RG-EG105GW-X
Wi-Fi 6 AX3000 Wireless All-in-One Business Router

DATASHEET

Highlights

- A professional and high performance Wi-Fi 6 business router.

- Full Wi-Fi coverage with 5 high gain external antennas.

- Press button, Reyee Mesh networking done.

- Rich enterprise-grade features for business scenarios.

- Securely monitoring the NVR/IPC/internal server anytime from anywhere.

Highlight Features

Best-in-class All-in-One Wireless Router

A professional and high performance Wi-Fi 6 wireless router for small size businesses.

WiFi6 Wi-Fi 6 AX3000	5 * 5dBi Antenna	**S** Reyee Mesh	4 WAN Load Balancing	**VPN** IPSec, OpenVPN, L2TP, PPTP, etc.	Free Cloud Management

Enter the Era of Ultra-high Wi-Fi 6 Speed

With a revolutionary combination of OFDMA and 1024QAM, the latest 802.11ax standard, and the 160MHz band, RG-EG105GW-X wireless aggregation rate reaches 2.976Gbps.

RG-EG105GW-X   **2976 Mbps**

RG-EG105GW(T)   1267Mbps
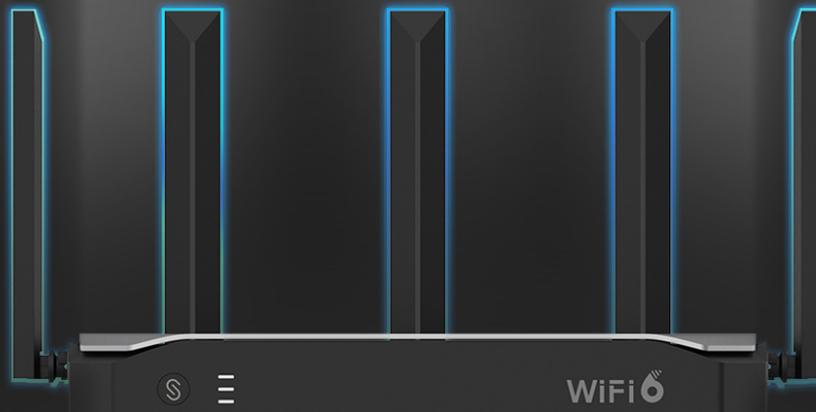
Highlight Features

Power On, Business On

Easy to set up the whole network with all-in-one wireless router by mobile APP.
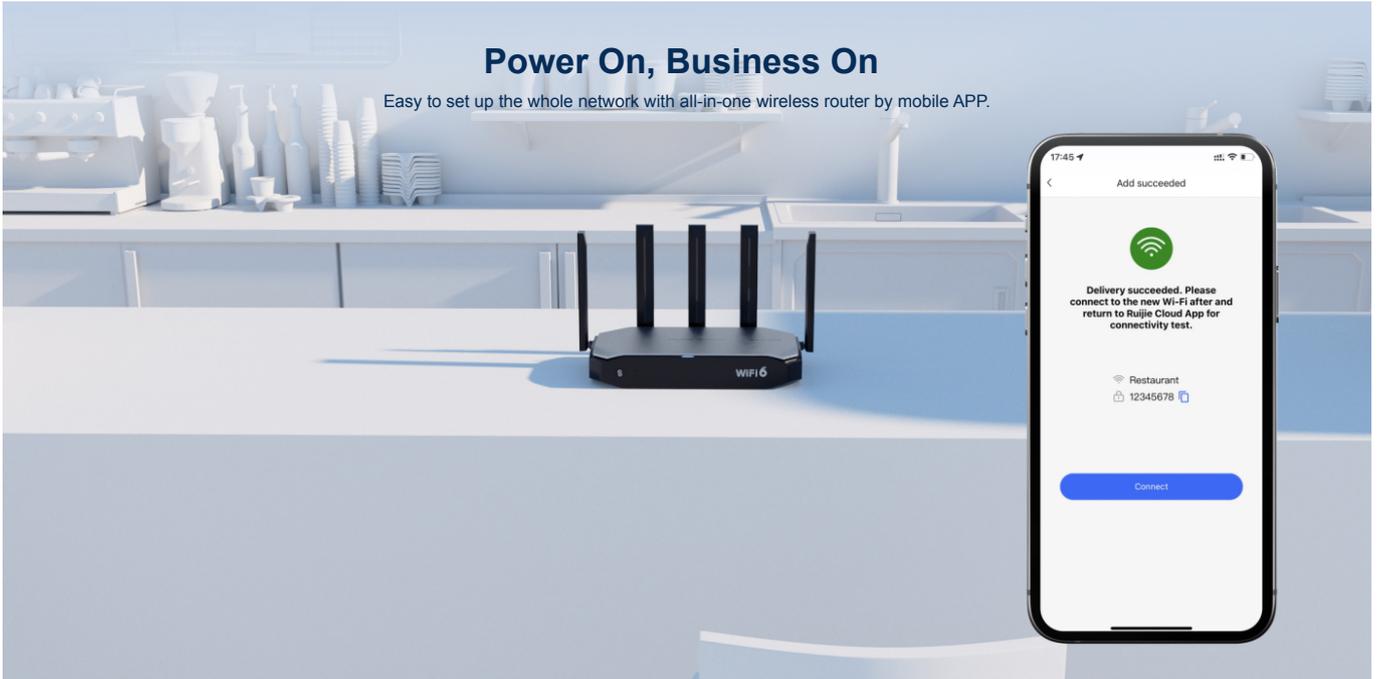
Press Button, Reyee Mesh Networking Done

