Ruijie | Reyee

DATASHEET

RG-EG310GH-P-E

Reyee10-Port High-Performance Cloud Managed PoE Office Router

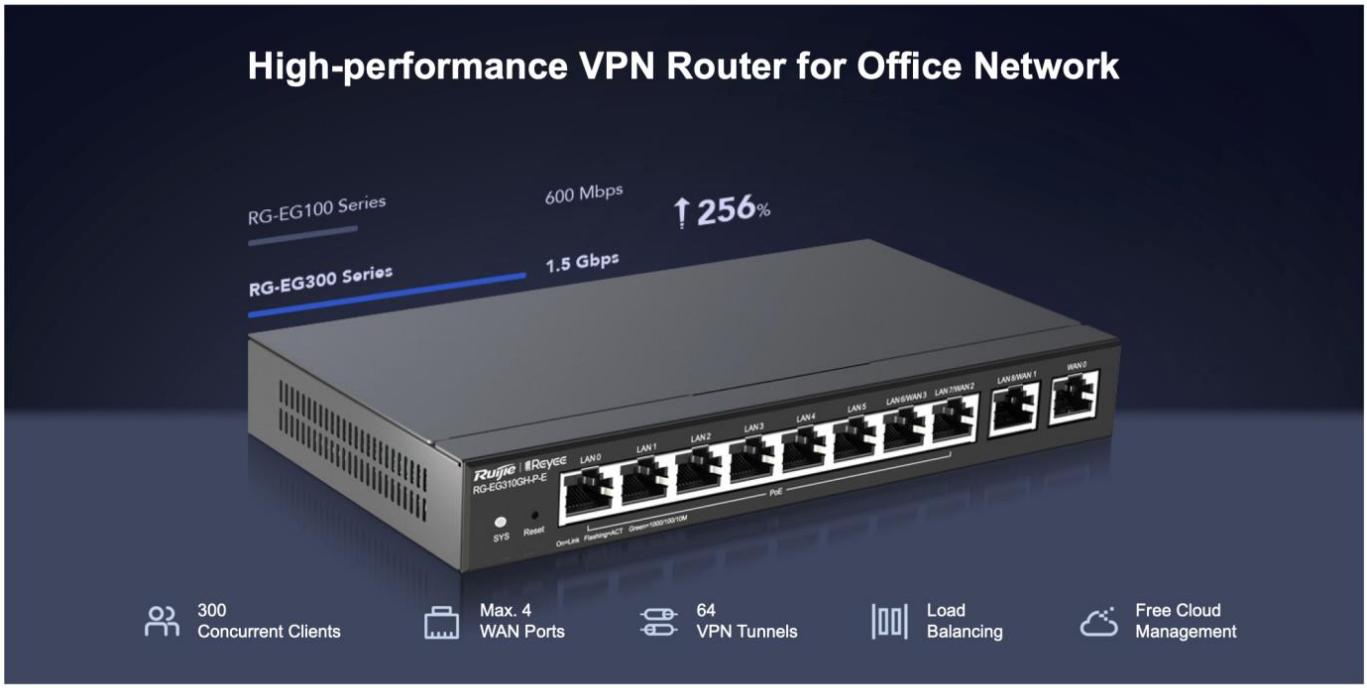


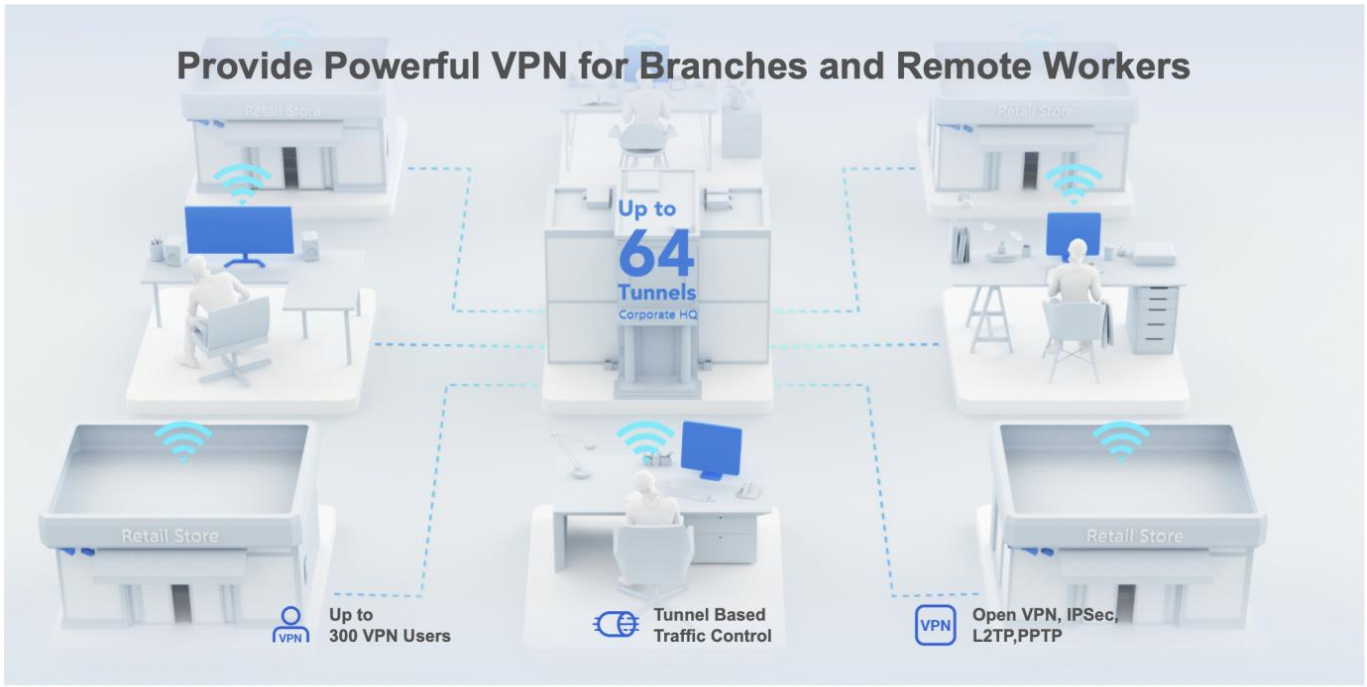
Highlights

- 1.5 Gbps throughput, high-performance VPN router for office networks.
- Powerful VPN for branches and remote employees.
- Traffic visualization and monitoring.
- Efficient bandwidth management based on applications and users.
- Multi-WAN, intelligent load balancing.

