# RG-EG300GH-E Series
## Reyee 5/10-Port High Performance Cloud Managed Office Router

DATASHEET
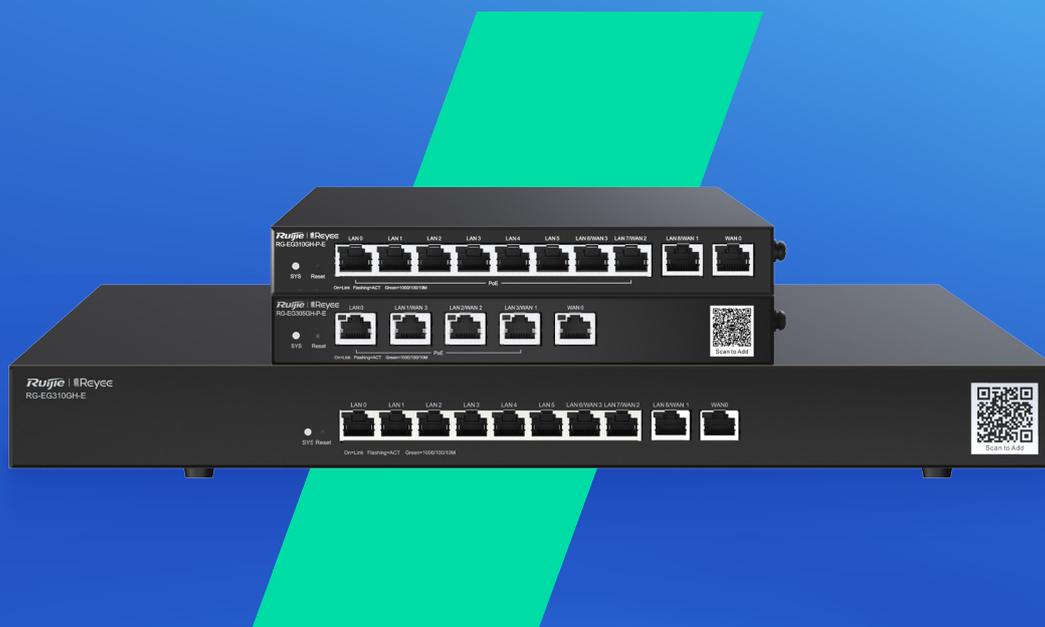
Highlights

- High-performance router for office network

- Provide powerful VPN for branches and remote workers

- Provide traffic visualization monitoring, everything in a glance

- New efficient way of bandwidth management based on application and user

- Unbreakable multi-WAN, intelligent load balancing

Highlight Features

High-performance VPN Router for Office Network

RG-EG100 Series — 600 Mbps — ↑ 256%

RG-EG300 Series — 1.5 Gbps

Ruijie | Reyee
RG-EG310GH-P-E
SYS   Reset
LAN 0   LAN 1   LAN 2   LAN 3   LAN 4   LAN 5   LAN 6/WAN 3   LAN 7/WAN 2   LAN 8/WAN 1   WAN 0
On=Link Flashing=ACT Green=1000/100/10M   PoE

- **300** Concurrent Clients
- **Max. 4** WAN Ports
- **64** VPN Tunnels
- **Load** Balancing
- **Free Cloud** Management

