RG-EW300R 300M Wi-Fi Extender

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Variants

EW300R

Details

300Mbps Wireless Range Extender • Wi-Fi 4 • Dual External Antennas • Ruijie Cloud Management

Product Overview

The **Wi-Fi Extender (2.4GHz, Wi-Fi 4)** is a compact wireless range extender designed to expand existing Wi-Fi coverage and eliminate weak-signal areas in homes, offices, hotels, classrooms, retail shops, and small businesses.

Supporting wireless speeds of up to **300Mbps** on the **2.4GHz band**, it provides stable connectivity for web browsing, online learning, video streaming, smart home devices, IP cameras, voice communication, and everyday networking. Its dual external **3dBi antennas** and integrated **FEM front-end module** help improve signal coverage and wireless performance.

WIRELESS SPEED

300 Mbps

WI-FI BAND

2.4 GHz

ANTENNAS

2 × 3dBi

CLOUD MANAGEMENT

Ruijie Cloud

Key Features

300Mbps Wireless Speed

Suitable for everyday internet and wireless networking.

Wi-Fi 4 Standard

Supports IEEE 802.11n wireless technology.

Dual External Antennas

Two 3dBi antennas help improve wireless coverage.

High-Performance FEM

Front-end module supports stronger wireless signal performance.

Wi-Fi Coverage Extension

Helps eliminate wireless dead zones and weak signal areas.

Ruijie Cloud Support

Supports cloud-based monitoring and management.

Easy Installation

Compact design for convenient home and office deployment.

Up to 16 Clients

Recommended for up to 8 active devices for best performance.

Hardware Specifications

Category	Specification
Product Type	Wireless Wi-Fi Range Extender
Wi-Fi Standard	Wi-Fi 4 (IEEE 802.11n)
Frequency Band	2.4 GHz
Maximum Wireless Speed	300 Mbps
Antennas	2 × External Antennas
Antenna Gain	3 dBi at 2.4 GHz

Category	Specification
Wi-Fi Radio	FEM (Front-End Module)

Software & Management

Category	Specification
Cloud Management	Ruijie Cloud Supported
Mesh Technology	Reyee Mesh 3.0 Not Supported
IPv6 Support	Not Supported

Performance

Maximum Connected Clients

16 Devices

2.4GHz wireless band

Recommended Active Clients

8 Devices

Recommended for stable performance

Package Contents

Item	Quantity
Wireless Wi-Fi Extender	**1**
User Manual	**1**
Warranty Card	**1**

Applications

- **Home Wi-Fi Coverage Extension**
- **Office Wireless Network Expansion**
- **Hotels and Guest Houses**
- **Retail Shops and Small Businesses**
- **Schools and Classrooms**
- **Smart Home and IoT Devices**
- **IP Camera Wireless Connectivity**
- **Eliminating Wi-Fi Dead Zones**

Why Choose This Wi-Fi Extender?

Improved Coverage: Helps extend the wireless signal into weak-coverage areas.

Easy Deployment: Compact and suitable for quick installation.

Cloud Management: Supports Ruijie Cloud for easier monitoring.

Cost-Effective: A practical solution for extending 2.4GHz Wi-Fi coverage.

Dual Antenna Design: Helps improve wireless signal reception and coverage.

Suitable for Everyday Use: Supports browsing, learning, streaming, and smart devices.

300Mbps Wi-Fi Range Extender for Home and Office

This **2.4GHz 300Mbps Wi-Fi extender** is suitable for customers looking for a simple wireless coverage solution for homes, offices, shops, hotels, classrooms, and small commercial spaces. With Wi-Fi 4 support, dual external antennas, Ruijie Cloud compatibility, and support for up to 16 connected clients, it provides a practical way to improve Wi-Fi availability in areas where the main router signal is weak.

Installation Recommendation

This Wi-Fi extender operates only on the **2.4GHz band** and supports **Wi-Fi 4 (IEEE 802.11n)**. For the best result, install it between the main router and the location with weak Wi-Fi coverage. It is recommended for up to **8 active users**. For dual-band Wi-Fi, Wi-Fi 6, mesh networking, IPv6 support, or higher user capacity, choose a higher-performance wireless extender or access point.

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