Date: 2025.9.23

Highlight Features

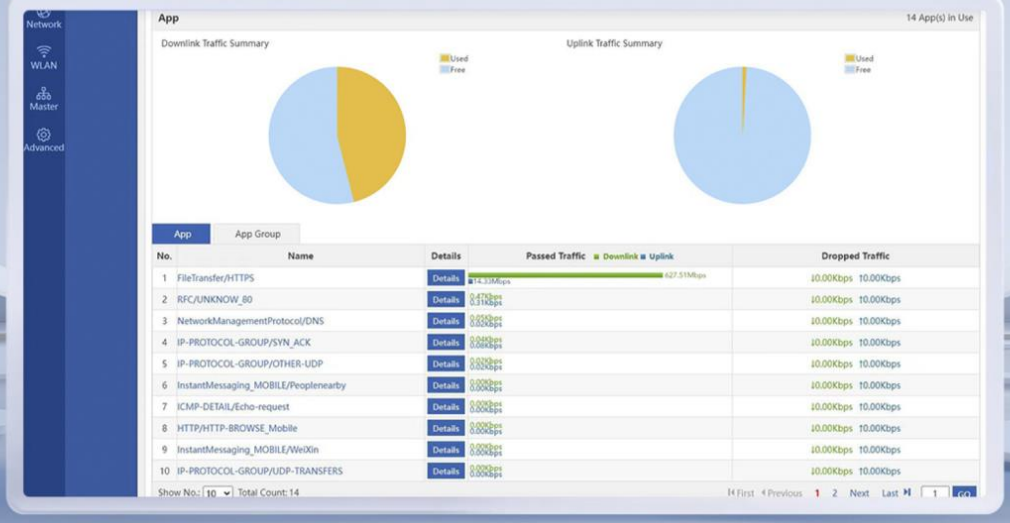




Highlight Features

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
	Social Media	5 Mbps

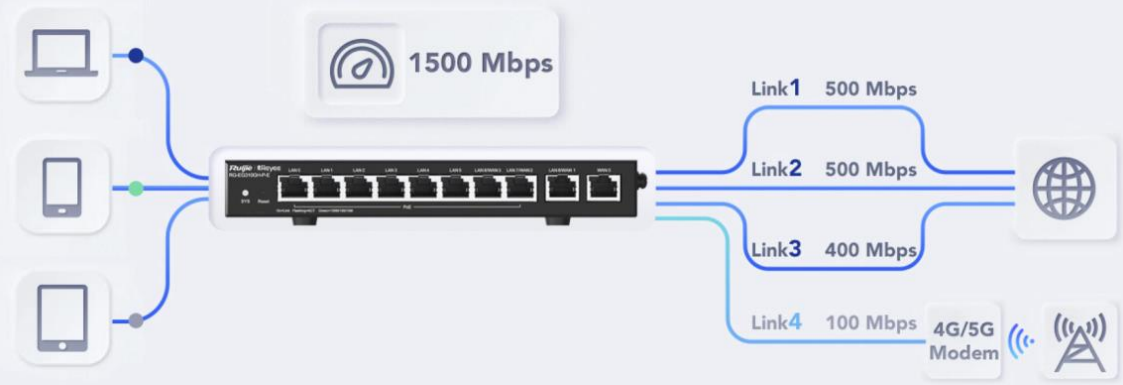
User Based Bandwidth Management

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.



Seamless Failover

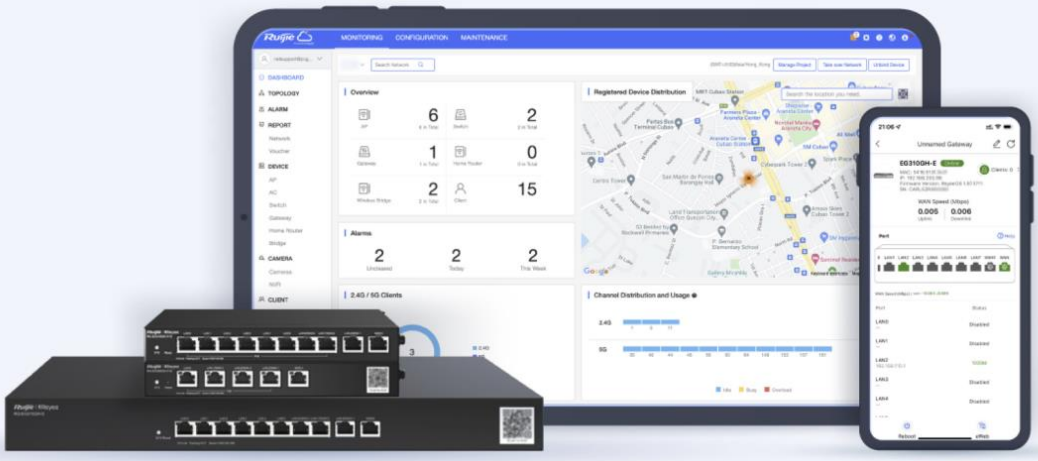
Aggregated Bandwidth

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



Product Information

Model	RG-EG310GH-P-E

Hardware Specifications

Model	RG-EG310GH-P-E
Dimensions and Weight	
Package dimensions (W x D x H)	594 mm x 430 mm x 267 mm (23.39 in. x 16.93 in. x 10.51 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.)
Shipping weight	1.62 kg (3.57 lbs)
Weight	1.50 kg (3.31 lbs)
Environment and Reliability	
Cooling	Natural cooling
Fan	Fanless
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)
Surge protection	Service port： ±4 kV for common mode Power connector： ±4 kV for common mode and ±4 kV for differential mode
Power Supply and Consumption	
Power supply	DC power adapter
Dimensions of the DC connector	Outer diameter: 6.0 mm (0.24 in.) Inner diameter: 2.0 mm (0.08 in.) Depth: 10.0 mm (0.39 in.)
Maximum power consumption	9 W (with no PoE load) 119 W (with full PoE load)
PoE budget	110 W
Number of PoE Out ports	8

