Mbps(Normal Mode)
PPPoE Client	Yes	Yes	Yes
PPPoE Server	Yes	Yes	Yes
Max. Number of PPPoE Accounts	50	50	100
PPPoE Concurrent Connection Limit	35	35	65
IP Address Routing based by ISP	No	No	No
WAN IP Conflict Avoidance	Yes	Yes	Yes
MAC Address Cloning	Yes	Yes	Yes
VLAN	Yes	Yes	Yes
Max. Number of VLANs	16	16	28
Port-based VLAN	Yes	Yes	Yes

Model	RG-EG105G-V3	RG-EG105G-P-V3	RG-EG210G-P-V3
Super VLAN	No	No	No
VLAN Priority	Yes	Yes	Yes
Bandwidth Aggregation	Yes	Yes	Yes
default with Multi VLAN	No	No	No
In-Room Screen Sharing	No	No	No
Port Mapping	Yes	Yes	Yes
Number of Port Mapping Rule	256	256	256
NAT Loopback	Yes	Yes	Yes
Link Aggregation	No	No	No
LAN Link Aggregation	No	No	No
AC Mode	Yes	Yes	Yes
Behavior Management	Yes	Yes	Yes
Cloud Print	Yes	Yes	Yes
Application Identification	Yes	Yes	Yes
Application Priority	Yes	Yes	Yes
Application Cache	No	No	No
Application Control (Yes Time/IP-based Policy)	Yes	Yes	Yes
Traffic Audit	Yes	Yes	Yes
Anti Network Sharing(Modify TTL)	Yes	Yes	Yes
Network-wide Client Management	Yes	Yes	Yes
Network Supervision	No	No	No
Log Retention	No	No	No
Log Audit	Yes	Yes	Yes
Log Upload	Yes	Yes	Yes
Log Server	Yes	Yes	Yes
Maintenance and Fault Diagnosis	Yes	Yes	Yes
Web Authentication	No	No	No

Model	RG-EG105G-V3	RG-EG105G-P-V3	RG-EG210G-P-V3
SMS Authentication	Yes	Yes	Yes
Password-based Authentication	Yes	Yes	Yes
Portal Authentication	Yes	Yes	Yes
802.1X	Yes	Yes	Yes
One-Click Authentication	Yes	Yes	Yes
Local Portal Authentication	Yes	Yes	Yes
Voucher Authentication on Ruijie Cloud	Yes	Yes	Yes
Local Mode of Authentication on Ruijie Cloud	Yes	Yes	Yes
Custom Portal	Yes	Yes	Yes
RADIUS Client	Yes	Yes	Yes
RADIUS Proxy	Yes	Yes	Yes
Support Authentication Via Radius	Yes	Yes	Yes
Support duration/traffic Accounting Via Radius	Yes	Yes	Yes
Support Flowctrl Authorization Via Radius	Yes	Yes	Yes
Support User Group Authorization Via Radius	Yes	Yes	Yes
Support duration/traffic quota Via Radius	Yes	Yes	Yes
Support PAP Authentication	Yes	Yes	Yes
Support CHAP/MS-CHAPV1/MS-CHAPV2 Authentication	Yes	Yes	Yes
Support MAC Authentication for Radius	Yes	Yes	Yes
Third-Party API Integration	Yes	Yes	Yes
IPTV	Yes	Yes	Yes
L2TP VPN	Yes	Yes	Yes

Model	RG-EG105G-V3	RG-EG105G-P-V3	RG-EG210G-P-V3
PPTP VPN	Yes	Yes	Yes
IPsec VPN	Yes	Yes	Yes
OpenVPN	Yes	Yes	Yes
Number of Universal VPN Accounts for L2TP, PPTP, and OpenVPN	50	50	100
IPSec VPN Performance (bi-direction, Typical Packets) IPV4	28Mbps	28Mbps	28Mbps
L2TP VPN Performance (bi-direction, Typical Packets)	190Mbps	190Mbps	190Mbps
PPTP VPN Performance (bi-direction, Typical Packets)	190Mbps	190Mbps	190Mbps
OPENVPN Performance (bi-direction, Typical Packets)	20Mbps	20Mbps	20Mbps
Number of IPsec VPN Tunnels	8	8	8
Number of OpenVPN Tunnels	16	16	16
Number of L2TP VPN Tunnels	8	8	8
Number of PPTP VPN Tunnels	8	8	8
VPN HQ/Branch Interconnection	Yes	Yes	Yes
EasyVPN 1.0	No	No	No
Number of EasyVPN Tunnels	N/A	N/A	N/A
SSL VPN	N/A	N/A	N/A
Number of SSL VPN Tunnels	N/A	N/A	N/A
RIPng	Yes	Yes	Yes
RIP	Yes	Yes	Yes
OSPFv2	Yes	Yes	Yes
OSPFv3	Yes	Yes	Yes
WAN Failover	Yes	Yes	Yes
Static Routing	Yes	Yes	Yes
Equal Cost Multi-Path Routing	N/A	N/A	N/A

