

RG-EG105G-P-V3

Reyee Cloud Managed PoE Router



Highlights

- Unified features with upgraded flash storage.
- User-friendly configuration and easy to use.
- High reliability and load balancing through WAN ports.
- Easy to block unwanted applications with automatically updating library.
- Customized portal page, what you see is what you get.
- Secure access to internal devices remotely.

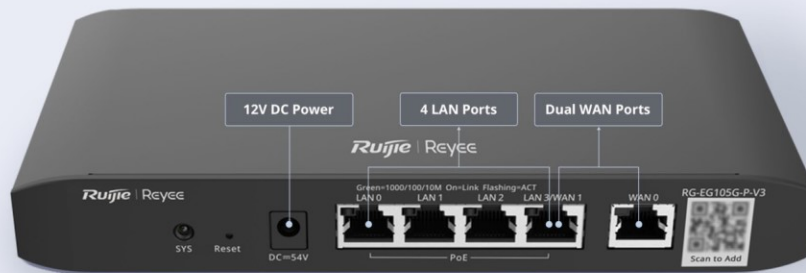
Highlight Features

Simplified and Powerful

Powerful features for small networks, easier configuration than ever.

Interface

Installation



Dual WAN
Load Balancing

VPN

IPSec, OpenVPN,
PPTP, L2TP, etc.



Captive
Portal



Free Cloud
Management



3-Year
Warranty

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Multi-WAN
Load Balancing

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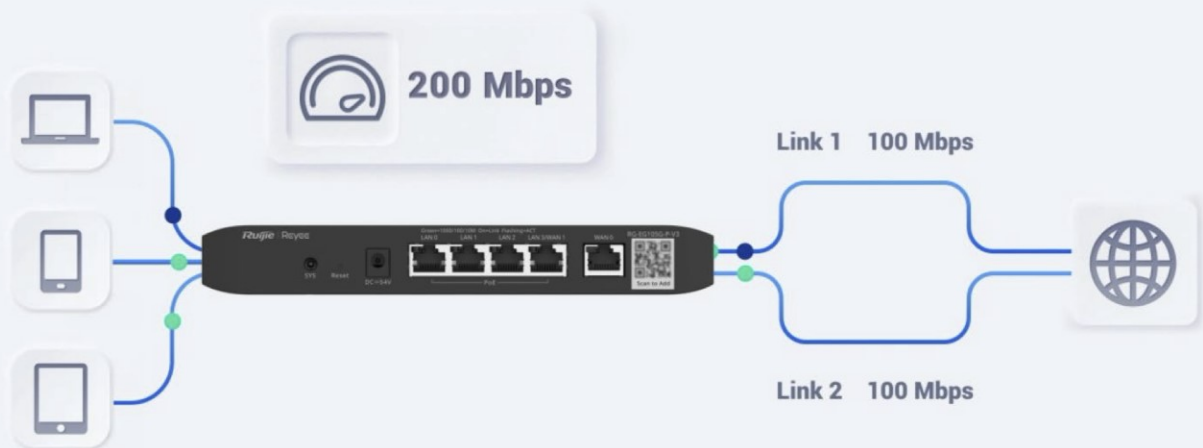
The smartphone screen shows the Ruijie Cloud APP interface for a project named 'Economic_Hotel'. The status is 'Excellent' with an uptime of 149 days and 17 hours. It lists enabled services: Basic, CCTV (1 service), and Smart Flow Control. A notice indicates a new version is available. The network topology shows an Internet connection to an EG109SG router, which is connected to a Switch, and then to several RAP devices (RAP1200(F), RAP2200(E), RAP2260(L), RAP260(L), RAP2260(E)).

