RG-EW3000GX PRO
3000M Wi-Fi 6 Dual-Band Gigabit Mesh Router

DATASHEET

Highlights

- Next-generation gigabit Wi-Fi 6 standard
- WAN aggregation
- Gaming engine providing unrivalled gaming experience
- Strong signals received
- Exclusive Reyee mesh providing whole-home Wi-Fi coverage
- 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.
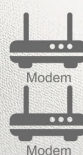
2 x 2, 160MHz

2 x 2, 80 MHz

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

1   2/IPTV   3/WAN1   WAN   DC   Reset   Mesh

WAN AGGREGATION

Total 2Gbps WAN for faster connection

Modem   1000bps   1000bps   PC

Modem   1000bps   1000bps   Gaming console

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

Accelerated Wired Connection
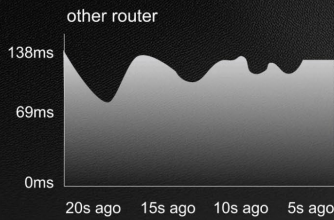
/ Highlight Features

Lag-free Gaming Experience While
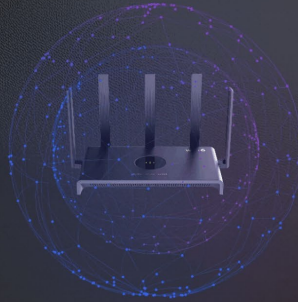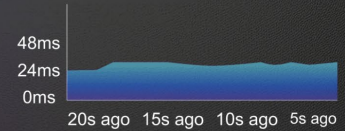
Downloading
Three walls   Multiplayers

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.

other router

138ms
69ms
0ms
20s ago   15s ago   10s ago   5s ago

138ms High Ping

EW3000GX PRO

48ms
24ms
0ms
20s ago   15s ago   10s ago   5s ago

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.
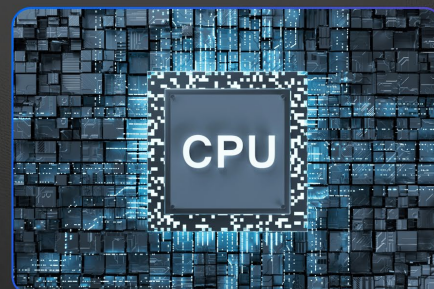
FEM x 5

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.
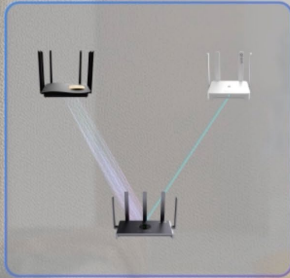
CPU

Highlight Features

Mix & Match, Click & Mesh
All by Reyee Mesh

Whether it's a penthouse, a duplex, or a villa, you can mesh mulfiple 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**

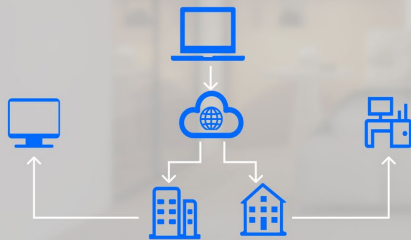## Advanced Functions Make Your Network

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
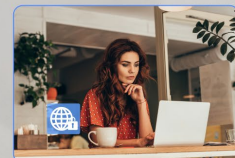
WPA2
★★★★

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

17:49   5G

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

Reyee

GET IT ON
Google Play

Download on the
App Store

Specifications

Model	RG-EW3000GX PRO
Basic	
Dimensions（W*D*H）	260 mm × 140 mm × 30 mm (10.24 in. × 5.51 in. × 1.18 in. antennas not included)
Weight	0.48 kg (packages not included)
Wi-Fi Standards	Wi-Fi 6 (802.11ax)
MIMO	2.4 GHz, 2×2, MU-MIMO 5 GHz, 2×2, MU-MIMO
Max. Wi-Fi Speed	2.4 GHz: 574 Mbps 5 GHz: 2402 Mbps
Channel Width	2.4 GHz: Auto/20/40 MHz 5 GHz: Auto/20/40/80/160/MHz
Antennas	5
Antennas Type	External Omnidirectional
Antenna Gain	2.4 GHz: 5 dBi 5 GHz: 5 dBi
Ports	1×10/100/1000 Base-T WAN/LAN 1×10/100/1000 Base-T WAN 2×10/100/1000 Base-T LAN
Recommended Users	60
Max. Users	192
Power Supply	DC 12V/1.5A
Power Consumption	< 18 W
Operation Frequency Bands	802.11b/g/n/ax: 2.400 GHz to 2.483 GHz 802.11a/n/ac/ax: 5.150 GHz to 5.350 GHz 802.11a/n/ac/ax: 5.470 GHz to 5.725 GHz , 5.725 GHz to 5.850 GHz country-specific restrictions apply
DFS	Support
Transmit Power	General： CE EIRP: ≤20dBm (2.4GHz)

