

# 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

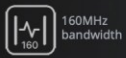
# Highlight Features

## BORN STRONG, BORN WILD

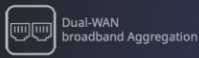
AX3000 Dual-Band Gaming Router

**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

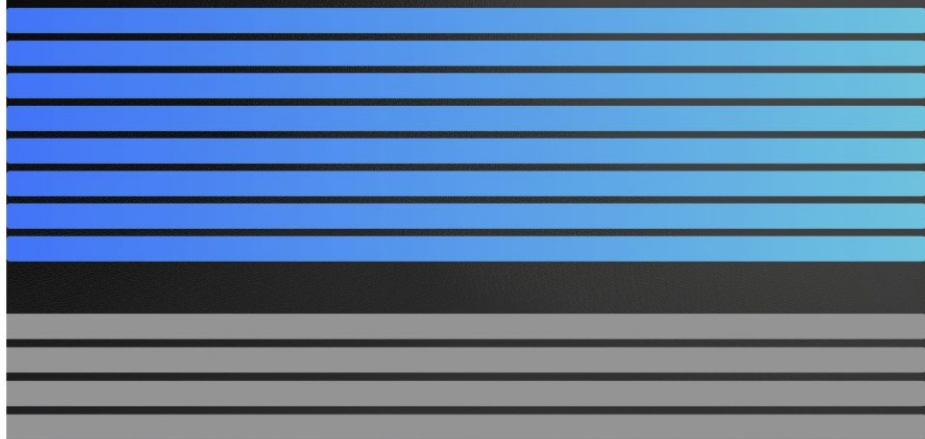


802.11ax



### 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



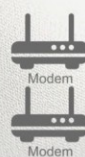
2 x 2, 80 MHz

\*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



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

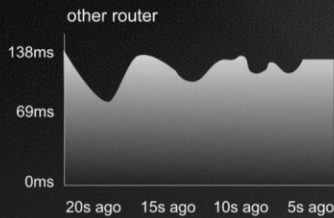
## Lag-free Gaming Experience While

### 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



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.



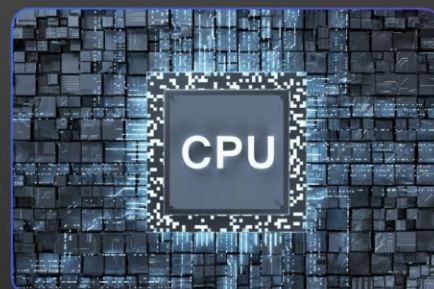
## Lag-free Gaming Experience While

Downloading

Three walls

### Multiplayers

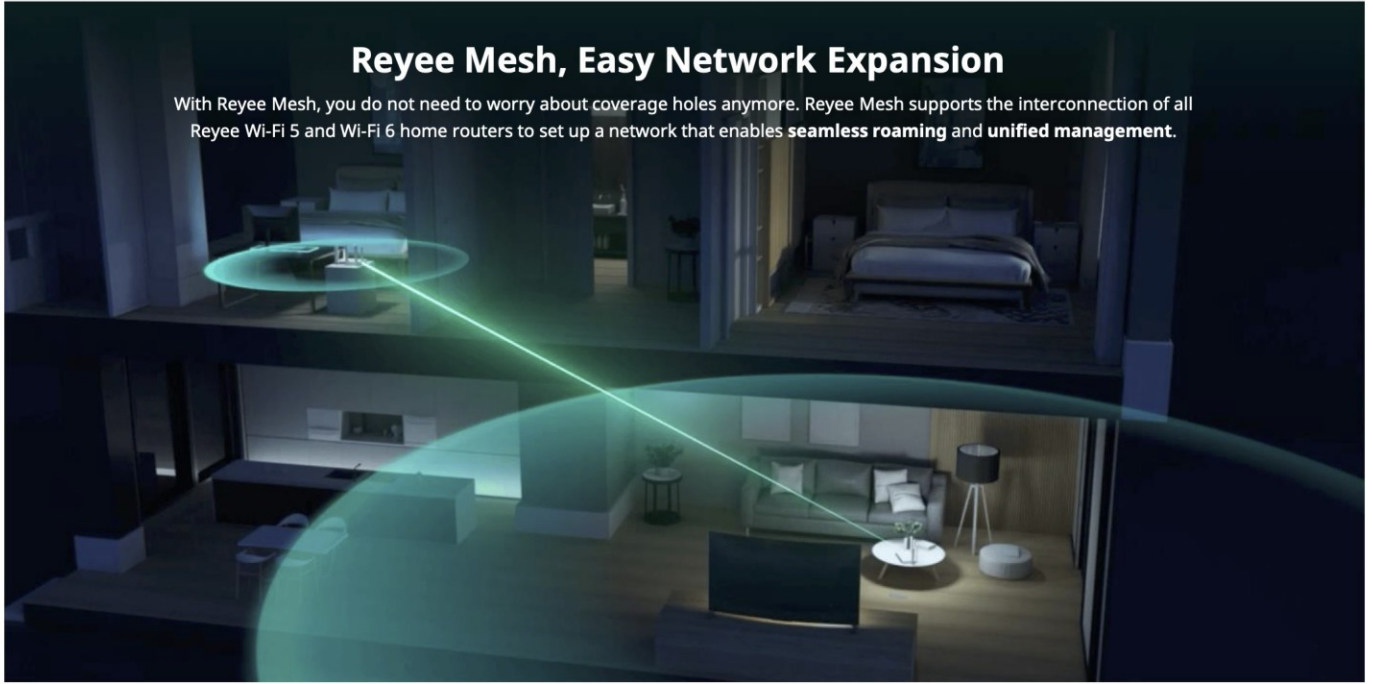
Wi-Fi QoS, Reeye self-developed technology, automatically classify the game frames into the highest-priority transmission queue, ensuring high stability in up to 10 multi-players.



