

Ruijie | Reyee

RG-EG105GW(T)

Reyee AC1300 Wireless All-in-One Business Router

DATASHEET



Highlights

- A professional wireless router for small size businesses.
- Power on, business on, easy to set up the whole network by Ruijie Cloud APP.
- Press button, Reyee Mesh networking done.
- Easy to customize portal page, what you see is what you get.
- Decent design, flexible installation on desktop or wall.
- Secure access internal NVR/IPC remotely, even dynamic or private IP on uplink.

Specifications

Hardware Feature

Wireless Basic Specification

Radio	Dual-stream Dual-band
Protocol	Wi-Fi 5 (IEEE 802.11ac Wave 2/Wave1) Wi-Fi 4 (IEEE 802.11n) 802.11a/b/g
Operating Bands	802.11b/g/n: 2.4 GHz ~ 2.4835 GHz 802.11a/n/ac: 5.150 GHz ~ 5.350 GHz, 5.725 GHz ~ 5.850 GHz Country-specific restriction apply. Egypt: 802.11b/g/n: 2.4 GHz ~ 2.4835 GHz 802.11a/n/ac: 5.150 GHz ~ 5.350 GHz
Antenna	Built-in Omnidirectional Antennas (2.4 GHz: 3dBi, 5 GHz: 4dBi)
Spatial Streams	2.4 GHz: 2x2 MIMO 5 GHz: 2x2 MIMO
Max Throughput Rate	Up to 400 Mbps at 2.4 GHz Up to 867 Mbps at 5 GHz 1.267 Gbps per AP
Maximum Wi-Fi Clients	110
Recommended Wi-Fi Clients	80
Modulation	OFDM: BPSK@6/9 Mbps, QPSK@12/18 Mbps, 16-QAM@24 Mbps, 64-QAM@48/54 Mbps DSSS: DBPSK@1 Mbps, DQPSK@2 Mbps, and CCK@5.5/11 Mbps MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM and 256QAM
Receive Sensitivity	11b: -91 dBm (1 Mbps), -88 dBm (5 Mbps), -85 dBm (11 Mbps) 11a/g: -89 dBm (6 Mbps), -80 dBm (24 Mbps), -76 dBm (36 Mbps), -71 dBm (54 Mbps) 11n: -83 dBm@MCS0, -65 dBm@MCS7, -83 dBm@MCS8, -65 dBm@MCS15 11ac HT20: -83 dBm (MCS0), -57 dBm (MCS9) 11ac HT40: -79 dBm (MCS0), -57 dBm (MCS9) 11ac HT80: -76 dBm (MCS0), -51 dBm (MCS9)

Specifications

Hardware Feature

Wireless Basic Specification

Maximum Transmit Power	<p>EIRP ≤ 32 dBm (2.4GHz) ≤ 32 dBm (5GHz) country-specific restrictions apply.</p> <p>Myanmar: 2400~2483.5MHz ≤ 20dBm 5150~5350MHz ≤ 23dBm 5470~5850MHz ≤ 25dBm</p> <p>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</p> <p>Egypt: 5.150 GHz ~ 5.350 GHz: ≤ 20 dBm (EIRP) 2.4 GHz ~ 2.4835 GHz: ≤ 20 dBm (EIRP)</p>
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Router Basic Specification

Fixed WAN Port	1 × 10/100/1000 Base-T
Fixed LAN Port(s)	1 × 10/100/1000 Base-T
LAN/WAN Switchable Port(s)	3 × 10/100/1000 Base-T
Performance	600 Mbps (1500Byte, NAT+Flow Audit are enabled) 300 Mbps (1500Byte, NAT+Authentication, Application Identification, Flow Audit and Flow Control are enabled)
Recommended Total Clients	150
Power Consumption	≤ 15 W
System	
CPU	2 Cores, 880 MHz
SDRAM/RAM	256 MB
Flash Memory	32 MB SPI NOR FLASH

Specifications

Hardware Feature

Power

Power Supplies	DC 12V/1.5A
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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.)
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Physical

Indicator	1 × system LED indicator 3 × Mesh LED indicator
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Buttons	1 × Reset button 1 × Mesh button
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Dimensions(W × D × H)	120 mm × 120 mm × 28 mm (without mounting plate)
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Weight	0.251 kg (without mounting plate)
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Installation	Desk-mount /Wall-mount
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MTBF	> 400000 Hours
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Environmental

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)
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Operating Humidity	5% to 95% Noncondensing
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Storage Humidity	5% to 95% Noncondensing
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Port Surge	4 kV
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IP(Ingress Protection)	IP30
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Software Feature

Basic

Network Access Mode	PPPoE Client DHCP Client Static IP
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Specifications