Less wiring, more relaxing.

Highlight Features

New Efficient Way of Application/Bandwidth Management

Application Based Bandwidth Policy

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

User Based Bandwidth Policy

	User Group Management	**50** Mbps
	User Group Finance	**High-priority**
		30 Mbps
	User Group Other staff	**100** Mbps
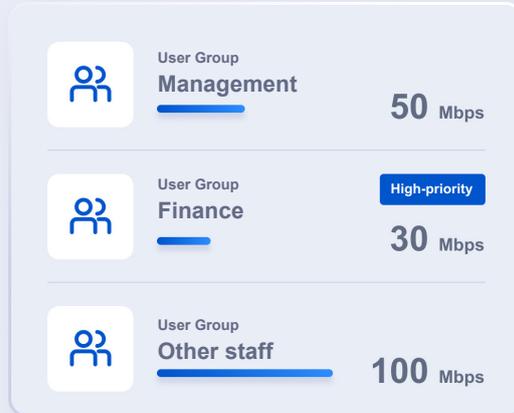
Cloud, Make Your Business Easy

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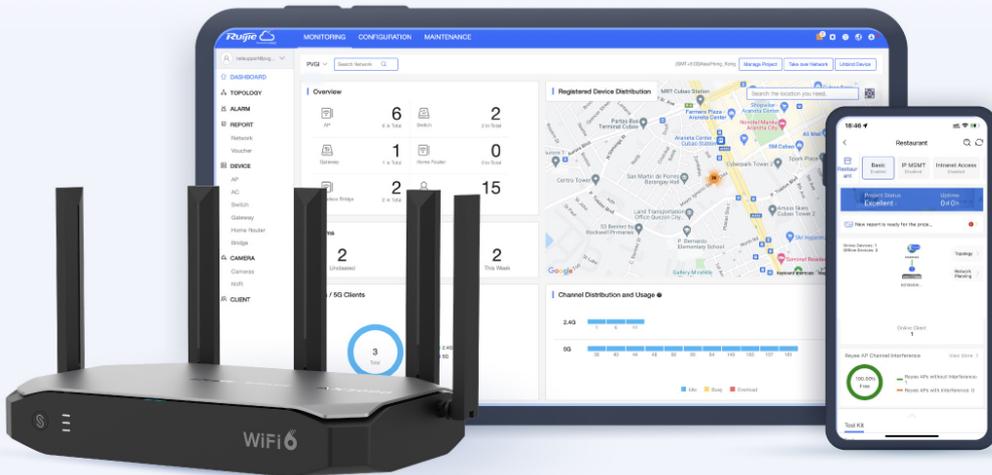
Specifications

Hardware Specifications	
Hardware Basic	
Service Ports	5 x 10/100/1000 Base-T (1 fixed WAN, 1 fixed LAN, 3 LAN/WAN switchable) 1 x USB 3.0
SDRAM/RAM	512 MB
Flash Memory	128 MB
Radio Design	2.4GHz, 2×2, MU-MIMO 5GHz, 2×2, MU-MIMO
Standard & Protocol	Wi-Fi 6 (IEEE 802.11ax) Wi-Fi 5 (IEEE 802.11ac Wave 2) Wi-Fi 4 (IEEE 802.11n) IEEE 802.11a IEEE 802.11b/g
Operation Frequency Bands	802.11b/g/n/ax: 2.400 GHz to 2.4835 GHz 802.11a/n/ac/ax: 5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz , 5.725 GHz to 5.850 GHz country-specific restrictions apply Egypt: 802.11b/g/n: 2.4 GHz ~ 2.4835 GHz 802.11a/n/ac: 5.150 GHz ~ 5.350 GHz
Antenna	5 External Antennas (2.4 GHz: 5 dBi, 5 GHz: 5 dBi)
Wireless Data Rate	2.4 GHz: 574 Mbps 5 GHz: 2402 Mbps
Max Transmit Power	5725 MHz to 5850 MHz: 33 dBm (EIRP) 5150 MHz to 5350 MHz: 23 dBm (EIRP) 2400 MHz to 2483.5 MHz: 20 dBm (EIRP) Myamar: 2400 MHz~2483.5 MHz ≤ 20 dBm 5150 MHz~5350 MHz ≤ 23 dBm 5470 MHz~5850 MHz ≤ 25 dBm Thailand: 2400 MHz~2483.5 MHz ≤ 20 dBm 5150 MHz~5350 MHz ≤ 23 dBm 5470 MHz~5725 MHz ≤ 25 dBm 5725 MHz~5850 MHz ≤ 30 dBm Egypt: 2400 MHz~2483.5 MHz ≤ 20 dBm (EIRP) 5150 MHz~5350 MHz ≤ 20 dBm (EIRP)

