

USB-AX56

AX1800 Dual Band USB WiFi 6 Adapter

- **Instant upgrade to WiFi 6** – Boost your PC to 802.11ax standard via USB with speeds up to 1800 Mbps.
- **Ultra-high efficiency** – Enable faster transmission in high density environments with OFDMA, MU-MIMO and BSS Coloring.
- **Amplified signal** – External antenna and cradle ensures powerful WiFi signal.
- **Supports WPA3 security** – For enhanced WiFi security and more robust authentication.
- **Plug-and-play** – Easy to use with wide operating system support.



Instant Upgrade to WiFi 6

The WiFi 6 standard delivers efficient connectivity that meets the demands of the growing number of connected personal and IoT devices. The USB-AX56 adapter gives your laptop or PC an instant plug-and-play upgrade to WiFi 6.



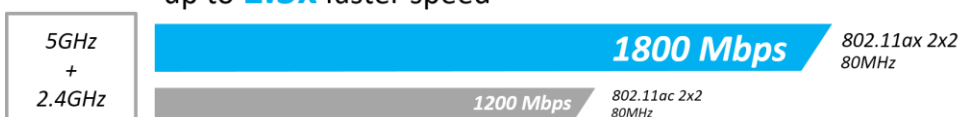
Ultrafast WiFi Speed

USB-AX56 is a 2x2 dual-band WiFi 6 client that lets you take full advantage of WiFi 6 routers. It offers a total wireless bandwidth of up to 1800 Mbps – 574 Mbps on the 2.4 GHz band and 1201 Mbps on the 5 GHz band. That makes USB-AX56 up to 1.5X faster than a WiFi 5 client!

*Comparing the speed of 2x2 802.11ax on 5 GHz / 80 MHz channels with 1024QAM modulation to speed of 2x2 802.11ac on 5 GHz / 80 MHz channels with 256QAM modulation.



up to **1.5x** faster speed



The Benefits of WiFi 6

4X More Efficient Connections

OFDMA and MU-MIMO greatly increase connection efficiency, giving improved network capacity.*

*A WiFi 6-compatible router is required to enjoy all the benefits of the WiFi 6 standard.

80% Longer Range

OFDMA divides frequency channels into smaller sub-channels, which means they can travel further.**

**Refers to uplink OFDMA performance.

7X Better Power Savings

Target Wake Time allows devices to sleep when they are not active, reducing power consumption.***

***Compared to WiFi 5. Power savings vary according to the scenario.



Beamforming Boosts WiFi Range

With beamforming, your router can locate USB-AX56 in order to direct a stronger signal in the direction of your device. Beamforming improves signal strength and hence gives the device better range.



Enhanced WPA3 Network Security

The successor to the well-established WPA2 protocol, WPA3 adds new features that simplify WiFi security, while making your connections much more secure.



Plug-And-Play

USB-AX56 can be plugged easily into laptops or PCs with a USB port to give it full WiFi 6 speed capabilities. USB-AX56 supports a wide variety of operating systems, making it the perfect choice for any laptop or PC.



What's Inside the Box

- USB-AX56 Wireless USB Adapter
- Extension USB Cradle
- Warranty card
- Quick start guide

Dimension

- USB-AX56
- USB-AX56: 115 x 30 x 17.5 mm
 - Weight: 40.3g/ 1.42 oz
- Color Box
- Color Box: 145*136.2*62.5mm
 - Weight: 285g



Scan for full features and specs

Specifications

Model Name	USB-AX56
Chipset Solution	RTL8832AU
Network Standard	IEEE 802.11 a/b/g/n/ac/ax
Interface	1 x USB 3.2 Gen1
Antenna	2 x External antenna
Operation Frequency	Dual band 2.4GHz & 5GHz
1024-QAM Modulation	Supported
Data Rate	802.11a: up to 54 Mbps 802.11b: up to 11 Mbps 802.11g: up to 54 Mbps 802.11n: up to 400Mbps 802.11ac: up to 867 Mbps 802.11ax (2.4GHz): up to 574 Mbps 802.11ax (5GHz): up to 1201 Mbps
Transmit Beamforming	Supported
Encryption	64/128 bit WEP, WPA, TKIP, AES, WPA/WPA2/WPA3-Personal
OS Support	Windows® 10
Dimensions	115 x 30 x 17.5 mm/ 4.52 x 1.18 x 0.69 inch
Weight (device only)	40.3g/ 1.42 oz