Provide Powerful VPN for Branches and Remote Workers

Retail Store

Up to **64** Tunnels
Corporate HQ

Retail Store

Retail Store

Retail Store

- **Up to 300 VPN Users**
- **Tunnel Based Traffic Control**
- **Open VPN, IPSec, L2TP,PPTP**
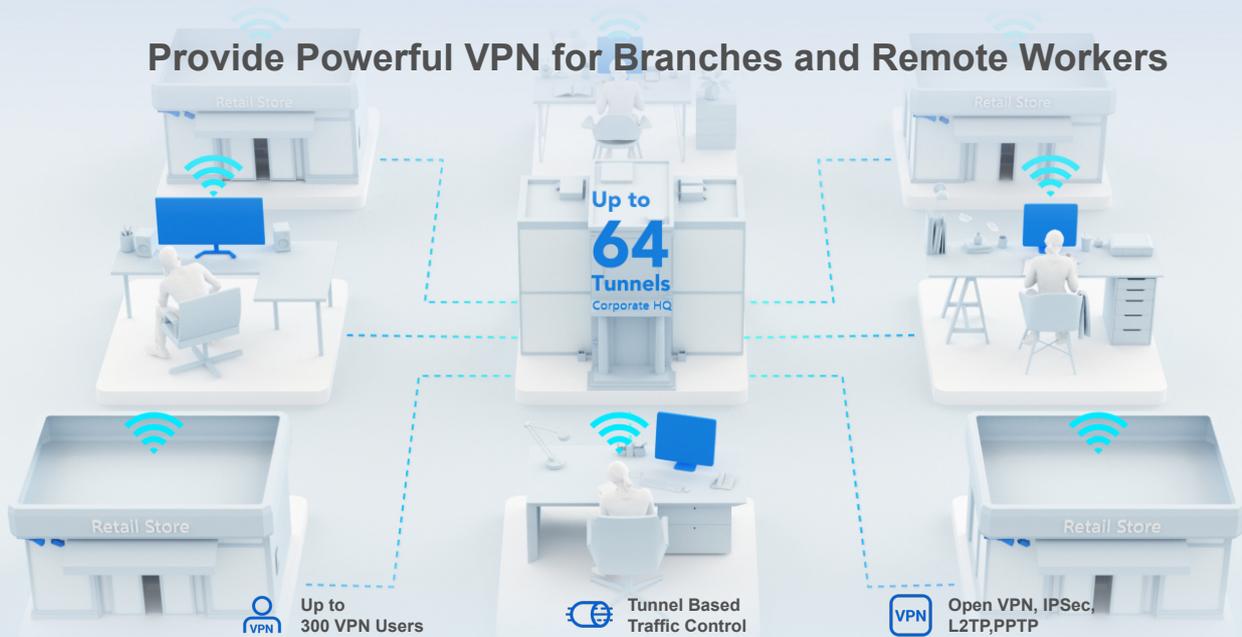
Highlight Features

Who is Eating Your Internet Speed?

Traffic visualization monitoring for you. No matter traffic user ranking, or traffic application ranking, everything in a glance
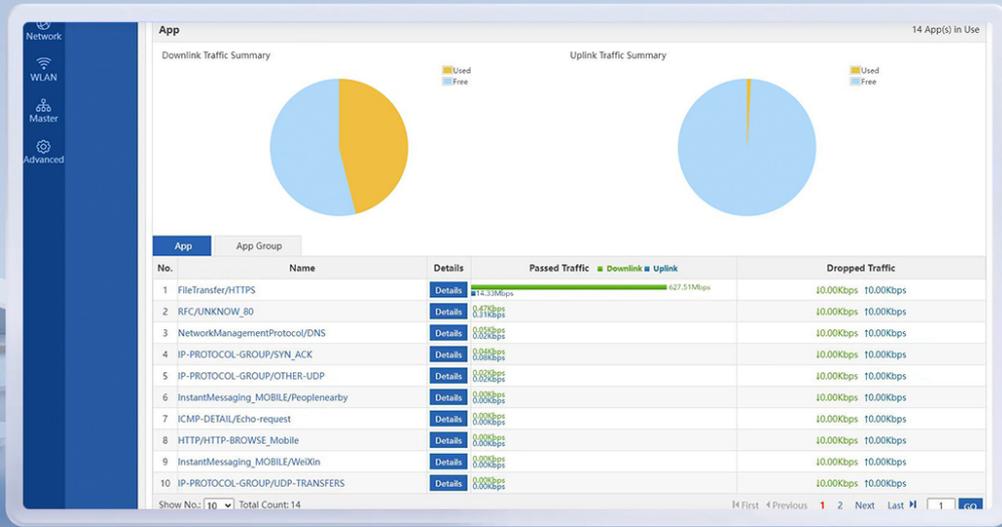
New Efficient Way of Bandwidth Management

Application Based Bandwidth Management

zoom	**Video Conference**	**High-priority** **20** Mbps
YouTube	**HD Video**	**5** Mbps
facebook	**Social Media**	**5** Mbps

