

# 1.3 Gbps EG Series Wi-Fi 5 Mesh Gigabit Router Dual-band 802.11ac Wave 2 RG-EG105GW(T)



The RG-EG105GW(T) is a high-performance Wi-Fi 5 Gigabit mesh router, delivering speeds of up to 400 Mbps on 2.4 GHz and 867 Mbps on 5 GHz, for a combined total of 1,267 Mbps. Equipped with built-in omnidirectional antennas, it offers a sleek and modern appearance while ensuring Wi-Fi coverage throughout homes, offices, and commercial spaces. Seamlessly integrate with other EG series routers and Reyee access points using mesh technology, and manage your network easily via the free cloud-based app.

## 3-Year Manufacturer's Warranty

Refer to website for full terms & conditions

## Features and Benefits

- » Wi-Fi 5 dual-band (802.11ac Wave 2): Delivers combined speeds up to 1267 Mbps, supporting up to 150 simultaneous users—ideal for high-density business environments.
- » Mesh technology: Enables seamless roaming and unified connectivity when paired with EG series routers and Reyee access points.
- » Versatile connectivity: Includes one fixed WAN, one fixed LAN, 3 LAN/WAN switchable ports, and 1 USB 2.0; supports RJ45 10/100/1000 Mbps for flexible deployment.
- » Sleek integrated antennas: Built-in omnidirectional antennas provide strong signal coverage in a modern, compact design with options for desktop or wall mounting.
- » Enterprise-grade features: Equipped with advanced capabilities to meet the demands of business networks, including multiple VPN protocols.
- » Effortless setup and management: Easily configure and control your network with the intuitive Ruijie cloud app.



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## RG-EG105GW(T)



|                                                    |                                                    |
|----------------------------------------------------|----------------------------------------------------|
| <b>Basic</b>                                       |                                                    |
| Number of Fixed WAN Ports                          | 1                                                  |
| Number of Fixed LAN Ports                          | 1                                                  |
| Number of WAN Ports                                | 4                                                  |
| Number of LAN Ports                                | 4                                                  |
| WAN Port Rate                                      | 10/100/1000 BASE-T                                 |
| LAN Port Rate                                      | 10/100/1000 BASE-T                                 |
| Number of LAN/WAN Ports                            | 3                                                  |
| Number of 10/100/1000BASE-T Ports                  | 5                                                  |
| Number of 10/100/1000/2500BASE-T Ports             | NA                                                 |
| Number of 100/1000/2.5G/5G/10GBASE-T Ethernet port | NA                                                 |
| Number of 1 Gbps Optical Ports (SFP)               | NA                                                 |
| Number of 10 Gbps Optical Ports (SFP+)             | NA                                                 |
| Total Number of RJ45 Ports                         | 5                                                  |
| Total Number of Optical Ports                      | NA                                                 |
| Management Port                                    | NA                                                 |
| PoE                                                | No                                                 |
| PoE Standard                                       | NA                                                 |
| Max. PoE Power Budget                              | NA                                                 |
| Max. Number of PoE Ports                           | NA                                                 |
| Max. Power Output per PoE Port                     | NA                                                 |
| Dimensions (W x D x H)                             | 120 mm x 120 mm x 28 mm (without mounting plate)   |
| Net Weight                                         | 0.251 Kg                                           |
| <b>Hardware specification</b>                      |                                                    |
| Flash Memory                                       | 32 MB SPI NOR FLASH                                |
| SDRAM                                              | 256 MB                                             |
| CPU                                                | 880 MHz                                            |
| Mounting                                           | Desktop/Wall                                       |
| LEDs                                               | 1 x System LED indicator<br>3 x Mesh LED indicator |
| Reset Buttons                                      | Yes                                                |