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



Seamless Failover



Aggregated Bandwidth



Automatic Setup



Customizable Link Weight

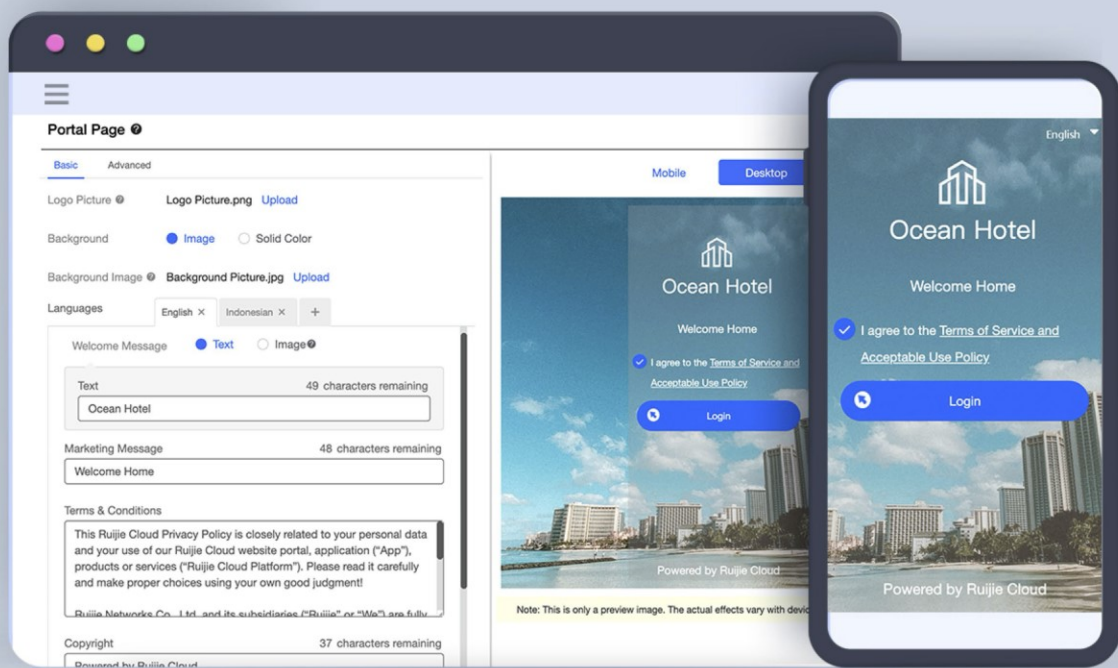
Highlight Features

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



Hardware Specifications

Model	RG-EG105G-P-V3
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	60 W
PoE budget	54 W
Number of PoE Out ports	4
PoE budget per port	30 W
PoE power pins	1-2 (+), 3-6 (-)
PoE Out standard	IEEE 802.3af/at (PoE/PoE+)
Port Specifications	
Total number of RJ45 ports	5
Number of 10/100/1000BASE-T ports	5
Maximum number of LAN ports	4
Maximum number of WAN ports	2
Number of fixed LAN ports	3
Number of fixed WAN ports	1
Number of LAN/WAN ports	1
LEDs	1 x system status LED
	5 x Ethernet port LEDs

Hardware Specifications

Model	RG-EG105G-P-V3
Reset button	1
System Specifications	
CPU	Dual-core processor, 880 MHz clock frequency per core
Flash memory	32 MB
RAM	128 MB
Dimensions and Weight	
Package dimensions (W x D x H)	540 mm x 340 mm x 285 mm (21.26 in. x 13.39 in. x 11.22 in.)
Product dimensions (W x D x H)	206.5 mm x 108.5 mm x 28 mm (8.13 in. x 4.27 in. x 1.1 in.)
Shipping weight	1.088 kg (2.4 lbs)
Weight	0.406 kg (0.9 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: ±2 kV for common mode and ±1 kV for differential mode

Software Specifications

Model	RG-EG105G-P-V3
System Performance Capacity	
Maximum number of concurrent sessions	20000
Recommended number of concurrent clients	100
Throughput	1000 Mbps (Turbo Mode)
	600 Mbps (Normal Mode)
Security	
ACL	Yes
DHCP snooping	No
Malformed packet attack defense	Yes
Fragmentation attack defense	Yes
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 ACL	Yes
IP-MAC binding	Yes
Network sharing prevention	Yes

Software Specifications

Model	RG-EG105G-P-V3
Security log	Yes
Security zone	Yes
User group-based connection limiting	Yes
Ethernet Switching	
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	Yes
VLAN priority	Yes
Ethernet Interface	
Avoiding IP address conflicts on WAN interfaces	Yes
Multiple IP addresses on a WAN port	No
Sub-interface	No
Load balancing	Yes
MAC address cloning	Yes

