

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.



/ 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

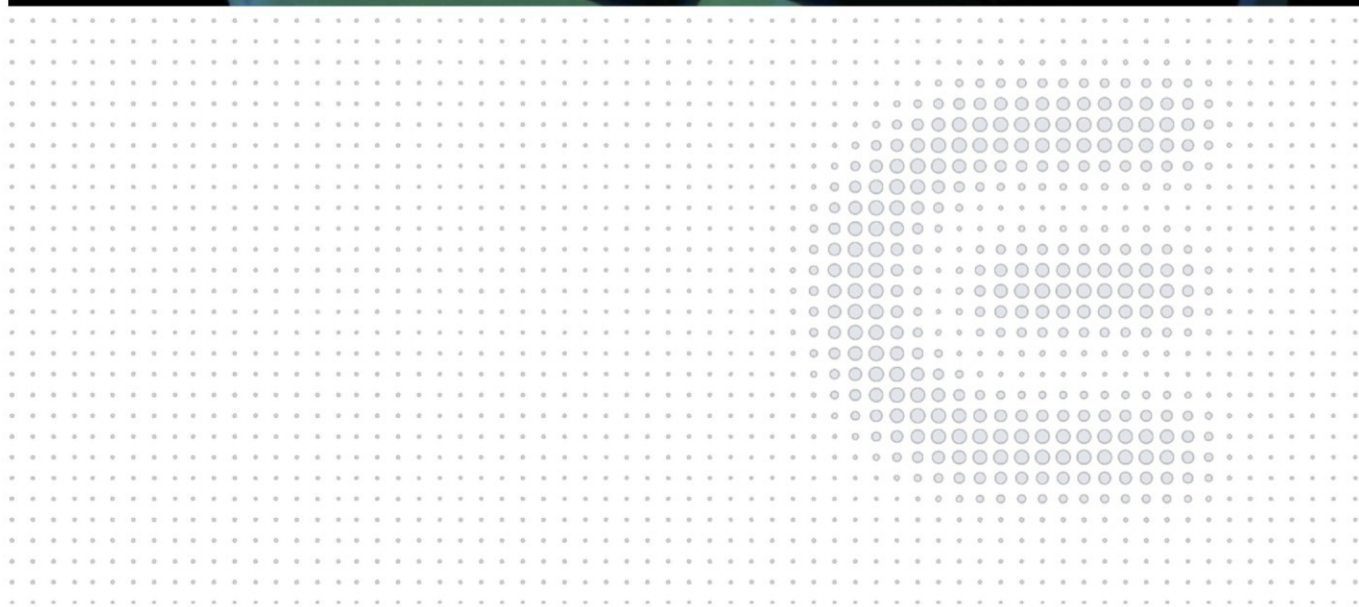
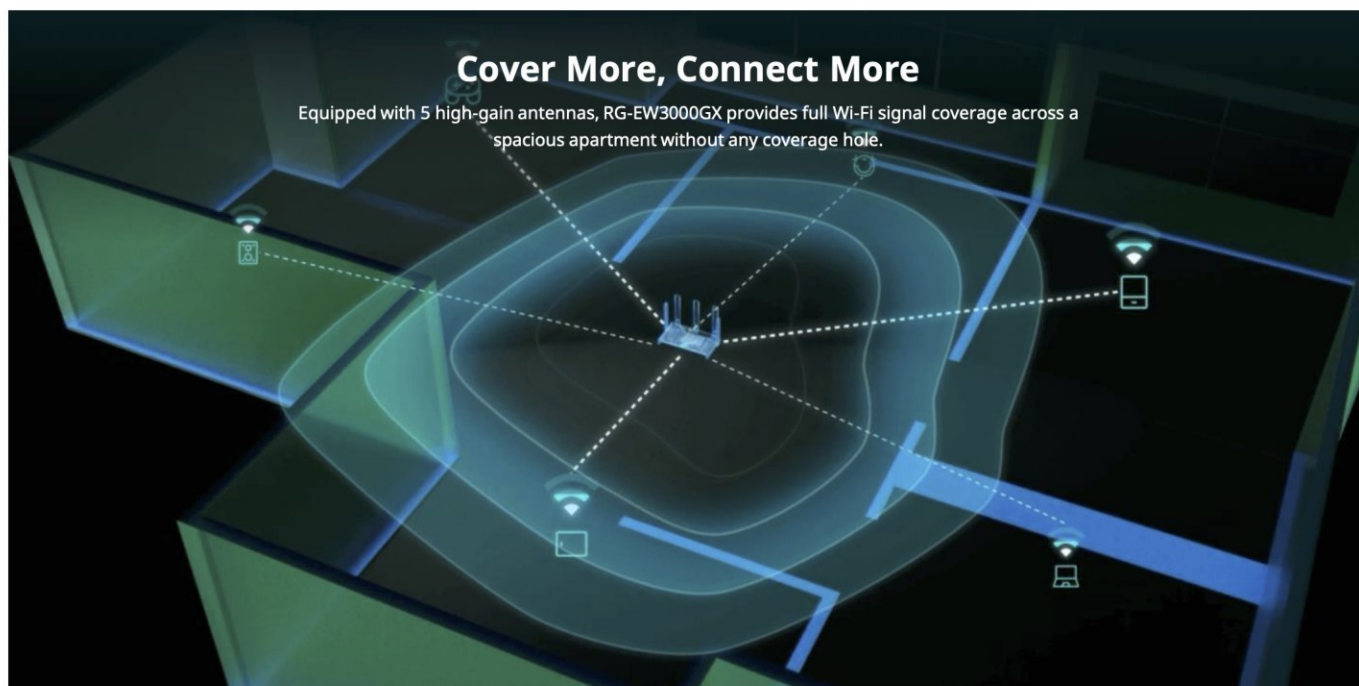


