Ruijie | Reyee

DATASHEET

RG-EW3000GX PRO

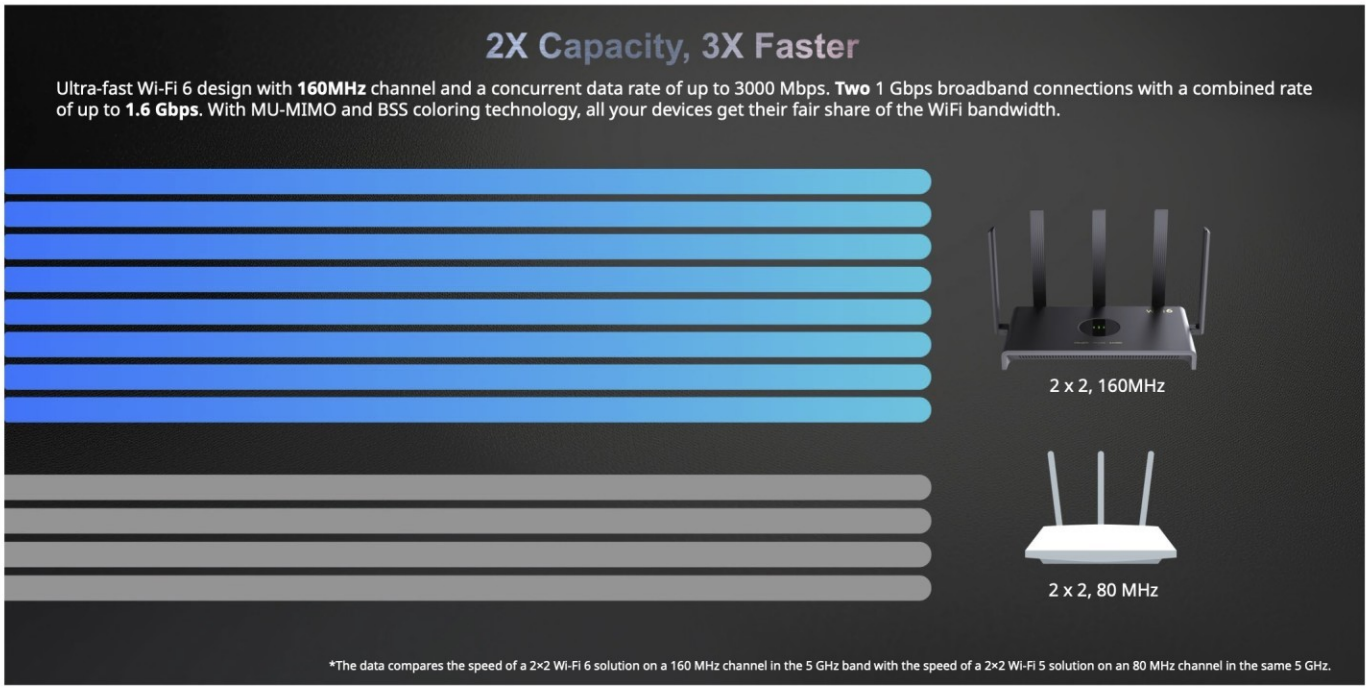
AX3000 Wi-Fi 6 Dual-band Gigabit Gaming Router

Highlights

- Next-generation gigabit Wi-Fi 6 standard
- Dual-WAN aggregation
- Gaming engine providing unrivalled gaming experience
- Strong signals received
- Exclusive Reyee mesh providing full-space-coverage Wi-Fi solution
- Control of your home network at your fingertips

Date: 2026.9.8

Highlight Features

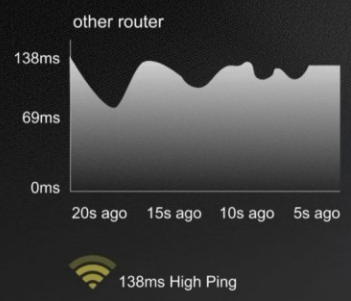


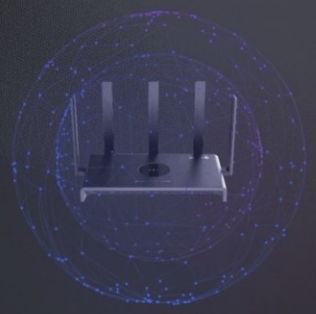
Highlight Features

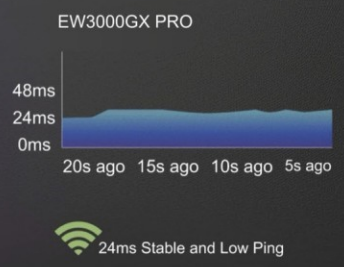
Lag-free Gaming Experience While

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.