Hardware Specifications

Model	RG-EG310GH-P-E
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	10
Number of 10/100/1000BASE-T ports	10
Maximum number of LAN ports	9
Maximum number of WAN ports	4
Number of fixed LAN ports	6
Number of fixed WAN ports	1
Number of LAN/WAN ports	3
LEDs	1 x system status LED 10 x Ethernet port LEDs
Reset button	1
System Specifications	
CPU	Dual-core processor, 1.35 GHz clock frequency per core
Flash memory	256 MB
RAM	512 MB

Software Specifications

Model	RG-EG310GH-P-E
System Performance Capacity	
Maximum number of concurrent sessions	100000
Recommended number of concurrent clients	350
VPN	
IPsec VPN	Yes
IPsec VPN bandwidth	230 Mbps
Maximum number of branches in IPsec VPN networking	64
L2TP VPN	Yes
L2TP VPN bandwidth	640 Mbps
Maximum number of branches in L2TP VPN networking	64
OpenVPN	Yes
OpenVPN bandwidth	100 Mbps
Maximum number of branches in OpenVPN networking	64
PPTP VPN	Yes
PPTP VPN bandwidth	640 Mbps
Maximum number of branches in PPTP VPN networking	64
SSL VPN	No
Easy VPN 1.0	No
Number of VPN accounts for L2TP, PPTP, and OpenVPN	300
SD-WAN	
SD-WAN	Yes
Number of tunnels supported by SD-WAN	192

Software Specifications

Model	RG-EG310GH-P-E
Maximum number of SD-WAN branches	64
Active/Standby mode (automatically switching to the standby interface when the active interface fails)	Yes
Public IPv4 probing for an egress network	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
Load balancing based on the interface weight	Yes
OSPFv2	Yes
OSPFv3	Yes
RIP	Yes
RIPng	Yes

Software Specifications

Model	RG-EG310GH-P-E
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
VLAN priority	Yes
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 firewall	Yes
IP-MAC binding	Yes
Network sharing prevention	Yes
Security log	Yes

Software Specifications

Model	RG-EG310GH-P-E
Security zone	Yes
User group-based connection limiting	Yes
WLAN	
Maximum number of devices that can be managed	128
Wireless Intelligent Optimization (WIO)	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
NTP client	Yes
NTP server	No
Scheduled device restart	Yes
SNMPv1, v2c, and v3	Yes
SON	Yes
SSH	No
Telnet	No

Software Specifications

Model	RG-EG310GH-P-E
Web login information	Default IP Address: 192.168.110.1 Default Password: admin
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
No-IP DNS	Yes
GRE tunnel	No
IPTV	Yes
IPv4 ping	Yes
IPv6	Yes

Software Specifications

Model	RG-EG310GH-P-E
IPv6 ping	Yes
Number of port mapping entries	512
Port mapping	Yes
DDNS	Yes
Ruijie DDNS	Yes
Alibaba Cloud DDNS	Yes
N/A	Yes
Reliability	
Stacking	No
VRRP	No
Gateway Features	
WAN failover	Yes
Application priority	Yes
Application recognition	Yes
Behavior management	Yes
Flow control	Yes
Time-based blocking policy IP address-based blocking policy	Yes
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	

Software Specifications

Model	RG-EG310GH-P-E
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
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	300
Number of concurrent clients supported by the PPPoE server	128
PAP	Yes
RADIUS authentication	Yes
RADIUS client	Yes
RADIUS accounting based on time or traffic	Yes
RADIUS flow control authorization	Yes

Software Specifications

Model	RG-EG310GH-P-E
RADIUS proxy server	Yes
RADIUS traffic quota authorization	Yes
RADIUS user group authorization	Yes
Third-party authentication	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
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, Vietnamesee, Thai, Indonesian, Latin American Spanish, Brazilian Portuguese, Russian, French, German, European Spanish, Italian, and Polish.
Ethernet Interface	
Avoiding IP address conflicts on WAN interfaces	Yes
Load balancing	Yes
MAC address cloning	Yes

Software Specifications

Model	RG-EG310GH-P-E
Multiple WAN interfaces on the same network segment	Yes
PPPoE clients	Yes
Scheduled PPPoE reconnection	No

Package Contents

Model	RG-EG310GH-P-E
Manual	
User Manual	1
Warranty Card	1
Accessories	
Power adapter	1
Power cord	31.49 in. x 1 pieces
Rubber pad	4

Ruijie | Reyee

Redefine your easy network

Ruijie Networks Co., Ltd.

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