

RG-EW300N

N300 Wireless Smart Router



Highlights

- Stable as Always
- Four Modes supported: Router Mode, Repeater Mode, AP Mode, WISP Mode
- Easy Setup
- Life-time free cloud management supported
- 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

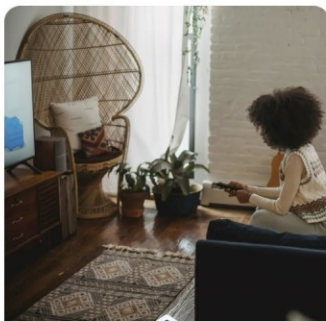
4 MB Flash

64 MB RAM

32 MB RAM

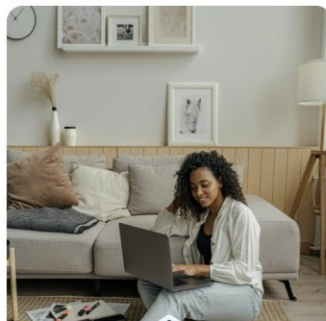
RG-EW300N

Traditional 300 Mbps Router



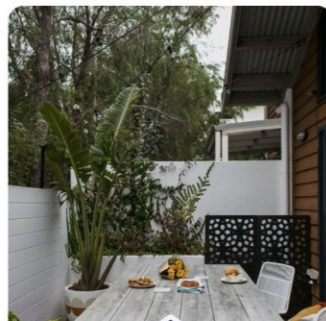
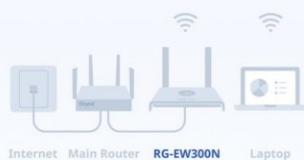
Router Mode

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



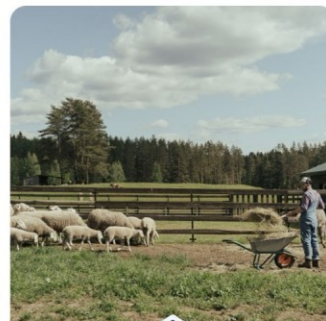
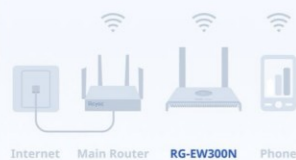
AP Mode

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

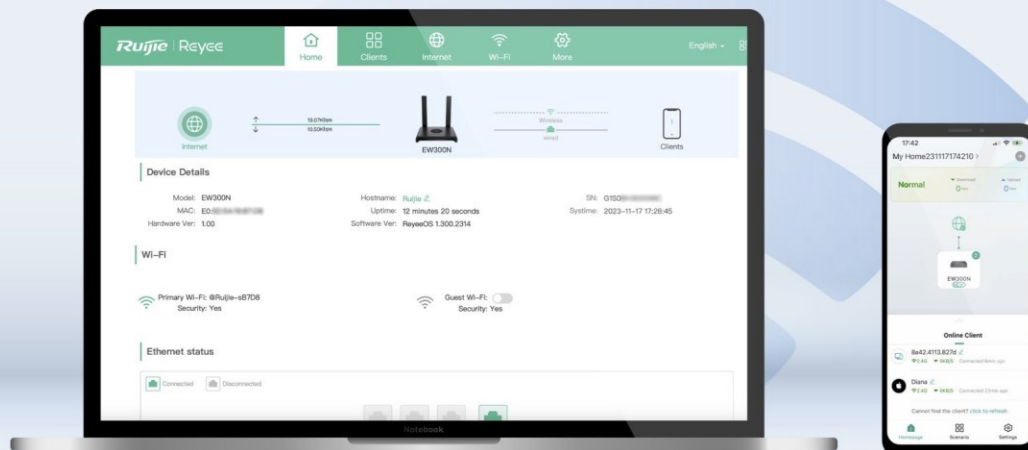
Parental Control **Health Mode**

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



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**











Hardware Specifications

Model	RG-EW300N
Dimensions and Weight	
Product dimensions (W x D x H)	140 mm x 105 mm x 24.7 mm (5.51 in. x 4.13 in. x 0.97 in.) (excluding antennas)
Weight	0.26 kg (0.57 lbs) (without packaging materials) 0.8 kg (1.76 lbs) (with packaging materials)
Certification and Regulatory Compliance	
Certification	CE, CB
Product Information	
Warranty	3 years
Power Supply and Consumption	
Power supply	DC 5 V 1.0 A
System Specifications	
RAM	64 MB
Antenna	
Antenna	2 x external omnidirectional antennas
Antenna gain (2.4 GHz)	5 dBi
Wi-Fi Radio	
Operating band	IEEE 802.11b/g/n, 2.400GHz~2.4835GHz;
FEM	iPA
Max. Wi-Fi Speed	2.4 GHz, 300 Mbps

Hardware Specifications

Model	RG-EW300N
Maximum transmit power	2.4 GHz: 802.11b: 1 Mbps 19 dBm 802.11n: HT20: MCS0 19 dBm; MCS7 17.5 dBm HT40: MCS0 18.5 dBm; MCS7 16.5 dBm 802.11g: 6 Mbps 19 dBm; 54 Mbps 17.5 dBm Note: The transmit power varies according to regulations in different countries and regions.
Maximum transmit power(EIRP)	Frequency bands using and the max EIRP: Note: Country specific restrictions apply European Union & United Kingdom: 2400-2483.5 MHz, EIRP $\leq$ 20 dBm Myanmar: 2400-2483.5 MHz, EIRP $\leq$ 23 dBm Thailand: 2400-2483.5 MHz, EIRP $\leq$ 20 dBm Indonesia: 2400-2483.5 MHz, EIRP $\leq$ 27 dBm Egypt: 2400-2483.5 MHz, EIRP $\leq$ 20 dBm