*Laboratory data is provided for reference purposes only

Lag-free Gaming Experience While

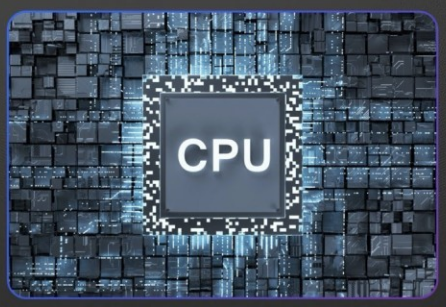
Downloading **Three walls** Multiplayers

Five independent signal amplifiers increase the signal strength by 40%.
Covers up to 1600 sq.ft.

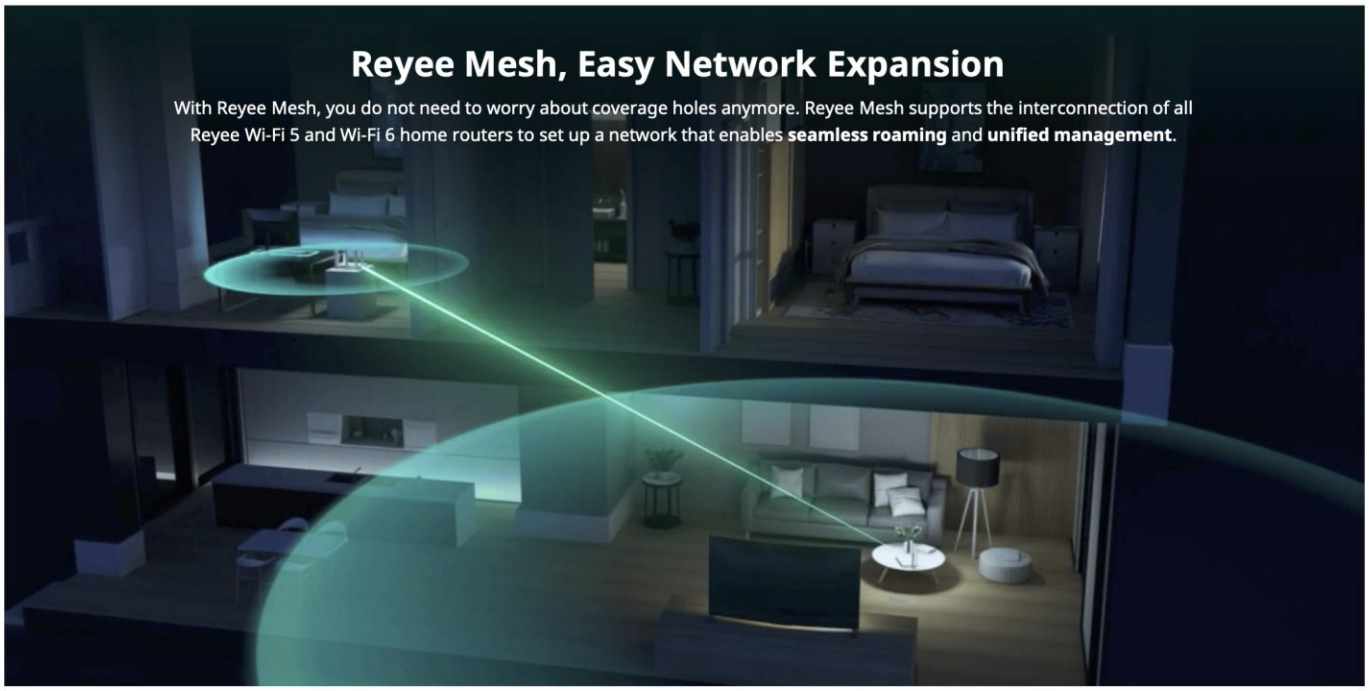
Lag-free Gaming Experience While

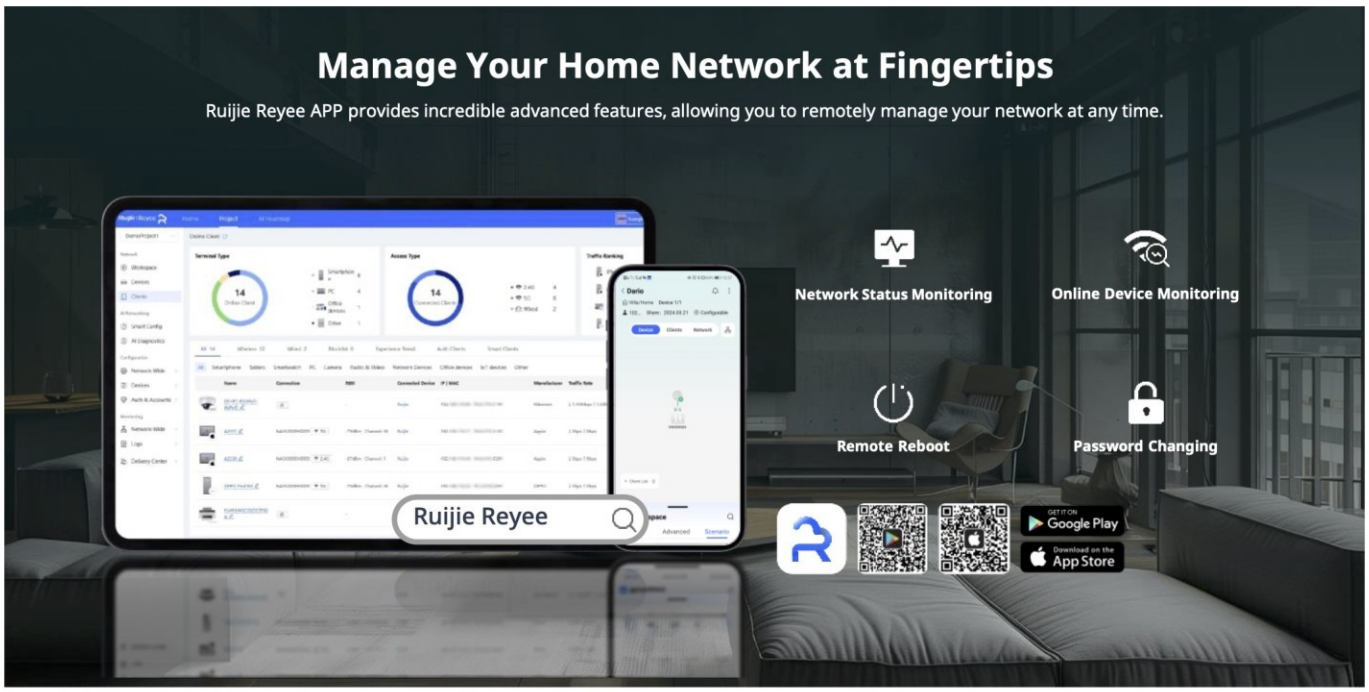
Downloading Three walls **Multiplayers**

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.



Highlight Features





Hardware Specifications

Model	RG-EW3000GX PRO
Product Information	
Warranty	3 years
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)
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

Hardware Specifications

Model	RG-EW3000GX PRO
	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.
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

Hardware Specifications

Model	RG-EW3000GX PRO
	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)
Highest QAM order	1024
2.4 GHz channel width	Auto/20/40 MHz
5 GHz channel width	Auto/20/40/80/160 MHz
Power Supply and Consumption	
Power supply	DC 12 V 1.5 A

Hardware Specifications

Model	RG-EW3000GX PRO
Antenna	
Antenna	5 x external omnidirectional antennas
Antenna gain (2.4 GHz)	4.5 dBi
Antenna gain (5 GHz)	6 dBi
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)
Weight	0.48 kg (1.06 lbs) (without packaging materials) 1.04 kg (2.29 lbs) (with packaging materials)
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

Software Specifications

Model	RG-EW3000GX PRO
Ethernet Switching	
WAN port aggregation	Yes
LAN port aggregation	No
Specifying the VLAN tag	Yes
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

Software Specifications

Model	RG-EW3000GX PRO
