

Huawei-WiFi-AX3-Pro-Quad-core Datasheet

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Overview

Huawei WiFi AX3(Quad-core) is a latest quad-core Wi-Fi 6+ revolution WiFi router. With Huawei's revolutionary Gigahome processor and Wi-Fi 6 chipset, the router supports Huawei's multi-chip collaborative technology that ensures Wi-Fi 6+ speeds, effectively doubling the bandwidth and offering better wall penetration when used in conjunction with Wi-Fi 6-compliant devices from Huawei.

The world's first to support the Wi-Fi 6+ standard.

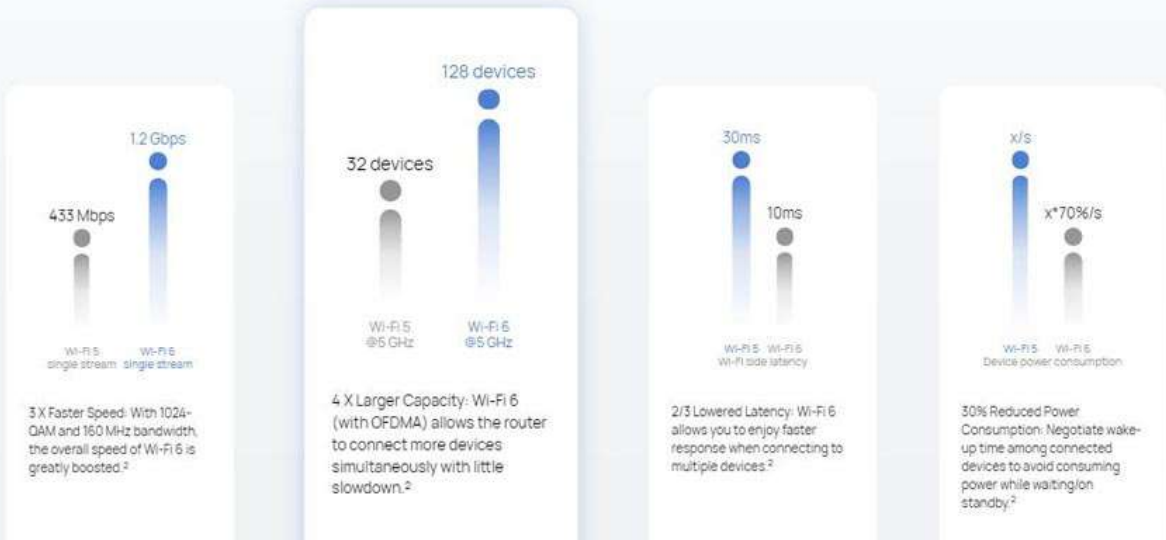


HUAWEI WiFi AX3

Quad-core Wi-Fi 6+ Revolution
3000 Mbps¹ | Huawei Share² | Huawei HomeSec™

Usher in the Era of Wi-Fi 6

Wi-Fi 5 is the standard used by most devices today, while Wi-Fi 6 (802.11ax) is the new standard that is gradually coming into smart devices in recent years. Wi-Fi 6 has made several improvements over Wi-Fi 5 to cope with the increasing demand for faster and more efficient Wi-Fi.



Speed Up HUAWEI Wi-Fi 6-Enabled Phones with HUAWEI Wi-Fi 6+

AX3 and Wi-Fi 6-enabled HUAWEI phones are the perfect pair because both are equipped with HUAWEI's self-developed Wi-Fi chipset, which support 160 MHz frequency bandwidth. This lays the foundation for Chipset Synergy, bringing out optimal speed and efficiency.

Short Distance Mobile Phone Throughput Test (unit: Gbps)

