Model: WU6500 1.0

BE6500 High-Gain USB 3.0 Wi-Fi 7 Adapter



Datasheet

Highlights

A high-gain Wi-Fi adapter that upgrades your PC with advanced tri-band Wi-Fi 7 connectivity. The 6 GHz band delivers impressively low-latency performance, making it ideal for online gaming.

- 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

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

Package Content

- WU6500
- Installation Guide

Hardware Specs

Model Version	WU6500 1.0	
Wireless	MLO Speeds	5765 Mbps (6 GHz + 5 GHz) 3570 Mbps (6 GHz + 2.4 GHz) 3570 Mbps (5 GHz + 2.4 GHz)
	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	2 Spatial Streams
	5 GHz Wi-Fi Streams	2 Spatial Streams
	2.4 GHz Wi-Fi Streams	2 Spatial Streams
	Wi-Fi Antennas	2
Interfaces	Upstream Connection	USB-A 3.0
Buttons and LEDs	LED	System

Reliability	Environment	• Operating Temperature: 0 ℃ ~ 40 ℃ (32 ℉ ~104 ℉) • Storage Temperature: -40 ℃ ~ 70 ℃ (-40 ℉ ~ 158 ℉) • 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.)

Hardware Specs

Package Content	• WU6500 • Installation Guide	
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
	Wi-Fi Channel Width	Auto/20/40/80/160 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
Drivers	Automatic Installation for Windows 10/11.	