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
Multicast	

Software Specifications

Model	RG-EW3000GX PRO
IGMP proxy	Yes
IGMP snooping	Yes Note: Not supported by wired connections when IPTV is turned on
Flow Control	
Flow control based on number of users	Yes
Standalone/Shared mode	Yes
Interface flow control	Yes
IPTV/VLAN	
Multiple IPTV ports	Yes
Ethernet Interface	
MAC address cloning	Yes
VLAN-based IPTV	Yes
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

Software Specifications

Model	RG-EW3000GX PRO
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
Security	
Encryption mode	WPA-PSK, WPA2-PSK, WPA/WPA2-PSK, WPA3-SAE, WPA2-PSK/WPA3-SAE
SIM Card Management	
Batch import of APN configurations	No
Number of APN configurations for batch import	No
WLAN	
1024-QAM	Yes
OFDMA	Yes (DL OFDMA)
MLO	No
DFS	Yes
802.11k/v roaming	Yes

Software Specifications

Model	RG-EW3000GX PRO
Wi-Fi blocklist capacity	64
SSID hiding	Yes
Beamforming	Yes
Rate Limiting	
Client-based rate limiting	Yes
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
IPTV/IGMP wired forwarding performance	20 Mbps
Recommended camera limit	6 (2.4 GHz) 16 (5 GHz)
Network Management and Monitoring	
Line detection	Yes
Arabic	Yes
Chinese (Hong Kong Traditional)	Yes
Chinese (Simplified)	Yes
English	Yes
Indonesian	Yes

Software Specifications

Model	RG-EW3000GX PRO
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
User agreement signing	Yes
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

Package Contents

Model	RG-EW3000GX PRO
Device	
Device	1
Manual	
User Manual	1
Warranty Card	1
Accessories	
Ethernet cable	1
Power adapter	1

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Redefine your easy network

Ruijie Networks Co., Ltd.

Official Website: https://Reyee.Ruijie.com