Software Feature	
Basic	
Avoidance of WAN IP Address Conflicts	✓
Learning PPPoE Account & Password	✓
VLAN	Support, handle maximum 8 VLANs
IPv6	✓
WLAN	
WLAN Security	WPA/WPA 2
Reyee Mesh	✓
Repeater	✓
Roaming	L2 Roaming L3 Roaming
Networks	
IPTV	✓
AC Mode	No support
Behavior Management	App Block (Time/IP-based Policy) Website Filtering (Built-in about 800 common website URLs, Domain name blocking in https certificates, Time and IP-based policies) Website Filtering (Custom URL) Black and whitelist (Time/IP-based Policy) User/User Group Policy App blocking VPN client traffic App blocking PPPoE client traffic
Application Recognition	International feature database
Application Priority	✓
Flow Control	Custom flow Control Policies Channel bandwidth/priority based on user/user group + application/application group, FIFO configuration Channel bandwidth/priority based on user/user group + application/application group, per-IP configuration IP-based Automatic Bandwidth Assignment

Specifications

Software Feature	
Networks	
Traffic Audit	Real-time Traffic Audit IP traffic visualization
Diagnosis	✓
Marketing authentication	Wi-FiDog (SMS authentication and one-click authentication) Wi-FiDog authentication across Layer 3 switches (based on IP) No traffic offline detection Portal fault escape
Local authentication	Account password authentication QR Code Authentication Authentication across Layer 3 switches (IP based)
VPN	
L2TP VPN	✓
PPTP VPN	✓
IPsec VPN	✓
OpenVPN	✓
No. of PPTP&L2TP&OpenVPN Account	30
Overall IPsec VPN Performance	24 Mbps
Overall L2TP VPN Performance	140 Mbps
Overall OPENVPN Performance	20 Mbps
IPsec VPN Tunnels	8
OpenVPN Tunnels	16
L2TP VPN Tunnels	8
Routing	
Static routing	✓
RIP/RIPng	✓

Specifications

Software Feature	
Routing	
Policy-Based Routing (PBR)	✓
WAN Port Failover	✓
WAN Load Balancing	✓
Load balancing based on source address	✓
Flow-based Load Balancing	✓
Port-based weighted load balancing of data streams	✓
Networks	
PPPoE Client	✓
PPPoE Server	✓
DHCP Server	✓
DNS Client	✓
DNS Server	✓
DNS Proxy	✓
NTP Client	✓
DDNS	DynDns, NO-IP, Ruijie DDNS
NAT	✓
NAPT	✓
NAT ALG	✓
Port Mapping	✓
UPnP	✓
MACC	✓

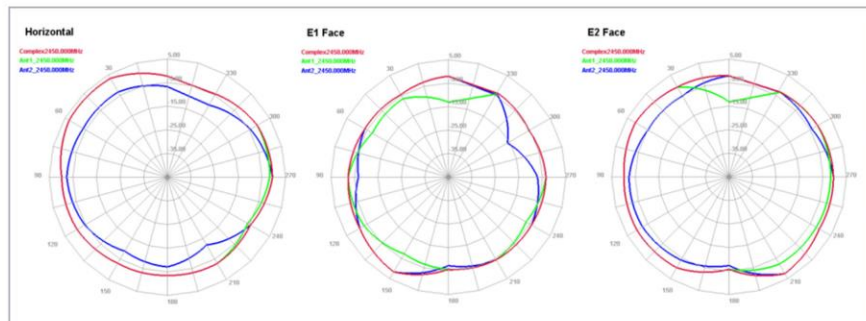
Specifications

Software Feature	
ACL	
ACL	✓
Time-based ACLs	✓
Security	
Malicious Attacks Defense	✓
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	✓
Service and Support	
Cloud Management	✓
APP Management	✓
APP Upgrade	✓
APP Restart	✓
Scheduled Restart	✓
Default Access/Password	192.168.110.1 No Password Required by Default
URL Access	https://www.ruijienetworks.com/
Local Upgrade	✓
Online Upgrade	✓

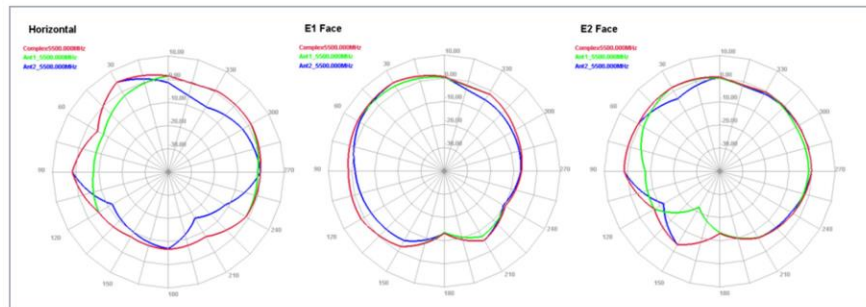
Specifications

Software Feature	
Service and Support	
Backup	✓
Factory Reset	✓
Language	Chinese English Vietnamese Indonesian Thai Arabic Traditional Chinese Spanish Russian

Antenna Schematic



2450MHz



5500MHz

Package Contents

Device	RG-EG105GW(T)
RG-EG105GW(T) Router	1
User Manual	1
Power Adapter	1
Warranty Card	1
Mounting Bracket (With 4 Foot Pads)	1
CA3 × 24 mm Bolt	2
E × pansion Anchor	2
Package Weight	0.56 kg
Package Dimension (w × d × h)	180 mm × 130 mm × 86 mm

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Redefine your easy network

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