

RG-EW300T

N300 Wireless 4G LTE Router

DATASHEET



Highlights

- Cloud-managed
- Plug and Play
- 4 External Antennas
- Max. Speed up to 300Mbps
- Three-year Warranty

Highlight Features

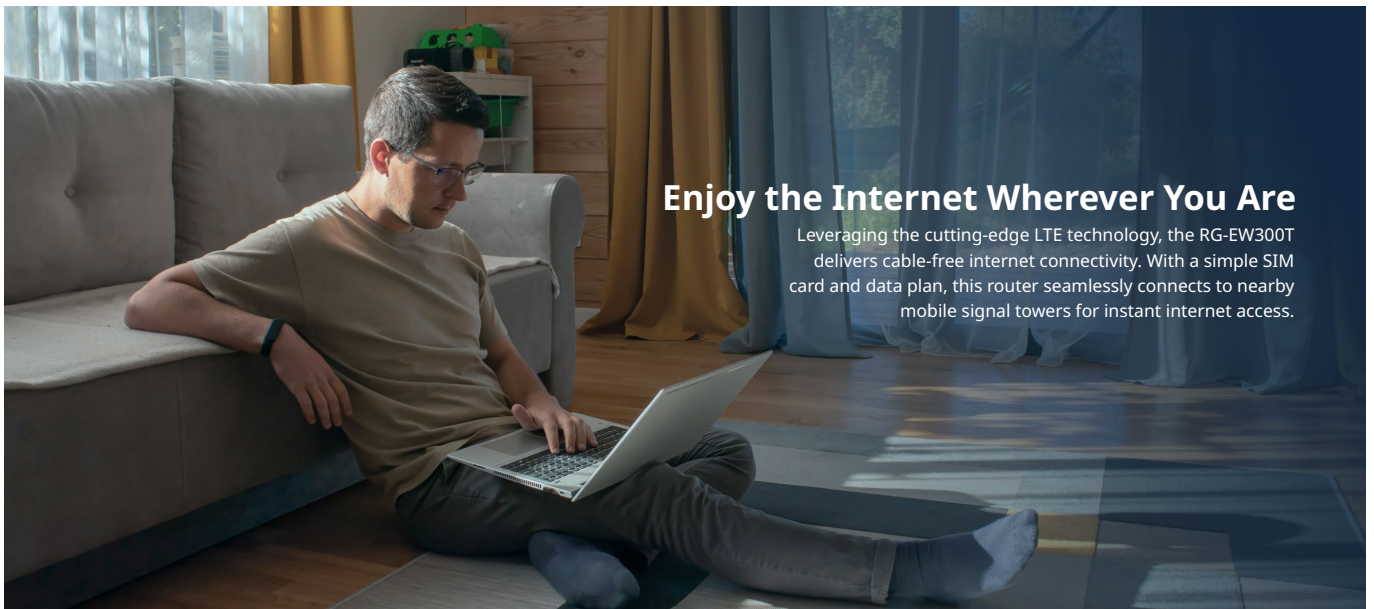
RG-EW300T, Always Stay Connected

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

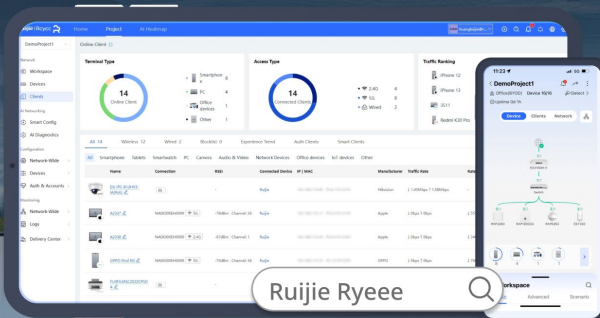
Highly Adaptable

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



Network Status Monitoring



Online Device Monitoring



Remote Reboot



Password Changing



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

Specifications

Basic

Dimensions (W×D×H)	175mm×100mm×25mm (6.89 in. ×4.72 in. ×1.06 in. antennas not included)
Weight	0.25kg (packages not included)
Wi-Fi Standards	Wi-Fi 4 (IEEE 802.11n)
MIMO	2.4 GHz, 2×2, MIMO
Max. Wi-Fi Speed	2.4 GHz: 300 Mbps
4G Cartgory	LTE CAT.4
Speed test	Downlink: 50Mbps
Channel Width	2.4 GHz: Auto/20/40 MHz
Antennas	2 Detachable External 4G LTE Antennas 2 Fixed External Wi-Fi Antennas
Antennas Type	External Omnidirectional
Antennas Gain	2.4 GHz: 4dBi 4G LTE: 3dBi
Port	1×10/100Base-T WAN/LAN 3×10/100Base-T LAN
Card Slot	1× Micro SIM Card Slot
Recommended Users	8
Max. Users	32
Power Supply	DC 12V/1.0A
Power Consumption	< 12 W
Wi-Fi Operation Frequency Bands	802.11b/g/n: 2.400 GHz to 2.483 GHz country-specific restrictions apply
Network Type	WCDMA B1/B5/B8 (2100/850/900 MHz) FDD-LTE B1/B3/B5/B7/B8/B20/B28 (2100/1800/850/2600/900/800/700 MHz) TDD-LTE B38/B40 (2300/2500 MHz)

Specifications

Basic

2.4GHz Wi-Fi: 2400~2483.5MHz ≤ 20dBm(EIRP)

Transmit Power

WCDMA B1/B5/B8 ≤ 24dBm

FDD-LTE B1/B3/B5/B7/B8/B20/B28 ≤ 23dBm

TDD-LTE B38/B40/B41 ≤ 23dBm

Receive Sensitivity

2.4GHz Wi-Fi: 20MHz

802.11b: -79 dBm(1 Mbps) ,

802.11g: -81dBm(6 Mbps), -64 dBm(54 Mbps)

802.11n: -81dBm(MCS0), -63 dBm(MCS7)

WCDMA B1/B5: -109 dbm (primary set)

WCDMA B8: -108.3 dbm (primary set)

LTE-FDD B1: -97.3 dbm (primary set), -98.4 dbm (diversity), -100.2 dbm (primary set + diversity)

LTE-FDD B3: -96.4 dbm (primary set), -96.4 dbm (diversity), -99.4 dbm (primary set + diversity)

LTE-FDD B5: -96.3 dbm (primary set), -99.1 dbm (diversity), -101.95 dbm (primary set + diversity)

