

# RG-EW3000GX

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



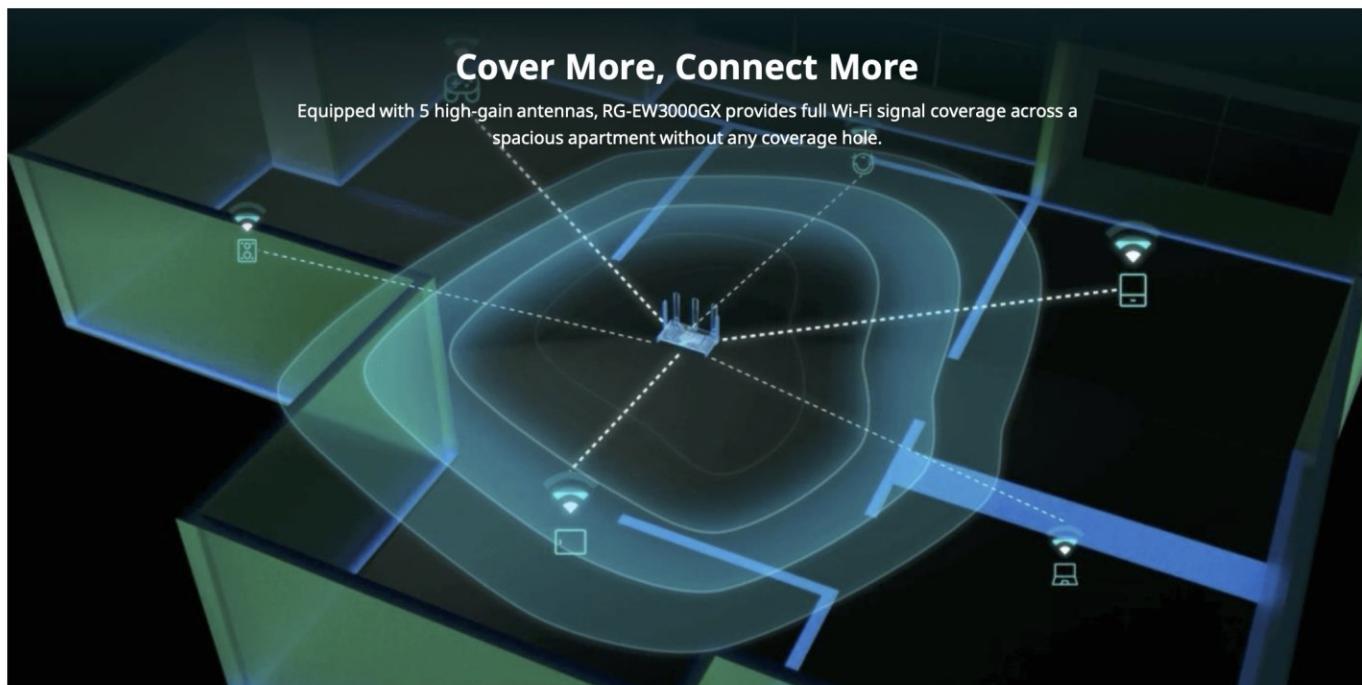
### Highlights

- 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



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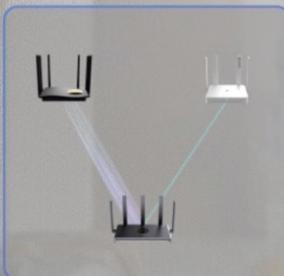


# Highlight Features

## 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 home

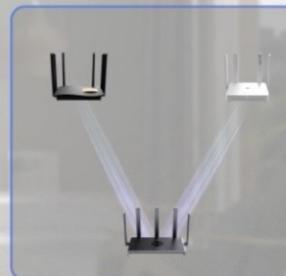
### Seamless Roaming, Full Space Coverage Wi-Fi Solutions



Wireless & Wired Reyee Mesh



Wired Reyee Mesh



Wireless Reyee Mesh

### Advanced Functions Make Your Network

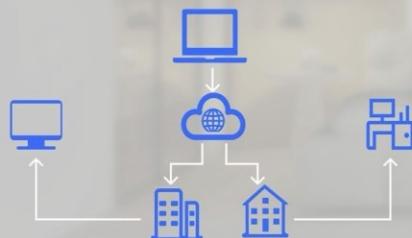
#### Simpler

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.



