# RG-EW3000GX
## AX3000 Wi-Fi 6 Dual-WAN Gigabit Router



## Highlights

- Next-generation gigabit Wi-Fi 6 standard

- Dual-WAN aggregation

- 160 MHz bandwidth

- Exclusive Reyee mesh providing full-space-coverage Wi-Fi solution

- Ruijie Reyee App, manage your home network at your fingertips

# Highlight Features

## RG-EW3000GX

### Experience WiFi 6
### Feel the Leap in Speed

Leveraging the advanced Wi-Fi 6 technology, RG-EW3000GX supports up to **4x** more device capacity and delivers a **3x** faster speed than Wi-Fi 5.

**5 Gigabit Ethernet Ports**

**5 High-Gain Antennas**

**160 MHz Bandwidth**

## Achieving Ultra-High Speed with 160MHz Bandwidth

Surpassing expectations, RG-EW3000GX supports **160MHz bandwidth**. Your network can effortlessly achieve a stable **900+ Mbps** ultra-high-speed transmission.

160 MHz

900+ Mbps

# Highlight Features

## Double WAN Ports, Double the Speed

With support for dual-gigabit access and the ability to aggregate bandwidth for a total throughput of over 1.6 Gbps.
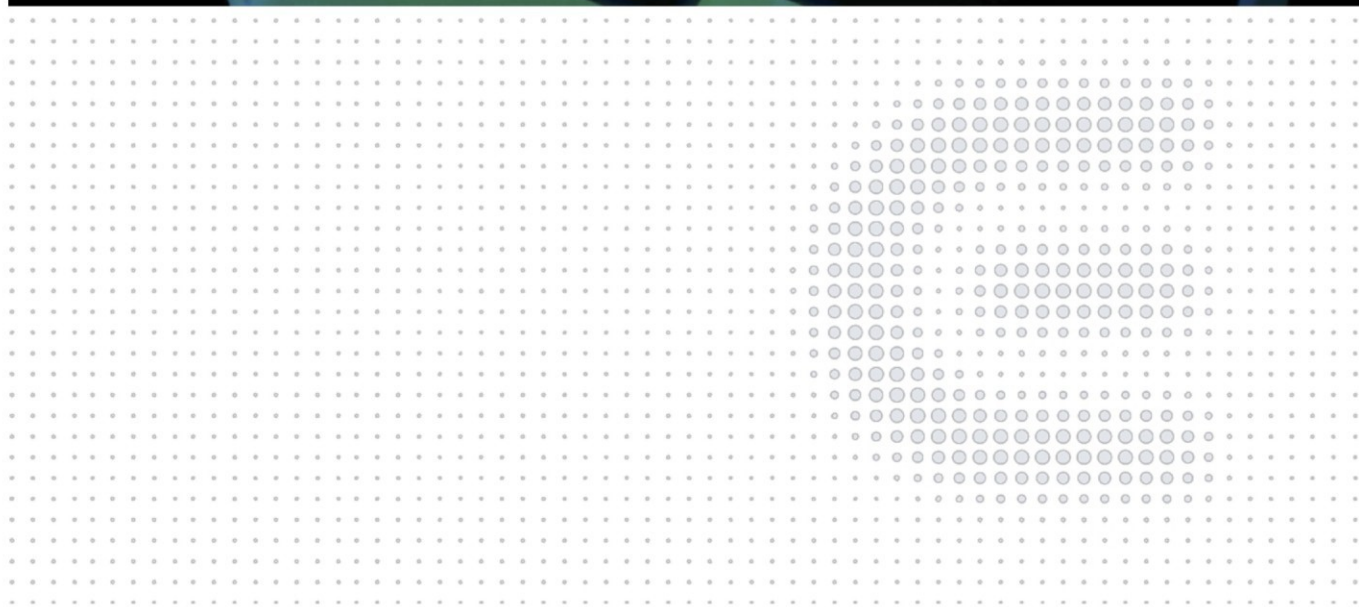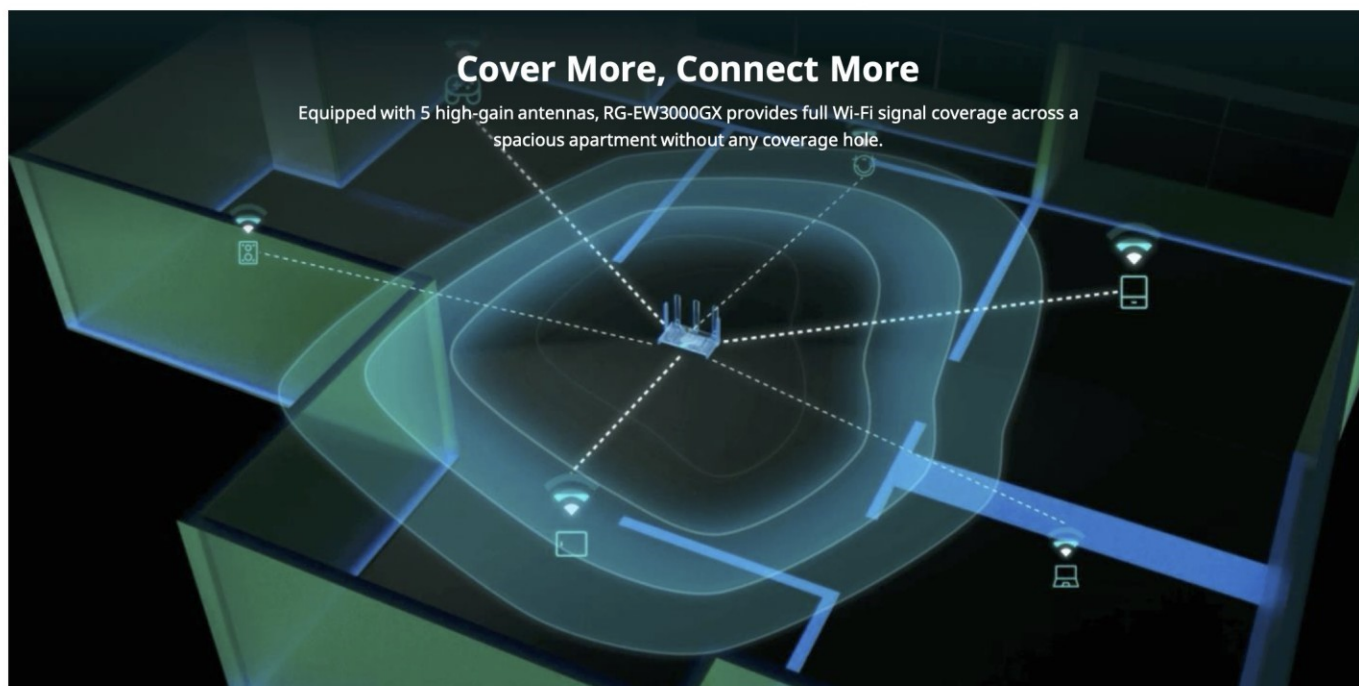
**Load Balancing**   **Link Aggregation**   **Multi-ISP Lines**