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| <b>DC Power Connector Size</b>        | Outer Diameter: 5.5 mm<br>Inner Diameter: 2.1 mm<br>Length: 10 mm |
| <b>Cooling</b>                        | Natural heat dissipation                                          |
| <b>Number of Fans</b>                 | Fanless                                                           |
| <b>Airflow</b>                        | NA                                                                |
| <b>Fan Status Monitoring</b>          | NA                                                                |
| <b>Operating Temperature</b>          | 0°C to 40°C (32°F to 104°F)                                       |
| <b>Storage Temperature</b>            | -40°C to +70°C (-40°F to +158°F)                                  |
| <b>Operating Humidity</b>             | 5% to 95% (non-condensing)                                        |
| <b>Storage Humidity</b>               | 5% to 95% (non-condensing)                                        |
| <b>IP Rating</b>                      | IP30                                                              |
| <b>Power Supply Surge Protection</b>  | NA                                                                |
| <b>Port Surge Protection</b>          | ±4 kV (level R PASS)                                              |
| <b>Recommended Concurrent Clients</b> | 150                                                               |
| <b>Hard Disk Drive</b>                | NA                                                                |
| <b>USB</b>                            | 1 (USB2.0)                                                        |
| <b>Max. Power Consumption</b>         | 15 W                                                              |
| <b>PoE</b>                            | No                                                                |
| <b>Max. PoE Power Budget</b>          | NA                                                                |
| <b>Max. Number of PoE Ports</b>       | NA                                                                |
| <b>Max. Power Output per PoE Port</b> | NA                                                                |
| <b>PoE Power Pins</b>                 | No                                                                |
| <b>Power Supply</b>                   | DC 12V/1.5A                                                       |
| <b>Internet Connection Type</b>       | PPPoE<br>DHCP<br>Static IP                                        |
| <b>Access Mode Auto Detection</b>     | Yes                                                               |
| <b>Wi-Fi Support</b>                  | Yes                                                               |
| <b>2.4 GHz Band</b>                   | Yes                                                               |
| <b>5 GHz Band</b>                     | Yes                                                               |
| <b>Wi-Fi Protocols (2.4 GHz)</b>      | Wi-Fi4: IEEE 802.11b/g/n                                          |
| <b>Wi-Fi Protocols (5 GHz)</b>        | Wi-Fi4: IEEE 802.11a/n<br>Wi-Fi5: IEEE 802.11ac Wave2             |
| <b>Wi-Fi Protocols (11AX)</b>         | N/A                                                               |
| <b>Wireless Data Rates</b>            | 1267 Mbps                                                         |
| <b>Wireless Data Rate (2.4 GHz)</b>   | 400 Mbps                                                          |
| <b>Wireless Data Rate (5 GHz)</b>     | 867 Mbps                                                          |

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|                                                   |                                                                                                                                                                               |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operating Frequency Bands</b>                  | 2.400 GHz to 2.4835 GHz<br>5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz                                                                             |
| <b>Antenna Type</b>                               | Built-in                                                                                                                                                                      |
| <b>Omni-directional</b>                           | Yes                                                                                                                                                                           |
| <b>2.4 GHz Antenna Gain</b>                       | 3.0 dBi                                                                                                                                                                       |
| <b>5 GHz Antenna Gain</b>                         | 4.0 dBi                                                                                                                                                                       |
| <b>Optimal Coverage</b>                           | 40m<br>Note: This is a reference value in an unobstructed laboratory environment                                                                                              |
| <b>Recommended Wi-Fi Coverage Range (2.4 GHz)</b> | 40m<br>Note: This is a reference value in an unobstructed laboratory environment                                                                                              |
| <b>Recommended Wi-Fi Coverage Range (5 GHz)</b>   | 40m<br>Note: This is a reference value in an unobstructed laboratory environment                                                                                              |
| <b>2.4 GHz Spatial Streams</b>                    | 2 spatial streams, 2x2 MIMO                                                                                                                                                   |
| <b>5 GHz Spatial Streams</b>                      | 2 spatial streams, 2x2 MIMO                                                                                                                                                   |
| <b>2.4 GHz Channel Width</b>                      | Auto/20/40 MHz                                                                                                                                                                |
| <b>5 GHz Channel Width</b>                        | Auto/20/40/80 MHz                                                                                                                                                             |
| <b>2.4 GHz Max. Transmit Power</b>                | 26 dBm                                                                                                                                                                        |
| <b>5 GHz Max. Transmit Power</b>                  | 26 dBm                                                                                                                                                                        |
| <b>Power Adjustment</b>                           | Yes                                                                                                                                                                           |
| <b>Modulation</b>                                 | OFDM: BPSK@6/9 Mbps, QPSK@12/18 Mbps, 16QAM@24 Mbps, 64QAM@48/54 Mbps<br>DSSS: DBPSK@1 Mbps, DQPSK@2 Mbps, and CCK@5.5/11 Mbps<br>MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM |

