

Ruijie | ReYee

# RG-EW300N

## 300 Mbps Wireless Smart Router

DATASHEET



### Highlights

- Stable as always
- Four Modes supported: Router Mode, Repeater Mode, AP Mode, WISP Mode
- Easy setup
- Life-time free cloud management supported
- Easy management, easy life
- Three-year warranty

# Highlight Features

## Basic and Reliable

300 Mbps Wireless Smart Router RG-EW300N



## Stable as Always

In a router, Flash and RAM are vital for storing and processing data, ensuring smooth and efficient network performance.

### Memory

16 MB Flash

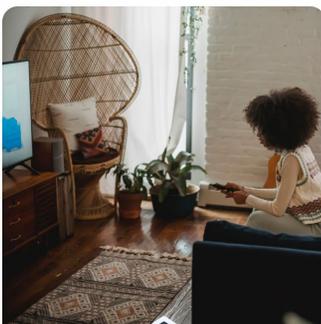
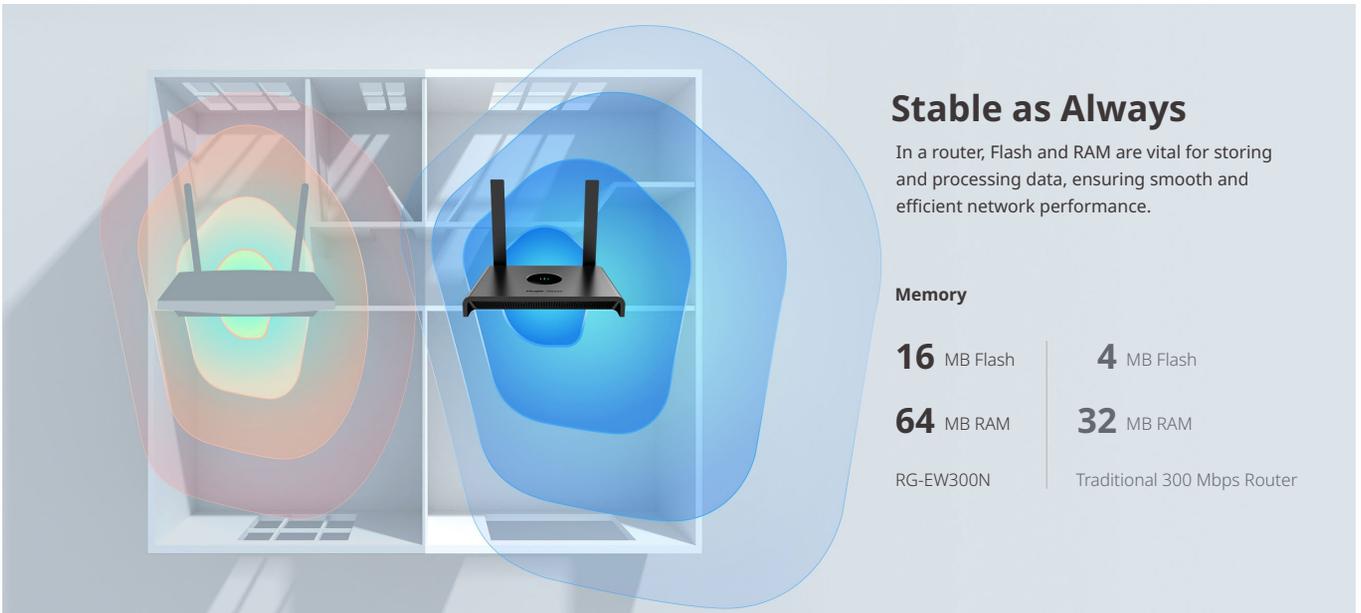
4 MB Flash

64 MB RAM

32 MB RAM

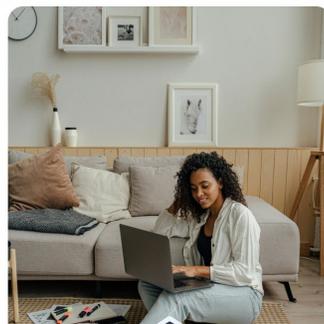
RG-EW300N

Traditional 300 Mbps Router



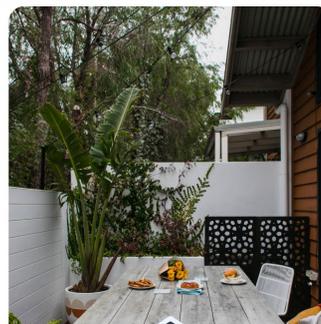
### Router Mode

Create a private wireless network and connect devices to the Internet.



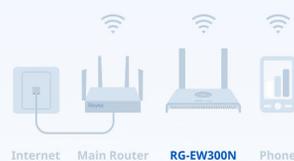
### AP Mode

Add wireless capabilities to a wired network, extending the Wi-Fi coverage.



