

# RG-EW300T

## N300 Wireless 4G LTE Router



### Highlights

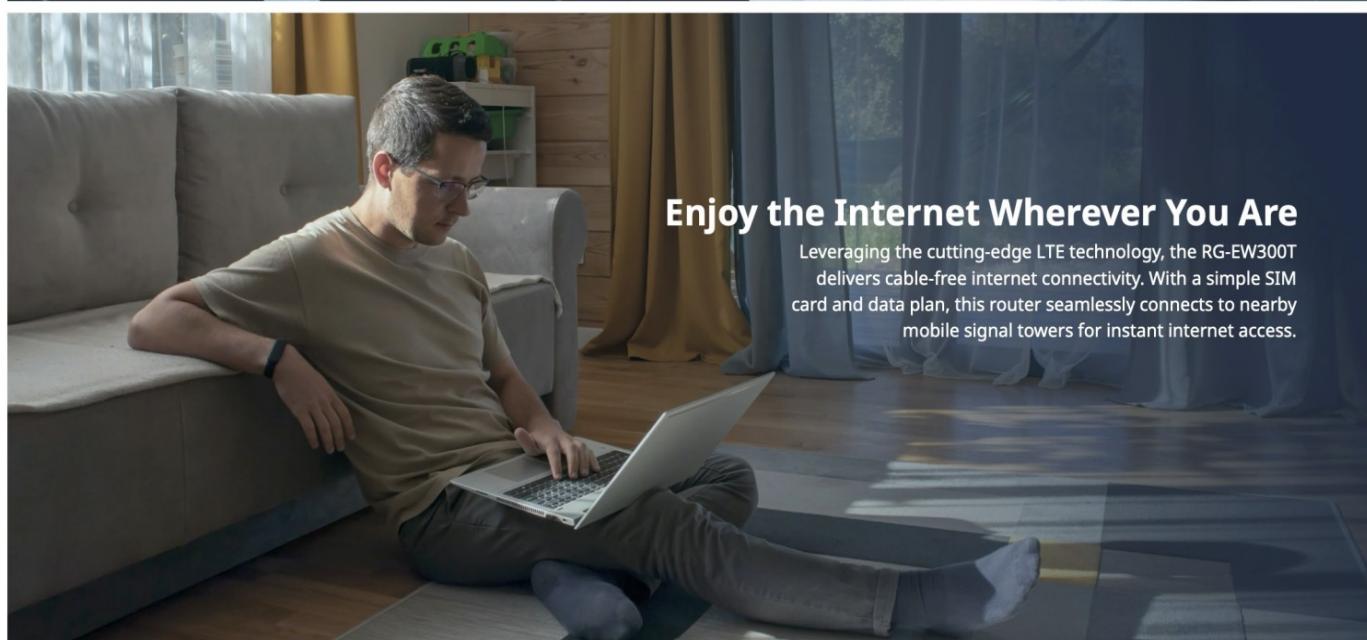
- Cloud-managed
- Plug and Play
- 4 External Antennas
- 300Mbps Wireless Rate
- Three-year Warranty

## Highlight Features



### RG-EW300T, Always Stay Connected

Cloud-managed 300Mbps Wireless 4G LTE Router



### Enjoy the Internet Wherever You Are

Leveraging the cutting-edge LTE technology, the RG-EW300T delivers cable-free internet connectivity. With a simple SIM card and data plan, this router seamlessly connects to nearby mobile signal towers for instant internet access.



### No Configuration Needed, Plug and Play

Once you insert the SIM card and turn on the router, you're all set to surf the speedy 4G LTE network.

# Highlight Features



## High-Quality Hardware for Smooth Experience

Seamless Connectivity

Highly Adaptable

The router is equipped with 4 external antennas to ensure a more stable signal and broader coverage. Along with the 4G LTE modem, it is compatible with most service providers.