|                                             |                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Receiver Sensitivity</b>                 | 11b: -91dBm(1Mbps),<br>-88dBm(5.5Mbps),<br>-85dBm(11Mbps)<br>11a/g: -89dBm(6Mbps),<br>-80dBm(24Mbps),<br>-76dBm(36Mbps),<br>-71dBm(54Mbps)<br>11n: -83dBm(MCS0),<br>-65dBm(MCS7),<br>-83dBm(MCS8),<br>-65dBm(MCS15)<br>11ac:<br>20MHz: -83dBm(MCS0),<br>-57dBm(MCS9)<br>40MHz: -79dBm(MCS0),<br>-57dBm(MCS9)<br>80MHz: -76dBm(MCS0),<br>-51dBm(MCS9) |
| <b>Concurrent Wireless Clients</b>          | 60                                                                                                                                                                                                                                                                                                                                                   |
| <b>2.4 GHz Concurrent Clients</b>           | 16                                                                                                                                                                                                                                                                                                                                                   |
| <b>5 GHz Concurrent Clients</b>             | 64                                                                                                                                                                                                                                                                                                                                                   |
| <b>Software Features</b>                    |                                                                                                                                                                                                                                                                                                                                                      |
| <b>PPPoE Username and Password Learning</b> | Yes                                                                                                                                                                                                                                                                                                                                                  |
| <b>Throughput</b>                           | 600Mbps                                                                                                                                                                                                                                                                                                                                              |
| <b>PPPoE Client</b>                         | Yes                                                                                                                                                                                                                                                                                                                                                  |
| <b>PPPoE Server</b>                         | Yes                                                                                                                                                                                                                                                                                                                                                  |
| <b>Max. Number of PPPoE Accounts</b>        | 50                                                                                                                                                                                                                                                                                                                                                   |
| <b>PPPoE Concurrent Connection Limit</b>    | 15                                                                                                                                                                                                                                                                                                                                                   |
| <b>IP Address Routing based by ISP</b>      | Yes                                                                                                                                                                                                                                                                                                                                                  |
| <b>WAN IP Conflict Avoidance</b>            | Yes                                                                                                                                                                                                                                                                                                                                                  |
| <b>MAC Address Cloning</b>                  | Yes                                                                                                                                                                                                                                                                                                                                                  |
| <b>VLAN</b>                                 | Yes                                                                                                                                                                                                                                                                                                                                                  |
| <b>Max. Number of VLANs</b>                 | 16                                                                                                                                                                                                                                                                                                                                                   |
| <b>Port-based VLAN</b>                      | Yes                                                                                                                                                                                                                                                                                                                                                  |
| <b>Super VLAN</b>                           | No                                                                                                                                                                                                                                                                                                                                                   |
| <b>VLAN Priority</b>                        | Yes                                                                                                                                                                                                                                                                                                                                                  |
| <b>Bandwidth Aggregation</b>                | Yes                                                                                                                                                                                                                                                                                                                                                  |
| <b>default with Multi VLAN</b>              | No                                                                                                                                                                                                                                                                                                                                                   |
| <b>In-Room Screen Sharing</b>               | No                                                                                                                                                                                                                                                                                                                                                   |