1.6 Gbps

## Cover More, Connect More

Equipped with 5 high-gain antennas, RG-EW3000GX provides full Wi-Fi signal coverage across a spacious apartment without any coverage hole.
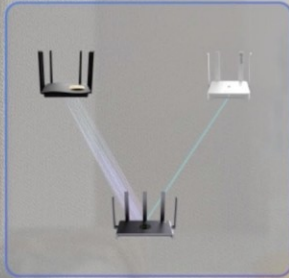
# Highlight Features

## Mix & Match, Click & Mesh
## All by Reyee Mesh

Whether it's a penthouse, a duplex, or a villa, you can mesh multiple models up with one-click Reyee Mesh to cover the entire homt

### Seamless Roaming, Full Space Coverage Wi-Fi Solutions

**Wireless & Wired Reyee Mesh**

**Wired Reyee Mesh**

**Wireless Reyee Mesh**

## Advanced Functions Make Your Network
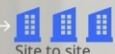
**Simpler**      Safer      Agiler

### Ruijie DDNS

Easily connect to your server anywhere & anytime with Ruijie Dynamic DNS

### Open VPN

Private Network in an on-site data center or Virtual Private Cloud.

Site to site

Remote Access

LOT Communication

## Advanced functions make your network

Simpler      **Safer**      Agiler

### WPA3

More secure encryption of passwords and enhanced protection against brute-force attacks combine to safeguard your home Wi-Fi

WPA2

WPA3

2004
Wireless Protected Access I

2018
Wireless Protected Access I

### Guest Wi-Fi

Guest Wi-Fi speed limit & Guest Wi-Fi isolation

<10Mbps

# Highlight Features

## Advanced functions make your network

Simpler      Safer      **Agiler**
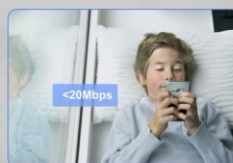
### Advanced Parental Controls