### 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



2004  
Wireless Protected Access I



2018  
Wireless Protected Access I

##### Guest Wi-Fi

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



# Highlight Features

Advanced functions make your network

Simpler Safer **Agiler**

Advanced Parental Controls

**Time Limit**

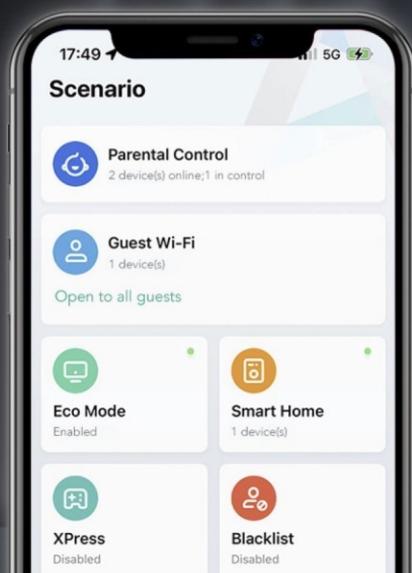
Prevent children from getting addicted to the internet by regulating their online time



**Speed Limit**

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





**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**

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# Hardware Specifications

Model	RG-EW3000GX
<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>	iPA
<b>Max. Wi-Fi Speed</b>	2.4 GHz, 573 Mbps 5 GHz, 2402 Mbps
	2.4 GHz: 802.11b: 23 dBm 802.11g: 6 Mbps 22 dBm; 54 Mbps 20 dBm 802.11n: MCS0 22 dBm; MCS7 19 dBm 802.11ax: MCS11 17 dBm
<b>Maximum transmit power</b>	5 GHz: 802.11a: 6 Mbps 21.5 dBm; 54 Mbps 19.5 dBm 802.11n: MCS0 21.5 dBm; MCS7 20.5 dBm 802.11ac: MCS0 21.5 dBm; MCS9 (VHT80) 17.5 dBm 802.11ax: MCS0 21.5 dBm; MCS9 (VHT160) 17.5 dBm; MCS11 16.5 dBm
	<p>Note: The transmit power varies according to regulations in different countries and regions.</p> <p>Frequency bands using and the max EIRP:</p> <p>Note: Country specific restrictions apply</p> <p>European Union &amp; United Kingdom:</p> <ul style="list-style-type: none"> <li>2400-2483.5 MHz, EIRP ≤ 20 dBm</li> <li>5150-5350 MHz, EIRP ≤ 23 dBm</li> <li>5470-5725 MHz, EIRP ≤ 30 dBm</li> </ul> <p>Myanmar:</p> <ul style="list-style-type: none"> <li>2400-2483.5 MHz, EIRP ≤ 23 dBm</li> <li>5725-5825 MHz, EIRP ≤ 30 dBm</li> </ul> <p>Thailand:</p> <ul style="list-style-type: none"> <li>2400-2483.5 MHz, EIRP ≤ 20 dBm</li> <li>5150-5350 MHz, EIRP ≤ 23 dBm</li> <li>5470-5725 MHz, EIRP ≤ 30 dBm</li> <li>5725-5825 MHz, EIRP ≤ 30 dBm</li> </ul> <p>Indonesia:</p> <ul style="list-style-type: none"> <li>2400-2483.5 MHz, EIRP ≤ 27 dBm</li> <li>5150-5350 MHz, EIRP ≤ 23 dBm</li> <li>5725-5825 MHz, EIRP ≤ 23 dBm</li> </ul> <p>Egypt:</p> <ul style="list-style-type: none"> <li>2400-2483.5 MHz, EIRP ≤ 20 dBm</li> </ul>

# Hardware Specifications

Model	RG-EW3000GX
	5150-5350 MHz, EIRP ≤ 23 dBm 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)
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)
Weight	0.45 kg (0.99 lbs) (without packaging materials) 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 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

# Hardware Specifications

Model	RG-EW3000GX
WAN ports	1 x 10/100/1000BASE-T port
<b>Power Supply and Consumption</b>	
Power supply	DC 12 V 1.0 A
<b>Product Information</b>	
Warranty	3 years
<b>System Specifications</b>	
RAM	256 MB

# Software Specifications

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

# Software Specifications

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

# Software Specifications

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

## Software Specifications

Model	RG-EW3000GX
PPTP VPN client	Yes
PPTP VPN server	Yes
<b>Wireless Configuration</b>	
Guest Wi-Fi	Yes
<b>WLAN</b>	
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
<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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**Ruijie Networks Co., Ltd.**  
Official Website: <https://Reyee.Ruijie.com>