

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

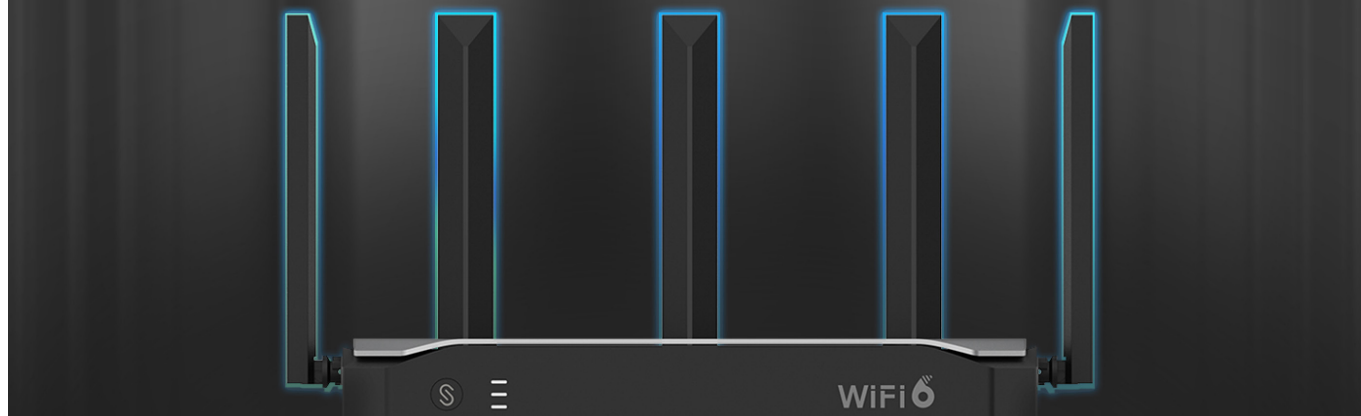
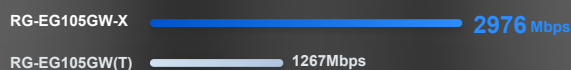
A professional and high performance Wi-Fi 6 wireless router for small size businesses.



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.



Highlight Features



Highlight Features

New Efficient Way of Application/Bandwidth Management

Application Based Bandwidth Policy

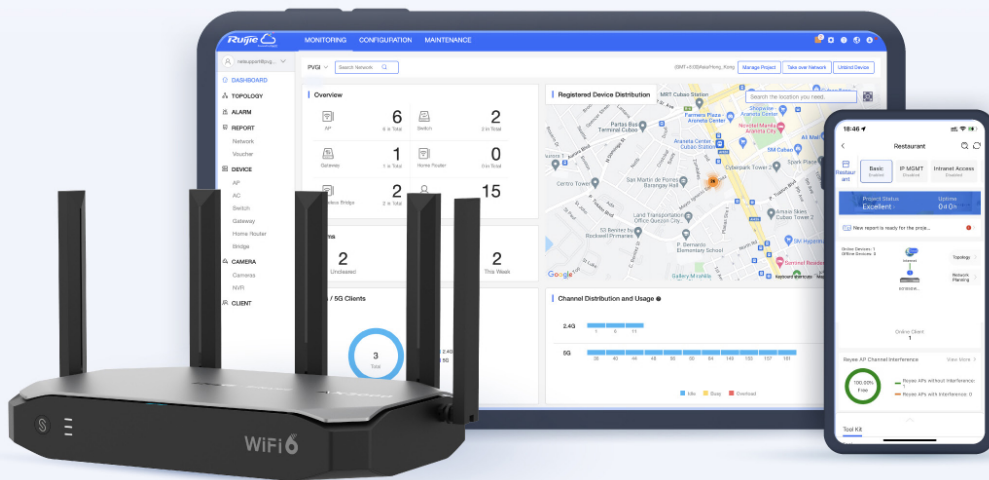
	Video Conference	High-priority 20 Mbps
	HD Video	5 Mbps
	Social Media	5 Mbps

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

- Reeye 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, 2x2, MU-MIMO 5GHz, 2x2, 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 and 1024QAM 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
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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.
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Weight ≤ 2 kg (4.41 lbs)

Operating Temperature	0°C to 40°C (32°F to 104°F)
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Storage Temperature -40°C to 70°C (-40°F to 158°F)