**Time Limit**

Prevent children from getting addicted to the internet by regulating their online time

**Speed Limit**

Avoid long-term occupation of high bandwidth by a certain terminal

<20Mbps

>80Mbps

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**Scenario**

17:49      5G

**Parental Control**
2 device(s) online;1 in control

**Guest Wi-Fi**
1 device(s)
Open to all guests

**Eco Mode**
Enabled

**Smart Home**
1 device(s)

**XPress**
Disabled

**Blacklist**
Disabled

## Take Control of Your Home Network at Fingertips

Set up your home network in **Reyee Router App** in two minutes. More **Life-time Free** functions are waiting for you to Explore, Experience, and Expect.
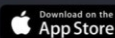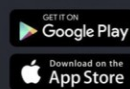
**Remote Management**

**Parental Control**

**Smart Home**

Reyee

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App Store

# / Hardware Specifications

| Model | RG-EW3000GX |
|---|---|
| **Wi-Fi Radio** | |
| **Operating band** | IEEE 802.11b/g/n/ax，2.400GHz~2.4835GHz；<br>IEEE 802.11a/n/ac/ax，5.150GHz～5.350GHz；<br>IEEE 802.11a/n/ac/ax，5.470GHz～5.725GHz；<br>IEEE 802.11a/n/ac/ax，5.725GHz～5.850GHz； |
| **FEM** | iPA |
| **Max. Wi-Fi Speed** | 2.4 GHz, 573 Mbps<br>5 GHz, 2402 Mbps |
| **Maximum transmit power** | 2.4 GHz:<br>802.11b: 23 dBm<br>802.11g: 6 Mbps 22 dBm; 54 Mbps 20 dBm<br>802.11n: MCS0 22 dBm; MCS7 19 dBm<br>802.11ax: MCS11 17 dBm<br><br>5 GHz:<br>802.11a: 6 Mbps 21.5 dBm; 54 Mbps 19.5 dBm<br>802.11n: MCS0 21.5 dBm; MCS7 20.5 dBm<br>802.11ac: MCS0 21.5 dBm; MCS9 (VHT80)　17.5 dBm<br>802.11ax: MCS0 21.5 dBm; MCS9 (VHT160) 17.5 dBm; MCS11 16.5 dBm<br><br>Note: The transmit power varies according to regulations in different countries and regions. |
| **MIMO** | 2.4 GHz, 2 x 2<br>5 GHz, 2 x 2 |
| **Wi-Fi standard** | Wi-Fi 6 (IEEE 802.11ax) |
| **Antenna** | |
| **Antenna** | 5 x external antennas |
| **Antenna gain (2.4 GHz)** | 4.5 dBi |
| **Antenna gain (5 GHz)** | 5.5 dBi |
| **Certification and Regulatory Compliance** | |
| **Certification** | CE, CB |
| **Dimensions and Weight** | |
| **Product dimensions (W x D x H)** | 240 mm × 140 mm × 32 mm (9.45 in. × 5.51 in. × 1.25 in.) (excluding antennas) |

# / Hardware Specifications

| Model | RG-EW3000GX |
|---|---|
| **Weight** | 0.45 kg (0.99 lbs) (without packaging materials)<br>0.95 kg (2.09 lbs) (with packaging materials) |
| **Environment and Reliability** | |
| **Operating humidity** | 5% RH to 95% RH (non-condensing) |
| **Operating temperature** | -10 °C to +40 °C (14 °F to 104 °F) |
| **Storage humidity** | 5% RH to 95% RH (non-condensing) |
| **Storage temperature** | -40 °C to +70 °C (-40 °F to 158 °F) |
| **Port Specifications** | |
| **LEDs** | 1 x system status LED<br>1 x Mesh LED |
| **LAN ports** | 3 x 10/100/1000BASE-T ports |
| **Number of LAN/WAN ports** | 1 x 10/100/1000BASE-T port |
| **WAN ports** | 1 x 10/100/1000BASE-T port |
| **Power Supply and Consumption** | |
| **Power supply** | DC 12 V 1.0 A |
| **Product Information** | |
| **Warranty** | 3 years |
| **System Specifications** | |
| **RAM** | 256 MB |