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|                                                |     |
|------------------------------------------------|-----|
| Port Mapping                                   | Yes |
| Number of Port Mapping Rule                    | 256 |
| NAT Loopback                                   | Yes |
| Link Aggregation                               | No  |
| LAN Link Aggregation                           | No  |
| AC Mode                                        | No  |
| Behavior Management                            | Yes |
| Cloud Print                                    | Yes |
| Application Identification                     | Yes |
| Application Priority                           | Yes |
| Application Cache                              | No  |
| Application Control (Yes Time/IP-based Policy) | Yes |
| Traffic Audit                                  | Yes |
| Anti Network Sharing (Modify TTL)              | Yes |
| Network-wide Client Management                 | No  |
| Network Supervision                            | No  |
| Log Retention                                  | No  |
| Log Audit                                      | Yes |
| Log Upload                                     | Yes |
| Log Server                                     | Yes |
| Maintenance and Fault Diagnosis                | Yes |
| Web Authentication                             | No  |
| SMS Authentication                             | Yes |
| Password-based Authentication                  | Yes |
| Portal Authentication                          | Yes |
| 802.1X                                         | No  |
| One-Click Authentication                       | Yes |
| Local Portal Authentication                    | Yes |
| Voucher Authentication on Ruijie Cloud         | No  |
| Local Mode of Authentication on Ruijie Cloud   | No  |
| Custom Portal                                  | Yes |
| RADIUS Client                                  | Yes |
| RADIUS Proxy                                   | Yes |

|                                                              |          |
|--------------------------------------------------------------|----------|
| Support Authentication Via Radius                            | No       |
| Support duration/traffic Accounting Via Radius               | No       |
| Support Flowctrl Authorization Via Radius                    | No       |
| Support User Group Authorization Via Radius                  | No       |
| Support duration/traffic quota Via Radius                    | No       |
| Support PAP Authentication                                   | No       |
| Support CHAP/MS-CHAPV1/MS-CHAPV2 Authentication              | No       |
| Support MAC Authentication for Radius                        | No       |
| Third-Party API Integration                                  | No       |
| IPTV                                                         | Yes      |
| L2TP VPN                                                     | Yes      |
| PPTP VPN                                                     | Yes      |
| IPSec VPN                                                    | Yes      |
| OpenVPN                                                      | Yes      |
| Number of Universal VPN Accounts for L2TP, PPTP, and OpenVPN | 100      |
| IPSec VPN Performance (bi-direction, Typical Packets) IPV4   | 24 Mbps  |
| L2TP VPN Performance (bi-direction, Typical Packets)         | 140 Mbps |
| PPTP VPN Performance (bi-direction, Typical Packets)         | 140 Mbps |
| OPENVPN Performance (bi-direction, Typical Packets)          | 24 Mbps  |
| Number of IPsec VPN Tunnels                                  | 8        |
| Number of OpenVPN Tunnels                                    | 8        |
| Number of L2TP VPN Tunnels                                   | 8        |

