

# RG-EW3000GX PRO

## AX3000 Wi-Fi 6 Dual-band Gigabit Gaming Router



### Highlights

- Next-generation gigabit Wi-Fi 6 standard
- Dual-WAN aggregation
- Gaming engine providing unrivalled gaming experience
- Strong signals received
- Exclusive Reyee mesh providing full-space-coverage Wi-Fi solution
- Control of your home network at your fingertips

## Highlight Features

# BORN STRONG, BORN WILD

AX3000 Dual-Band Gaming Router

**RG-EW3000GX PRO**

RG-EW3000GX PRO is not only a cost-effective Wi-Fi 6 home router, but also can be used as a gaming router, with a variety of eSports functions for you to explore!



160MHz  
bandwidth



Dual-WAN  
broadband Aggregation

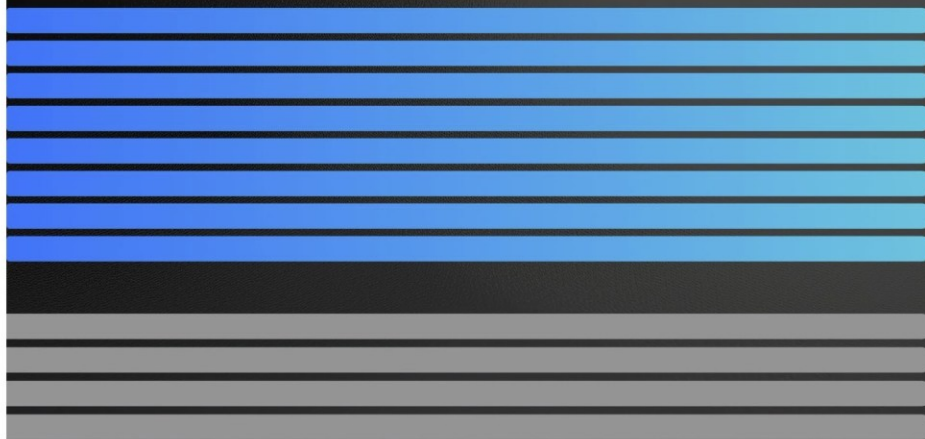


802.11ax



## 2X Capacity, 3X Faster

Ultra-fast Wi-Fi 6 design with **160MHz** channel and a concurrent data rate of up to 3000 Mbps. **Two** 1 Gbps broadband connections with a combined rate of up to **1.6 Gbps**. With MU-MIMO and BSS coloring technology, all your devices get their fair share of the WiFi bandwidth.



2 x 2, 160MHz



2 x 2, 80 MHz

\*The data compares the speed of a 2x2 Wi-Fi 6 solution on a 160 MHz channel in the 5 GHz band with the speed of a 2x2 Wi-Fi 5 solution on an 80 MHz channel in the same 5 GHz.

## WAN AGGREGATION

Total 2Gbps WAN for faster connection



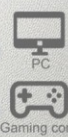
1000bps

1000bps



1000bps

1000bps



PC  
Gaming console

RG-EW3000GX PRO features WAN aggregation, delivering ultra-fast gigabit wired speed. You can enjoy a 2 Gbps wired speed from your modems all the way to your PC and gaming console.

## Accelerated Wired Connection



## Highlight Features

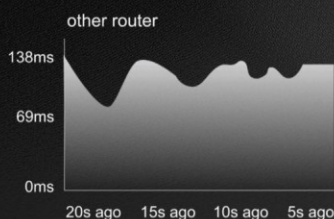
### Lag-free Gaming Experience While

#### Downloading

Three walls

Multiplayers

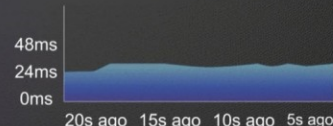
RG-EW3000GX PRO is equipped with the GameFast gaming engine, which opens up a dedicated channel for gaming services. GameFast prioritizes the identification and forwarding of game data to ensure gaming services are not affected by other services.



138ms High Ping



EW3000GX PRO



24ms Stable and Low Ping

\*Laboratory data is provided for reference purposes only

### Lag-free Gaming Experience While

Downloading

#### Three walls

Multiplayers

Five independent signal amplifiers increase the signal strength by 40%.  
Covers up to 1600 sq.ft.