	≤27dBm (5GHz)
	≤20dBm 2400~2483.5MHz
	Myanmar：
	2400~2483.5MHz ≤ 20dBm(EIRP)；
	5150~5350MHz ≤ 23dBm(EIRP)；
	5470~5725MHz ≤ 30dBm(EIRP)；
	5725~5850MHz ≤ 30dBm(EIRP)；
Receive Sensitivity	2.4 GHz:20MHz
	802.11b: -91 dBm(1 Mbps)
	802.11g: -91 dBm(6 Mbps), -72 dBm(54 Mbps)
	802.11n: -90dBm(MCS0), -70 dBm(MCS7)
	5 GHz:20MHz
	802.11n: -85 dBm(MCS0), -67 dBm(MCS7)
	802.11a: -89 dBm(6 Mbps), -72 dBm(54 Mbps)
	802.11ac: -90dBm(MCS0), -63dBm(MCS8)
	802.11ax: -88dBm(MCS0), -62dBm(MCS8), -58dBm(MCS11)
Operating Temperature	-10 °C to +40 °C (14 °F to 104 °F)
Operating Humidity	5% to 95% Noncondensing
Wireless	
OFDMA	-
MU-MIMO	Support
BSS Coloring	Support
Maximum Number of SSIDs	6
SSID Hiding	Support
Band Steering	Support
Guest Wi-Fi	Support
WPA/WPA2	Support
WPA3	Support
Roaming	Layer 2 Roaming
Blocklist	Support
Reyee Mesh	Support
Mesh Pairing by Hardware	Support

Mesh Pairing by Mesh Button	Support
Mesh Pairing by Eweb	Support
Recommended Hop Count	≤5
Wi-Fi Optimization	-
QoS (WMM)	Support
WPS	-
Transmission Power Adjustment	Support
Hardware	
CPU	MT7981
Flash	128 MB
RAM/SDRAM	256 MB
Color	Black
System LED Indicator	Support
Reyee Mesh LED Indicator	Support
Reyee Mesh Button	Support
Power Button	-
Reset Button	Support
DC Connector Dimensions	Outer Diameter: 5.5 mm Inner Diameter: 2.1 mm Length: 9.5 mm (Outer Diameter: 0.22 in. Inner Diameter: 0.08 in. Length: 0.37 in.)
WAN	
Static IP	Support
DHCP	Support
PPPoE	Support
L2TP	Support

Learning PPPoE Account & Password	Support
VLAN Tagging	Support
LAN	
DHCP Server	Support
Client List	Support
Static IP Assignment	Support
Port-Based Flow Control	Support
Features	
TR069	Support
Preset	Support
IPv6	Support
DDNS	Support
IPTV	Support
Alarm	Support
Diagnosis	Support
UPnP	Support
ARP Binding	Support
Port Mapping	Support
DMZ Host	Support
Rate Limitation of Terminals	Support
Hardware Acceleration	Support
MAC Address Cloning	Support
Cloud Management	Support
Repeater Mode	Support
WISP Mode	Support
AP Mode	Support

Security	
PPTP VPN Server	Support
PPTP VPN Client	Support
L2TP VPN Client	-
Parental Control	Time Schedule
Protect TCP Flood Attacks	Support
Protect ICMP Attacks	-
Protect UDP Flood Attacks	-
System	
Default Access/Password	192.168.110.1 No Password Required by Default
URL Access	Support
Local Upgrade	Support
Online Upgrade	Support
APP Upgrade	Support
Syslog	Support
Backup	Support
Factory Reset	Support
Language	Chinese English Vietanmese Turkish Indonesian Thai traditioanl Chinese Spanish Russian Arabic Ukrainian Czech Italian

/ Package Contents

Package Information	RG-EW3000GX PRO
Wireless Router	1
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Quick Installation Guide	1
Warranty Card	1
Cat5E UTP Cable	1

Ruijie | Reyee

Redefine your easy network

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