Specifications

Basic Feature	
Modulation	OFDM: BPSK@6/9 Mbps, QPSK@12/18 Mbps, 16QAM@24 Mbps, 64QAM@48/54 Mbps DSSS: DBPSK@1 Mbps, DQPSK@2 Mbps, and CCK@5.5/11 Mbps MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM and1024QAM OFDMA
Recommended maximum Clients	Recommended total clients: 180
	Recommended wireless clients: 80
Recommended ISP Bandwidth	1.2 Gbps
Local Power Supply	100V~240V AC, 50/ 60Hz
Max Power Consumption	20 W
Physical Parameters	
Dimensions (W x D x H)	283 mm × 172 mm × 46 mm (11.14 in. × 6.77 in. × 1.81 in.) Note: The value (46 mm/1.81 in.) only indicates the height of the main unit, excluding that of the antenna.
Weight	≤ 2 kg (4.41 lbs)
Operating Temperature	0ºC to 40ºC (32°F to 104°F)
Storage Temperature	–40ºC to 70ºC (–40°F to 158°F)
Operating Humidity	5% RH to 95% RH (non-condensing)
Storage Humidity	5% RH to 95% RH (non-condensing)
Software Specifications	
Basic Features	
Internet Access Mode	PPPoE Client DHCP Client Static IP
Access Mode Auto-Identification	✓
WAN IP Address Conflict Avoidance	✓
PPPoE Account and Password Learned from Other Routers	✓

Specifications

Software Specifications	
VLAN	8
IPv6	✓
Network Management	
IPTV	✓
AC Mode	✓
Behavior Management	App Block (Time/IP-based Policy) Website Filtering
Application Identification	Identify 100+ Applications, including Office, IM, Web Page, Online Shopping, Online Gaming, P2P Download and Popular Videos
Application Priority	✓
Flow Control	Smart Flow Control Custom flow Control Policies IP-based Automatic Bandwidth Assignment
Traffic Audit	Real-time Traffic Audit
Fault Diagnosis	✓
Marketing Authentication	WiFiDog (SMS Authentication and One-click Authentication)
Local Authentication	Portal Authentication Password Authentication QR Code Authentication
VPN	
L2TP VPN	✓
PPTP VPN	✓
IPsec VPN	✓
OpenVPN	✓
PPTP&L2TP&OpenVPN Accounts	100
IPsec VPN Performance	28 Mbps
L2TP VPN Performance	190 Mbps

/ Specifications

Software Specifications	
OpenVPN Performance	20 Mbps
IPsec VPN Tunnels	8
OpenVPN Tunnels	16
L2TP VPN Tunnels	8
Routing	
Static Routing	✓
RIP/RIPng	✓
Policy-based Routing	✓
Active/Standby Switchover	✓
WAN Port Load Balancing	✓
IP-based Load Balancing	✓
Flow-based Load Balancing	✓
Load Balancing Based on Weights of Member Interfaces	✓
ISP Routing	✓
Networks	
PPPoE Client	✓
PPPoE Server	✓
DHCP Server	✓
DNS Client	✓
DNS Server	✓
DNS Proxy	✓
NTP Client	✓

Specifications

Software Specifications	
DDNS	Oray DDNS DynDns NO-IP Ruijie DDNS
NAT	✓
NAPT	✓
NAT ALG	✓
Port Mapping	✓
UPnP	✓
Ruijie Cloud	✓
ACL	
ACL	✓
Time-based Extended ACL	✓
Security	
Malicious Attack Prevention	✓
ARP Binding	✓
Port Scan Attack Prevention	✓
Fragmentation Attack Prevention	✓
DoS Teardrop Attack Prevention	✓
Malformed Packet Attack Prevention	✓
DoS LAND Attack Prevention	✓
Smurf Attack Prevention	✓
SYN Flood Attack Prevention	✓