# Highlight Features

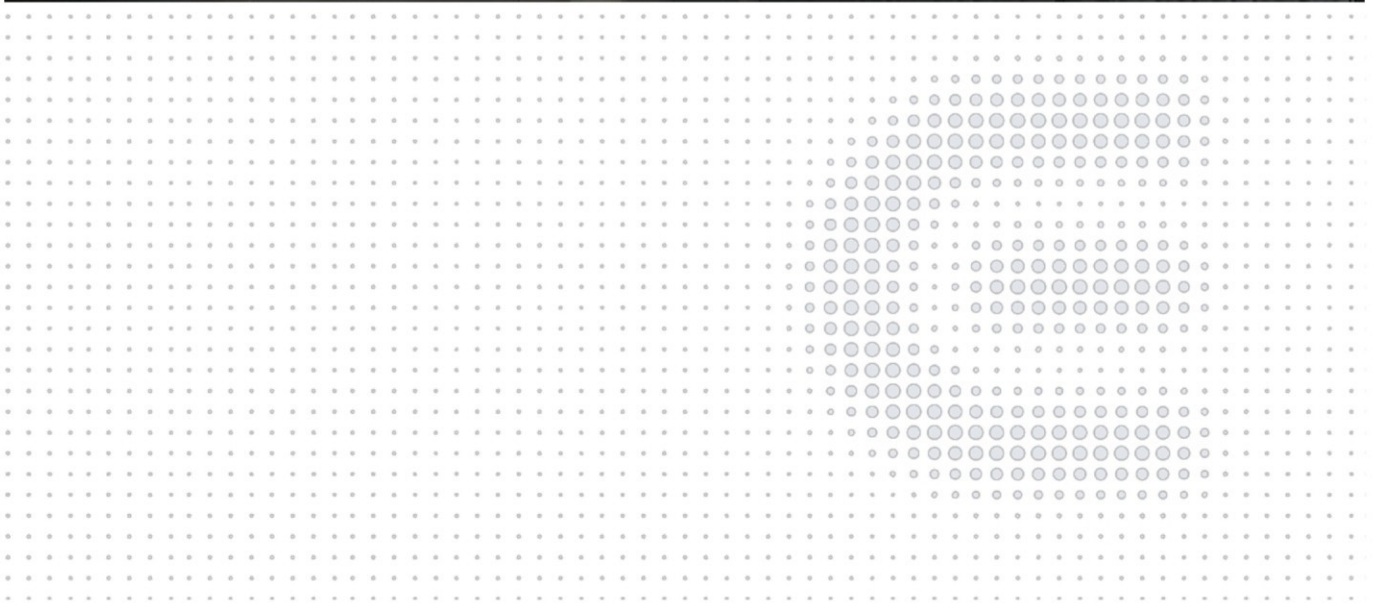
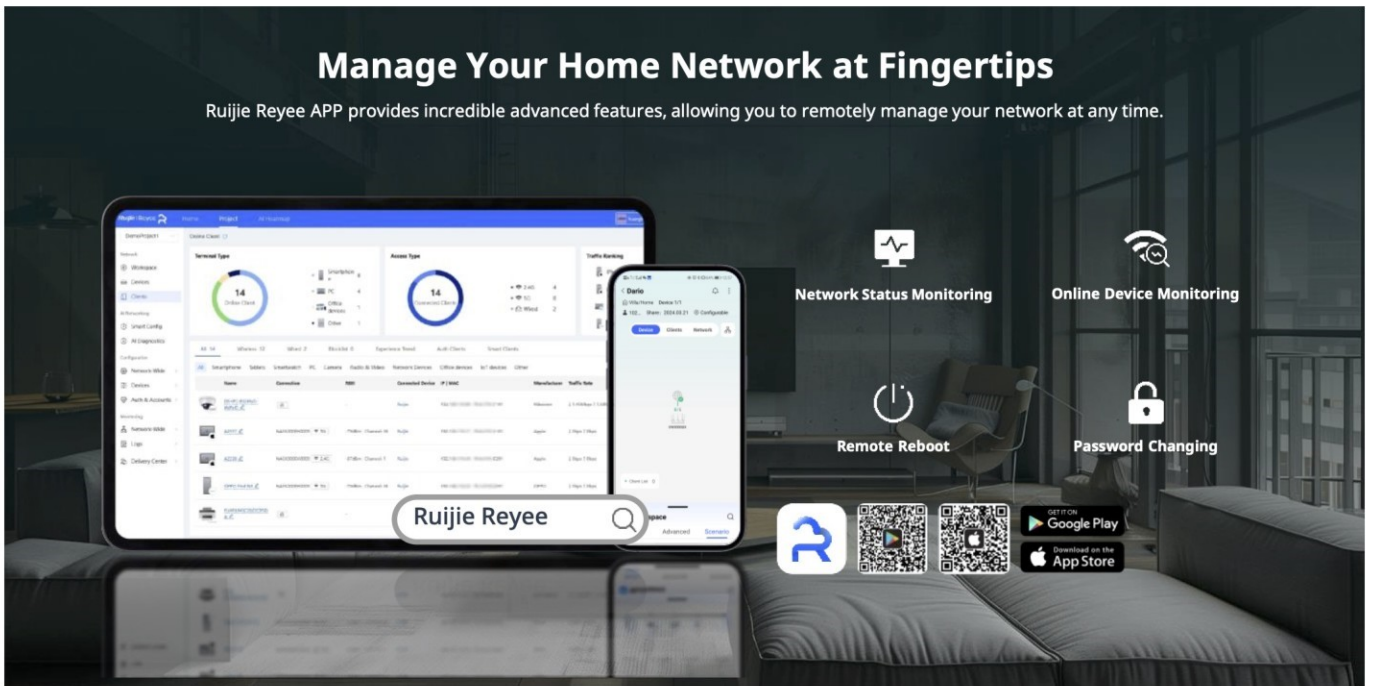
## Reyee Mesh, Easy Network Expansion