Software Specifications

Model	RG-EG105G-P-V3
Multiple WAN interfaces on the same network segment	Yes
PPPoE clients	Yes
Scheduled PPPoE reconnection	No
WLAN	
Wireless Intelligent Optimization (WIO)	Yes
IP Routing	
Application-based routing	No
Bandwidth aggregation	Yes
BGP	No
BGP4	No
BGP4+	No
ECMP	No
IPv4 static route	Yes
IPv6 PBR	Yes
Route selection based on national address database	No
IPv6 static route	Yes
IS-ISv4	No
IS-ISv6	No

Software Specifications

Model	RG-EG105G-P-V3
Load balancing based on flows	Yes
Load balancing based on source IP addresses	Yes
Load balancing based on the interface weight	Yes
Route selection by link quality	No
OSPFv2	Yes
OSPFv3	Yes
RIP	Yes
RIPng	Yes
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
Active/Standby mode (automatically switching to the standby interface when the active interface fails)	Yes
Tunnel bandwidth test	Yes

Software Specifications

Model	RG-EG105G-P-V3
Bypass networking for a device in AP mode	No
Centralized traffic forwarding policy	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
TFTP server (IPv4 address)	No
HTTPS login	Yes
NTP client	Yes
NTP server	No

Software Specifications

Model	RG-EG105G-P-V3
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: 32 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: 300 ES series: 128 Note: The maximum number of managed devices varies with each device series.
IP Service	
3322.org	Yes
ALG	Yes
ARP binding	Yes
Maximum number of ARP entries	1024
Proxy ARP	No

Software Specifications

Model	RG-EG105G-P-V3
Cloudflare	Yes
DHCP client	Yes
DHCP server	Yes
DHCP relay	No
Option 43	Yes
Option 138	Yes
Static/Dynamic NAT	Yes
NAT-PT	No
Turbo mode	Yes
NAT loopback	Yes
DNS client	Yes
DNS proxy	Yes
DNS server	Yes
DNS blocklist or allowlist	Yes
Maximum number of domains supported by a DNS blocklist or allowlist	2000
Maximum number of policies supported by a DNS blocklist or allowlist	10
No-IP DNS	Yes

Software Specifications

Model	RG-EG105G-P-V3
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
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

Software Specifications

Model	RG-EG105G-P-V3
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	English, Chinese, Turkish, Arabic, Vietnamese, Thai, Indonesian, Latin American Spanish, Brazilian Portuguese, Russian, French, German, European Spanish, Italian, and Polish
VPN	
IPsec VPN	Yes
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

Software Specifications

Model	RG-EG105G-P-V3
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	50
WireGuard server	Yes
WireGuard client	Yes
WireGuard performance	80 Mbps
Number of concurrent tunnels supported by the WireGuard server	8
Reliability	
Stacking	No
VRRP	No
Gateway Features	

Software Specifications

Model	RG-EG105G-P-V3
WAN failover	Yes
Application priority	Yes
Application recognition	Yes
Behavior management	Yes
QoS	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
Authentication	
Portal authentication	Yes
One-click authentication	Yes
Password authentication	Yes
SMS-based authentication	Yes
Voucher authentication supported by Ruijie Cloud portal page	Yes
Cloud portal authentication	Yes

Software Specifications

Model	RG-EG105G-P-V3
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	50
RADIUS flow control authorization supported by WISPr authentication	Yes
Number of concurrent clients supported by the PPPoE server	35
RADIUS flow control authorization supported by PPPoE authentication	No
PAP	Yes

Software Specifications

Model	RG-EG105G-P-V3
RADIUS authentication	Yes
RADIUS client	Yes
RADIUS accounting based on time or traffic	Yes
RADIUS proxy server	Yes
RADIUS traffic quota authorization	Yes
RADIUS user group authorization	Yes
Third-party authentication	Yes

Package Contents

Model	RG-EG105G-P-V3
Manual	
User Manual	1
Warranty Card	1
Accessories	
Power adapter	1
Power cord	1 x 1 m ± 50 mm (39.37 in. ± 1.97 in.)
Rubber pad	4

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 **R**edefine **y**our **e**asy network



Ruijie Networks Co., Ltd.

Official Website: <https://Reyee.Ruijie.com>