

# RG-EW1800GX PRO

## AX1800 Wi-Fi 6 Dual-band Gigabit Mesh Router



### Highlights

- Unprecedented wireless experience with Wi-Fi 6
- Wi-Fi 6 ultra-high-speed
- Strong signals received
- Exclusive ReYee mesh providing full-space-coverage Wi-Fi solution
- Multi-user support
- 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

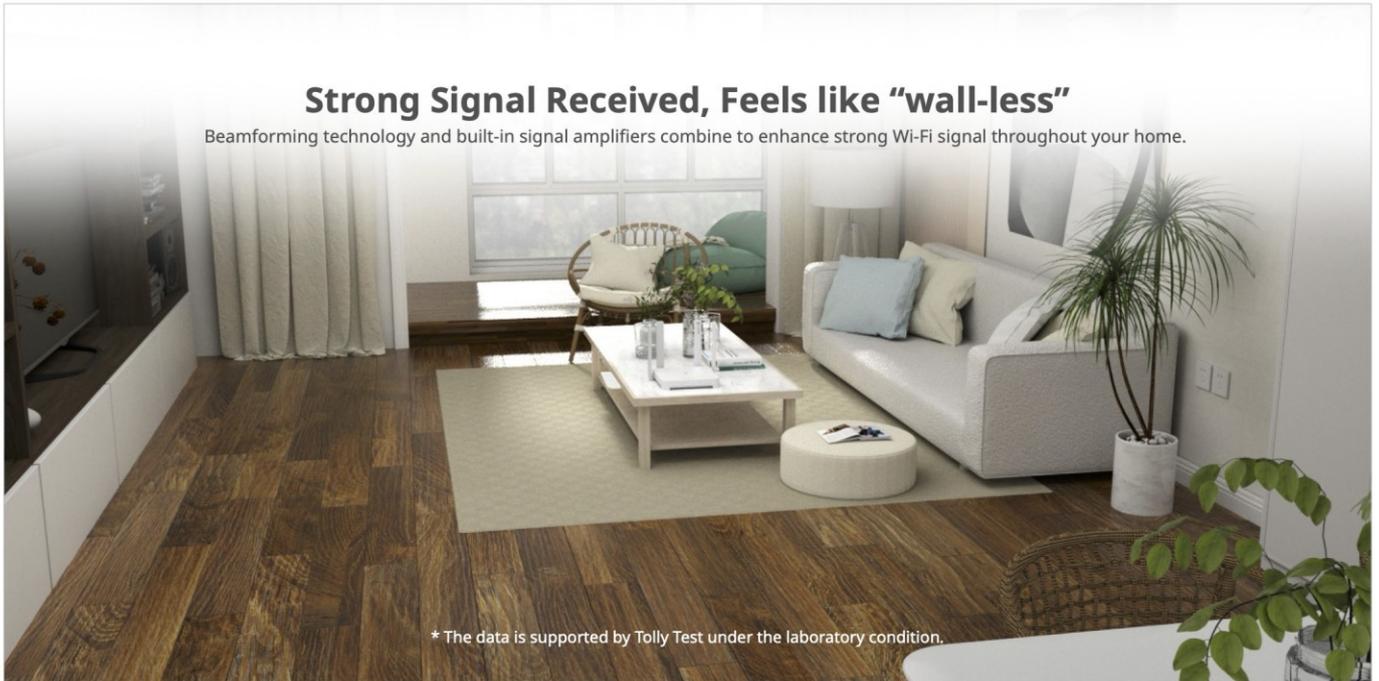
With 1024-QAM and the latest 802.11ax standard,  
the 1800GX PRO delivers a dual-band concurrent transmission rate of up to 1800Mbps,  
providing consistent **high-speed** internet experience.