User Based Bandwidth Management

User Group	**Management**	**50** Mbps
User Group	**Finance**	**High-priority** **30** Mbps
User Group	**Other staff**	**100** Mbps
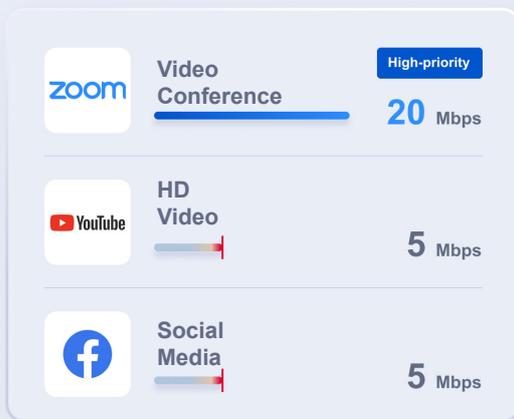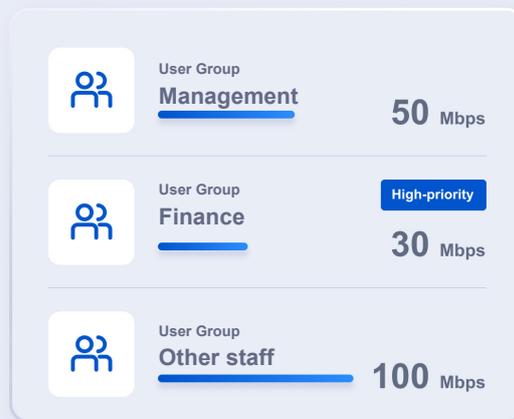
Highlight Features

Unbreakable Multi-WAN, Intelligent Load Balancing

Supports load balancing, redundancy link, and source IP based PBR(Policy based routing).
Preventing login failures due to IP address changes for services such as e-banking.

1500 Mbps

Link**1** 500 Mbps
Link**2** 500 Mbps
Link**3** 400 Mbps
Link**4** 100 Mbps — 4G/5G Modem

Seamless Failover

Aggregated Bandwidth

Automatic Setup

Customizable Link Weight
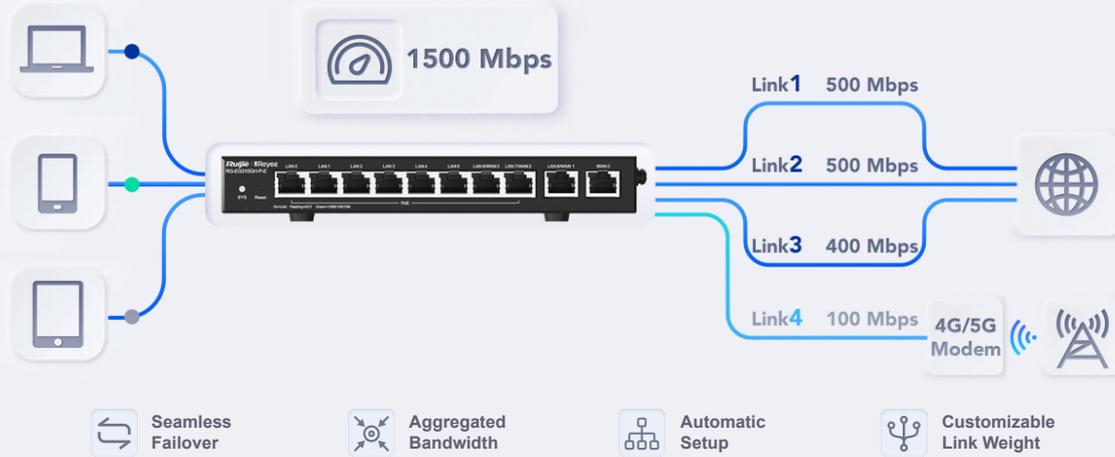
Cloud, Make Your Business Easy

- Reyee free DDNS
- Cloud portal authentication
- Remote monitoring and maintenance
- Upgrade firmware via Cloud
- APP library dynamic update
- Customized APP library via APP
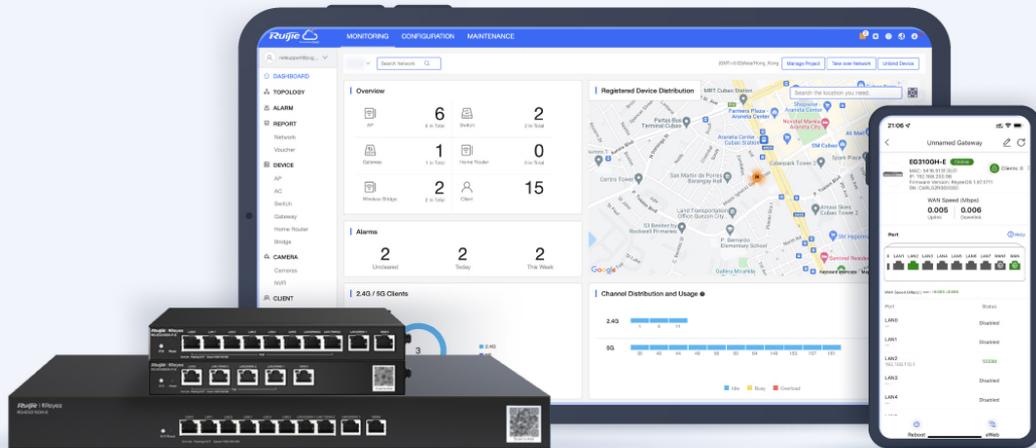
Specifications

