

# RG-M18 1800M Wi-Fi 6 Dual-band Gigabit Mesh\* Router

DATASHEET



## Highlights

- An unprecedented wireless experience with Wi-Fi 6
- Strong signal received, feels like “wall-less”
- Born for multi-user, support up to 192 terminals
- Exclusive Reyee Mesh provides full space coverage Wi-Fi solution
- Smart signal indicator, find the best spot to place a sub-router
- Take control of your home network at your fingertips

# Highlight Features

**RG-M18**

## Mesh More Cover All

All-round upgrade of Wi-Fi performance  
Improve the overall network experience for users

- 4 Internal Antennas
- 1800M Dual-band
- 802.11ax



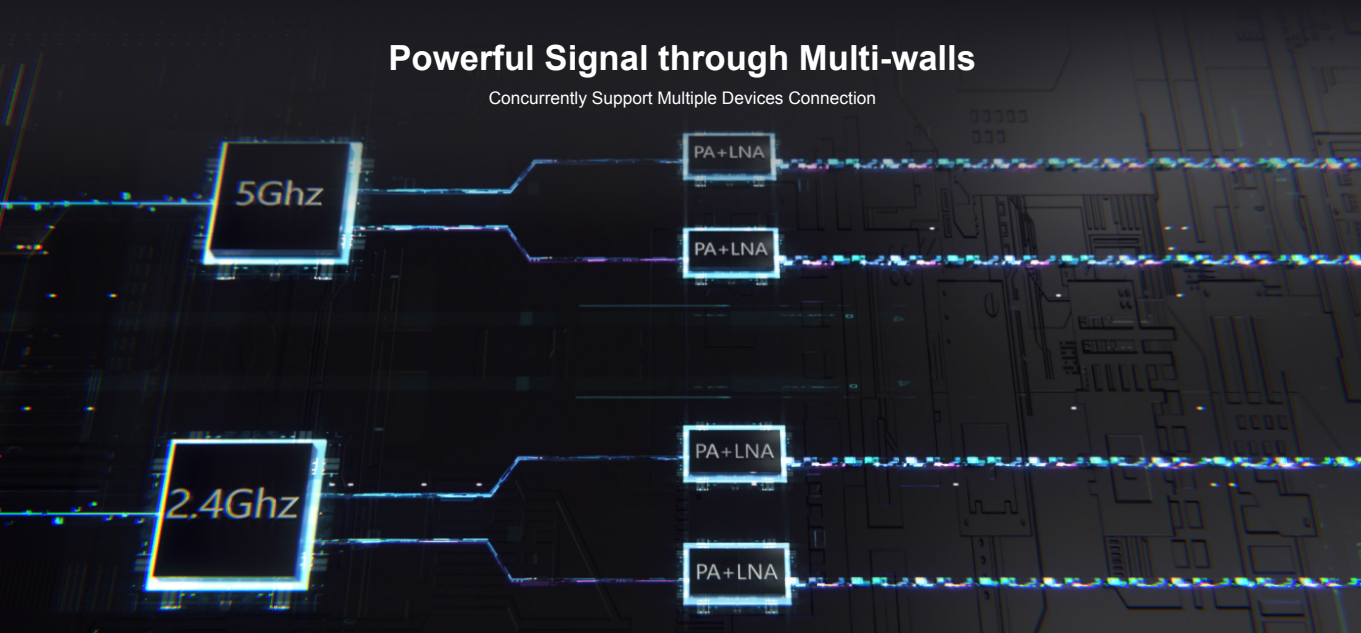
## Enter the Era of Wi-Fi 6 Speed

With a revolutionary combination of **OFDMA** and **1024QAM**, and the latest 802.11ax standard, RG-M18 dual-band concurrent transmission rate reaches **1800Mbps**, providing high-speed internet at all time.



## Powerful Signal through Multi-walls

Concurrently Support Multiple Devices Connection



The diagram illustrates the signal flow for both 5GHz and 2.4GHz bands. Each band's signal path is shown as a blue line that passes through two separate PA+LNA (Power Amplifier + Low Noise Amplifier) components, demonstrating the device's capability to support multiple concurrent connections through multi-walls.

# Highlight Features

## Signal Visualization



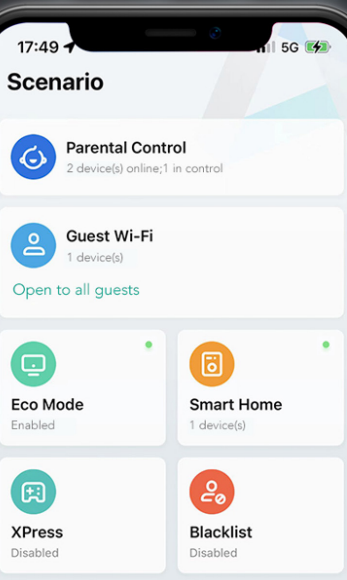
Smart signal indicator guides you to find the best spot.

## Mesh by One-click






You can click the Reyee Mesh button to complete pairing multiple devices with zero configuration.

