



Reyee RG-E5

3200M Gigabit Dual-Band

Wi-Fi 6 Mesh Router



For more information, please check: www.ireyee.com
Technical Support: www.ireyee.com/support

Product Overview

Reyee RG-E5 is a Wi-Fi 6 Gigabit dual-band mesh router designed for large flat spaces, villas, small shops, SOHO, and similar scenarios. It is designed to provide next-generation high-quality Wi-Fi services. Additionally, this router is equipped with eight independent power amplifiers for enhanced signal strength.

RG-E5 provides one 10/100/1000Mbps WAN ports and four 10/100/1000Mbps LAN ports, with a maximum access bandwidth of 1000Mbps. The router supports the new-generation Wi-Fi 6 standard, which offers the maximum wireless rate 800Mbps at 2.4GHz and 2400Mbps at 5 GHz, and reaches 3200Mbps concurrently. The recommended access number of wireless terminals is up to 78, which is 75% more than the number supported by Wi-Fi 5.

Reyee Mesh technology enables quick-connect among multiple routers without the need for cables or configurations. With this technology, Wi-Fi signals can cover entire large flat floors, complex units, duplexes, and villas. In addition, it supports hybrid mesh networking with the whole Reyee router family. The RF adjustment algorithm applied to millions of Reyee enterprise-grade access points (APs) can provide seamless roaming among devices. Users can move around the Wi-Fi coverage area without service interruption.

RG-E5 supports local and remote management platforms, eWeb and Reyee Router App. This wireless router also provides multiple functions related to home care, including the Parental Control, Health Mode, Xpress Mode, and more. It is an exclusively designed Smart Life Kit that meets the needs of all household scenarios.



800Mbps + 2400Mbps
Dual-Band Wi-Fi



8 x High-Gain Antennas
4x4 Spatial Streams



One-Click Reyee Mesh
Whole Family Wi-Fi



Product Features



An Unprecedented Wireless Experience in Wi-Fi 6

The state-of-the-art Wi-Fi 6 standard is supported. With the advanced 1024-Quadrature Amplitude Modulation (QAM) technology of Wi-Fi 6, which allows extremely fast wireless connections, wireless speed is 1.5X faster than Wi-Fi 5 routers.



Born for the Multi-user Scenario

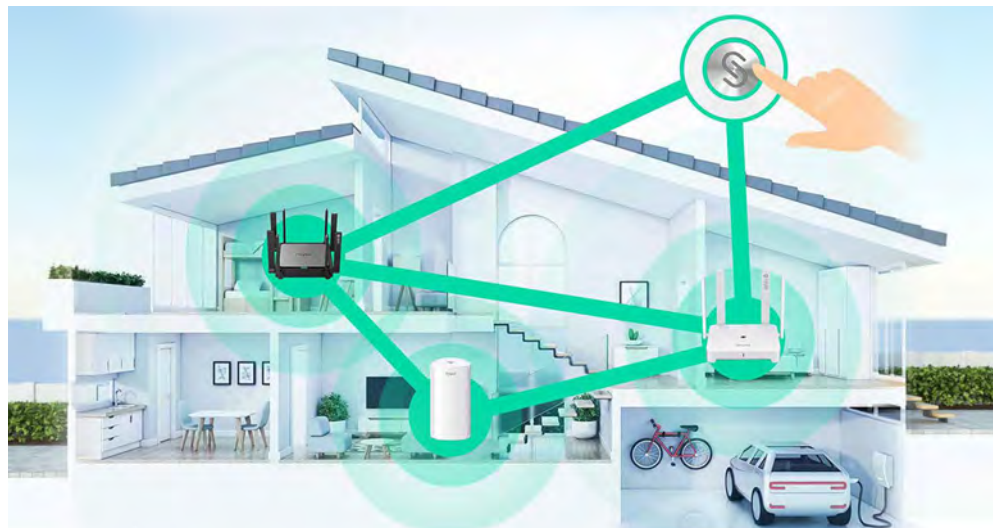
The router supports Orthogonal Frequency Division Multiple Access (OFDMA) technology. Under the 802.11ax Wi-Fi standard, OFDMA divides each channel into small sub-channels, allowing signals from multiple devices to be bundled together and transmitted simultaneously, reducing latency for a smoother Wi-Fi 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

Combining with 4+4 high-power amplifiers (FEM) in vertical and horizontal antennas and beamforming technology, the signal coverage performance is increased by 50%. It can penetrate walls easily and optimally boost Wi-Fi signal everywhere.

Product Features



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

Reyee Mesh is a self-developed networking technology for whole family Wi-Fi solution, which supports both wired connection and the One-Click wireless pairing mode. You can click the Reyee Mesh button to complete the pairing process of multiple devices with zero configuration. Reyee Mesh supports the wired bridge, wireless bridge, and hybrid bridge modes.

Terminals such as mobile phones can automatically switch and seamlessly roam between connected routers in the same mesh network. Keep your whole family network uninterrupted while walking around different areas



Parental Control Function

The router supports the control of Internet accessing behaviors based on applications and time. Parents can set rules to limit Internet access time for specific terminals. This router allows parents to remotely plan study time and Internet use for their children.



Accelerated Gaming in Xpress Mode

The wireless Xpress 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, allowing you to react more quickly while playing online games.

Hardware Specifications

Wireless Parameters

- 2.4 GHz, 4x4, maximum rate of 800Mbps
- 5 GHz, 4x4, maximum rate of 2400Mbps
- 8 external non-detachable omnidirectional antennas
- 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)
- Four 10/100/1000M LAN ports (Auto MDI/MDIX)
- One power port(DC)



Buttons

- One Reyee Mesh button (front)
- One system reset button (rear)

Indicators

- One Reyee Mesh LED indicator
- One system LED indicator
- Five port-status LED indicators

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

Certifications

- FCC/IC/CE/ROHS/cTUVus

Operating Environment

- Operating temperature: -10°C to +40°C
- Storage temperature: -40°C to +75°C
- Operating humidity: 5% to 95% (non-condensing)
- Storage humidity: 5% to 95% (non-condensing)

Software Specifications

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

Management modes

- Local web pages (support PC and mobile terminal)
- Reyee Router App: iOS edition and Android edition

Advanced 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
- Troubleshooting 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)

Network Security

- WPA/WPA2/WPA3 encryption
- SSID hiding
- Wi-Fi squatter prevention (Blacklist)
- Network access control
- IP & MAC Binding
- Firewall



| Other Information

Others

- Enterprise-grade chip solution
- Gigabit broadband access
- Dual-core four-thread CPU
- Support for hardware NAT
- Concurrent access 78(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 Reyee Router App on mobile phones