

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

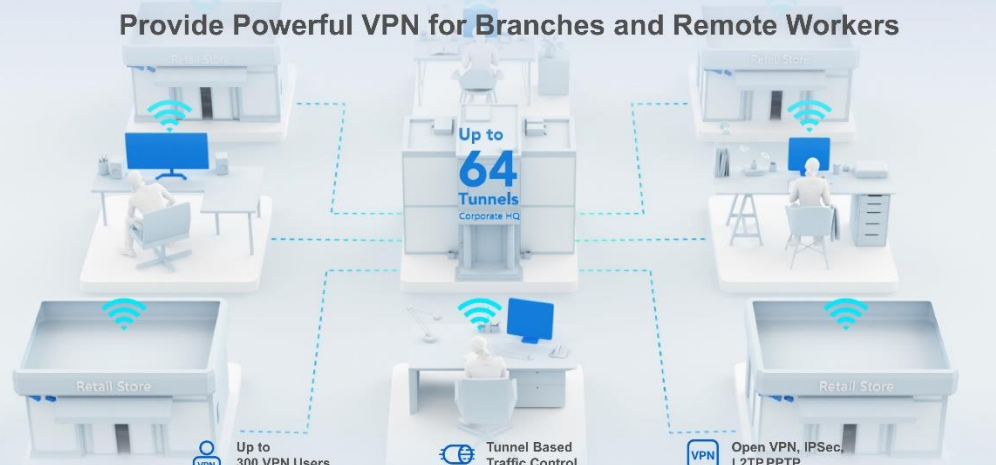


The image shows a black ZyXEL RG-EG300 VPN Router. The front panel features several ports labeled LAN1 through LAN8, LAN9/WAN1, LAN10/WAN2, LAN11/WAN3, and WAN4. The router is shown from a three-quarter perspective against a dark background.

RG-EG100 Series 600 Mbps
RG-EG300 Series 1.5 Gbps
↑ 256%

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

Provide Powerful VPN for Branches and Remote Workers



The diagram illustrates a central Corporate HQ connected via VPN tunnels to multiple Retail Stores. Each location is represented by a desk with a computer and a person working. Dashed lines represent the VPN connections between the HQ and the stores.

Up to 64 Tunnels
Corporate HQ

Up to 300 VPN Users

Tunnel Based Traffic Control

VPN Open VPN, IPSec, L2TP, PPTP

Highlight Features



New Efficient Way of Bandwidth Management

Application Based Bandwidth Management



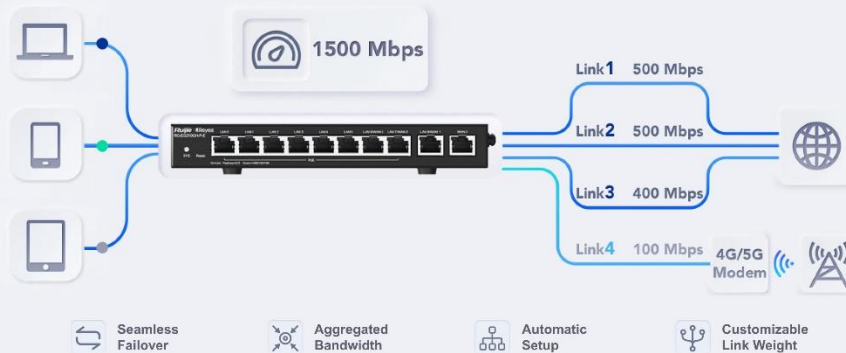
User Based Bandwidth Management



Highlight Features

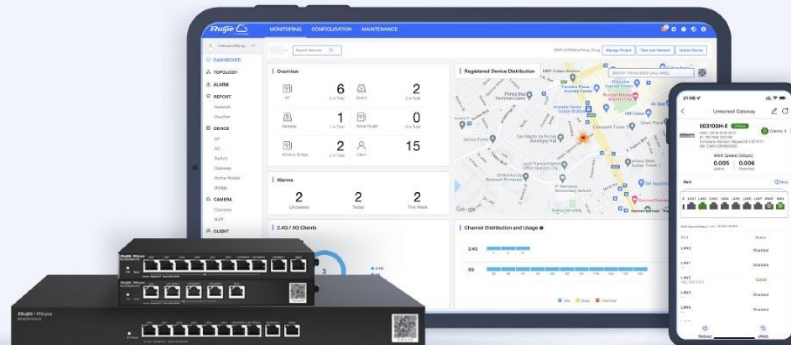
Unbreakable Multi-WAN, Intelligent Load Balancing

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.