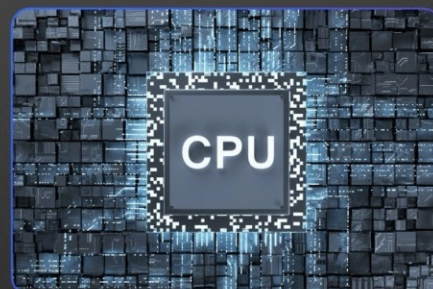
### Lag-free Gaming Experience While

Downloading

Three walls

#### Multiplayers

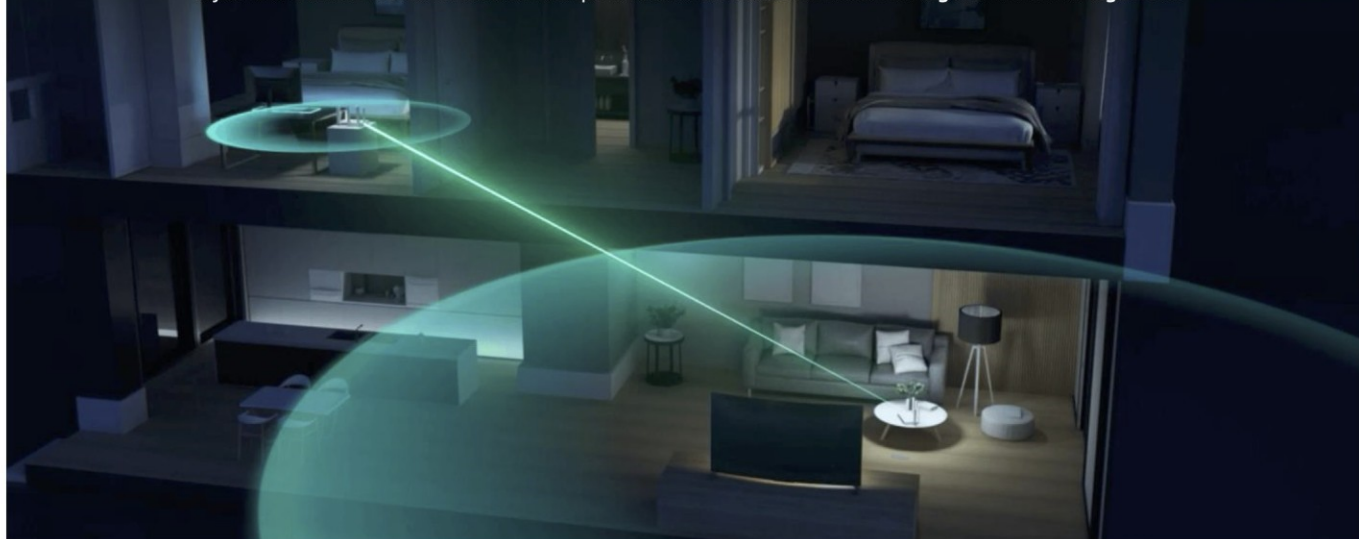
Wi-Fi QoS, Reyee self-developed technology, automatically classify the game frames into the highest-priority transmission queue, ensuring high stability in up to 10 multi-players.



