

【One Page】Xiaomi Wi-Fi Range Extender AX1500



Basic Information

Product Name	Xiaomi Wi-Fi Range Extender AX1500
Model	RN12
Positioning	Entry level Wi-Fi 6 Wi-Fi Range Extender
Target Users	For families living in medium to large multi-story homes who require stable, high-speed internet across all areas of their house. These users already got a router for the house and didn't want to buy a new set of Mesh System. The Wi-Fi Range Extender AX1500 can work with their existing router, offering an easy way to eliminate Wi-Fi dead zones.
Retail Price	€39.90
Launch Time	May.2025

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Key Features

1. Flexible Coverage Boost

With high-speed Wi-Fi 6 technology, the wireless speed can reach up to 1500 Mbps. Just plug the extender into the signal blind spot and enjoy fluent internet experience.

2. All Around Signal Coverage

Equipped with dual-polarized omnidirectional antennas, Xiaomi Wi-Fi Range Extender ensures wider signal coverage for seamless connectivity across devices.

3. EasyMesh Compatible

Not only support Xiaomi Mesh technology, but also compatible with EasyMesh. This allow range extender to establishes a single unified network with other EasyMesh supported brand routers. Your phone or tablet automatically connects to the fastest Mesh node as you move from room to room or from upstairs to downstairs.

*Requires electronic devices such as smartphones and tablets to support the 802.11k/v protocols.

4. Gigabit Ethernet Port

Featured a Gigabit Ethernet port, it easliy connects your printer, PC, TV or other wired devices to the network.

5. Acess Point Mode

Transforms your existing wired network into a high-speed wireless network, ensuring fast connectivity for your devices.

6. Dual-band SmartLink

Xiaomi Wi-Fi Range Extender can automatically switch to another band if the selected band connection with primary router fails. This intelligent feature guarantees continuous and stable connectivity throughout the house.

7. Easy to Use

Networking setup is easy with the Mi Home/Xiaomi Home app. You can also manage your Wi-Fi remotely with the app, all at your fingertips.

8. Comprehensive Compatibility

Xiaomi Wi-Fi Range Extender can works with any routers from any brands. Extending your Wi-Fi signal is just easy.

Specification

Model	RN12
Wi-Fi Standard	2*2 MIMO, 802.11n, 300 Mbps 2*2 MIMO, 802.11ax, 1200 Mbps

Ethernet Port	10/100/1000Mbps port x 1
Button	Reset button x 1 Mesh/WPS combo button x 1
Size	84*82*168 mm
Weight	TBD
Power Input	100-240V~50/60Hz 0.3A
Indicator	System indicator × 1 Signal indicator × 1
Temperature	Operating : 0-40℃
	Storage:-40-70℃
Humidity	Operating : 10%-90%RH (non-condensing)
	Storage: 5%-90%RH (non-condensing)
Package Content	Xiaomi Wi-Fi Range Extender AX1500 Xiaomi Wi-Fi Range Extender AX1500 × 1 User manual × 1 Warranty card × 1

Competitive Analysis

Pros

- More competitive price
- Much better Wi-Fi performance compared with TP-Link RE 500X, which used PCB antennas
- More compact design to fit with your home decor

Cons

- Wi-Fi performance is slightly weaker than RE 505X, which equipped with longer external antennas

Note: The antenna length for Xiaomi extender is 117mm, striking a balance between Wi-Fi performance and product appearance

Product	Xiaomi Wi-Fi Range Extender AX1500	TP-Link RE 505X	
Image			
Retail Price	€39.9	€49.9	
SoC	RTL8197FH	BCM6750	
Frequency	Single core 1.0GHz	Tri core 1.5GHz	

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FAQ

1. What's the relation between Xiaomi Wi-Fi Range Extender AX1500 and Xiaomi Wi-Fi Range Extender AC1200?

The Range Extender AX1500 has higher speed and better performance, including Xiaomi Mesh and EasyMesh supported.

The Range Extender AX1500 caters to users with higher performance demands and a need for the latest technology, while the AC1200 extender is aimed at users seeking a cost-effective solution for moderate internet usage.

Product		Xiaomi Wi-Fi Range Extender AX1500	Xiaomi WiFi Range Extender AC1200
Hardware	5GHz Speed	1200 Mbps (2*2 MIMO 80MHz)	867 Mbps (2*2 MIMO 40MHz)
	2.4GHz Speed	300 Mbps (2*2 MIMO 40MHz)	300 Mbps (2*2 MIMO 40MHz)
	Antennas	External antennas 117mm	External antennas 91mm
	Ethernet Port	1 x 1000Mbps Ethernet Port	1 x 100Mbps Ethernet Port
Software	Self-developed Mesh	xiaomi Mesh	NA
	EasyMesh	Y	NA
	AP Mode	Y	Y
	App Management	Mi Home/Xiaomi Home app	Tether app

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2. Can Xiaomi Wi-Fi Range Extender AX1500 works with other brand's router?

Yes, Xiaomi extender can works with other brand's router

3. How can I created a Mesh network with a router

For Xiaomi router equipped with Xiaomi Mesh technology

- Plug Xiaomi Wi-Fi Range Extender AX1500 into power
- The main router will automatically discover the extender, and the indicator of the main router will start breathing blue
- Press the Mesh button on Xiaomi router (main router), and they will mesh networking with each other automatically

For third party router equipped with EasyMesh technology

- Plug Xiaomi Wi-Fi Range Extender AX1500 into power
- Press the Mesh button on Xiaomi Wi-Fi Range Extender AX1500 and third party router
- They will mesh networking with each other automatically (the process may vary for different brand, you can contact the manufacturer of your router for help)

4. What the ID design difference between Xiaomi Wi-Fi Range Extender AX1500 and Xiaomi WiFi Range Extender AC1200?

The ID difference are listed below:



Xiaomi WiFi Range Extender AX1500



Xiaomi WiFi Range Extender AC1200

	Extender AX1500	Extender AC1200
Color	White	Black
Antenna Length	118mm	91mm

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