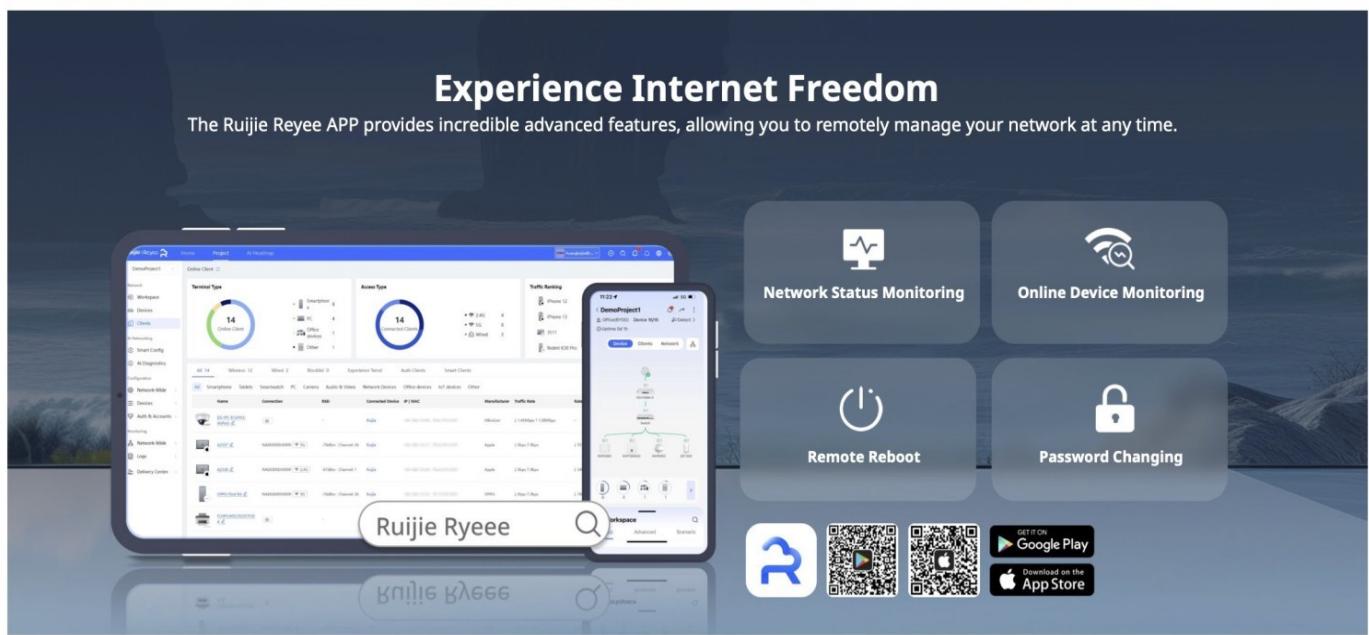


## High-Quality Hardware for Smooth Experience

Seamless Connectivity

Highly Adaptable

3×10/100Mbps LAN Ports and 1×10/100Mbps LAN/WAN Port meet your wired terminal access needs. The fully functional LAN/WAN port allows you to use the RG-EW300T as a regular router, which is compatible with cable, fiber, and DSL modems.



## Experience Internet Freedom

The Ruijie Ryeee APP provides incredible advanced features, allowing you to remotely manage your network at any time.

## / Highlight Features

### RG-EW300T, Stay Connected Everywhere

The 4G LTE router RG-EW300T offers convenient, reliable, and seamless networking, catering to diverse scenarios.