### Repeater Mode

Extend the wireless signal to expand Wi-Fi coverage, eliminating dead zones.



### WISP Mode

Connect to the ISP's wireless network and share the network connection with other devices.



# Highlight Features

## Good Helper for Your Family Management

**Parental Control**    Health Mode

Reyee Router App allows you to manage the internet access authority of the specified terminal, including the time limit, speed limit and black/white list setup.



## Good Helper for Your Family Management

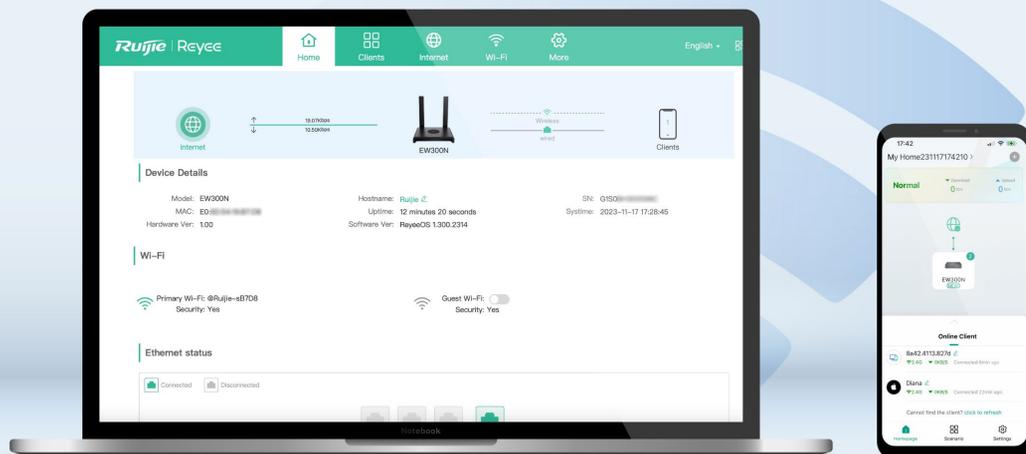
**Parental Control**    **Health Mode**

The health mode limits the radiation exposure and blacks out the indicator lights for you to have a good sleep.

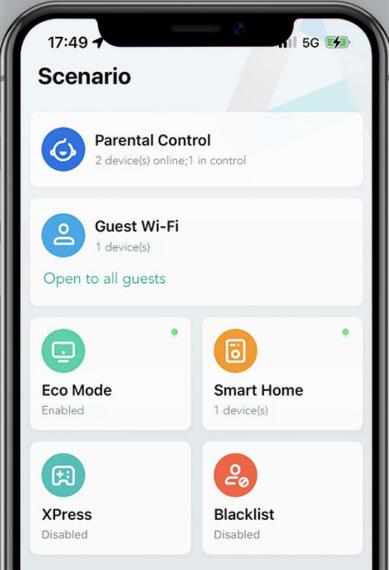


## Easy Setup

Newbie-friendly configuration, connecting to the internet by a few clicks



# Highlight Features



The smartphone screen shows the following features:

- Parental Control**: 2 device(s) online; 1 in control
- Guest Wi-Fi**: 1 device(s)  
Open to all guests
- Eco Mode**: Enabled
- Smart Home**: 1 device(s)
- XPress**: Disabled
- Blacklist**: Disabled

## Take Control of Your Home network at Your Fingertips

Set up your home network in **Reyee Router App** in two minutes. More **Life-time Free** functions are waiting for you to Explore, Experience, Expect.

Remote Management    Parental Control    Guest Wi-Fi

QR Code    Reyee    GET IT ON Google Play    Download on the App Store



## Specifications

| Basic                     |   |
|---------------------------|---|
| Dimensions ( W×D×H )      | 180 mm × 120 mm × 27 mm<br>( 7.09 in. ×4.72 in. × 1.06 in. antennas not included)   |
| Weight                    | 0.18 kg (packages not included)   |
| Wi-Fi Standards           | Wi-Fi 4 (802.11n)   |
| MIMO                      | 2.4 GHz, 2×2, MU-MIMO   |
| Max. Wi-Fi Speed          | 2.4 GHz: 300 Mbps   |
| Channel Width             | 2.4 GHz: Auto/20/40 MHz   |
| Antennas                  | 2   |
| Antennas Type             | External Omnidirectional  |
| Antennas Gain             | 2.4 GHz: 5 dBi *  |
| WAN Port                  | 1×10/100Base-T  |
| LAN Ports                 | 3×10/100Base-T  |
| Recommended Users         | 8   |
| Max. Users                | 16  |
| Power Supply              | DC 5V/1.0A  |
| Power Consumption         | < 5 W   |
| Operation Frequency Bands | 802.11b/g/n: 2.400 GHz to 2.483 GHz<br>country-specific restrictions apply  |
| Transmit Power            | General:<br>CE EIRP: ≤20dBm (2.4GHz)<br><br>Myanmar:<br>2400~2483.5MHz ≤ 20dBm(EIRP)  |
| Receive Sensitivity       | 2.4 GHz:20MHz<br>802.11b: -98 dBm(1 Mbps)<br>802.11g: -94.5 dBm(6 Mbps), -77 dBm(54 Mbps)<br>802.11n: -94.5dBm(MCS0), -76 dBm(MCS7) |
| Operating Temperature     | -10 °C to +40 °C (14 °F to 113 °F)  |