Model	RG-EG305GH-P-E	RG-EG310GH-P-E	RG-EG310GH-E
Hardware Specifications			
Basic			
Fixed WAN Port	1×10/100/1000 Base-T		
Fixed LAN Port(s)	1×10/100/1000 Base-T	6×10/100/1000 Base-T	
LAN/WAN Switchable Port(s)	3×10/100/1000 Base-T		
Throughput	1.5 Gbps (1518 Byte, NAT + Flow Audit) 1000 Mbps (1518 Byte, NAT + Authentication, Application Identification, Flow Audit and QoS)		
Recommended Concurrent Clients	300		
System			
CPU	2 Cores, 1.35 GHz		
SDRAM/RAM	512 MB		
Flash Memory	256 MB NAND FLASH		
Power Consumption	≤80 W (With PoE Full load)	≤130 W (With PoE Full Load)	≤15 W
Software Specifications			
Basic			
Network Access Mode	PPPoE Client, DHCP Client, Static IP, All Support IPv4 & IPv6		
Work Mode	Router Mode or AC Mode		
VLAN	Support 64 VLANs		
IPTV	Support, via VLAN and via IGMP		
VLAN Priority（802.1p）	Support		
Learning PPPoE Account & Password	Support		

Specifications

Model	RG-EG305GH-P-E	RG-EG310GH-P-E	RG-EG310GH-E
Software Specifications			
Network Management			
Self-Organizing Network (SON)	Support		
No. of Devices Managed in Router Mode	150 (APs/NBS Switches) +128 (ES Switches)		
No. of Devices Managed in AC Mode	500 (APs/NBS Switches) +128 (ES Switches)		
Application Identifying（L7 DPI）	Identify 300+ Applications, including Communication, Video, Shopping, Play, Databank, P2PSoftware and Payment		
Behavior Management（L7 Filter）	App Block (Time-based/IP-based/User-based Policy) Website Filtering(Time-based/IP-based/User-based Policy)		
URL Auditing	Support		
Flow Control（QoS）	Smart Flow Control Custom Flow Control Policies VPN Flow Control		
Traffic Auditing	Real-time Traffic Auditing		
Anti Network Sharing	Support, TTL Rule		
Network Terminal Management	Terminal Detect, Identification, Position Detect		
SNMP v1/v2/v3	Support		
Log Auditing	NAT Log, URL Log, DHCP Log, Auth Log, (Thailand & Turkey Syslog)		
VPN			
VPN Sever	Support, IPsec, L2TP, PPTP, OpenVPN		
VPN Client	Support, IPsec, L2TP, PPTP, OpenVPN		
Only Enable IPsec VPN Overall Performance	230 Mbps		
Only Enable L2TP/PPTP VPN Overall Performance	640 Mbps		
Only Enable OPENVPN Overall Performance	100 Mbps		
IPsec VPN + L2TP/PPTP VPN + OpenVPN Overall Tunnels Number	64		

Specifications

Model	RG-EG305GH-P-E	RG-EG310GH-P-E	RG-EG310GH-E
Software Specifications			
Routing			
Static Routing	Support, IPv4 & IPv6		
RIP/RIPng	Support, IPv4 & IPv6		
Policy-Based Routing (PBR)	Support, IPv4 & IPv6		
OSPF v2/v3	Support, IPv4 & IPv6		
WAN Port Failover	Support, Active/Standby Interface Mode		
WAN Load Balancing	Support, Source IP-based Load Balance, Session-based Load Balancing, Realtime-load-based Load Balance		
Network Service			
PPPoE Server	Support, 128 Concurrent Clients		
DHCP Server	Support		
DNS Server	Support		
DNS Client	Support		
DNS Proxy	Support		
NTP Client	Support		
DDNS	Oray DDNS, DynDns, NO-IP, Ruijie DDNS		
NAT	Support		
Port Mapping/DMZ	Support		
UPnP	Support		

