

BE6500 Wi-Fi 7 USB Adapter

AE65U

Key Features

- BE6500 speeds up to 6.5 Gbps (6 GHz 2882 Mbps, 5 GHz 2882 Mbps, and 2.4 GHz 688 Mbps)¹
- Tri-band (2.4 GHz/5 GHz/6 GHz) utilizing ultra-wide 320 MHz channels ensures smoother and efficient data transmission²
- 4096-QAM significantly increases data throughput and capacity to more than double that of Wi-Fi 6
- Multi-Link Operation (MLO) technology support for improved latency and network reliability, and reduced interference
- Provides the latest WPA3 encryption for network security
- Backwards compatibility to work with your existing wireless devices
- Auto installation driver for Windows 11/10 operating systems



User Benefits



Ultra-Fast Connections

The latest Wi-Fi 7 technology enables real-time applications with high bandwidth and data rates



Tri-Band Connectivity

2.4GHz, 5GHz, and 6 GHz Wi-Fi bands for flexible connectivity and coverage and faster speeds



Multi-Link Operation MLO

Multi-Link Operation (MLO) significantly enhances wireless resiliency, throughput, and latency reduction



WPA3™ Encryption

Offers the latest Wi-Fi security for more protection and safer connections



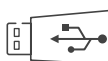
Backwards Compatible

Fully compatible with any Wi-Fi routers and gateways



Plug & Play

Adapter comes with pre-loaded drivers for quick and simple installation



Fast USB 3.0

Up to 10x the speed of USB 2.0 for improved data transfer efficiency



Foldable Antenna

Wide-angle adjustable antenna for optimal signal reception and a cradle for flexible installation to your computer

Technical Specifications

General	
Wireless Encryption	WPA3 WPA2
Standards	IEEE 802.11be/ax (6 GHz) IEEE 802.11be/ax/ac/n/a (5 GHz) IEEE 802.11be/ax/n/g/b (2.4 GHz)
Antenna Type	2 x External antennas
Supported System	
Operating System	Windows 11 Windows 10
Interface ²	USB3.0 port
Physical	
Dimensions	86.57 x 36.2 x 17.08 mm (3.41 x 1.43 x 0.67 in)
Weight	21 g (0.74 oz)
Power	<ul style="list-style-type: none">Power consumption:<ul style="list-style-type: none">Standby mode: 125 mAOperating mode: 490 mAOperating voltage: 5V DC+/-10%
Operating Temperature	0 to 40 °C (32 to 104 °F)
Storage Temperature	-20 to 75 °C (-4 to 167° F)
Operating Humidity	10% to 90% non-condensing
Storage Humidity	5% to 95% non-condensing
Certifications	FCC Class B CE IC
Ordering Information	
AE65U	BE6500 Wi-Fi 7 USB Adapter
Package Contents	BE6500 Wi-Fi 7 USB Adapter Adapter Cradle Quick Installation Guide

1. Maximum wireless signal rate derived from IEEE standard 802.11be/ax/ac/n/g/b/a specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors may adversely affect wireless signal range.

2. Using a USB 2.0 or 1.1 port will affect device performance. USB 3.0 port or higher recommended.