House Without Wired Connection



Remote Area



Travel and Outdoors



Mobile Office

# Hardware Specifications

Model	RG-EW300T
<b>Wi-Fi Radio</b>	
<b>Operating band</b>	IEEE 802.11b/g/n, 2.400GHz~2.4835GHz;
<b>FEM</b>	iPA
<b>Max. Wi-Fi Speed</b>	<p>2.4 GHz, 300 Mbps</p> <p>LTE-FDD: TX 150Mbps RX50Mbps</p> <p>LTE-TDD: TX130Mbps RX 30Mbps</p> <p>2.4GHz:</p> <p>802.11b: 1 Mbps 18 dBm</p> <p>802.11g: 6 Mbps 18 dBm; 54 Mbps 16.5 dBm</p> <p>802.11n:</p> <p>HT20: MCS0 18 dBm; MCS7 16.5 dBm</p> <p>HT40: MCS0 17 dBm; MCS7 16 dBm</p>
<b>Maximum transmit power</b>	<p>4G-LTE:</p> <p>WCDMA: (23 dBm +1/-3 dB)</p> <p>LTE-FDD: (23 dBm ± 2 dB)</p> <p>LTE-TDD: (23 dBm ± 2 dB)</p> <p>Note: The transmit power varies according to regulations in different countries and regions.</p>
<b>Maximum transmit power(EIRP)</b>	<p>Frequency bands using and the max EIRP:</p> <p>Note: Country specific restrictions apply</p> <p>European Union &amp; United Kingdom</p> <p>2400-2483.5 MHz, EIRP ≤ 20 dBm</p> <p>Myanmar:</p> <p>2400-2483.5 MHz, EIRP ≤ 23 dBm</p> <p>Thailand:</p> <p>2400-2483.5 MHz, EIRP ≤ 20 dBm</p> <p>Indonesia:</p> <p>2400-2483.5 MHz, EIRP ≤ 27 dBm</p> <p>Egypt:</p> <p>2400-2483.5 MHz, EIRP ≤ 20 dBm</p> <p>Vietnam:</p> <p>2400-2483.5 MHz, EIRP ≤ 23 dBm</p>
<b>MIMO</b>	2.4 GHz, 2 x 2
<b>Wi-Fi standard</b>	<p>Wi-Fi 4 (IEEE 802.11 n)</p> <p>4G-LTE:</p> <p>WCDMA: B1/B5/B8</p> <p>LTE-FDD:B1/B3/B5/B7/B8/B20/B28</p> <p>LTE-TDD: B38/B40/B41</p>

# Hardware Specifications

Model	RG-EW300T
<b>Antenna</b>	
Antenna	4 x external antennas
Antenna gain (2.4 GHz)	4 dBi
Antenna gain (5 GHz)	4G-LTE: 3 dBi
<b>Certification and Regulatory Compliance</b>	
Certification	CE, CB
<b>Dimensions and Weight</b>	
Product dimensions (W x D x H)	175mm*100mm*25mm (6.89in. x 4.72 in. x 1.06 in.)
Weight	0.25 kg (0.55 lbs) (without packaging materials) 0.31 kg (0.68 lbs) (with packaging materials)
<b>Environment and Reliability</b>	
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)
<b>Port Specifications</b>	
LEDs	1 x power LED 1 x Wi-Fi LED 1 x Internet LED 3 x RSSI LEDs
LAN ports	3 x 10/100BASE-T ports
Number of LAN/WAN ports	1 x 10/100BASE-T port
WAN ports	1 x 10/100BASE-T port
<b>Power Supply and Consumption</b>	
Power supply	DC 12 V 1 A
<b>Product Information</b>	

## Hardware Specifications

Model	RG-EW300T
Warranty	3 years
<strong>System Specifications</strong>	
RAM	64 MB

# Software Specifications

Model	RG-EW300T
<b>Basic Configurations</b>	
<b>LED management</b>	Yes
<b>Internet access mode</b>	PPPoE, DHCP, Static IP, WISP
<b>Preconfiguration</b>	Yes
<b>Reset and keep configurations</b>	Yes
<b>Restoring factory defaults</b>	Yes
<b>Configuration backup</b>	Yes
<b>Local upgrade</b>	Yes
<b>Online upgrade</b>	Yes
<b>Scheduled upgrade</b>	No
<b>AP mode</b>	Yes
<b>Ethernet Switching</b>	
<b>WAN port aggregation</b>	No
<b>LAN port aggregation</b>	No
<b>Specifying the VLAN tag</b>	Yes
<b>IP Service</b>	
<b>Port mapping</b>	Yes
<b>ARP binding</b>	Yes
<b>Number of ARP binding entries</b>	64
<b>DDNS</b>	Yes
<b>No-IP DNS</b>	Yes
<b>Ruijie DDNS</b>	No
<b>NAT-DMZ</b>	Yes
<b>Number of port mapping entries</b>	50