Specifications

| Software Specifications	
WLAN	
Max Managed APs	Gateway Mode: 64 (Bypass mode is not supported.)
AP Management	Multi-SSID configuration SSID hiding, channel configuration power configuration AP wired port configuration AP online upgrade STA limit STA blacklist/whitelist
Roaming	Local roaming layer 2 roaming layer 3 roaming STA roaming track
Service and Support	
Cloud Management	✓
App Management	✓
App Upgrade	✓
App Restart	✓
Scheduled Restart	✓
Local Upgrade	✓
Online Upgrade	✓
Configuration Backup	✓
Factory Settings	✓

Antenna Schematic

2.4GHz
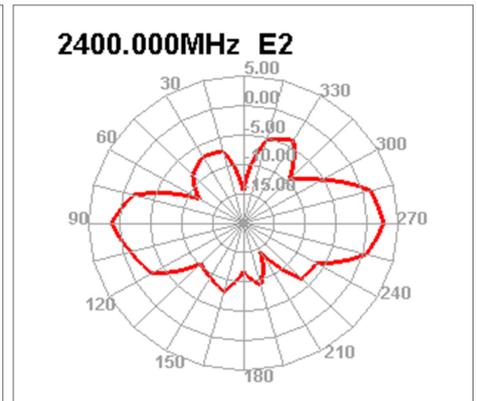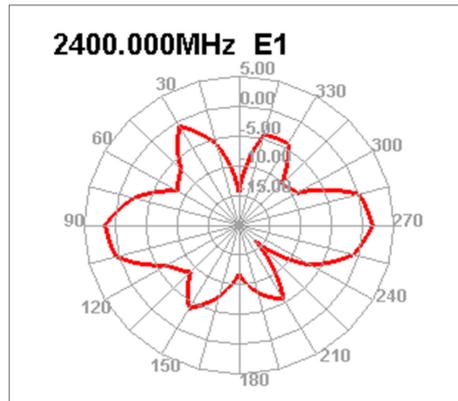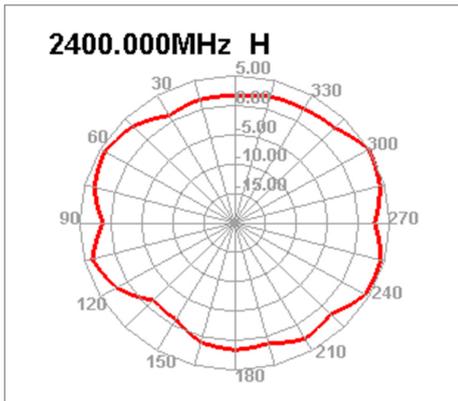
5GHz
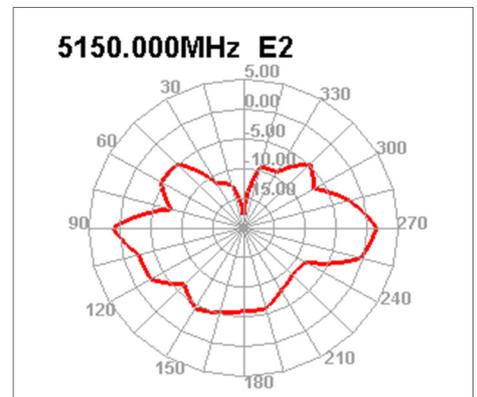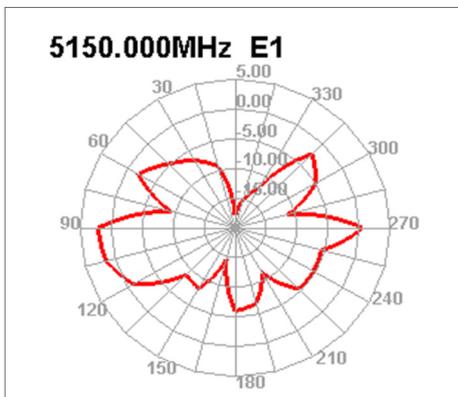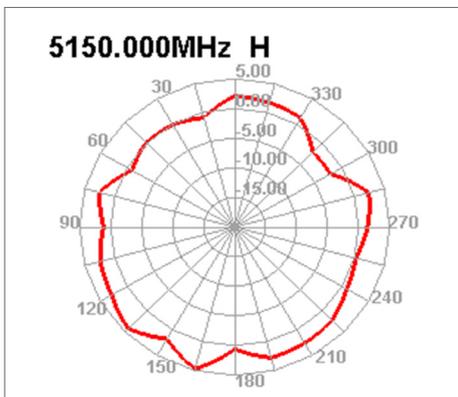
Package Contents

Package Information	RG-EG105GW-X
Router	1
Power Cord	1
User Manual	1
Warranty Card	1
Package Weight	1.71 kg
Package Dimension (w x d x h)	418 mm x 368 mm x 65 mm

Ruijie | Reyee

Redefine your easy network