Multi-ISP Lines



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.

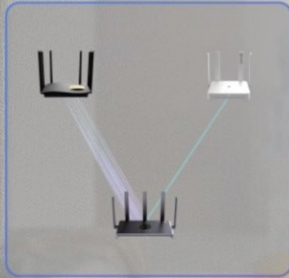


Highlight Features

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 home.

Seamless Roaming, Full Space Coverage Wi-Fi Solutions



Wireless & Wired Reyee Mesh



Wired Reyee Mesh



Wireless Reyee Mesh

Advanced Functions Make Your Network

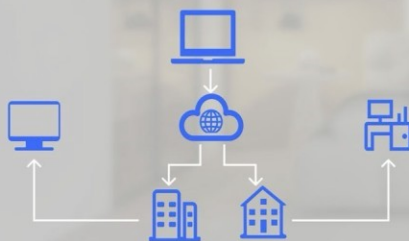
Simpler

Safer

Agiler

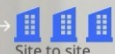
Ruijie DDNS

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.



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



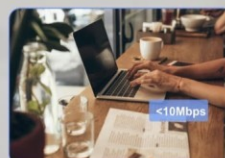
2004
Wireless Protected Access I



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

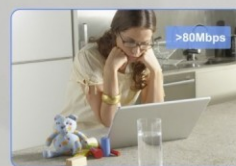
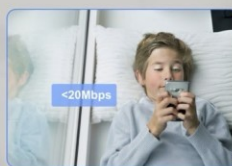
Time Limit

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



Scenario



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.



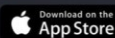
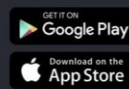
Remote
Management



Parental
Control



Smart
Home



Hardware Specifications

Model	RG-EW3000GX
Power Supply and Consumption	
Power supply	DC 12 V 1.0 A
Certification and Regulatory Compliance	
Certification	CE, CB
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
WAN ports	1 x 10/100/1000BASE-T port
System Specifications	
RAM	256 MB
Wi-Fi Radio	
Operating band	IEEE 802.11b/g/n/ax, 2.400GHz~2.4835GHz;
	IEEE 802.11a/n/ac/ax, 5.150GHz~5.350GHz;

