

Product Highlights

- Wi-Fi 7 Speeds up to 2882 Mbps (6 GHz) + 2882 Mbps (5 GHz) + 688 Mbps (2.4 GHz)
- Support Tri-Band Wireless, 2.4 GHz, 5 GHz and 6 GHz bands
- Support USB 3.0, Up to 10x faster transfer speeds than USB 2.0
- Support Multi-Link Operation (MLO)
- Supports WPA3 encryption
- Foldable Antenna



AE65U

BE6500 Wi-Fi Tri-Band USB Adapter with Foldable Antenna

Features

- Fast Wi-Fi 7 Speeds up to 2882 Mbps (6 GHz) + 2882 Mbps (5 GHz) + 688 Mbps (2.4 GHz).
- Support USB 3.0, Up to 10x faster transfer speeds than USB 2.0.
- Support Tri-Band Wireless, 2.4 GHz, 5 GHz and 6 GHz bands for flexible connectivity.
- Support Multi-Link Operation (MLO), Enable devices to use multi-link seamless dynamic switching to achieve load balancing and lower latency.
- Supports WPA3 encryption, the latest Wi-Fi security for greater protection.
- Lower Latency Gameplay, OFDMA and MU-MIMO ensure the most efficient Wi-Fi connection for your PC.
- Foldable Antenna – Adjust the foldable antenna to improve user experience and performance in different environments.
- Easy Installation – There's no need for a physical CD driver with AE65U built-in driver. Enjoy a simple and user-friendly installation.

The AE65U Wi-Fi 7 USB adapter, which delivers a great Wi-Fi performance by adding Wi-Fi 7 technologies to your computer. Upgrade your desktop PC in seconds to Wi-Fi 7 capabilities and open up a new world of lag-free 4K streaming, low-latency gaming and breakneck download speeds.

The multi-angle foldable high-gain antenna combine with Beamforming to concentrate Wi-Fi signals towards your router for better reception and reliable connections from far away.

Experience blazing-fast data transfers of up to 6.5Gbps with USB 3.0 — the latest USB connectivity standard. USB 3.0 transfers data up to 10x faster than USB 2.0 and is also backwards compatible with USB 2.0. Combined with 802.11be Wi-Fi, USB 3.0 makes AE65U ideal for HD streaming, online gaming and large file downloads.

Technical Specification	
General	
Major Chipset	REALTEK RTL8912AU-VF1
Standard	802.11a/b/g/n/ax/be
Wi-Fi Rates	6 GHz: 11be: Up to 2882 Mbps(dynamic) 11ax: Up to 2402 Mbps(dynamic) 5 GHz: 11be: Up to 2882 Mbps(dynamic) 11ax: Up to 2402 Mbps(dynamic) 11ac: Up to 1732 Mbps(dynamic) 11n: Up to 300 Mbps(dynamic) 11a: Up to 54 Mbps(dynamic) 2.4 GHz: 11be: Up to 688 Mbps(dynamic) 11ax: Up to 574 Mbps(dynamic) 11n: Up to 300 Mbps(dynamic) 11g: Up to 54 Mbps(dynamic) 11b: Up to 11 Mbps(dynamic)
Interface	USB3.0
Antenna	High-Gain Foldable Tri-Band Antenna
Bandwidth	20MHz/40MHz/80MHz/160MHz
Modulation Method	OFDM with BPSK, QPSK,16QAM,64QAM, 256QAM and 1024QAM modulation.
Operation Mode	Infrastructure mode
Operation Range	Up to 150 meters in open space
OS Support	Win10 & Win11
Dimensions	Device: 111.6 x 35.3 x 14.9mm USB 3.0 Cable:1m Cradle: 90.7 x 68.8 x 31.6mm
Weight	Device: 43.5g Cradle:124g
Security	WEP, WPA/WPA2/WPA3(Personal/Enterprise), WPA-PSK/WPA2-PSK
Operating Temperature	0 to 40 °C (32 to 104 °F)
Storage Temperature	-20 to 70 °C (-4 to 158 °F)
Humidity	10% to 90% (non-condensing)
Certification	CE
Package Contents	BE6500 Wi-Fi Tri-Band USB Adapter with Foldable Antenna, Quick Installation Guide, Warranty Card, USB 3.0 Cradle