# Software Specifications

| Model | RG-EW3000GX |
|---|---|
| **Basic Configurations** | |
| LED management | Yes |
| Internet access mode | PPPoE, DHCP, Static IP, WISP, L2TP |
| Preconfiguration | Yes |
| Reset and keep configurations | Yes |
| Restoring factory defaults | Yes |
| Configuration backup | Yes |
| Local upgrade | Yes |
| Online upgrade | Yes |
| Scheduled upgrade | No |
| AP mode | Yes |
| **Ethernet Switching** | |
| WAN port aggregation | Yes |
| LAN port aggregation | No |
| Specifying the VLAN tag | Yes |
| **IP Service** | |
| Port mapping | Yes |
| ARP binding | Yes |
| Number of ARP binding entries | 64 |
| DDNS | Yes |
| No-IP DNS | Yes |
| Ruijie DDNS | Yes |
| NAT-DMZ | Yes |
| Number of port mapping entries | 50 |

## / Software Specifications

| Model | RG-EW3000GX |
|---|---|
| UPnP | Yes |
| **Behavior Management** | |
| Parental control | Yes |
| Client access control (based on MAC addresses) | Yes |
| Client access control (based on time) | Yes |
| Maximum number of controlled clients | 32 |
| Maximum number of parental control policies | 32 |
| Selecting clients from the client list to block their access to the Internet | Yes |
| Specifying MAC addresses of controlled clients | Yes |
| **Ethernet Interface** | |
| MAC address cloning | Yes |
| VLAN-based IPTV | Yes |
| **Flow Control** | |
| Flow control based on number of users | Yes |
| Standalone/Shared mode | Yes |
| Interface flow control | Yes |
| **IPTV/VLAN** | |
| Multiple IPTV ports | Yes |
| **Multicast** | |
| IGMP proxy | Yes |
| IGMP snooping | Yes<br>Note: Not supported by wired connections when IPTV is turned on |
| **Network Management and Monitoring** | |

# Software Specifications

| Model | RG-EW3000GX |
|---|---|
| Line detection | Yes |
| Arabic | Yes |
| Chinese (Hong Kong Traditional) | Yes |
| Chinese (Simplified) | Yes |
| English | Yes |
| Indonesian | Yes |
| Italian | Yes |
| Russian | Yes |
| Spanish (Latin America) | Yes |
| Thai | Yes |
| Turkish | Yes |
| Vietnamese | Yes |
| Ruijie Cloud management | Yes |
| Scheduled device restart | Yes |
| eWeb login password length | 8 to 63 characters |
| Wired repeater mode | Yes |
| Wireless repeater mode | Yes |
| WISP mode | Yes |
| Rate Limiting | |
| Client-based rate limiting | Yes |
| Reyee Mesh 3.0 | |
| Reyee Mesh 3.0 | Yes |
| Automatic switching between wired and wireless repeater mode | Yes |

## / Software Specifications

| Model | RG-EW3000GX |
|---|---|
| Recommended hop count | 2 |
| Maximum number of clients | 192 |
| Maximum number of devices | 32 |
| **Security** | |
| Encryption mode | Yes |
| **System Performance Capacity** | |
| Maximum number of concurrent clients | 64 (2.4 GHz)<br>128 (5 GHz) |
| Recommended number of concurrent clients | 16 (2.4 GHz)<br>64 (5 GHz) |
| IPTV/IGMP client capacity | 5 |
| IPTV/IGMP multicast capacity | 5 |
| IPTV/IGMP wired forwarding performance | 20 Mbps |
| Recommended camera limit | 6 (2.4 GHz)<br>16 (5 GHz) |
| **VPN** | |
| Number of concurrent tunnels supported by the OpenVPN server | 8 |
| Certificate authentication | Yes |
| OpenVPN bandwidth | 13 Mbps |
| OpenVPN client | Yes |
| OpenVPN server | Yes |
| Server domain name configuration | Yes |
| Username and password authentication | Yes |
| Number of concurrent tunnels supported by the PPTP VPN server | 30 |
| PPTP VPN client | Yes |

## Software Specifications

| Model | RG-EW3000GX |
|---|---|
| PPTP VPN server | Yes |
| Wireless Configuration | |
| Guest Wi-Fi | Yes |
| WLAN | |
| 1024-QAM | Yes |
| MLO | No |
| DFS | Yes |
| 802.11k/v roaming | Yes |
| Wi-Fi blocklist capacity | 64 |
| SSID hiding | Yes |

## Package Contents

| Model | RG-EW3000GX |
|---|---|
| **Accessories** | |
| Ethernet cable | 1 |
| Power adapter | 1 |
| **Device** | |
| Device | 1 |
| **Manual** | |
| User Manual | 1 |
| Warranty Card | 1 |

# RUIJIE | Reyee

Redefine your easy network