\* indicates the mean value obtained from Ruijie's laboratory tests.

# Specifications

## Basic

Operating Humidity 5% to 95% Noncondensing

Certifications CE

## Wireless

OFDMA -

MU-MIMO ✓

BSS Coloring -

Maximum Number of SSIDs 3

SSID Hiding ✓

Band Steering -

Guest Wi-Fi ✓

WPA/WPA2 ✓

WPA3 ✓

Roaming Layer 2 Roaming

Blacklist ✓

Reyee Mesh -

Mesh Pairing by Hardware -

Mesh Pairing by Mesh Button -

Mesh Pairing by Eweb -

Recommended Hop Count -

Wi-Fi Optimization -

QoS (WMM) ✓

WPS -

Transmission Power Adjustment ✓

# Specifications

## Hardware

|                          |   |
|--------------------------|---|
| CPU                      | MT7628DAN   |
| Flash                    | 16 MB   |
| RAM/SDRAM                | 64 MB   |
| Color                    | Black   |
| System LED Indicator     | ✓   |
| Reyee Mesh LED Indicator | NA  |
| Reyee Mesh Button        | NA  |
| Power Button             | -   |
| Reset Button             | ✓   |
| DC Connector Dimensions  | Outer Diameter: 5.5 mm<br>Inner Diameter: 2.1 mm<br>Length: 9.5 mm<br>(Outer Diameter: 0.22 in.<br>Inner Diameter: 0.08 in.<br>Length: 0.37 in. ) |

## WAN

|                                   |   |
|-----------------------------------|---|
| Static IP                         | ✓ |
| DHCP                              | ✓ |
| PPPoE                             | ✓ |
| Learning PPPoE Account & Password | ✓ |
| VLAN Tagging                      | ✓ |

## LAN

|                         |   |
|-------------------------|---|
| DHCP Server             | ✓ |
| Client List             | ✓ |
| Static IP Assignment    | ✓ |
| Port-Based Flow Control | ✓ |

## Specifications

| Features                     |               |
|------------------------------|---------------|
| IPv6                         | ✓             |
| DDNS                         | ✓             |
| IPTV                         | ✓             |
| Alarm                        | ✓             |
| Diagnosis                    | ✓             |
| UPnP                         | ✓             |
| ARP Binding                  | ✓             |
| Port Mapping                 | ✓             |
| DMZ Host                     | ✓             |
| Rate Limitation of Terminals | ✓             |
| Hardware Acceleration        | ✓             |
| MAC Address Cloning          | ✓             |
| Cloud Management             | ✓             |
| Repeater Mode                | ✓             |
| WISP Mode                    | ✓             |
| Security                     |               |
| PPTP VPN Server              | -             |
| PPTP VPN Client              | -             |
| L2TP VPN Client              | -             |
| Parental Control             | Time Schedule |
| Protect TCP Flood Attacks    | ✓             |
| Protect ICMP Attacks         | -             |
| Protect UDP Flood Attacks    | -             |

# Specifications

| System                  |   |
|-------------------------|---|
| Default Access/Password | 192.168.110.1<br>No Password Required by Default  |
| URL Access              | ✓   |
| Local Upgrade           | ✓   |
| Online Upgrade          | ✓   |
| APP Upgrade             | ✓   |
| Syslog                  | ✓   |
| Backup                  | ✓   |
| Factory Reset           | ✓   |
| Language                | Chinese<br>English<br>Vietnamese<br>Turkish<br>Indonesian<br>Thai<br>traditioanl Chinese<br>Spanish<br>Russian<br>Arabic<br>Ukrainian<br>Czech<br>Italian |

# Package Contents

| Package Information | RG-EW300N |
|---------------------|-----------|
| Wireless Router     | 1         |
| Power Adapter       | 1         |
| Quick Start Guide   | 1         |
| Warranty Card       | 1         |
| Cat5E UTP Cable     | 1         |

*Ruijie* | Rcycc

 **Redefine your easy network**

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