Hardware Specifications

Model	RG-EW300N
	Vietnam: 2400-2483.5 MHz, EIRP ≤ 23 dBm
MIMO	2.4 GHz, 2 x 2
Wi-Fi standard	Wi-Fi 4 (IEEE 802.11n)
Highest QAM order	64
2.4 GHz channel width	Auto/20/40 MHz
Port Specifications	
LEDs	1 x system status LED
LAN ports	3 x 10/100BASE-T ports
WAN ports	1 x 10/100BASE-T port
Environment and Reliability	
Operating humidity	5% RH to 95% RH (non-condensing)
Operating temperature	0 °C to +40 °C (32 °F to 104 °F)
Storage humidity	5% RH to 95% RH (non-condensing)
Storage temperature	-40 °C to +70 °C (-40 °F to 158 °F)

Software Specifications

Model	RG-EW300N
Basic Configurations	
LED management	Yes
Internet access mode	PPPoE, DHCP, Static IP, WISP
Preconfiguration	Yes
Reset and keep configurations	Yes
Restoring factory defaults	Yes
Configuration backup	Yes
Local upgrade	Yes
Online upgrade	Yes
Scheduled upgrade	No
Disabling the physical Reset button	Yes
Connectivity detection configuration	Yes
AP mode	Yes
Behavior Management	
Parental control	Yes
Client access control (based on MAC addresses)	Yes
Client access control (based on time)	Yes
Maximum number of controlled clients	32

Software Specifications

Model	RG-EW300N
Maximum number of parental control policies	No
Selecting clients from the client list to block their access to the Internet	Yes
Specifying MAC addresses of controlled clients	Yes
Ethernet Switching	
WAN port aggregation	No
LAN port aggregation	No
Specifying the VLAN tag	Yes
IP Service	
Port mapping	Yes
ARP binding	Yes
Number of ARP binding entries	64
DDNS	Yes
No-IP DNS	Yes
Ruijie DDNS	No
NAT-DMZ	Yes
Number of port mapping entries	50
UPnP	Yes
IPv6	Yes

Software Specifications

Model	RG-EW300N
Ethernet Interface	
MAC address cloning	Yes
VLAN-based IPTV	Yes
Flow Control	
Flow control based on number of users	Yes
Standalone/Shared mode	Yes
Interface flow control	Yes
IPTV/VLAN	
Multiple IPTV ports	Yes
Multicast	
IGMP proxy	Yes
IGMP snooping	No
SIM Card Management	
Batch import of APN configurations	No
Number of APN configurations for batch import	No
Security	
Encryption mode	WPA-PSK, WPA2-PSK, WPA/WPA2-PSK, WPA3-SAE, WPA2-PSK/WPA3-SAE
Wireless Configuration	

Software Specifications

Model	RG-EW300N
Guest Wi-Fi	Yes
System Performance Capacity	
Recommended number of concurrent clients	8 (2.4 GHz)
IPTV/IGMP client capacity	3
IPTV/IGMP multicast capacity	3
IPTV/IGMP wired forwarding performance	15 Mbps
Recommended camera limit	4 (2.4 GHz)
Reyee Mesh 3.0	
Reyee Mesh 3.0	No
Automatic switching between wired and wireless repeater mode	No
Recommended hop count	2
Maximum number of clients	192
Maximum number of devices	32
Network Management and Monitoring	
Line detection	Yes
Arabic	Yes
Chinese (Hong Kong Traditional)	Yes
Chinese (Simplified)	Yes

Software Specifications

Model	RG-EW300N
English	Yes
Indonesian	Yes
Italian	Yes
Russian	Yes
Spanish (Latin America)	Yes
Thai	Yes
Turkish	Yes
Vietnamese	Yes
Ruijie Cloud management	Yes
Scheduled device restart	Yes
eWeb login password length	8 to 63 characters
Wired repeater mode	Yes
Wireless repeater mode	Yes
WISP mode	Yes
User agreement signing	Yes
WLAN	
1024-QAM	No
OFDMA	No
MLO	No
DFS	No
802.11k/v roaming	No

Software Specifications

Model	RG-EW300N
Wi-Fi blocklist capacity	30
SSID hiding	Yes
Beamforming	Yes
VPN	
Number of concurrent tunnels supported by the OpenVPN server	No
Certificate authentication	No
OpenVPN bandwidth	No
OpenVPN client	No
OpenVPN server	No
Server domain name configuration	No
Username and password authentication	No
Number of concurrent tunnels supported by the PPTP VPN server	No
PPTP VPN client	No
PPTP VPN server	No
Rate Limiting	
Client-based rate limiting	Yes

Package Contents

Model	RG-EW300N
Device	
Device	1
Accessories	
Ethernet cable	1
Power adapter	1
Manual	
User Manual	1
Warranty Card	1

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 **R**edefine **y**our **e**asy network



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