HUAWEI AX3000M Router

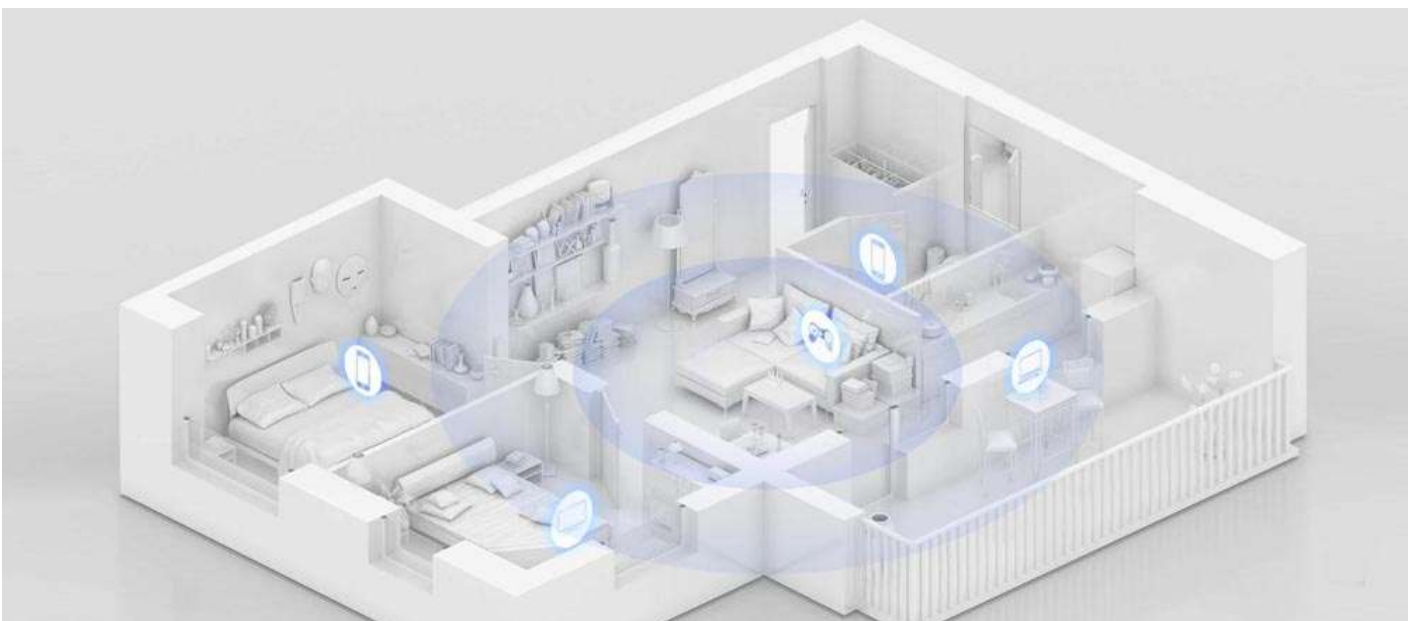
1.5

Other AX1800M Router

0.9

Signal Can Go Through One More Wall with HUAWEI Wi-Fi 6+³

HUAWEI Wi-Fi 6-enabled phones are able to send 6dB stronger signals back to AX3 in stable, 2 MHz narrow bandwidth using Dynamic Narrow Bandwidth technology, which is based on Chipset Synergy. The wireless signals can penetrate solid objects like walls and floors easily. This means that the phone will have good reception of the Wi-Fi signal, even when connecting from upstairs or somewhere far from the router.



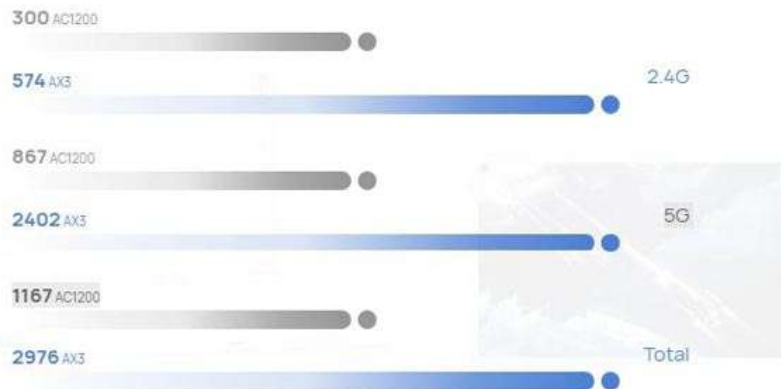
Fast Speed Beyond Your Imagination

You will be impressed with the blazing fast speed delivered by AX3. Thanks to 1024-QAM and 160 MHz frequency bandwidth, its theoretical speed can reach up to 3000 Mbps (574 Mbps on a 2.4 GHz band and 2401 Mbps on a 5 GHz band). At such speed, what used to be taken for granted, like buffering and lagging, will be a thing of the past. Enjoy smooth streaming and gaming like never before.



