JUPLINK

RX4-1800 Dual band WIFI 6

Highlights

- Support Wi-Fi 6 Technology, Next-Gen Wi-Fi technology, Backward Compatible.

- Super-fast Wi-Fi with combined speeds up to 1.8Gbps.

- Connect More Devices, up to 48 devices at the same time.

- More Reliable Coverage, up to 2500 square FT.

- Support Wi-Fi easy mesh, create a Whole Home Wi-Fi System.

- Quad-Core Processing.

Overview

Rx4-1800 is a Dual-band Wi-Fi 6 router, which reaches fast speeds up to 1.8 Gbps. (1200 Mbps on 5 GHz and 600 Mbps on 2.4 GHz.) The 1.5 GHz quad-core processor ensures communications between your router and all connected devices are smooth and buffer-free. Equipped with latest Wi-Fi 6 wireless technology, RX4-1800 can provide faster speeds, greater capacity and reduced network congestion. Wi-Fi 6 technology can simultaneously transmit more data to more devices using OFDMA and MU-MIMO technologies. 4 High-performance 5dBi antennas and powerful RF FEM(PA+LNA) are used, so that it can reach more reliable coverage, up to 2500 square FT. Rx4-1800 also support WIFI easy mesh, can create a Whole Home Wi-Fi System.

Faster Speed; less lag

- Super-fast Wi-Fi with combined speeds up to 1.8Gbps; 1200Mbps @5Ghz, 600Mb ps@2.4Ghz.

- Support 2.4G and 5G Dual band Wi-Fi, but can configure to unified Wi-Fi name , Smart Roaming automatically connect your mobile devices to the best available Wi-Fi.

- Broadcom chip powered by Quad-Core ARM processer.

More Devices Connected

- OFDMA and MU-MIMO technologies of Wi-Fi 6, enables simultaneous streaming of data for multiple devices.

- Improve the network performance by 4 times on average. Enjoy smooth and stable network connection experience, using mobile phones, tablets, and laptops at the same time.

Wider Coverage

- Support Wi-Fi easy mesh, create a Whole Home WiFi System.

- Powerful standalone RF FEM (including Power Amplifier and Low Noise Amplifier) Greatly improve the transmission power and reception sensitivity, easy coverage of large family.

- 4 High-performance 5dBi antennas.

Key Features

OFDMA Technology of Wi-Fi 6

In the OFDMA scheme, frequency channel is divided into multiple smaller sub-channels (sub-carriers), forming frequency resource blocks. User data is carried in each resource block, not the entire channel, realizing concurrent transmission of multiple users in a time period.

It is like delivering goods. With OFDM technology, a Wi-Fi 5 enabled device delivers one order at a time, using a truck, even if the order contains only a small parcel.
With OFDMA technology, a Wi-Fi 6 enabled device puts multiple orders in one truck, and tries to deliver in full load, which greatly improves transmission efficiency.


MU-MIMO Technology of Wi-Fi 6

MU-MIMO (Multi-User Multiple-Input Multiple-Output), allows the router to communicate with multiple devices at the same time instead of in turn. Like the road traffic, MU-MIMO changes the road from 2 uni-directional lanes to four bi-directional lanes. Devices moves in and out fast from different lanes, other than queuing for one outlet.
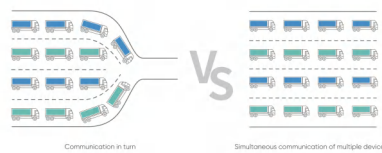
TWT technologies, lower device power consumption

TWT (target wakeup time) allows to negotiate the time and frequency of waking up devices to transmit data, with the benefits of longer sleep time of devices, and much longer battery lifespan of mobile and IoT devices.
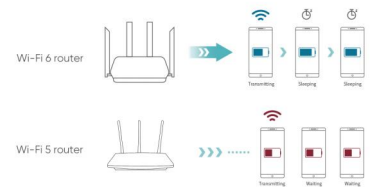
One-key configuration of mesh network

After configuring Internet connection on the master router, press the WPS button on the master router, and then press WPS on the other routers/extenders within 2min. You are now connected to the network!


Parent control, prevents unlimited online usage

Control the time for your kids to go on line, effectively prevent Internet indulgence, and protect Internet environment of your kids, by setting the allowed time of Internet connection and websites that can be accessed.

Smart APP, easy control

Manage router easily from anywhere, ensuring secure network.
Device management:
Monitor your home easily and remotely.
Wi-Fi optimization:
Automatically detect the best Wi-Fi signal.
One-key speed test: Test network speed with one-key operation.
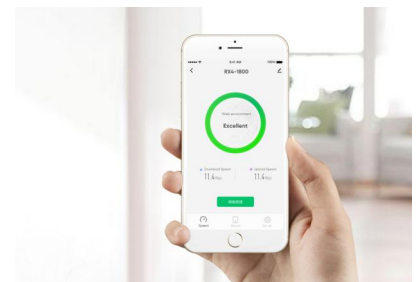
Specifications

Hardware configuration

Chipset
Broadcom-based, 4-core ARM 1.5 GHz processor

Interface
1 * 10/100/1000Mbps WAN RJ45 port
4 * 10/100/1000Mbps LAN RJ45 port

Flash/RAM
1Gb flash, 2Gb DDR3

Button
1 * WPS button
1 * Reset button

External Power Supply
Input: AC 100-240V, 50 /60 Hz; Output: DC 12V, 1A
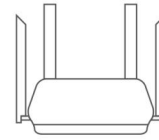
Wireless Spec

2.4GHz (802.11ax, 2*2)
IEEE standard
Antenna
2 * external 2.4G antenna, 5 dBi
Connection rate
Flux
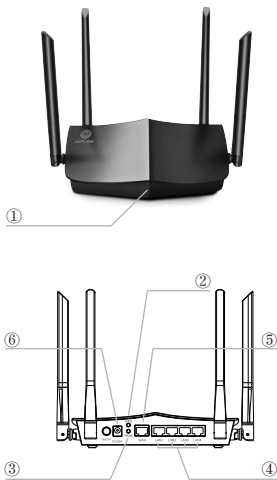
Work Environment

Operating temperature: 0-40 ℃
Storage temperature: -10 ℃ -70 ℃
Operating humidity:10%~90%, non-condensing
Storage humidity: 5%~95%, non-condensing
Weight: 1.4 lbs

Overall Dimension

L x W x H (single device): 170 x 125 x 35 mm

LED Status Indicators

LED indicator	Status	Description
① Red/Green	Solid on in red	The router system is starting or failed to connect to the network.
	Blinking in green	The router is performing WPS or Mesh negotiation.
	Solid on in green	Router has been successfully connected to the Internet.

Ports & Buttons

Ports / Buttons	Description
② WPS	To start the WPS negotiation process of the router
③ Reset	To reset the router
④ LAN 1-4	To connect to wired devices such as computers, switches, etc
⑤ WAN Port	To connect this router to the Internet
⑥POWER	To connect to the power cord