Specifications

Model	RG-EG305GH-P-E	RG-EG310GH-P-E	RG-EG310GH-E
Software Specifications			
Security			
ACL(Firewall)	Support, Time-based ACL (IPv4 & IPv6), Stateful Firewall		
Self-Security	Ping forbidden in LAN/WAN,WEB access forbidden in LAN,Local ICMP access forbiden		
IP-MAC Binding	Support		
MAC Address Filtering	MAC Address Whitelist & Blacklist		
Session Number Limit	Support		
ARP	Support, ARP Bind		
Attack Defense	Anti Flood Attack Anti Suspicious Packet Attack ICMP Packet Management Anti Session Attack		
Security-Domain	Support		
Security Log	Support		
Authentication			
Radius Client	Support		
Radius Proxy	Support		
Cloud Authentication	WeChat, Account, SMS, One-Click, Voucher, Customized Portal		
Local Authentication	Account, QR Code, SMS, One-Click, Voucher, Customized Portal		
3rd-Party Portal Integrate Interface	WiFiDog, WISPr		
AP Management (AC Mode)			
Configurate SSIDs	Support		

Specifications

Model	RG-EG305GH-P-E	RG-EG310GH-P-E	RG-EG310GH-E
Software Specifications			
AP Management (AC Mode)			
Channel Settings	Support		
STA Management	Support		
Mesh Management	Support		
Wireless Roaming Settings	Support		
WIO	Support		
Device Management			
Management Method	eWEB, Cloud, APP		
Reboot Method	Reboot, Scheduled Reboot via eWEB/Cloud/APP		
Default Access/Password	192.168.110.1 Default Password: admin		
Firmware Upgrade	Support, Online and Local Upgrade via eWEB, Upgrade via Cloud/APP		
Configuration Backup	Support		
Factory Reset	Support		
eWEB Language	Chinese English Vietnamese Indonesian Thai Arabic Traditional Chinese Spanish Russian		

Specifications

Model	RG-EG305GH-P-E	RG-EG310GH-P-E	RG-EG310GH-E
Hardware Feature			
CPU	2 Cores, 1.35 GHz		
SDRAM/RAM	512 MB		
Flash Memory	256 MB NAND FLASH		
Power Supplies	DC 54V/1.48A (Adapter included)	DC 54V/2.4A (Adapter included)	100V~240V AC，50/ 60Hz
PoE Standard	IEEE 802.3af/at		NA
PoE Power Budget	60 W	110 W	NA
DC Port Dimensions	Outer Diameter: 5.5 mm Inner Diameter: 2.1 mm Length: 10 mm (Outer Diameter: 0.22 in. Inner Diameter: 0.08 in. Length: 0.39 in.)		NA
Indicator	1×system LED indicator		
Buttons	1×Reset button		
Dimensions(W×D×H)	202 mm x 28 mm x 108 mm (7.9 5 in. x 1.1 in. x 4.25 in.)		43.6 mm x 440 mm x 200 mm (1.72 in. x 17.32 in. x 7.87 in.)
Weight	0.5 kg (packages not included)	0.55 kg (packages not included)	2.4 kg (packages not included)
Installation	Desk-mounted		Rack-mounted
Rack Dimensions	NA		1U 19-inch Rack-mounted
Dissipation Mode	Air-cooled Heat Dissipation		
Fan	Fansless		
Operating Temperature	0°C to 40°C (32℉ to 104℉）		
Storage Temperature	-40°C to 75°C (-40℉ to 167℉）		
Operating Humidity	10% to 90% Noncondensing		

Specifications

Model	RG-EG305GH-P-E	RG-EG310GH-P-E	RG-EG310GH-E
Hardware Feature			
Storage Humidity	5% to 90% Noncondensing		
Port Surge	4 kV		
IP(Ingress Protection)	IP20		

Package Contents

Model	RG-EG305GH-P-E	RG-EG310GH-P-E	RG-EG310GH-E
Foot Pad	4	4	4
Power Adapter	1	1	-
Power Cord	1	1	1
Mounting Bracket	-	-	2
M4 x 8 mm Screw	-	-	6
Power Cord Retention Clip	-	-	1
User Manual	1	1	1
Warranty Card	1	1	1
Package Weight	1.5 kg	1.6 kg	3.4 kg
Package Dimension (w x d x h)	305 mm x 289 mm x 64 mm	305 mm x 289 mm x 64 mm	536 mm x 351 mm x 110 mm

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Redefine your easy network

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