

Mi Router AX9000



Built for Gamers, Tri-Band Wi-Fi 6

- Tri-Band Wi-Fi 6, wireless speed up to 8,354Mbps
- 2.2GHz quad-core CPU delivers smooth network performance
- 2.5G ethernet port handles massive throughput and eliminates lag
- Advanced 4K QAM increases data transfer rate by 20%
- Dedicated 5GHz gaming router with 160MHz bandwidth



Dimensions and Design

Dimensions (L x W x H): 270mm x 270mm x 174mm
Spacecraft-inspired exterior design
Customized LED color
Enhanced heat dissipation
Color: Black
Biodegradable, non-toxic packaging

Network

Tri-band Wi-Fi 6¹
IEEE 802.11a/b/g/n/ac/ax, IEEE 802.3u/3ab
External high gain antenna x 12
Maximum Wi-Fi speed: 8,354Mbps²
- 2.4GHz band (up to 1,148Mbps)
- 5GHz-1 band (up to 4,804Mbps)
- 5GHz-2 band (up to 2,402Mbps)
- Dedicated AiOT antenna

Hardware

Qualcomm® hexa-core processor
- 14nm 2.2GHz 64-bit A53 Quad-core CPU
- 1.7GHz Dual-core NPU
Memory: 1GB
Modulation: 4K QAM

Connectivity

Gigabit ports x 4
- 10/100/1000/2500Mbps self-adaptive WAN/LAN port x 1
- 10/100/1000Mbps self-adaptive WAN/LAN port x 1
- 10/100/1000Mbps self-adaptive LAN port x 3
USB3.0 x1
Mi Home app

Security:

Wireless Security: WPA-PSK/WPA2-PSK/WP3-SAE encryption

Package Contents

Mi Router AX9000 x 1; Cable x 1; Ethernet cable x 1; User manual x 1

Tri-Band Wi-Fi 6, wireless speed up to 8,354Mbps

Mi Router AX9000 is Xiaomi's first tri-band Wi-Fi 6 router¹, designed for heavy-duty gaming and hyper-connected home of the future. This flagship router offers one 2.4GHz and two 5GHz bands, as well as a dedicated AiOT antenna, delivering outstanding wireless speed up to 8,354Mbps² while avoiding too many connected devices impacting user gaming performances.

2.2GHz quad-core CPU delivers smooth network performance

Equipped with a Qualcomm® hexa-core processor that consists of a quad-core CPU and a dual-core NPU, Mi Router AX9000 further bolsters network performance for a super stable connection, ratcheting up the computing power to 20240 DMIPS. 1GB of memory enables even faster processing and better connectivity for more devices.

2.5G ethernet port handles massive throughput and eliminates lag

In addition to exceptional wireless performance, Mi Router AX9000's 2.5G WAN/LAN port delivers excellent wired connectivity by enabling the device to handle massive throughput to eliminate lags. This high-speed ethernet port supports both adaptive LAN and 2.5G WAN³.

Advanced 4K QAM increases data transfer rate by 20%

Mi Router AX9000 not only features strong network efficiency with the support of Wi-Fi 6 OFDMA technology, but also sports 12 antennas for 4x4 MU-MIMO, which creates a stronger signal for end devices and supports fast data exchange for scenarios like gaming and video calls. The wireless transfer speeds are also enhanced by 4K QAM⁴, which increases by 20% in comparison to 1024QAM⁵.

Dedicated 5GHz gaming router with 160MHz bandwidth

To guarantee a completely smooth and low latency gaming experience, Mi Router AX9000 comes with a dedicated 5GHz gaming band delivering an outstanding 160MHz bandwidth. To allow for long gaming sessions and multiple device connectivity, the device has been designed with a built-in fan for improved heat dissipation. Combined, the 5GHz router and built-in fan makes multiplayer gaming both smoother and faster.

¹ To enable Wi-Fi 6 (802.11ax) and features including OFDMA, MU-MIMO, and 4K QAM/1024QAM require end devices also support the corresponding features. Actual wireless rate may vary between actual network conditions.

² Maximum wireless transmission rates are the physical rates derived from IEEE Standard 802.11 specifications.

³ 2.5G (2.5Gbps) internet speed required compatible service plans from ISPs.

⁴ Only compatible with end devices that support 4K QAM and 2x2 MIMO

⁵ As a result of the 5GHz-1 band (up to 4804Mbps) using 4K QAM with 2x2 MIMO@160MHz, compared to 1024QAM with 2x2 MIMO@160MHz.