

Wi-Fi 6 Meshing Gigabit Router Dual-band 802.11ax AX3000, Up to 2 WAN Load Balanced **RG-EW3000GX**



The RG-EW3000GX is an AX3000 dual-band Wi-Fi 6 router designed to provide fast, reliable connectivity throughout the modern home. It delivers combined wireless speeds up to 2.976 Gbps, supports 160 MHz channels and features five external antennas for dependable coverage. Dual-WAN aggregation, Reyee Mesh 3.0 and Ruijie Cloud management help improve network performance, expand coverage and simplify everyday control.

3-Year Manufacturer's Warranty

For full terms & conditions, please see – [Ruijie Warranty T&Cs](#).

Features and Benefits

- » AX3000 dual-band Wi-Fi 6 delivers combined wireless speeds up to 2.976 Gbps for smooth streaming, downloads and everyday connectivity.
- » 160 MHz channel bandwidth and 1024-QAM support faster data transmission for compatible Wi-Fi 6 devices.
- » OFDMA improves wireless efficiency and capacity, supporting up to 80 recommended concurrent clients across both bands.
- » Dual-WAN aggregation combines compatible internet connections to increase available bandwidth and improve network performance.
- » Five external antennas provide reliable Wi-Fi coverage, while Reyee Mesh 3.0 makes it easy to expand connectivity throughout larger homes.
- » Ruijie Cloud management, parental controls, guest Wi-Fi and client rate limiting provide convenient visibility and control over the home network.



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Specifications

Basic

Dimensions (W×D×H)	240 mm × 130 mm × 32 mm (9.45 in. × 5.11 in. × 1.25 in. antennas not included)
Weight	0.50 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 port 1×10/100/1000 Base-T WAN port 3×10/100/1000 Base-T LAN ports
Recommended Users	60
Max. Users	192
Power Supply	DC 12V/1.0A
Power Consumption	< 12 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
Transmit Power	General : CE EIRP : ≤20dBm (2.4GHz) ≤27dBm (5GHz) Myanmar : 2400~2483.5MHz ≤ 20dBm(EIRP) ; 5150~5350MHz ≤ 23dBm(EIRP) ; 5470~5725MHz ≤ 30dBm(EIRP) ; 5725~5850MHz ≤ 30dBm(EIRP) ;

Basic (continued)

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
Certifications	CE

Wireless

OFDMA	-
MU-MIMO	✓
BSS Coloring	✓
Maximum Number of SSIDs	6
SSID Hiding	✓
Band Steering	✓
Guest Wi-Fi	✓
WPA/WPA2	✓
WPA3	✓
Roaming	Layer 2 Roaming
Blocklist	✓
Reyee Mesh	✓
Mesh Pairing by Hardware	✓
Mesh Pairing by Mesh Button	✓
Mesh Pairing by Eweb	✓
Recommended Hop Count	≤2
Wi-Fi Optimization	✓
QoS (WMM)	✓
WPS	-
Transmission Power Adjustment	✓

Hardware

CPU	MT7981
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Hardware (continued)

Flash	128 MB
RAM/SDRAM	256 MB
Color	White
System LED Indicator	✓
Reyee Mesh LED Indicator	✓
Reyee Mesh Button	✓
Power Button	-
Reset Button	✓
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	✓
DHCP	✓
PPPoE	✓
L2TP	✓
Learning PPPoE Account & Password	✓
VLAN Tagging	✓

LAN

DHCP Server	✓
Client List	✓
Static IP Assignment	✓
Port-Based Flow Control	✓

Features

IPv6	✓
DDNS	✓
IPTV	✓
Alarm	✓
Diagnosis	✓
UPnP	✓
ARP Binding	✓
Port Mapping	✓
DMZ Host	✓
Rate Limitation of Terminals	✓
Hardware Acceleration	✓

Features (continued)

MAC Address Cloning	✓
Cloud Management	✓
Repeater Mode	✓
WISP Mode	✓
AP Mode	✓

Security

PPTP VPN Server	✓
PPTP VPN Client	✓
L2TP VPN Client	-
Parental Control	Time Schedule
Protect TCP Flood Attacks	✓
Protect ICMP Attacks	-
Protect UDP Flood Attacks	-

System

Default Access/Password	192.168.110.1 No Password Required by Default
URL Access	✓
Local Upgrade	✓
Online Upgrade	✓
APP Upgrade	✓
Syslog	✓
Backup	✓
Factory Reset	✓
Language	Chinese English Vietnamese Turkish Indonesian Thai traditioanl Chinese Spanish Russian Arabic Ukrainian Czech Italian

Package Contents

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