RG-EG105GW

ENTERPRISE GIGABIT WIRELESS ROUTER

Product Overview

Ruijie Real-Easy Series RG-EG105GW is a high-performance enterprise-grade wireless router designed for small enterprise offices. The brushed aluminum top cover of the metal casing shields external interference, thereby improving the quality of signal transmission and the stability of the device.

RG-EG105GW provides 4x 10/100/1000 LAN ports (including 1x LAN/WAN port) and 1 fixed WAN port. The dual WAN ports support up to 500Mbps connections with a maximum of 100 clients per router and 60 wireless users.

With concurrent 2.4GHz and 5.8GHz, the RG-EG105GW supports up to 450Mbps at 2.4G and up to 867Mbps at 5.8GHz. Equipped with 802.11ac Wave2 RF chip, RG-EG105GW supports stable wireless speeds using MU-MIMO technology.

RG-EG105GW supports policy-based routing of multiple WAN ports, and offers various online authentication methods including WeChat, SMS, and one-click authentication by integrating with the MACC cloud platform. RG-EG105GW can perform per-port VLAN configuration to achieve port isolation and integrate with smart flow control to achieve comprehensive network planning. RG-EG105GW supports rich scenario-based application configurations to meet the application needs of small enterprises, small and medium-sized businesses.

The built-in network controller can centrally manage up to 32 Ruijie Real-easy Series EAPs and RAPs which supports up to 128 ES200 Series switches..

With the unified management of RG-EG105GW, the entire network can be centrally configured through the mobile app and MACC cloud platform for remote management and fault diagnosis. It also supports daily configuration tasks via WeChat to truly achieve multi-end management on the mobile terminal and PC anytime, anywhere.

Technical Specifications

Model	RG-EG105GW
Basic specifications	
Fixed ports	5x 10/100/1000 Mbps, supporting up to 2x WAN ports (Default: 1x WAN port, 4x LAN ports; LAN3 can be switched to WAN1 port) 1 USB2.0 port
RAM	128MB
Flash	16MB
Antenna	3x 2.4GHz blade antennas (maximum gain 5dBi) 2x 5.8GHz blade antennas (maximum gain 5dBi)
Protocol	Concurrent 802.11a/n/ac/ac Wave2 and 802.11b/g/n
Operating bands	**2.4GHz:**2.4GHz ~ 2.483GHz, **5.8GHz:** 5.150-5.350GHz, 5.725-5.850 GHz
Spatial streams	5 spatial streams per router 3 spatial streams at 2.4GHz 2 spatial streams at 5.8GHz
Maximum clients	Supports up to 100 concurrent clients Recommended number of wireless terminals: 60
Recommended bandwidth	500Mbps asymmetric bandwidth (flow control disabled) 300Mbps asymmetric bandwidth (flow control enabled)

Model	RG-EG105GW
Local power supply	Support 220V AC local power supply
Power consumption	<20W
Basic network features	
Network access	PPPoE dial-up, DHCP client, static IP, automatic identification of access methods, automatic avoidance of WAN port address conflicts, MAC cloning, obtaining account passwords from existing routers
Routing	Static routing, policy-based routing, carrier address routing, active/standby mode, load balancing based on source address, flow-based load balancing, port-based weighted load balancing of data streams
Security	ACL, IP-MAC binding, MAC address filtering, dynamic ARP, static ARP binding, NAT, NAPT, port mapping
Other protocols	DHCP Server, DHCP Client, DHCP Option43 / 138, DNS Client, DNS Server, DNS Proxy, TFTP, NTP, DDNS
Gateway	
Flow control	Support custom flow control policies, IP-based automatic bandwidth assignment
Traffic audit	Real-time traffic audit, IP traffic visualization
VPN	IPsec VPN (8 tunnels) server and client
Authentication	Marketing authentication: WeChat authentication (through external server), wifidog (SMS authentication, one-click authentication)
Wireless management	
Management capacity	In gateway mode, the maximum management capacity is 32
AP management	Support multi-SSID configuration, SSID hiding, channel setting, power setting, AP wired port setting, AP online upgrade, STA quantity setting, STA blacklist and whitelist
Roaming	Support local forwarding roaming, Layer 2 roaming, Layer 3 roaming between APs, viewing of STA roaming track
Switch management	
Management capacity	Maximum manageable switches for ES2 series: 128
Port management	Loop protection, port mirroring, port isolation, port configuration, PoE configuration, port limit, storm control, static MAC, MAC search
Status display	Port statistics, monitoring information, cable detection, VLAN configuration, MAC list
Device management	Per-device upgrade, batch upgrade
Special features	
Featured solutions	Single-cable IPTV solution, port service VLAN and network segment isolation solution, smart fault diagnosis solution, intranet penetration solution, auto-networking solution, wired relay solution (AP mode)
Flexible management	Mobile app management, WeChat management, MACC cloud platform management, local management, DDNS-free remote web management, multi-user collaboration management
Physical specifications	
Dimensions	250×170×42 (mm)
Weight	1.2kg
Temperature	Operating temperature: -10°C~40°C Storage temperature: -40°C~70°C
Humidity	Operating humidity: 5%~95% (non-condensing) Storage humidity: 5%~95% (non-condensing)