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.

Highlight Features

RG-EG105GW(T)

Small Size, Strong Ability

A professional wireless router for small size businesses.

- Wi-Fi 5 1267Mbps
- Reyee Mesh Technology
- 4 WAN Load Balancing
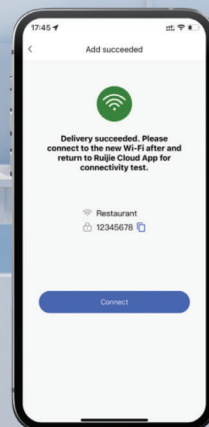- VPN IPSec, OpenVPN, L2TP, PPTP, etc.
- Multiple VLAN
- Free Cloud Management

Power On, Business On

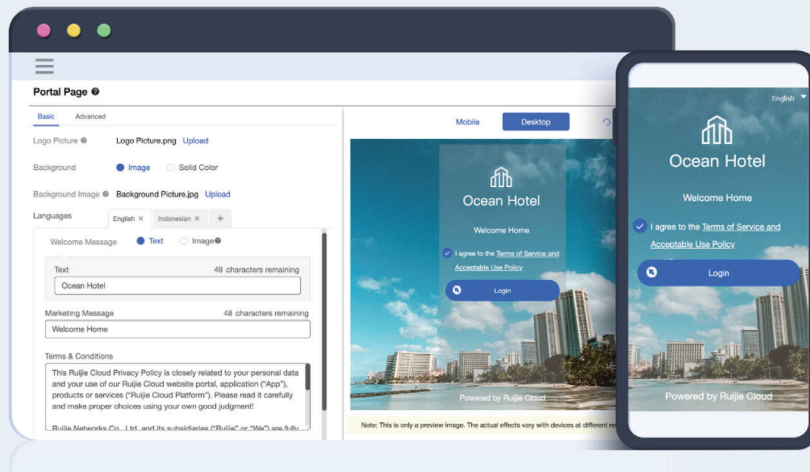Easy to set up the whole network with all-in-one wireless router.

Press Button, Reyee Mesh Networking Done

Less wiring, more relaxing.

Highlight Features

Customize Portal Page, What You See is What You Get

Decent Design, Flexible Installation

Desktop(vertical)   Desktop(Horizontal)   **Wall Mount**

Highlight Features
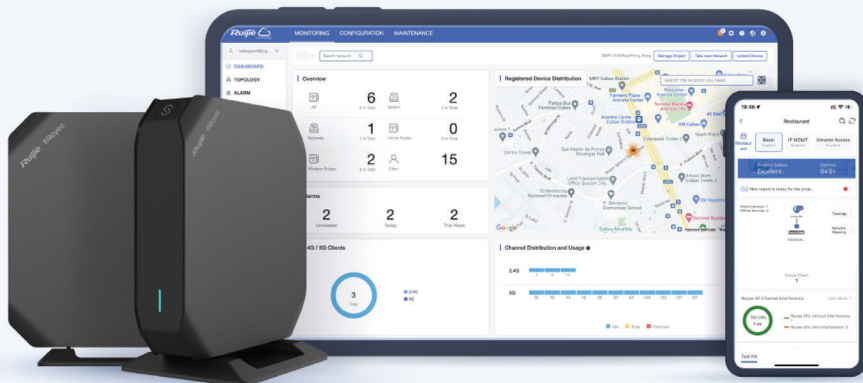
Secure Access Internal Device Remotely

No matter dynamic or even private IP on gateway WAN port,
Securely monitoring the NVR/IPC/Internal Server anytime from anywhere.

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 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	EIRP ≤ 32 dBm (2.4GHz) ≤ 32 dBm (5GHz) country-specific restrictions apply. Myanmar: 2400~2483.5MHz ≤ 20dBm 5150~5350MHz ≤ 23dBm 5470~5850MHz ≤ 25dBm 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: 5.150 GHz ~ 5.350 GHz: ≤20 dBm (EIRP) 2.4 GHz ~ 2.4835 GHz: ≤20 dBm (EIRP)
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, Applicaation 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
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.)
Physical	
Indicator	1 × system LED indicator 3 × Mesh LED indicator
Buttons	1 × Reset button 1 × Mesh button
Dimensions(W × D × H)	120 mm × 120 mm × 28 mm (without mounting plate)
Weight	0.251 kg (without mounting plate)
Installation	Desk-mount /Wall-mount
MTBF	> 400000 Hours
Environmental	
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	5% to 95% Noncondensing
Storage Humidity	5% to 95% Noncondensing
Port Surge	4 kV
IP(Ingress Protection)	IP30
Software Feature	
Basic	
Network Access Mode	PPPoE Client DHCP Client Static IP

/ 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
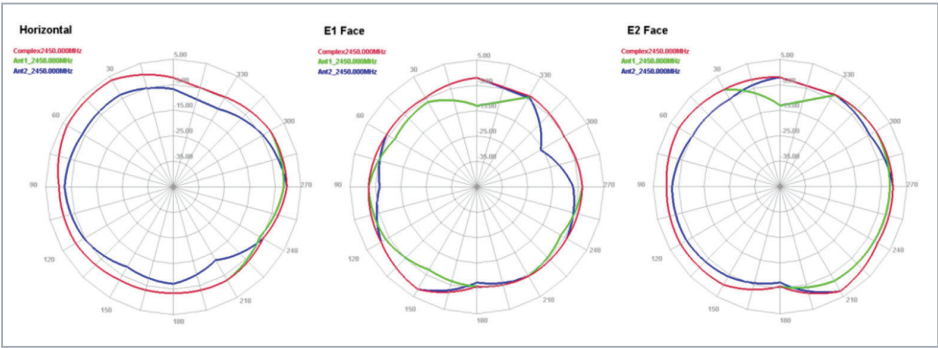
2450MHz
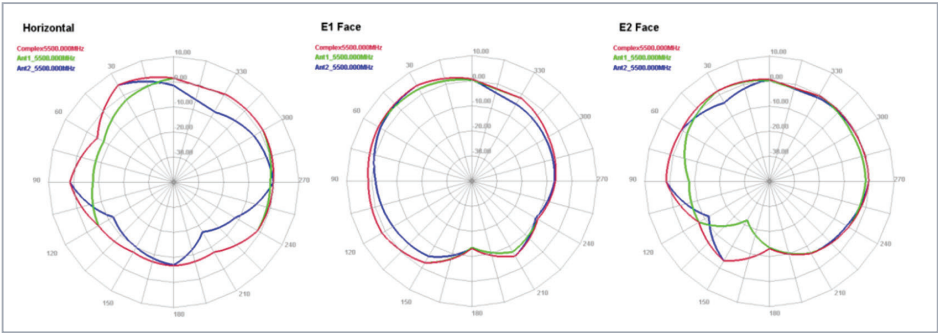
5500MHz

/ 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

Ruijie | Reyee

Redefine your easy network