## Highlight Features

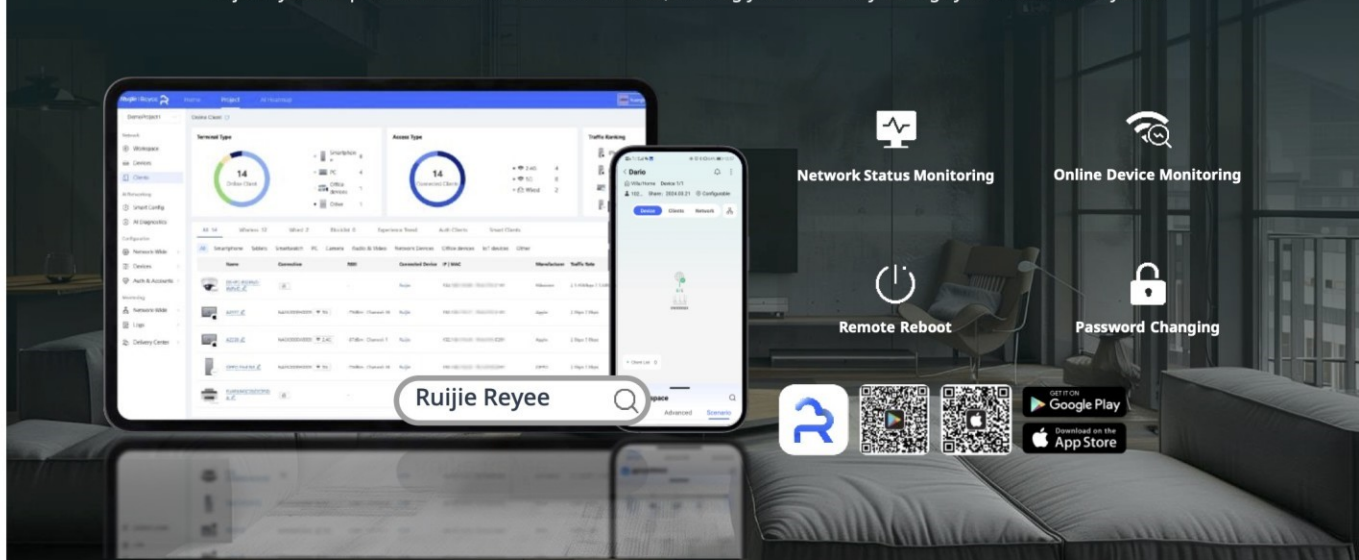
### Reyee Mesh, Easy Network Expansion

With Reyee Mesh, you do not need to worry about coverage holes anymore. Reyee Mesh supports the interconnection of all Reyee Wi-Fi 5 and Wi-Fi 6 home routers to set up a network that enables **seamless roaming** and **unified management**.



### Manage Your Home Network at Fingertips

Ruijie Reyee APP provides incredible advanced features, allowing you to remotely manage your network at any time.





## Hardware Specifications

| Model                                   | RG-EW3000GX PRO                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                     | EPA                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Max. Wi-Fi Speed                        | 2.4 GHz, 573 Mbps<br>5 GHz, 2402 Mbps                                                                                                                                                                                                                                                                                                                                                                                             |
| Maximum transmit power                  | 2.4 GHz:<br>802.11b: 26 dBm<br>802.11g: 6 Mbps 25 dBm; 54 Mbps 22 dBm<br>802.11n: MCS0 25 dBm; MCS7 21 dBm<br><br>5 GHz:<br>802.11a: 6 Mbps 26 dBm; 54 Mbps 22 dBm<br>802.11n: MCS0 26 dBm; MCS7 21 dBm<br>802.11ac: MCS0 26 dBm; MCS9 (VHT80) 20 dBm<br>802.11ax: MCS0 26 dBm; MCS9 (VHT160) 20 dBm; MCS11 (HE-SU160) 19 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)                    | 6 dBi                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Certification and Regulatory Compliance |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Certification                           | CE, CB                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Dimensions and Weight                   |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product dimensions (W x D x H)          | 618 mm × 370 mm × 403 mm (24.33 in. × 14.57 in. × 15.87 in.)<br>(excluding antennas)                                                                                                                                                                                                                                                                                                                                              |
| Weight                                  | 0.48 kg (1.06 lbs) (without packaging materials)<br>1.04 kg (2.29 lbs) (with packaging materials)                                                                                                                                                                                                                                                                                                                                 |

# / Hardware Specifications

| Model                        | RG-EW3000GX PRO                       |
|------------------------------|---------------------------------------|
| 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 1.5 A                         |
| Product Information          |                                       |
| Warranty                     | 3 years                               |
| System Specifications        |                                       |
| RAM                          | 256 MB                                |

# Software Specifications

| Model                          | RG-EW3000GX PRO                    |
|--------------------------------|------------------------------------|
| 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 PRO |
|------------------------------------------------------------------------------|-----------------|
| 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             |
| Note: Not supported by wired connections when IPTV is turned on              |                 |
| Network Management and Monitoring                                            |                 |



## Software Specifications

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



**Ruijie** | ReYee

 **R**edefine **y**our **e**asy network



**Ruijie Networks Co., Ltd.**

Official Website: <https://Reyee.Ruijie.com>