Ruijie | Reyee

RG-EW1800GX PRO
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
- Take control of your home network at your fingertips

Highlight Features

RG-EW1800GX PRO

An Unprecedented Wireless Experience
in WiFi 6

All-round upgrade of Wi-Fi performance,
Improve the overall networking experience for users.

5 Gigabit Ethernet ports

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, 1800GX PRO dual-band concurrent transmission rate reachs 1800Mbps, providing **high-speed** internet at all time.
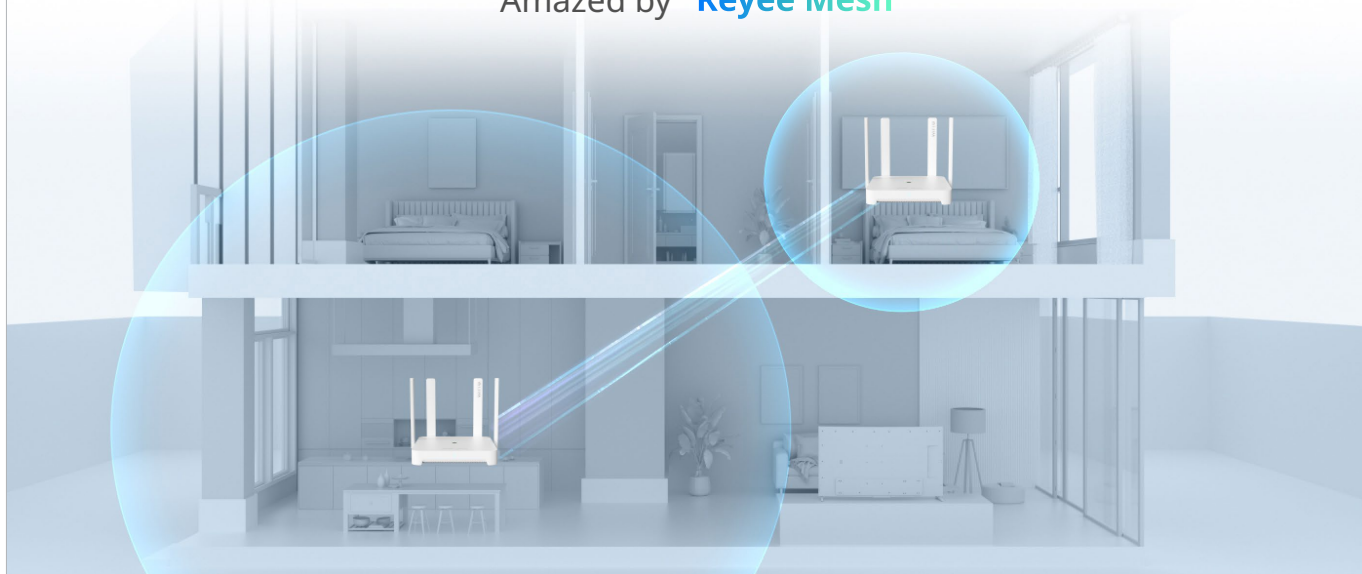
Highlight Features

Strong Signal Received, Feels like "wall-less"

Beamforming technology and built-in signal amplifiers combine to enhance strong Wi-Fi signal throughout your home.

* The data is supported by Tolly Test under the laboratory condition.