LTE-FDD B7: -96.06 dbm (primary set), -96.36 dbm (diversity), -97.6 dbm (primary set + diversity)

LTE-FDD B8: -97.4 dbm (main set), -98.2 dbm (diversity), -102.05 dbm (main set + diversity)

LTE-FDD B20: -96.2 dbm (primary set), -97.5 dbm (diversity), -100.75 dbm (primary set + diversity)

LTE-FDD B28: -96.7 dbm (primary set), -97.9 dbm (diversity), -97.55 dbm (primary set + diversity)

LTE-TDD B38: -98.26 dbm (primary set), -97 dbm (diversity), -99.3 dbm (primary set + diversity)

Operating Temperature

-10 °C to +40 °C (14 °F to 104 °F)

Operating Humidity

5% to 95% RH (non-condensing)

Certifications

CE, RoHS

Wireless

OFDMA

-

MU-MIMO

-

BSS Coloring

-

Maximum Number of SSIDs

3

Specifications

Wireless

SSID Hiding	✓
Band Steering	-
Guest Wi-Fi	✓
WPA/WPA2	✓
WPA3	✓
Roaming	Layer 2 Roaming
Blocklist	✓
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	✓

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	NA

Specifications

Features

Reset Button



DC Connector Dimensions

Outer Diameter: 5.5 mm
Inner Diameter: 2.1 mm
Length: 9 mm
(Outer Diameter: 0.22 in.
Inner Diameter: 0.08 in.
Length: 0.35 in.)

WAN

3G/4G Router



Static IP



DHCP



PPPoE



Learning PPPoE Account & Password



VLAN Tagging



LAN

DHCP Server



Client List



Static IP Assignment



Port-Based Flow Control



Features

TR069



IPv6



DDNS



IPTV



Alarm

Not supported in 4G mode, supported in router mode

Diagnosis



UPnP



ARP Binding



Specifications

Features

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	-

System

Default Access/Password	192.168.110.1 Check the label on the bottom of the device for the default password.
URL Access	✓
Local Upgrade	✓
Online Upgrade	✓
APP Upgrade	✓
Syslog	✓
Backup	✓

/ Specifications

System

Factory Reset



Language

Chinese
English
Vietnamese
Turkish
Indonesian
Thai
traditioanl Chinese
Spanish
Russian
Arabic
Ukrainian
Czech
Italian

/ Package Contents

Package Information

RG-EW300T

Wireless Router

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Power Adapter

1

Quick Start Guide

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Warranty Card

1

Cat5E UTP Cable

1

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