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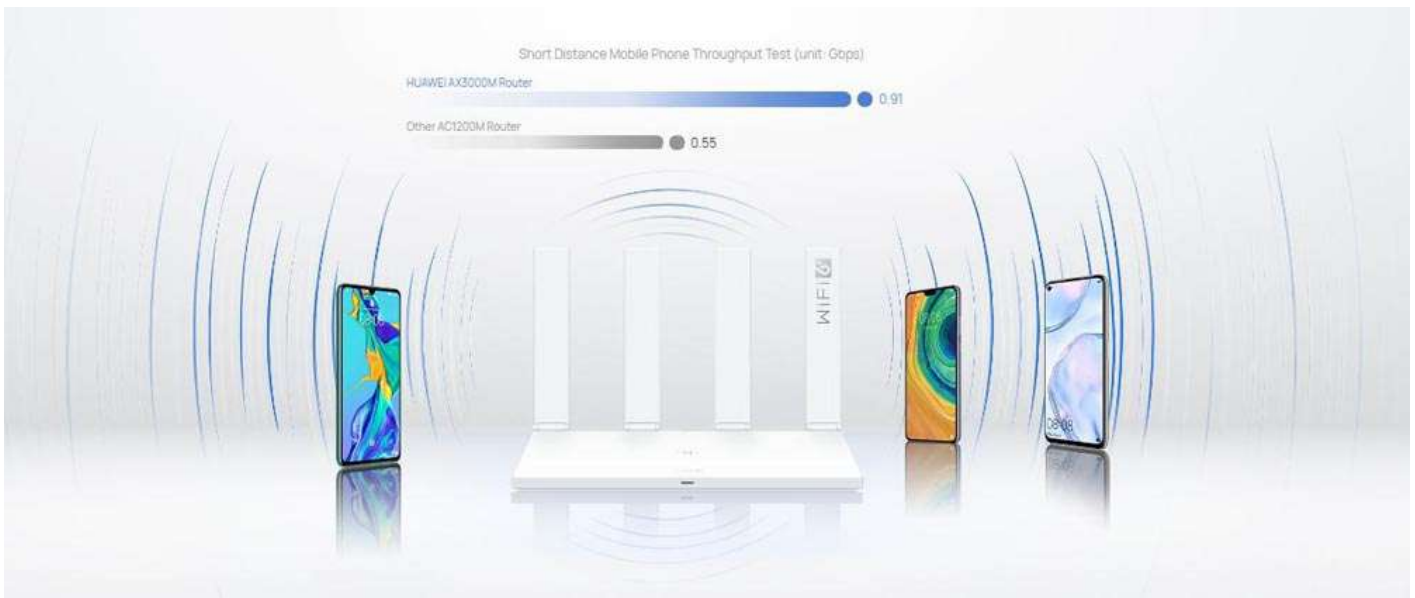
Multiple Connections. Smooth Connections.

Unlike traditional routers, you can connect a multitude of devices to AX3 with greater efficiency. Supporting OFDMA multi-user technology, it is capable to send data to multiple devices simultaneously (max. 4 devices on 2.4 GHz, max. 16 devices on 5 GHz). And, it is capable of connecting up to 128 devices overall on dual bands.⁴ No matter how crowded this space, it will serve different users and devices promptly.



Larger Bandwidth with 160 MHz

As AX3 supports 160 MHz, when connecting AX3 to devices supporting 160 MHz, like top-of-the-line HUAWEI Wi-Fi 5-enabled smart phones, tablets and laptops, the internet speed would increase by 60% and more.⁵ This offers you an unprecedented, lag-free experience on mobile devices.



Stronger Signal with Dual Power Amplifiers

Easily handle Wi-Fi dead zones, boost weak connections, and enhance wireless coverage with 2 independent power amplifiers. Applies to both Wi-Fi 5 and Wi-Fi 6 devices.



Stable and Consistent Speed with HarmonyOS

AX3 is designed to perform reliably over the years with HUAWEI HarmonyOS. It takes a leap forward in tackling stability issues with systematic optimization from many aspects, including application layer, kernel layer and driver layer. It has also undergone rigorous aging tests before dispatch to ensure its stable and consistent performance.