Seamless Roaming, Full Space Coverage Wi-Fi Solutions
Amazed by   Reyee Mesh
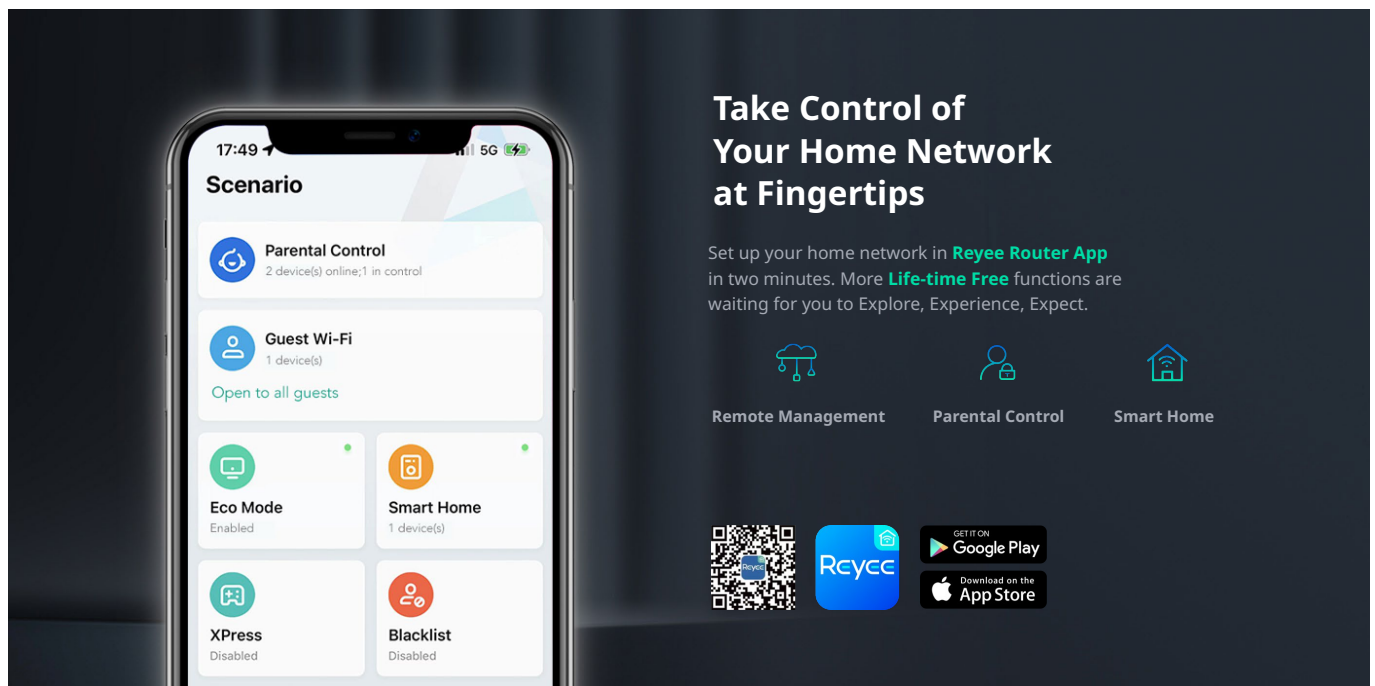
Highlight Features

Born For Multi-user

Upgraded **MU-MIMO** version together with **OFDMA** tech provide 2.5× greater capacity to connect more terminals.
New-Gen tech "**BSS colouring**", Smart anti-interference from nearby Wi-Fi signals.

up to
192
terminals

WiFi 6

*Data from Ruijie lab. Actual results may vary.

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

17:49 5G

Scenario

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

Reyee

GET IT ON
Google Play

Download on the
App Store

/ Specifications

Basic	
Dimensions (W×D×H)	180 mm x 180 mm x 30 mm (7.09 in. × 7.09 in. × 1.18 in. antennas not included)
Weight	0.55 kg (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	External Omnidirectional
Antenna Gain	2.4 GHz: 5 dBi 5 GHz: 6 dBi
WAN Port	1×10/100/1000 Base-T Port
LAN Ports	4×10/100/1000 Base-T Ports
Recommended Users	48
Max. Users	192
Power Supply	DC 12V/1.5A
Power Consumption	≤18W
Operation Frequency Bands	802.11b/g/n/ax: 2.400 GHz to 2.483 GHz 802.11a/n/ac/ax: 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
DFS	✓
Transmit Power	Regular: CE EIRP: ≤20 dBm (2.4 GHz) ≤27 dBm (5 GHz)
Operating Temperature	0 °C to +45 °C (32 °F to 113 °F)
Operating Humidity	5% to 95% Noncondensing
Certifications	CE,RoHS

/ Specifications

Wireless	
OFDMA	✓
MU-MIMO	✓
BSS Coloring	✓
Maximum Number of SSIDs	6
SSID Hiding	✓
Band Steering	✓
Guest Wi-Fi	✓
WPA/WPA2	✓
WPA3	✓ (only supported in ReyeeOS 1.219 and later versions)
Roaming	Layer 2 Roaming
Blacklist	✓
Reyee Mesh	✓
Mesh Pairing by Hardware	✓
Mesh Pairing by Mesh Button	✓
Mesh Pairing by Eweb	✓
Recommended Hop Count	≤5
Wi-Fi Optimization	✓
QoS (WMM)	✓
WPS	-
Transmission Power Adjustment	✓

Hardware	
CPU	MT7621
Flash	16M

/ Specifications

Hardware	
RAM/SDRAM	256M
Color	White
System LED Indicator	✓
Reyee Mesh LED Indicator	✓
Reyee Mesh Button	✓
Power Button	-
Reset Button	✓
DC Connector Dimensions	5.5 mm x 2.1 mm x 9.5 mm (0.22 in. × 0.08 in. × 0.37 in. antennas not included)
WAN	
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	✓

/ Specifications

Features	
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	✓
Protect TCP Flood Attacks	✓
Protect ICMP Attacks	✓
Protect UDP Flood Attacks	✓

System	
Default Access/Password	192.168.110.1 No Password Required by Default

Specifications

System	
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

Model	RG-EW1800GX PRO
Wireless Router	1
Power Adapter	1
Quick Start Guide	1
Cat5e UTP Cable	1

Ruijie | Reyee

Redefine your easy network

Ruijie Networks Co., Ltd.
Website: https://reyee.ruijie.com/en-global