ASUS RT-AX52(AX1800) Dual Band WiFi 6 Extendable Router

EXTENDABLE ROUTER
AiMesh

- **New-Gen WiFi Standard-** Supporting 802.11ax WiFi standard for better efficiency and throughput.
- **Ultra-fast WiFi Speed-** RT-AX52 supports 1024-QAM for dramatically faster wireless connections. With a total networking speed of about 1800Mbps — 574 Mbps on the 2.4GHz band and 1201 Mbps on the 5GHz band.
- **Increase Capacity and Efficiency-** Supporting not only MU-MIMO but also OFDMA technique to efficiently allocate channels, communicating with multiple devices simultaneously
- **Easy Extendable Network-** Enjoy seamless roaming with rich, advanced features by adding any AiMesh-compatible router.



WiFi that Goes Further

We've designed RT-AX52 to give you the widest possible WiFi coverage. It uses OFDMA, a new technology in WiFi 6 that allows signals to travel further than they can in WiFi 5. The 2x2 MIMO configuration helps too, as do other enhancements like beamforming, which focuses the signal towards each device.





The Latest WPA3 Network Security

The next generation of WiFi security, bringing new capabilities to enhance WiFi protections in personal networks. Building on the widespread adoption of WPA2 over more than a decade, WPA3 adds new features to simplify WiFi security, enable more robust authentication, and deliver increased cryptographic strength for highly sensitive data markets.

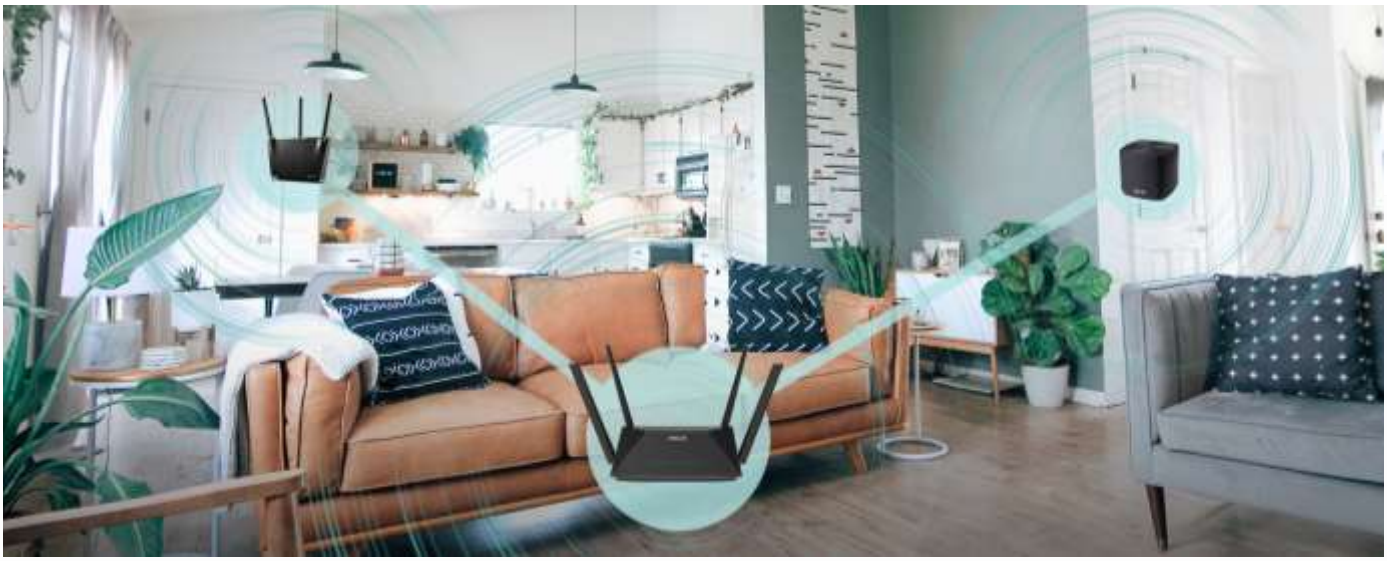
More Privacy, Anywhere

Free public WiFi is rarely secure. Thanks to Instant Guard VPN technology, you can surf on public WiFi network safely through RT-AX52 with one-click setup. In addition, it's free!



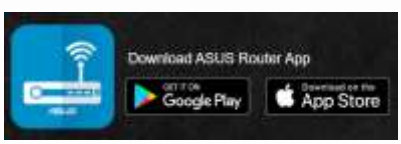
Flexible and Scalable Wireless Networking

If you need more coverage or new functions, you can simply add another compatible router to your AiMesh network at any time!



The Way You Want, Easy Control

Download the latest ASUS Router App. With graphic icons and clear instructions, You can easily start RT-AX52 and setup dedicated functions as you want.





Specifications

Network Standard	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax, IPv4, IPv6
Product Segment	AX1800 ultimate AX performance
Coverage	Medium homes
Data Rate	• 2.4GHz 574Mbps • 5GHz 1,201Mbps
Specification	Operating temperature: 0℃ ~ 40℃ Operating humidity: 50 % ~ 90 %
Antenna	External antenna x 4
Transmit/Receive	2.4 GHz 2x2 5 GHz 2x2
Memory	128 MB Flash 256 MB RAM
Operating Frequency/Output power	2.4 GHz < 20dBm 5 GHz < 30dBm
Power Supply	AC Input : 110V~240V(50~60Hz) DC Output : 12 V with max. 1A current
Encryption	WPA3-Personal, WPA2-Personal, WPA-Personal, WPA-Enterprise , WPA2-Enterprise , WPS support
Management	UPnP, IGMP v1/v2/v3, DNS Proxy, DHCP, NTP Client, DDNS, Port Trigger, Port Forwarding, DMZ, System Event Log
VPN Support	OpenVPN server, PPTP server, Ipsec server, OpenVPN server, PPTP client;L2TP client, OpenVPN client
WAN Connection Type	Automatic IP, Static IP, PPPoE(MPPE supported), PPTP, L2TP
Ports	RJ45 for Gigabits BaseT for WAN x 1 RJ45 for Gigabits BaseT for LAN x 3
Button	WPS Button Reset Button

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Specifications

OS Support	Windows® 11 Windows® 10 Windows® 8 Windows® 7 Mac OS X 10.6 or Above iOS 9.0 or higher
Features	Router app; MU-MIMO; Smart connect; Traffic Analyzer; Traditional QoS; Parental Control; Guest Network; VPN server; VPN client; OFDMA; Beamforming; IPTV support; Bandwidth Limiter; ICMP
Product Dimensions	192 x 126.3 x 47.5 mm (WxDxH) 7.56 x 4.97 x 1.87 inch
Product Weight	298g / 0.66lb
Box Dimensions	25.4 x 25.5 x 5.5cm
Box Weight	(EU) 685g (UK) 743g
Package Content	· RT-AX52 · RJ45 Ethernet Cable · Power Adapter · Quick Start Guide · Warranty Card
Operation mode	· Wireless router mode · Access point mode · Repeater mode
Note	*Content may vary in different regions and packages.

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