Hardware Specifications

Model	RG-EW3000GX
	IEEE 802.11a/n/ac/ax, 5.470GHz~5.725GHz; IEEE 802.11a/n/ac/ax, 5.725GHz~5.850GHz;
FEM	iPA
Max. Wi-Fi Speed	2.4 GHz, 573 Mbps 5 GHz, 2402 Mbps
Maximum transmit power	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 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 Note: The transmit power varies according to regulations in different countries and regions.
Maximum transmit power(EIRP)	Frequency bands using and the max EIRP: Note: Country specific restrictions apply

Hardware Specifications

Model	RG-EW3000GX
	European Union & United Kingdom: 2400-2483.5 MHz, EIRP ≤ 20 dBm 5150-5350 MHz, EIRP ≤ 23 dBm 5470-5725 MHz, EIRP ≤ 30 dBm Myanmar: 2400-2483.5 MHz, EIRP ≤ 23 dBm 5725-5825 MHz, EIRP ≤ 30 dBm Thailand: 2400-2483.5 MHz, EIRP ≤ 20 dBm 5150-5350 MHz, EIRP ≤ 23 dBm 5470-5725 MHz, EIRP ≤ 30 dBm 5725-5825 MHz, EIRP ≤ 30 dBm Indonesia: 2400-2483.5 MHz, EIRP ≤ 27 dBm 5150-5350 MHz, EIRP ≤ 23 dBm 5725-5825 MHz, EIRP ≤ 23 dBm Egypt: 2400-2483.5 MHz, EIRP ≤ 20 dBm 5150-5350 MHz, EIRP ≤ 23 dBm Vietnam: 2400-2483.5 MHz, EIRP ≤ 23 dBm 5150-5350 MHz, EIRP ≤ 23 dBm

Hardware Specifications

Model	RG-EW3000GX
	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)
Highest QAM order	1024
2.4 GHz channel width	Auto/20/40 MHz
5 GHz channel width	Auto/20/40/80/160 MHz
Antenna	
Antenna	5 x external omnidirectional antennas
Antenna gain (2.4 GHz)	4.5 dBi
Antenna gain (5 GHz)	5.5 dBi
Product Information	
Warranty	3 years
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)

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
Disabling the physical Reset button	Yes
Connectivity detection configuration	Yes
AP mode	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

Software Specifications

Model	RG-EW3000GX
Number of port mapping entries	50
UPnP	Yes
IPv6	Yes
Ethernet Switching	
WAN port aggregation	Yes
LAN port aggregation	No
Specifying the VLAN tag	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	

Software Specifications

Model	RG-EW3000GX
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
Multicast	
IGMP proxy	Yes
IGMP snooping	Yes Note: Not supported by wired connections when IPTV is turned on
SIM Card Management	
Batch import of APN configurations	No
Number of APN configurations for batch import	No
System Performance Capacity	
Recommended number of concurrent clients	16 (2.4 GHz)
	64 (5 GHz)
IPTV/IGMP client capacity	5
IPTV/IGMP multicast capacity	5

Software Specifications

Model	RG-EW3000GX
IPTV/IGMP wired forwarding performance	20 Mbps
Recommended camera limit	6 (2.4 GHz)
	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
PPTP VPN server	Yes
Security	
Encryption mode	WPA-PSK, WPA2-PSK, WPA/WPA2-PSK, WPA3-SAE, WPA2-PSK/WPA3-SAE

Software Specifications

Model	RG-EW3000GX
Reyee Mesh 3.0	
Reyee Mesh 3.0	Yes
Automatic switching between wired and wireless repeater mode	Yes
Recommended hop count	2
Maximum number of clients	192
Maximum number of devices	32
Rate Limiting	
Client-based rate limiting	Yes
IPTV/VLAN	
Multiple IPTV ports	Yes
Network Management and Monitoring	
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

Software Specifications

Model	RG-EW3000GX
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
User agreement signing	Yes
WLAN	
1024-QAM	Yes
OFDMA	Yes (DL OFDMA)
MLO	No
DFS	Yes
802.11k/v roaming	Yes
Wi-Fi blocklist capacity	64
SSID hiding	Yes
Beamforming	Yes
Wireless Configuration	
Guest Wi-Fi	Yes

Package Contents

Model	RG-EW3000GX
Device	
Device	1
Accessories	
Ethernet cable	1
Power adapter	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>