



Reyee RG-E6

6000M Wi-Fi 6 Dual-band Gigabit Mesh Router

DATASHEET



Product Overview

The RG-E6 router is a dual-band Gigabit Wi-Fi 6 wireless router designed especially for gamers seeking a top-notch Wi-Fi experience. Designed with the next-generation Wi-Fi 6 technology, it delivers mind-blowing speeds of up to 6000 Mbps across both bands. Featuring a 2.5 Gbps WAN/LAN port, the innovative GameFast Engine for game acceleration, and a flagship-grade 2.0 GHz quad-core processor, this router comes packed with power and delivers incredibly strong signals thanks to the eight independent power amplifiers.

The RG-E6 router provides one 2.5 Gbps WAN/LAN port (default WAN port), one gigabit WAN/LAN port (default LAN port), and three gigabit LAN ports, supporting two gigabit Internet connections. With its advanced dual-frequency RF architecture with higher-order modulation and 4 × 4 MIMO technology, this router supports a broader 160 MHz channel width, capable of delivering a fast and reliable connection to up to 80 devices simultaneously.

The unique Reye Mesh technology offers effortless cable-free networking of multiple routers and range extenders with a simple one-button setup, ensuring whole-home Wi-Fi coverage for large spacious flats, complex apartments, duplexes, and villas.



Reye RG-E6 6000M Wi-Fi 6 Dual-band Gigabit Mesh Router

Product Features **Gaming**

Enjoy Lag-free Gaming Experience While **Downloading**

Powered by Reyee's innovative GameFast Engine, this router prioritizes applications or types of traffic across all your devices by intelligently allocating the network bandwidth. You can prioritize the gaming traffic by connecting your gaming console to the dedicated Gaming Port on the router. Without the need for complex configurations, traffic from your gaming console is always scheduled to the front of a queue, ensuring a fast and stable connection for your gaming console.

Enjoy Lag-free Gaming Experience with **Multiple Players**

Reyee's advanced Wi-Fi QoS technology revolutionizes the multi-player gaming experience by intelligently prioritizing the time-sensitive and latency-sensitive wireless gaming traffic. Even during intense 10-player team battles, your gaming actions will flow seamlessly without lag. With a wireless connection as stable as a wired one, gaming becomes truly enjoyable.

Enjoy Lag-free Gaming Experience Through **Three Walls**

With eight independent power amplifiers, this router ensures reliable data transmission for gaming devices, improving the network stability by an impressive 50%. Whether you're in the bedroom or any other location, you can enjoy uninterrupted gaming as if you were right next to the router.

Product Features

2.5 Gbps Ethernet Port

This router provides a 2.5 Gbps multi-Gig port for connecting to your wired device on the LAN or for getting faster multi-Gig Internet speeds.

WAN Aggregation

WAN aggregation enables you to combine the 2.5 Gbps WAN port and the 1 Gbps WAN/LAN port to unlock up to 1.6 Gbps of WAN bandwidth, which is more than sufficient to accommodate the needs of modern ultra-high-speed ISPs. Additionally, LAN aggregation allows for the aggregation of two 1 Gbps LAN ports to create a 2 Gbps LAN connection, which is optimal for supplying extra bandwidth to heavy-duty network devices like compatible NAS devices or desktop computers.

Quad-core 2.0 GHz Processor

Powered by a 2.0 GHz quad-core 64-bit CPU, this router can effortlessly manage even the most data-intensive gaming traffic.

Hardware Specifications

Wireless Parameters

- 2.4 GHz, 4×4, maximum rate of 1148 Mbps
- 5 GHz, 4×4, maximum rate of 4804 Mbps
- 8 external omnidirectional antennas
- 802.11a/b/g/n/ac/ax
- 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

Ports

- 1 ×2.5 Gbps WAN/LAN Port
- 1 ×Gigabit WAN/LAN Port
- 3 ×Gigabit LAN Port



Buttons

- One Reye Mesh button
- One system reset button

Indicators

- System LED indicator
- Game LED Indicator

Certifications

- FCC/IC/ROHS/cTUVus

Operating Environment

- Operating temperature: -10°C to +40°C
- Storage temperature: -40°C to +70°C
- Operating humidity: 5% to 95% (non-condensing)
- Storage humidity: 5% to 95% (non-condensing)

Software Specifications

Main Features

- WISP Mode, Repeater Mode, AP Mode
- Priority to 5G
- Wireless Transmission Power adjustment
- Automatic channel adjustment
- Guest Wi-Fi
- Rate limiting for terminal IP addresses
- Static DHCP address
- DDNS
- DMZ
- UPnP

Management modes

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

Advanced Features

- Reyee Mesh
- Dual WAN
- Port Mapping
- Wi-Fi QoS
- Bandwidth limiter
- Parental Control
- Gaming port
- Game acceleration

Network Security

- WPA-PSK/WPA2-PSK/WPA3 encryption
- SSID hiding
- Network access control
- IP & MAC Binding
- Firewall