## Seamless Roaming, Full Space Coverage Wi-Fi Solutions Amazed by **Reyee Mesh**



## Take Control of Your Home network at 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
-  Smart Home



# Specifications

## Basic

Dimensions (W×D×H)	91.5 mm × 91.5 mm × 180.6 mm (3.6 in. × 3.6 in. × 7.1 in. antennas not included)
Weight	0.369kg (packages not included)
Wi-Fi Standards	Wi-Fi 6 (802.11ax)
MIMO	2.4 GHz, 2×2, MU-MIMO 5 GHz, 2×2, MU-MIMO
Max. Wi-Fi Speed	2.4 GHz: 574 Mbps 5 GHz: 1201 Mbps
Channel Width	2.4 GHz: Auto/20/40 MHz 5 GHz: Auto/20/40/80/ MHz
Antennas	4
Antennas Type	Internal Omnidirectional
Antenna Gain	2.4 GHz: 4.0dBi 5 GHz: 6.8dBi
WAN Port	1×10/100/1000 Base-T
LAN Ports	2×10/100/1000 Base-T
Recommended Users	48
Max. Users	192
Power Supply	DC 12V/1.5A
Power Consumption	< 18 W
Operation Frequency Bands	802.11b/g/n/ax: 2.400 GHz to 2.483 GHz 802.11a/n/ac: 5.150 GHz to 5.350 GHz 802.11a/n/ac/ax: 5.470 GHz to 5.725 GHz , 5.725 GHz to 5.850 GHz country-specific restrictions apply
Transmit Power	General: CE EIRP: ≤20dBm (2.4GHz) ≤27dBm (5GHz) ≤20dBm 2400~2483.5MHz(Bluetooth) Myanmar: 2400~2483.5MHz ≤ 20dBm(EIRP); 5150~5350MHz ≤ 23dBm(EIRP); 5470~5725MHz ≤ 30dBm(EIRP); 5725~5850MHz ≤ 30dBm(EIRP);



# Specifications

## Basic

Receive Sensitivity	2.4 GHz:
	802.11b: -96 dBm(1 Mbps)
	802.11g: -91 dBm(6 Mbps), -85 dBm(54 Mbps)
	802.11n: -90dBm(MCS0), -85 dBm(MCS7)
	5 GHz:
	802.11n: -90 dBm(MCS0), -70 dBm(MCS7)
802.11a: -88 dBm(6 Mbps), -60 dBm(54 Mbps)	
802.11ac: -82dBm(MCS0), -57dBm(MCS7), -52dBm(MCS9)	

Operating Temperature	-10 °C to +45 °C (14 °F to 113 °F)
-----------------------	------------------------------------

Operating Humidity	5% to 95% Noncondensing
--------------------	-------------------------

Certifications	CE, RoHS
----------------	----------

## Wireless

OFDMA	✓
-------	---

MU-MIMO	✓
---------	---

BSS Coloring	✓
--------------	---

Maximum Number of SSIDs	6
-------------------------	---

SSID Hiding	✓
-------------	---

Band Steering	✓
---------------	---

Guest Wi-Fi	✓
-------------	---

WPA/WPA2	✓
----------	---

WPA3	-
------	---

Roaming	Layer 3 Roaming
---------	-----------------

Blacklist	✓
-----------	---

Reyee Mesh	✓
------------	---

Mesh Pairing by Hardware	✓
--------------------------	---

Mesh Pairing by Mesh Button	✓
-----------------------------	---

Mesh Pairing by Eweb	✓
----------------------	---

## Specifications

### Wireless

Recommended Hop Count  $\leq 2$

Wi-Fi Optimization ✓

QoS (WMM) ✓

WPS -

Transmission Power Adjustment ✓

### Hardware

CPU MT7621A+MT7905DAN+MT7975DN

Flash 16 MB

RAM/SDRAM 256 MB

Color White

System LED Indicator ✓

Reyee Mesh LED Indicator ✓

Reyee Mesh Button ✓

Power Button -

Reset Button ✓

DC Connector Dimensions  
Outer Diameter: 5.5 mm  
Inner Diameter: 2.0 mm  
Length: 11.5 mm  
(Outer Diameter: 0.22 in.  
Inner Diameter: 0.07 in.  
Length: 0.39 in. )

### WAN

Static IP ✓

DHCP ✓

PPPoE ✓

## Specifications

WAN

# Specifications

## 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  
No Password Required by Default

URL Access ✓

Local Upgrade ✓

Online Upgrade ✓

APP Upgrade ✓

Syslog ✓

Backup ✓

Factory Reset ✓

Language Chinese  
English  
Vietnamese  
Indonesian  
Thai  
Arabic  
Traditional Chinese  
Spanish  
Russian



## Package Contents

Package Information	RG-M18
Wireless Router	1
Power Adapter	1
Quick Start Guide	1
Cat5E UTP Cable	1

**Ruijie | Rcycc**

 **Redefine your easy network**

---

**Copyright ©2000-2023 Ruijie Networks Co., Ltd. All rights reserved.**

No part of this document may be reproduced or transmitted in any form or any means without prior written consent of Ruijie Networks Co., Ltd.

**Notice**

This content is applicable only to regions outside the China mainland. Ruijie Networks Co., Ltd. reserves the right to interpret this content.

The information contained herein is subject to change without notice. Nothing herein should be construed as constituting an additional warranty. Ruijie Networks Co., Ltd. shall not be liable for technical or editorial errors or omissions contained herein.



Ruijie Networks Co., Ltd.  
Building 19, Juyuanzhou Industrial Park, No.618  
Jinshan Road, Cangshan District, Fuzhou, Fujian, China  
Website: <https://www.ruijienetworks.com>