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
<b>Wi-Fi Radio</b>	
<b>Operating band</b>	IEEE 802.11b/g/n/ax, 2.400GHz~2.4835GHz; IEEE 802.11a/n/ac/ax, 5.150GHz~5.350GHz; IEEE 802.11a/n/ac/ax, 5.470GHz~5.725GHz; IEEE 802.11a/n/ac/ax, 5.725GHz~5.850GHz
<b>FEM</b>	EPA
<b>Max. Wi-Fi Speed</b>	2.4 GHz, 573 Mbps 5 GHz, 2402 Mbps
<b>Maximum transmit power</b>	<p>2.4 GHz:</p> <p>802.11b: 26 dBm</p> <p>802.11g: 6 Mbps 25 dBm; 54 Mbps 22 dBm</p> <p>802.11n: MCS0 25 dBm; MCS7 21 dBm</p> <p>5 GHz:</p> <p>802.11a: 6 Mbps 26 dBm; 54 Mbps 22 dBm</p> <p>802.11n: MCS0 26 dBm; MCS7 21 dBm</p> <p>802.11ac: MCS0 26 dBm; MCS9 (VHT80) 20 dBm</p> <p>802.11ax: MCS0 26 dBm; MCS9 (VHT160) 20 dBm; MCS11 (HE-SU160) 19 dBm</p> <p>Note: The transmit power varies according to regulations in different countries and regions.</p>
<b>Maximum transmit power(EIRP)</b>	<p>Frequency bands using and the max EIRP:</p> <p>Note: Country specific restrictions apply</p> <p>European Union &amp; United Kingdom:</p> <p>2400-2483.5 MHz, EIRP ≤ 20 dBm</p> <p>5150-5350 MHz, EIRP ≤ 23 dBm</p> <p>5470-5725 MHz, EIRP ≤ 30 dBm</p> <p>Myanmar:</p> <p>2400-2483.5 MHz, EIRP ≤ 23 dBm</p> <p>5725-5825 MHz, EIRP ≤ 30 dBm</p> <p>Thailand:</p> <p>2400-2483.5 MHz, EIRP ≤ 20 dBm</p> <p>5150-5350 MHz, EIRP ≤ 23 dBm</p> <p>5470-5725 MHz, EIRP ≤ 30 dBm</p> <p>5725-5825 MHz, EIRP ≤ 30 dBm</p> <p>Indonesia:</p> <p>2400-2483.5 MHz, EIRP ≤ 27 dBm</p> <p>5150-5350 MHz, EIRP ≤ 23 dBm</p> <p>5725-5825 MHz, EIRP ≤ 23 dBm</p> <p>Egypt:</p> <p>2400-2483.5 MHz, EIRP ≤ 20 dBm</p> <p>5150-5350 MHz, EIRP ≤ 23 dBm</p>

