

Model: WU6500

BE6500 High Gain USB 3.0 Wi-Fi 7 Adapter

-  Tri-Band Wi-Fi 7
2.8 Gbps + 2.8 Gbps + 688 Mbps Wi-Fi *
-  High Gain Antennas
-  Plug & Play

[Datasheet](#)



Blazing Fast 6452 Mbps

6 GHz 2882 Mbps

5 GHz 2882 Mbps

2.4 GHz 688 Mbps

Wi-Fi 7

Boosted Coverage
with High-Gain Antennas

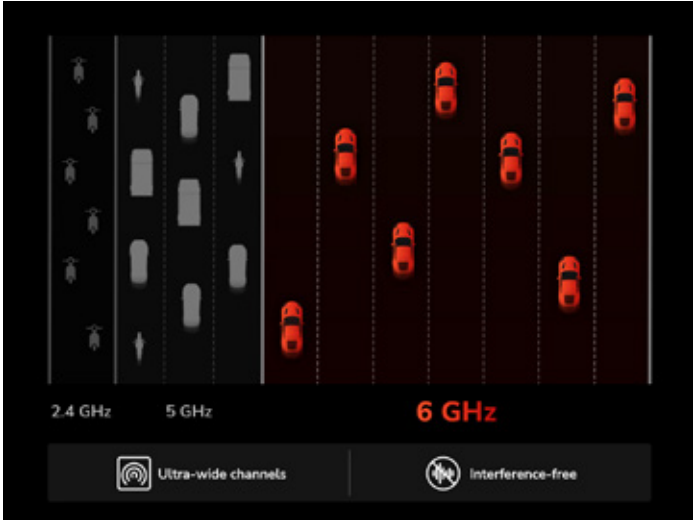
Strong Compatibility
Windows 10/11

USB 3.0
Ultra Fast Transfer Speeds

Plug and Play
Auto Installation



Unleash the Power of Tri-Band: Speed Without limits



The Express Way: 6 GHz Band - Your Dedicated Gaming Lane



High Gain Antennas: Total Signal Domination



Plug & Play: Instant Connectivity, Zero Hassle



Highlights

A high-gain Wi-Fi 7 USB adapter for equipping your PC with advanced tri-band Wi-Fi 7 connectivity. A USB 3.0 or higher port is required for full speed.

- Tri-Band Wi-Fi 7
- 2.8 Gbps + 2.8 Gbps + 688 Mbps Wi-Fi *
- USB 3.0 Lightning-Fast Data Transfer
- High Gain Antennas
- Plug-and-Play on Windows
- Driver free for Easy Installation

Package Content

- WU6500
- Installation Guide

Hardware Specs

Model Version	WU6500 1.0	
Wireless	6 GHz Wi-Fi Speed	2882 Mbps
	5 GHz Wi-Fi Speed	2882 Mbps
	2.4 GHz Wi-Fi Speed	688 Mbps
	6 GHz Wi-Fi Streams	2T2R (2×2 MIMO)
	5 GHz Wi-Fi Streams	2T2R (2×2 MIMO)
	2.4 GHz Wi-Fi Streams	2T2R (2×2 MIMO)
	Wi-Fi Antennas	2
	5 GHz Antenna Gain Max	3 dBi
	2.4 GHz Antenna Gain Max	3 dBi
Interfaces	LED	System
Reliability	Environment	• Operating Temperature: 0 °C ~ 40 °C (32 °F ~104 °F) • Storage Temperature: -40 °C ~ 70 °C (-40 °F ~ 158 °F) • Humidity: 10% ~ 90% non-condensing • Storage Humidity: 5% ~ 95% non-condensing
Requirements	Hardware Requirement	Requires a USB 3.0 or higher standard USB port for full speed
	Compatible OS	Windows 10/11 or later OS
	Driver Installation	Auto driver installation on Windows 10/11. The 6 GHz Wi-Fi band is only supported on Windows 10 version 22H2 and later.
Certifications	FCC, CE	
Mechanical	Dimension	29.9×13.2×88.8 mm
		1.18×0.52×3.5 inches
	Product Weight	25.2 g (0.89 oz.)

* Actual wireless data throughput will vary as a result of network conditions, client limitations, and environmental factors including building layout, obstacles, and client location.



Ordering Information	Retail Package Weight	80.0 g (2.82 oz.)
	Retail Package Dimension	90×25×150 mm
		3.54×0.98×5.91 inches
	Carton Net Weight	16.0 kg (35.27 lbs)
	Carton Gross Weight	17.1 kg (37.7 lbs)
	Units per Carton	200
	Carton Dimension	53.6×47.4×32.2 cm
		21.1×18.66×12.68 inches

Software Specs

Model Version	WU6500 1.0	
Wireless	Wi-Fi Standards	Wi-Fi 7
	Max Wi-Fi Modulation	4K-QAM
	Wi-Fi Efficiency	• MRU
		• Puncturing
		• OFDMA
		• MU-MIMO
		• BSS Color
	Max Wi-Fi Channel Width	160 MHz
	Wi-Fi Security	WPA/WPA2/WPA3