Related 5G Routers

Model	Speed	Wi-Fi 6	Support 5G Bands	4G LTE
Huawei 5G CPE Pro H112-372	5G: 1.65Gbps/ 250Mbps 4G: 1.6Gbps/ 150Mbps	N	5G: n41/ n77/ n78/ n79	LTE: B1/3/5/7/8/18/19/20/28/32/34/38/39/40/41/42/43
Huawei 5G CPE Pro H112-370	5G: 1.65Gbps/ 250Mbps 4G: 1.6Gbps/ 150Mbps	Y	5G: n78	LTE: B1/3/5/7/8/18/19/20/28/32/34/38/39/40/41/42/43
Huawei 5G CPE Pro 2 H122-373	5G: 3.6Gbps/ 250Mbps 4G: 1.6Gbps/ 150Mbps	Y	5G: n1/ 3/ 5/ 7/ 28/ 38/ 40(2300-2390MHz)/ 41/ 77/ 78/ 79/ 80/ 84	LTE: B1/3/5/7/8/20/28/32/34/38/39/40(2300-2390 MHz)/41/42/43
Huawei 5G CPE Win H312-371	5G: 1.65Gbps/ 250Mbps 4G: 1.6Gbps/ 150Mbps	N	5G: n41/ n77/ n78/ n79	LTE: B1/3/5/7/8/18/19/20/28/32/34/38/39/40/41/42/43
Huawei 5G Mobile WiFi E6878-870	5G: 1.65Gbps/ 250Mbps 4G: 300Mbps/ 75Mbps	N	5G: n41/ n77/ n78/ n79	LTE FDD: B1, B3, B5, B7, B8, B20, B28, B32 LTE TDD: B34, B38, B39, B40, B41, B42
Huawei 5G Mobile WiFi Pro E6878-370	5G: 1.65Gbps/ 250Mbps 4G: 300Mbps/ 75Mbps	N	5G: n41/ n77/ n78/ n79	LTE FDD: B1, B3, B5, B7, B8, B20, B28, B32 LTE TDD: B34, B38, B39, B40, B41, B42
ZTE 5G CPE Indoor WiFi MC801	5G: 2.8Gbps	Y	5G: n41/ n77/ n78/ n79	4G LTE™: Global FDD and TDD, 600MHz~3.8GHz, CAT20
ZTE 5G CPE MC801A WiFi 6 Router	5G: 4.6Gbps	Y	5G: n41/78/79/1/28 4G: B1/3/5/8/28/34/39/40	4G LTE™: Global FDD and TDD, 600MHz~3.8GHz, CAT22
OPPO 5G CPE T1	5G: NSA 4.1Gbps/ 660Mbps SA 2.1Gbps/ 900Mbps 4G: 2.0Gbps/ 210Mbps	Y	5G: n1/ n41/ n78/ n79	FDD-LTE: B1/3/5/8/28 TDD-LTE: B34/38/39/40/41

Learn About WiFi 6

Configuration

Learn to set the Huawei AX3 Pro Router.

Get More Information

Do you have any question about the Huawei WiFi AX3 Pro (Quad-core) WiFi 6 Router?

Contact us now via [Live Chat](#) or sales@router-switch.com.

Specification

Huawei WiFi AX3 Pro (Quad-core) WiFi 6 Router Specification	
Processors	Gigahome Quad-core 1.4 GHz CPU
Language Support	Only Chinese
Button	- H button for one-key pairing and WPS compatible - Independent Reset
Interface	- WAN: One 10 / 100 / 1000 Mbps Ethernet port - LAN: Three 10 / 100 / 1000 Mbps Ethernet ports -LED Indicator: 1 state indicator light
Security	TrustZone Security, Anti-brute force algorithms, WPA3, Firewall, DMZ, PAP / CHAP, DMZ / DoS attack protection
Wireless	- 802.11ax/ac/n/a 2 x 2 & 802.11ax/n/b/g 2 x 2, MU-MIMO - Wireless speed is up to 2976 Mbps (2.4 GHz: 574 Mbps; 5 GHz: 2402 Mbps)
Software Functions	- APP: HUAWEI AI Life App - Huawei Share (Tap to Connect), Huawei HiLink & 802.11v protocol, IPv4 / IPv6, PPPoE / DHCP / static IP address / Bridge WAN connection methods, Wi-Fi timer, Guest Wi-Fi, Device speed limiting, MAC address filter, Parental control, VPN pass through, DMZ / virtual server
Power Supply	12 V DC, 2 A; Consumption < 24 W
Dimensions	225 mm x 159.2 mm x 39.7 mm

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