Ruijie RG-EW3200GX PRO

3200M Wi-Fi 6 Dual-band Gigabit Mesh*

Router Datasheet

Product Appearance

RG-EW3200GX PRO (FRONT)

RG-EW3200GX PRO (REAR)

Product Overview

Ruijie Reyee RG-EW3200GX PRO is a Gigabit dual-band Wi-Fi 6 mesh router designed for use in large flat space, villas, small shops, SOHO, and other scenarios. It is designed to meet the needs of high quality next-generation Wi-Fi services. In addition, this router is equipped with four independent power amplifiers for intensifying signal strength. The signals from this router can cover a doubled distance compared with those from previous routers. RG-EW3200GX PRO provides one 10/100/1000Mbps WAN ports and four 10/100/1000Mbps LAN ports, with the maximum access bandwidth of 1000Mbps. The router supports the new-generation Wi-Fi 6 standard at both 2.4 GHz and 5 GHz. The maximum wireless rate is 800Mbps at 2.4 GHz, 2400Mbps at 5 GHz, and reach 3200Mbps in concurrent rate. The recommended access number of wireless terminals is up to 48, which is 50% more than the number supported by Wi-Fi 5.

Ruijie Reyee Mesh technology enables quickly connection between multiple routers without cable or configurations. In this way, Wi-Fi signals can cover the entire large flat floors, complex units, duplexes, and villas. In addition, support hybrid mesh networking with whole EW Series home routers family. The RF adjustment algorithm applied to millions of Ruijie enterprise-grade access points (APs) can provide seamless roaming among devices. Users can move around the Wi-Fi coverage area without service interruption.

RG-EW3200GX PRO supports various local and remote management platform, such as Web, Ruijie Cloud App. This wireless router also provides multiple home-care-based function, including the Parental Control Mode, Health Mode, Xpress Mode, and exclusive designed for Smart Life Kit System, meeting the needs of all household scenarios.

Product Features

An Unprecedented Wireless Experience in Wi-Fi 6

The state-of-the-art Wi-Fi 6 standard is supported at both 2.4 GHz and 5 GHz. With the advanced 1024-quadrature amplitude modulation (QAM) technology of Wi-Fi 6 for extremely faster wireless connection, the wireless speed is 1.5X faster than Wi-Fi 5 routers.

Born for the Multi-user

The router supports orthogonal frequency division multiple access (OFDMA) technology, under the 802.11ax Wi-Fi standard, which divides each channel into small sub-channels, allowing signals from multiple devices to be bundled together and transmitted simultaneously, reducing latency for a smoother Wi-Fi experience. With MU-MIMO technology, the router enables multiple users to share one channel at the same time, but provides greater network capacity and efficiency in traffic-dense environments..

Penetrating Walls Easily via Stronger Signal

With 4+4 high-power amplifiers (FEM) in vertical and horizontal antennas, additional combining beamforming technology, the signal coverage performance increases by 50%. It can Penetrating Walls Easily and boost optimized Wi-Fi signal everywhere.

Product Features

Excellent Performance of Weak Signal

When the terminal receives only one-level Wi-Fi signal, it can still watch 1080p video, 2K live broadcast and play games smoothly without interruption.

One-Click Reyee Mesh for Seamless Roaming and Easy Wi-Fi Extension

Reyee Mesh is a networking technology self-developed by Ruijie for multiple wireless routers' connection, which supports both wired connection and One-Click wireless pairing mode. You can click the Reyee Mesh button to complete the multiple devices pairing process with zero configuration. Reyee Mesh supports the wired bridge mode, wireless bridge mode, and hybrid bridge mode.
Terminals such as mobile phones can automatically switch and seamlessly roam between the connected routers in the same mesh network. Keep your network uninterrupted While walking around different areas.

Parental Control Helps to Care Your Childs

Users can control the Internet access authority of the specified terminal and set timing to limit the online duration of the specified terminal

Product Features

Accelerated Gaming in Xpress Mode

The wireless "racing mode" enhances the anti-interference capability of the router. The router is equipped with a quick network optimization module. You can tap it to improve the efficiency of the wireless channel in interference environments. This way, the game delay is shortened, allowing you to react more quickly in mobile games.

Hardware Specifications

Model	RG-EW3200GX PRO
Wireless Parameters	2.4 GHz, 4×4, maximum rate of 800Mbps 5 GHz, 4×4, maximum rate of 2400Mbps
	8 external non-detachable omnidirectional antennes
	802.11a/b/g/n/ac/ax and DL/UL MU-MIMO
	Independent 2.4 GHz and 5 GHz modules and dual-band mode
	Wi-Fi channel: 2.4GHz :2.4G~2.4835GHz 5GHz : 5.150~5.250GHz , 5.250~5.350H , 5.470~5.725GH , 5.725~5.850GHz
	Beamforming, OFDMA, and BSS color technologies
Ports	One 10/100/1000M WAN port (Auto MDI/MDIX)
	One 10/100/1000M WAN port (Auto MDI/MDIX)
Buttons	One Reyee Mesh button (front)
	One system reset button (rear)
	One power On/OFF button

Hardware Specifications

Model	RG-EW3200GX PRO
Indicator	One Reyee Mesh LED indicator
	One system LED indicator
Physical	Dimensions (W × D × H): 190 mm × 190 mm × 41 mm (antennas not included)
	Weight: 1.3 kg (packages not included)
Power Supply	Power specifications: DC 12 V, 2A
	Maximum power: < 24 W
Certification	CE
Operating Environment	Operating temperature: −10℃ to +45℃ Storage temperature: --40℃ to +70℃ Operating humidity: 5% to 95% (non-condensing) Storage humidity: 5% to 95% (non-condensing)

Software Specifications

Model	RG-EW3200GX PRO
Main features	Main features
	PPPoE, DHCP, static IP address for network connection
	Acquisition of PPPoE accounts from old routers
	Dual-band mode
	Priority to 5G
	Wireless Transmission Power adjustment
	Automatic channel adjustment
	Guest Wi-Fi
	Rate limiting for terminal IP addresses
	Static DHCP address
	Virtual server
	DDNS
	DMZ
	UPnP
Network security	WPA-PSK/WPA2-PSK encryption
	SSID hiding
	Wi-Fi squatter prevention (Blacklist)
	Network access control
	IP & MAC Binding
	Firewall

Software Specifications

Model	RG-EW3200GX PRO
Main features	Reyee Mesh: Supported by EW Series Routers. Enables Mix & Match, Self-Healing, One-click mesh, etc; Wireless roaming; Hardware NAT; One-click network optimization; Issue diagnosis; Remote maintenance on the cloud; Auto and manual software upgrade on the cloud; Silent upgrade of cloud software; Parent Control (base on time limit、MAC limit)
Management modes	Local web pages (support PC and mobile terminal) Ruijie Cloud App: iOS edition and Android edition

Ordering Information

Model	Description	Remarks
RG-EW3200GX PRO	3200M Wi-Fi 6 Dual-band Gigabit Mesh* Router ：enterprise-grade chip solution; Gigabit broadband access; Dual-core four-thread CPU; Support for hardware NAT; Concurrent access up to 48 (recommended) terminals Wireless access: dual-band 3200Mbps, Wired access: 5 Gigabit ports, including 1 WAN port and 4 LAN ports; Support for 802.11ax protocol; Exclusive Reyee Mesh technology for multi-device; Support Seamless roaming of Wi-Fi signals 4+4 independent high-performance signal amplifiers(FEM); Management via the Ruijie Cloud App on mobile phones	Mandatory

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