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|                                     |     |
|-------------------------------------|-----|
| Number of PPTP VPN Tunnels          | 8   |
| VPN HQ/Branch Interconnection       | Yes |
| EasyVPN 1.0                         | No  |
| Number of EasyVPN Tunnels           | N/A |
| SSL VPN                             | N/A |
| Number of SSL VPN Tunnels           | N/A |
| RIPng                               | Yes |
| RIP                                 | Yes |
| OSPFv2                              | No  |
| OSPFv3                              | No  |
| WAN Failover                        | Yes |
| Static Routing                      | Yes |
| Equal Cost Multi-Path Routing       | N/A |
| Policy-Based Routing (PBR)          | Yes |
| Interface Active/Standby Switchover | Yes |
| WAN Load Balancing                  | Yes |
| IP-based Load Balancing             | Yes |
| Session-based Load Balancing        | Yes |
| Real-Time Load-based Load Balancing | Yes |
| DHCP Server                         | Yes |
| DHCP Client                         | Yes |
| DHCP Snooping                       | N/A |
| DHCP Relay                          | N/A |
| DNS Client                          | Yes |
| DNS Server                          | Yes |
| DNS Proxy                           | Yes |
| NTP Client                          | Yes |
| Oray DDNS                           | N/A |
| DynDNS                              | Yes |
| No-IP DDNS                          | Yes |
| Ruijie DDNS                         | Yes |
| 3322 DDNS                           | Yes |
| Aliyun DDNS                         | Yes |
| Cloudflare                          | Yes |
| NAT                                 | Yes |
| NAPT                                | Yes |
| UPnP                                | Yes |
| SNMP                                | Yes |

|                                         |      |
|-----------------------------------------|------|
| ACL                                     | Yes  |
| Time-based ACL                          | Yes  |
| IPv6 ACL                                | Yes  |
| Block LAN/WAN Ping                      | Yes  |
| IP-MAC Binding                          | Yes  |
| MAC Address Filtering                   | Yes  |
| Session Limit                           | Yes  |
| Fraggle Attack Defense                  | Yes  |
| Teardrop Attack Defense                 | Yes  |
| Malformed Packet Attack Defense         | Yes  |
| Land Attack Defense                     | Yes  |
| Smurf Attack Defense                    | Yes  |
| SYN Flood Attack Defense                | Yes  |
| Security Zone                           | Yes  |
| Security Logs                           | Yes  |
| Upgrade via App                         | Yes  |
| Reboot via App                          | Yes  |
| Scheduled Reboot                        | Yes  |
| HTTPS Login                             | Yes  |
| Upgrade via eWeb                        | Yes  |
| Upgrade via Ruijie Cloud                | Yes  |
| Configuration Backup                    | Yes  |
| Factory Reset                           | Yes  |
| Language                                | Yes  |
| Self-Organizing Network (SON)           | Yes  |
| Device Management                       | Yes  |
| No. of Devices Managed in Router Mode   | 150  |
| No. of Devices Managed in AC Mode       | N/A  |
| Wireless Intelligent Optimization (WIO) | Yes  |
| Flow Control                            | Yes  |
| NAT ALG                                 | Yes  |
| anyIP                                   | N/A  |
| Remote Check on App                     | Yes  |
| ARP Table Size                          | 1024 |
| ARP Binding                             | Yes  |
| Ping                                    | Yes  |
| Blocklist and Allowlist                 | Yes  |
| WAN/LAN Conversion                      | Yes  |
| Link Detection                          | Yes  |
| Multi WAN with same subnet              | Yes  |

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Router Dual-band 802.11ac Wave 2  
RG-EG105GW(T)**



|                                        |                      |
|----------------------------------------|----------------------|
| Max. Number of Concurrent Connections  | 12000                |
| SIP ALG                                | Yes                  |
| SD-WAN                                 | Yes                  |
| Number of SD-WAN Tunnels               | 24                   |
| Number of branches supported by SD-WAN | 8                    |
| SD-WAN performance                     | 80Mbps               |
| IPv6                                   | Yes                  |
| App Management                         | Yes                  |
| Web Management                         | Yes                  |
| Ruijie Cloud Management                | Yes                  |
| Stateful Firewall                      | Yes                  |
| Website filtering                      | Yes                  |
| Website Auditing                       | Yes                  |
| WMM                                    | Yes                  |
| Layer 2 Client Isolation               | Yes                  |
| Disconnecting Clients with a Low RSSI  | Yes                  |
| RSSI Threshold for Client Access       | Yes                  |
| Package Contents                       |                      |
| Power Adapter                          | Yes                  |
| Mounting Brackets                      | 1 (With 4 Foot Pads) |