## 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.



### Seamless Roaming, Full Space Coverage Wi-Fi Solutions

Amazed by [Reyee Mesh](#)



# Highlight Features

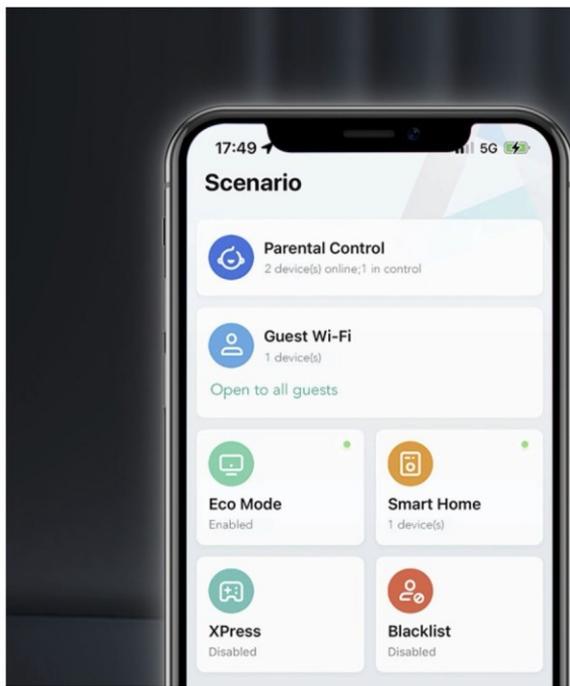
## Born For Multi-user

Upgraded MU-MIMO version provides 2.5x greater capacity to connect more terminals.  
New-Gen tech "BSS coloring", Smart anti-interference from nearby Wi-Fi signals.



## 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



# Hardware Specifications

Model	RG-EW1800GX PRO
<b>Wi-Fi Radio</b>	
<b>Operating band</b>	IEEE 802.11b/g/n/ax, 2.400GHz~2.4835GHz; IEEE 802.11a/n/ac/ax, 5.150GHz~5.350GHz; IEEE 802.11a/n/ac/ax, 5.470GHz~5.725GHz; IEEE 802.11a/n/ac/ax, 5.725GHz~5.850GHz;
<b>FEM</b>	EPA
<b>Max. Wi-Fi Speed</b>	2.4 GHz, 573 Mbps 5 GHz, 1200 Mbps
<b>Maximum transmit power</b>	<p>2.4 GHz:</p> <p>802.11b: 25 dBm 802.11g: 6 Mbps 25 dBm; 54 Mbps 21 dBm 802.11n: MCS0 25 dBm; MCS7 21 dBm 802.11ax: MCS11 19 dBm</p> <p>5 GHz:</p> <p>802.11a: 6 Mbps 25 dBm; 54 Mbps 21 dBm 802.11n: MCS0 25 dBm; MCS7 21 dBm 802.11ac: MCS0 25 dBm; MCS9 20 dBm 802.11ax: MCS0 25 dBm; MCS9 20 dBm; MCS11 18 dBm</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: Note: Country specific restrictions apply</p> <p>European Union &amp; United Kingdom: 2400-2483.5 MHz, EIRP ≤ 20 dBm 5150-5350 MHz, EIRP ≤ 23 dBm 5470-5725 MHz, EIRP ≤ 30 dBm</p> <p>Myanmar: 2400-2483.5 MHz, EIRP ≤ 23 dBm 5725-5825 MHz, EIRP ≤ 30 dBm</p> <p>Thailand: 2400-2483.5 MHz, EIRP ≤ 20 dBm 5150-5350 MHz, EIRP ≤ 23 dBm 5470-5725 MHz, EIRP ≤ 30 dBm 5725-5825 MHz, EIRP ≤ 30 dBm</p> <p>Indonesia: 2400-2483.5 MHz, EIRP ≤ 27 dBm 5150-5350 MHz, EIRP ≤ 23 dBm 5725-5825 MHz, EIRP ≤ 23 dBm</p> <p>Egypt: 2400-2483.5 MHz, EIRP ≤ 20 dBm 5150-5350 MHz, EIRP ≤ 23 dBm</p>