# Software Specifications

Model	RG-EW300T
UPnP	Yes
IPv6	Yes
<b>Behavior Management</b>	
Parental control	Yes
Client access control (based on MAC addresses)	Yes
Client access control (based on time)	Yes
Maximum number of controlled clients	32
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
<b>Ethernet Interface</b>	
MAC address cloning	Yes
VLAN-based IPTV	Yes
<b>Flow Control</b>	
Flow control based on number of users	Yes
Standalone/Shared mode	Yes
Interface flow control	Yes
<b>IPTV/VLAN</b>	
Multiple IPTV ports	Yes
<b>Multicast</b>	
IGMP proxy	Yes
IGMP snooping	No

# Software Specifications

Model	RG-EW300T
<b>Network Management and Monitoring</b>	
<b>Line detection</b>	Yes
<b>Arabic</b>	Yes
<b>Chinese (Hong Kong Traditional)</b>	Yes
<b>Chinese (Simplified)</b>	Yes
<b>English</b>	Yes
<b>Indonesian</b>	Yes
<b>Italian</b>	Yes
<b>Russian</b>	Yes
<b>Spanish (Latin America)</b>	Yes
<b>Thai</b>	Yes
<b>Turkish</b>	Yes
<b>Vietnamese</b>	Yes
<b>Ruijie Cloud management</b>	Yes
<b>Scheduled device restart</b>	Yes
<b>eWeb login password length</b>	8 to 63 characters
<b>Wired repeater mode</b>	Yes
<b>Wireless repeater mode</b>	Yes
<b>WISP mode</b>	Yes
<b>Rate Limiting</b>	
<b>Client-based rate limiting</b>	Yes
<b>Reyee Mesh 3.0</b>	
<b>Reyee Mesh 3.0</b>	No

# Software Specifications

Model	RG-EW300T
<b>Automatic switching between wired and wireless repeater mode</b>	No
<b>Recommended hop count</b>	2
<b>Maximum number of clients</b>	192
<b>Maximum number of devices</b>	32
<b>Security</b>	
<b>Encryption mode</b>	Yes
<b>System Performance Capacity</b>	
<b>Maximum number of concurrent clients</b>	16(2.4 GHz)
<b>Recommended number of concurrent clients</b>	8 (2.4 GHz)
<b>IPTV/IGMP client capacity</b>	5
<b>IPTV/IGMP multicast capacity</b>	5
<b>IPTV/IGMP wired forwarding performance</b>	25 Mbps
<b>Recommended camera limit</b>	4 (2.4 GHz)
<b>VPN</b>	
<b>Number of concurrent tunnels supported by the OpenVPN server</b>	No
<b>Certificate authentication</b>	No
<b>OpenVPN bandwidth</b>	No
<b>OpenVPN client</b>	No
<b>OpenVPN server</b>	No
<b>Server domain name configuration</b>	No
<b>Username and password authentication</b>	No
<b>Number of concurrent tunnels supported by the PPTP VPN server</b>	No

## Software Specifications

Model	RG-EW300T
PPTP VPN client	No
PPTP VPN server	No
<b>Wireless Configuration</b>	
Guest Wi-Fi	Yes
<b>WLAN</b>	
1024-QAM	No
MLO	No
DFS	No
802.11k/v roaming	No
Wi-Fi blocklist capacity	30
SSID hiding	Yes

## Package Contents

Model	RG-EW300T
<b>Accessories</b>	
Ethernet cable	1
Power adapter	1
<b>Device</b>	
Device	1
<b>Manual</b>	
User Manual	1
Warranty Card	1

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