Model	RG-EG105G-V3	RG-EG105G-P-V3	RG-EG210G-P-V3
Policy-Based Routing (PBR)	Yes	Yes	Yes
Interface Active/Standby Switchover	Yes	Yes	Yes
WAN Load Balancing	Yes	Yes	Yes
IP-based Load Balancing	Yes	Yes	Yes
Session-based Load Balancing	Yes	Yes	Yes
Real-Time Load-based Load Balancing	Yes	Yes	Yes
DHCP Server	Yes	Yes	Yes
DHCP Client	Yes	Yes	Yes
DHCP Snooping	N/A	N/A	N/A
DHCP Relay	N/A	N/A	N/A
DNS Client	Yes	Yes	Yes
DNS Server	Yes	Yes	Yes
DNS Proxy	Yes	Yes	Yes
NTP Client	Yes	Yes	Yes
Oray DDNS	N/A	N/A	N/A
DynDNS	Yes	Yes	Yes
No-IP DDNS	Yes	Yes	Yes
Ruijie DDNS	Yes	Yes	Yes
3322 DDNS	Yes	Yes	Yes
Aliyun DDNS	Yes	Yes	Yes
Cloudflare	Yes	Yes	Yes
NAT	Yes	Yes	Yes
NAPT	Yes	Yes	Yes
UPnP	Yes	Yes	Yes
SNMP	Yes	Yes	Yes
ACL	Yes	Yes	Yes
Time-based ACL	Yes	Yes	Yes
IPv6 ACL	Yes	Yes	Yes

Model	RG-EG105G-V3	RG-EG105G-P-V3	RG-EG210G-P-V3
Block LAN/WAN Ping	Yes	Yes	Yes
IP-MAC Binding	Yes	Yes	Yes
MAC Address Filtering	Yes	Yes	Yes
Session Limit	Yes	Yes	Yes
Fraggle Attack Defense	Yes	Yes	Yes
Teardrop Attack Defense	Yes	Yes	Yes
Malformed Packet Attack Defense	Yes	Yes	Yes
Land Attack Defense	Yes	Yes	Yes
Smurf Attack Defense	Yes	Yes	Yes
SYN Flood Attack Defense	Yes	Yes	Yes
Security Zone	Yes	Yes	Yes
Security Logs	Yes	Yes	Yes
Upgrade via App	Yes	Yes	Yes
Reboot via App	Yes	Yes	Yes
Scheduled Reboot	Yes	Yes	Yes
HTTPS Login	Yes	Yes	Yes
Upgrade via eWeb	Yes	Yes	Yes
Upgrade via Ruijie Cloud	Yes	Yes	Yes
Configuration Backup	Yes	Yes	Yes
Factory Reset	Yes	Yes	Yes
Language	Yes	Yes	Yes
Self-Organizing Network (SON)	Yes	Yes	Yes
Device Management	Yes	Yes	Yes
No. of Devices Managed in Router Mode	32	32	150
No. of Devices Managed in AC Mode	300	300	500
Wireless Intelligent Optimization (WIO)	Yes	Yes	Yes

Model	RG-EG105G-V3	RG-EG105G-P-V3	RG-EG210G-P-V3
Flow Control	Yes	Yes	Yes
NAT ALG	Yes	Yes	Yes
anyIP	N/A	N/A	N/A
Remote Check on App	Yes	Yes	Yes
ARP Table Size	1024	1024	1024
ARP Binding	Yes	Yes	Yes
Ping	Yes	Yes	Yes
Blocklist and Allowlist	Yes	Yes	Yes
WAN/LAN Conversion	Yes	Yes	Yes
Link Detection	Yes	Yes	Yes
Multi WAN with same subnet	Yes	Yes	Yes
Max. Number of Concurrent Connections	20000	20000	60000
SIP ALG	Yes	Yes	Yes
SD-WAN	Yes	Yes	Yes
Number of SD-WAN Tunnels	24	24	24
Number of branches supported by SD-WAN	8	8	8
SD-WAN performance	80Mbps	80Mbps	80Mbps
IPv6	Yes	Yes	Yes
App Management	Yes	Yes	Yes
Web Management	Yes	Yes	Yes
Ruijie Cloud Management	Yes	Yes	Yes
Stateful Firewall	Yes	Yes	Yes
Website filtering	Yes	Yes	Yes
Website Auditing	Yes	Yes	Yes
Package Contents			
Power Adapter	Yes	Yes	Yes
Mounting Brackets	Wall-mount and Desk-type	Wall-mount and Desk-type	Desk-type

RUIjIE | Reyee

Redefine your easy network

Ruijie Networks Co., Ltd.
Website: https://reyee.ruijie.com/en-global