

2.97 Gbps Wi-Fi 6 Meshing Gigabit Gaming Router Dual WAN 802.11ax RG-EW3000GXPRO



The RG-EW3000GXPRO is an AX3000 dual-band Wi-Fi 6 router designed to deliver fast, reliable connectivity throughout the modern home. It provides combined wireless speeds up to 2.976 Gbps, with five external antennas for strong signal coverage. Dual-WAN aggregation, gaming optimisation and Reyee Mesh 3.0 enhance speed, reliability and whole-home coverage, while Ruijie Cloud management provides convenient control from anywhere.

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.
- » OFDMA and 1024-QAM improve 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 with enhanced signal amplification provide strong, reliable Wi-Fi coverage throughout the home.
- » Reyee Mesh 3.0 supports wired and wireless connections between compatible routers, making it easy to expand whole-home Wi-Fi coverage.
- » Gaming optimisation, Ruijie Cloud management, parental controls and guest Wi-Fi provide improved performance and convenient network control.



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Specifications

Hardware Specifications

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 ; IEEE 802.11a/n/ac/ax , 5.470GHz ~ 5.725GHz ; IEEE 802.11a/n/ac/ax , 5.725GHz ~ 5.850GHz
FEM	EPA
Max. Wi-Fi Speed	2.4 GHz, 573 Mbps 5 GHz, 2402 Mbps
Maximum transmit power	2.4 GHz: 802.11b: 26 dBm 802.11g: 6 Mbps 25 dBm; 54 Mbps 22 dBm 802.11n: MCS0 25 dBm; MCS7 21 dBm 5 GHz: 802.11a: 6 Mbps 26 dBm; 54 Mbps 22 dBm 802.11n: MCS0 26 dBm; MCS7 21 dBm 802.11ac: MCS0 26 dBm; MCS9 (VHT80) 20 dBm 802.11ax: MCS0 26 dBm; MCS9 (VHT160) 20 dBm; MCS11 (HE-SU160) 19 dBm Note: The transmit power varies according to regulations in different countries and regions.

Wi-Fi Radio (continued)

Maximum transmit power(EIRP)	Frequency bands using and the max EIRP: Note: Country specific restrictions apply 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 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)	6 dBi

Certification and Regulatory Compliance

Certification	CE, CB
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Dimensions and Weight

Product dimensions (W x D x H)	618 mm × 370 mm × 403 mm (24.33 in. × 14.57 in. × 15.87 in.) (excluding antennas)
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Dimensions and Weight (continued)

Weight	0.48 kg (1.06 lbs) (without packaging materials) 1.04 kg (2.29 lbs) (with packaging materials)
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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

Power Supply and Consumption

Power supply	DC 12 V 1.5 A
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System Specifications

RAM	256 MB
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Software Specifications

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
AP mode	Yes

Ethernet Switching

WAN port aggregation	Yes
LAN port aggregation	No
Specifying the VLAN tag	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
Number of port mapping entries	50
UPnP	Yes
IPv6	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

MAC address cloning	Yes
VLAN-based IPTV	Yes

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Flow Control

Flow control based on number of users	Yes
Standalone/Shared mode	Yes
Interface flow control	Yes

IPTV/VLAN

Multiple IPTV ports	Yes
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Multicast

IGMP proxy	Yes
IGMP snooping	Yes Note: Not supported by wired connections when IPTV is turned on

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
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

Rate Limiting

Client-based rate limiting	Yes
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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

Security

Encryption mode	Yes
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System Performance Capacity

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)

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

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VPN (continued)

Username and password authentication	Yes
Number of concurrent tunnels supported by the PPTP VPN server	30
PPTP VPN client	Yes
PPTP VPN server	Yes

Wireless Configuration

Guest Wi-Fi	Yes
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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

Package Contents

Accessories

Ethernet cable	1
Power adapter	1

Device

Device	1
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Manual

User Manual	1
Warranty Card	1