# Hardware Specifications

Model	RG-EW3000GX PRO
	Vietnam: 2400-2483.5 MHz, EIRP ≤ 23 dBm 5150-5350 MHz, EIRP ≤ 23 dBm 5470-5725 MHz, EIRP ≤ 30 dBm 5725-5825 MHz, EIRP ≤ 30 dBm
MIMO	2.4 GHz, 2 x 2 5 GHz, 2 x 2
Wi-Fi standard	Wi-Fi 6 (IEEE 802.11ax)
<b>Antenna</b>	
Antenna	5 x external antennas
Antenna gain (2.4 GHz)	4.5 dBi
Antenna gain (5 GHz)	6 dBi
<b>Certification and Regulatory Compliance</b>	
Certification	CE, CB
<b>Dimensions and Weight</b>	
Product dimensions (W x D x H)	618 mm × 370 mm × 403 mm (24.33 in. × 14.57 in. × 15.87 in.) (excluding antennas)
Weight	0.48 kg (1.06 lbs) (without packaging materials) 1.04 kg (2.29 lbs) (with packaging materials)
<b>Environment and Reliability</b>	
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)
<b>Port Specifications</b>	
LEDs	1 x system status LED 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

# / Hardware Specifications

Model	RG-EW300GX PRO
<b>Power Supply and Consumption</b>	
Power supply	DC 12 V 1.5 A
<b>Product Information</b>	
Warranty	3 years
<b>System Specifications</b>	
RAM	256 MB

# Software Specifications

Model	RG-EW3000GX PRO
<b>Basic Configurations</b>	
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
<b>Ethernet Switching</b>	
WAN port aggregation	Yes
LAN port aggregation	No
Specifying the VLAN tag	Yes
<b>IP Service</b>	
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
IPv6	Yes
<b>Behavior Management</b>	
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
<b>Ethernet Interface</b>	
MAC address cloning	Yes
VLAN-based IPTV	Yes
<b>Flow Control</b>	
Flow control based on number of users	Yes
Standalone/Shared mode	Yes
Interface flow control	Yes
<b>IPTV/VLAN</b>	
Multiple IPTV ports	Yes
<b>Multicast</b>	
IGMP proxy	Yes
IGMP snooping	Yes
Note: Not supported by wired connections when IPTV is turned on	

# Software Specifications

Model	RG-EW3000GX PRO
<b>Network Management and Monitoring</b>	
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
<b>Rate Limiting</b>	
Client-based rate limiting	Yes
<b>Reyee Mesh 3.0</b>	
Reyee Mesh 3.0	Yes

# Software Specifications

Model	RG-EW3000GX PRO
Automatic switching between wired and wireless repeater mode	Yes
Recommended hop count	2
Maximum number of clients	192
Maximum number of devices	32
<b>Security</b>	
Encryption mode	Yes
<b>System Performance Capacity</b>	
Maximum number of concurrent clients	64 (2.4 GHz) 128 (5 GHz)
Recommended number of concurrent clients	16 (2.4 GHz) 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) 16 (5 GHz)
<b>VPN</b>	
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

## Software Specifications

Model	RG-EW3000GX PRO
PPTP VPN client	Yes
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
<b>Accessories</b>	
Ethernet cable	1
Power adapter	1
<b>Device</b>	
Device	1
<b>Manual</b>	
User Manual	1
Warranty Card	1

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