# Hardware Specifications

Model	RG-EW1800GX PRO
	Vietnam: 2400-2483.5 MHz, EIRP ≤ 23 dBm 5150-5350 MHz, EIRP ≤ 23 dBm 5470-5725 MHz, EIRP ≤ 30 dBm 5725-5825 MHz, EIRP ≤ 30 dBm
MIMO	2.4 GHz, 2 x 2 5 GHz, 2 x 2
Wi-Fi standard	Wi-Fi 6 (IEEE 802.11ax)
<b>Antenna</b>	
Antenna	4 x external antennas
Antenna gain (2.4 GHz)	4.5 dBi
Antenna gain (5 GHz)	6 dBi
<b>Certification and Regulatory Compliance</b>	
Certification	CE
<b>Dimensions and Weight</b>	
Product dimensions (W x D x H)	180 mm × 180 mm × 30 mm (7.09 in. × 7.09 in. × 1.18 in.) (excluding antennas)
Weight	0.55 kg (1.21 lbs) (without packaging materials) 1.15 kg (2.54 lbs) (with packaging materials)
<b>Environment and Reliability</b>	
Operating humidity	5% RH to 95% RH (non-condensing)
Operating temperature	-10 °C to +45 °C (14 °F to 113 °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 system status LED 1 x Mesh LED 5 x Ethernet port LEDs
LAN ports	4 x 10/100/1000BASE-T ports
WAN ports	1 x 10/100/1000BASE-T port

# / Hardware Specifications

Model	RG-EW1800GX PRO
<b>Power Supply and Consumption</b>	
Power supply	DC 12 V 1.5 A
<b>Product Information</b>	
Warranty	3 years
<b>System Specifications</b>	
RAM	256 MB

# Software Specifications

Model	RG-EW1800GX PRO
<b>Basic Configurations</b>	
LED management	Yes
Internet access mode	PPPoE, DHCP, Static IP, WISP, L2TP
Preconfiguration	Yes
Reset and keep configurations	Yes
Restoring factory defaults	Yes
Configuration backup	Yes
Local upgrade	Yes
Online upgrade	Yes
Scheduled upgrade	No
AP mode	Yes
<b>Ethernet Switching</b>	
WAN port aggregation	No
LAN port aggregation	No
Specifying the VLAN tag	Yes
<b>IP Service</b>	
Port mapping	Yes
ARP binding	Yes
Number of ARP binding entries	64
DDNS	Yes
No-IP DNS	Yes
Ruijie DDNS	Yes
NAT-DMZ	Yes
Number of port mapping entries	50

# Software Specifications

Model	RG-EW1800GX PRO
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	32
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	Yes
Note: Not supported by wired connections when IPTV is turned on	

# Software Specifications

Model	RG-EW1800GX PRO
<b>Network Management and Monitoring</b>	
Line detection	Yes
Arabic	Yes
Chinese (Hong Kong Traditional)	Yes
Chinese (Simplified)	Yes
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
<b>Rate Limiting</b>	
Client-based rate limiting	Yes
<b>Reyee Mesh 3.0</b>	
Reyee Mesh 3.0	Yes

# Software Specifications

Model	RG-EW1800GX PRO
Automatic switching between wired and wireless repeater mode	Yes
Recommended hop count	2
Maximum number of clients	192
Maximum number of devices	32
<b>Security</b>	
Encryption mode	Yes
<b>System Performance Capacity</b>	
Maximum number of concurrent clients	64 (2.4 GHz) 128 (5 GHz)
Recommended number of concurrent clients	12 (2.4 GHz) 36 (5 GHz)
IPTV/IGMP client capacity	5
IPTV/IGMP multicast capacity	5
IPTV/IGMP wired forwarding performance	20 Mbps
Recommended camera limit	6 (2.4 GHz) 16 (5 GHz)
<b>VPN</b>	
Number of concurrent tunnels supported by the OpenVPN server	8
Certificate authentication	Yes
OpenVPN bandwidth	13 Mbps
OpenVPN client	Yes
OpenVPN server	Yes
Server domain name configuration	Yes
Username and password authentication	Yes
Number of concurrent tunnels supported by the PPTP VPN server	30

## Software Specifications

Model	RG-EW1800GX PRO
PPTP VPN client	Yes
PPTP VPN server	Yes
Wireless Configuration	
Guest Wi-Fi	Yes
WLAN	
1024-QAM	Yes
MLO	No
DFS	Yes
802.11k/v roaming	Yes
Wi-Fi blocklist capacity	64
SSID hiding	Yes

## Package Contents

Model	RG-EW1800GX PRO
<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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**Ruijie Networks Co., Ltd.**

Official Website: <https://Reyee.Ruijie.com>