Cloud, Make Your Business Easy

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



Specifications

Physical Basic

Model	RG-EG305GH-P-E	RG-EG310GH-P-E	RG-EG310GH-E
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		
Performance	1.5 Gbps (1518 Byte,NAT+Flow Audit) 1000 Mbps (1518 Byte,NAT+Authentication, Application Identification, Flow Audit and Flow Control)		
Throughput	1.5 Gbps		
Recommended Clients	300		
Power Consumption	≤ 80 W (With PoE full load)	≤ 130 W (With PoE full load)	≤ 15 W

Software Feature

Network Access Mode	PPPoE Client DHCP Client Static IP
Automatic Identification of Internet Type	✓
Avoidance of WAN IP Address Conflicts	✓
Learning PPPoE Account & Password	✓
VLAN	Support, 8
IPv6	✓
IPTV	✓
AC Mode	✓
Behavior Management	App Block (Time/IP-based Policy) Website Filtering
Application Recognition	Identify 100+ Applications, including Office, IM, Web Page, Online Shopping, Online Gaming, P2P Download and Popular Videos
Application Priority	✓

Specifications

Software Feature			
Model	RG-EG305GH-P-E	RG-EG310GH-P-E	RG-EG310GH-E
Flow Control	Smart Flow Control Custom flow Control Policies IP-based Automatic Bandwidth Assignment		
Traffic Audit	Real-time Traffic Audit		
Diagnosis	✓		
Marketing authentication	WiFiDog (SMS authentication and one-click authentication)		
Local authentication	Portal Authentication Password Authentication QR Code Authentication		
Max Manager Reyeer Switches	128		
No. of PPPoE Server Account	64		
L2TP VPN	✓		
PPTP VPN	✓		
IPsec VPN	✓		
OpenVPN	✓		
No. of PPTP&L2TP&OpenVPN Account	300		
Overall IPsec VPN Performance	230 Mbps		
Overall L2TP VPN Performance	640 Mbps		
Overall OPENVPN Performance	100 Mbps		
IPsec VPN Tunnels	64		
OpenVPN Tunnels	64		
L2TP VPN Tunnels	64		
Static routing	✓		
RIP/RIPng	✓		
Policy-Based Routing (PBR)	✓		

Specifications

Software Feature			
Model	RG-EG305GH-P-E	RG-EG310GH-P-E	RG-EG310GH-E
WAN Port Failover		✓	
WAN Load Balancing		✓	
Load balancing based on source address		✓	
Flow-based Load Balancing		✓	
Port-based weighted load balancing of data streams		✓	
PPPoE Client		✓	
PPPoE Server		✓	
DHCP Server		✓	
DNS Server		✓	
DNS Client		✓	
DNS Proxy		✓	
NTP Client		✓	
DDNS	Oray DDNS, DynDns, NO-IP, Ruijie DDNS		
NAT		✓	
NAPT		✓	
NAT ALG		✓	
Port Mapping		✓	
UPnP		✓	
MACC		✓	
ACL		✓	
Time-based ACLs		✓	
Malicious Attacks Defense		✓	

Specifications

Software Feature			
Model	RG-EG305GH-P-E	RG-EG310GH-P-E	RG-EG310GH-E
ARP binding		✓	
Prevent Port Scan Attack		✓	
Prevent Fragmentation Attack		✓	
Prevent Teardrop Attack		✓	
Prevent Ping of Death Attack		✓	
Prevent Land Attack		✓	
Prevent Smurf / Fraggle attack		✓	
Prevent SYN Flood Attack		✓	
Cloud Management		✓	
APP Management		✓	
APP Upgrade		✓	
APP Restart		✓	
Scheduled Restart		✓	
Default Access/Password	192.168.110.1 No Password Required by Default		
Local Upgrade		✓	
Online Upgrade		✓	
Backup		✓	
Factory Reset		✓	
Language	Chinese English Vietnamese Indonesian Thai Arabic Traditional Chinese Spanish Russian		

Specifications

Hardware Feature			
Model	RG-EG305GH-P-E	RG-EG310GH-P-E	RG-EG310GH-E
CPU	2 Cores, 1.35 GHz		
SDRAM/RAM	512 MB		
Flash Memory	256 MB SPI 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°F to 104°F)		
Storage Temperature	-40°C to 70°C (-40°F to 158°F)		
Operating Humidity	10% to 90% Noncondensing		

Specifications

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

Package Contents

Device	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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