Operating Humidity	5% RH to 95% RH (non-condensing)
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Storage Humidity 5% RH to 95% RH (non-condensing)

Software Specifications

Basic Features

Internet Access Mode	PPPoE Client DHCP Client Static IP
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Access Mode Auto-Identification ✓

WAN IP Address Conflict Avoidance	✓
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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

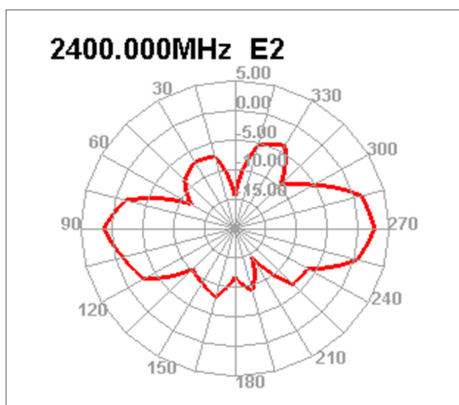
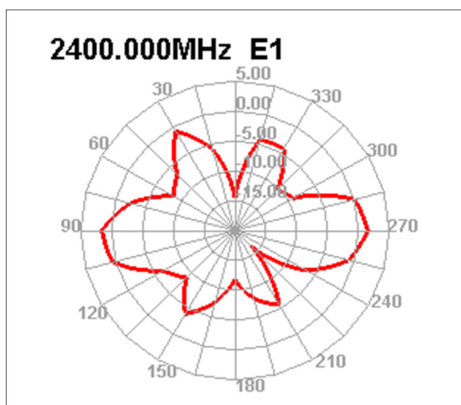
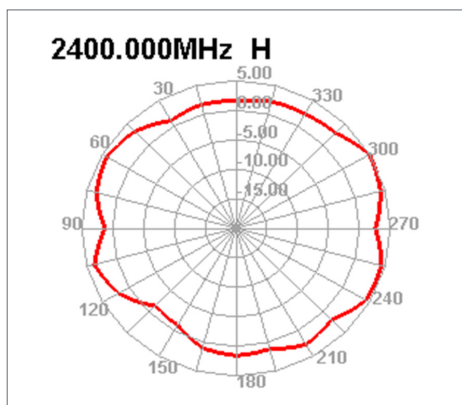
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Factory Settings

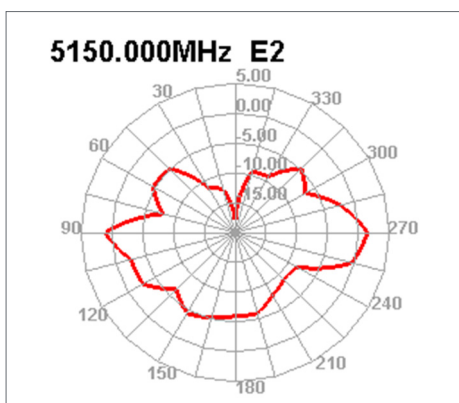
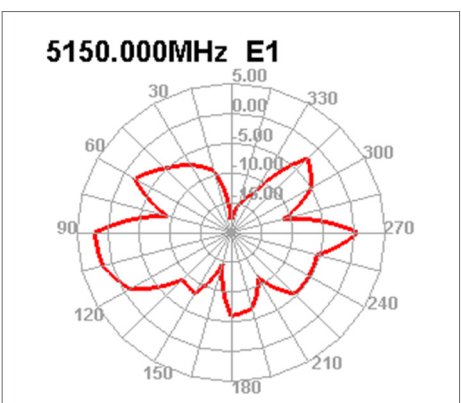
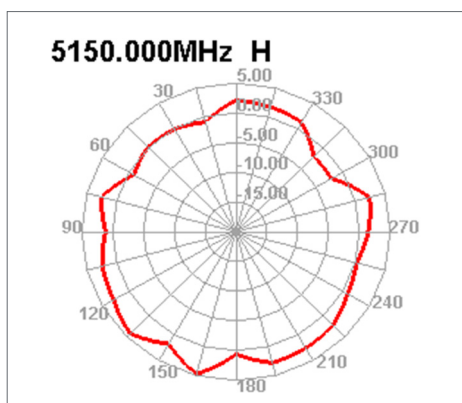
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Antenna Schematic

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

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 **Redefine your easy network**

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