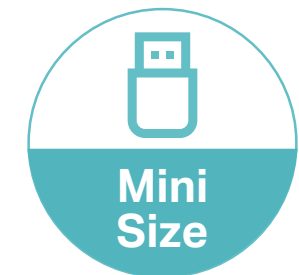




Wi-Fi 7



BE6500

Tri-Band Wi-Fi 7 Wireless USB Adapter



Archer TBE6500U

6.5 Gbps Tri-Band Wi-Fi 7*
Ultimate performance with next-gen 6 GHz speeds

Wi-Fi 7 Multi-Link Operation**
Low-latency, lag-free gaming and streaming

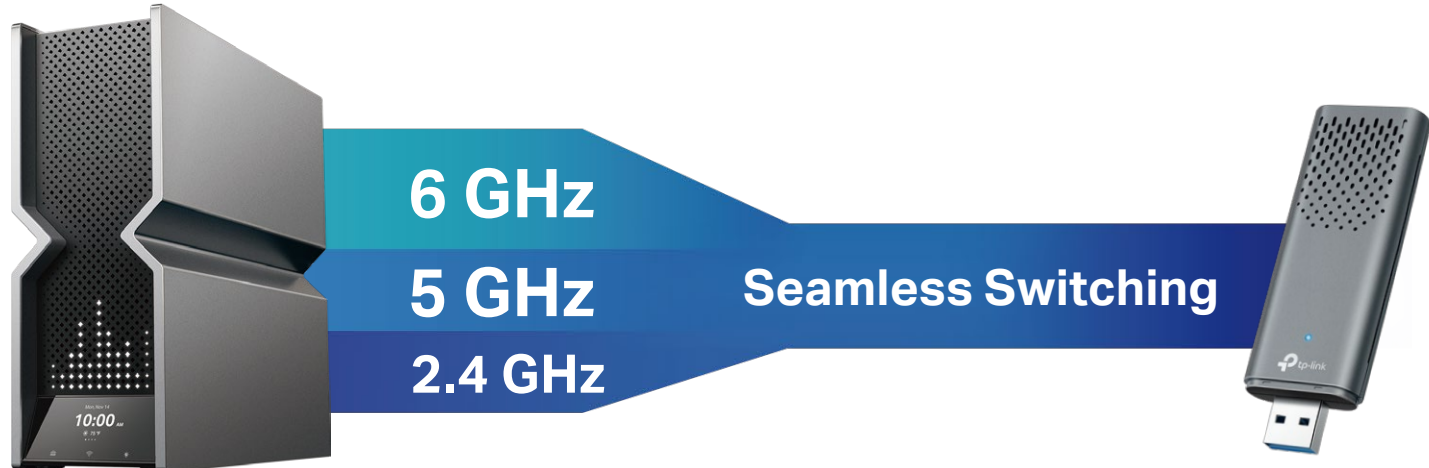
Advanced WPA3 Security†
Protect your PC with cutting-edge encryption

Superspeed USB 3.0
Blazing-fast transfers, 10x faster than USB 2.0.‡

Highlights

Seamless Bands Switch for Low Latency

Experience seamless connectivity and lower latency with MLO technology, ensuring optimal data transmission without user intervention.**

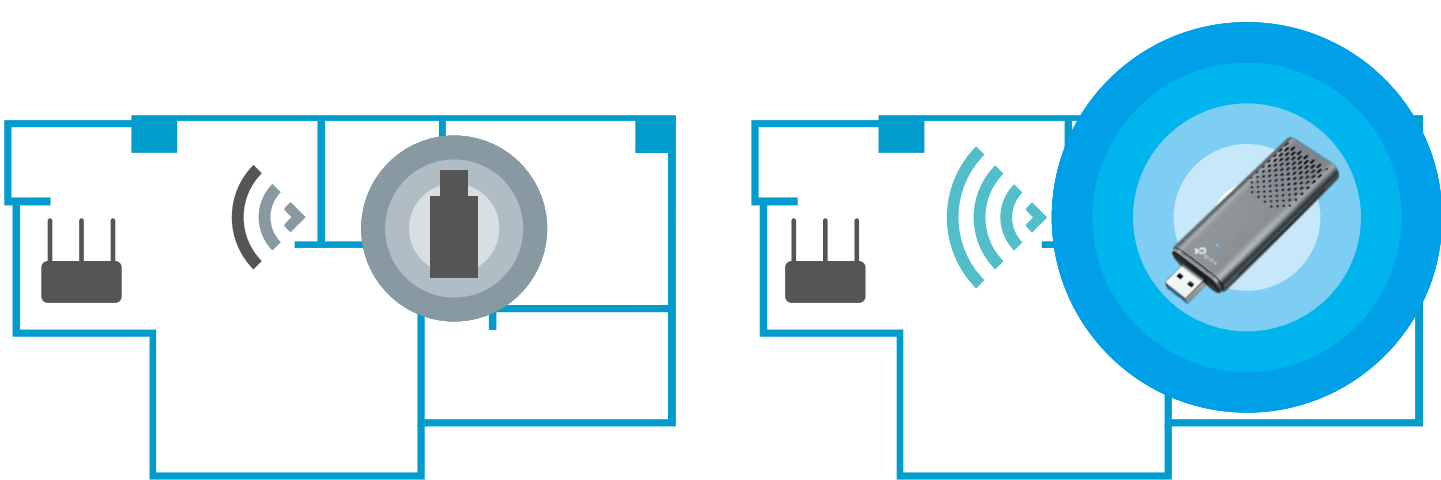


Wi-Fi 7 Router

Archer TBE6500U

Boost Your Wi-Fi Reception Range

Built-in high-performance antennas and beamforming focus Wi-Fi signals directly toward your router, delivering stronger reception and stable connections.



Regular Adapter

Archer TBE6500U

Features



Speed

- **Unparalleled Tri-Band Speed** – Cutting-edge Wi-Fi 7 - Congestion-free speeds up to 2882 Mbps (6 GHz) + 2882 Mbps (5 GHz) + 688 Mbps (2.4 GHz) are ideal for instant multi-stream media playback.*
- **Ultra-High Efficiency** – The revolutionary combo of OFDMA and MU-MIMO ensures the most efficient Wi-Fi connection for your PC.**
- **Super Speed USB 3.0** – Experience blazing-fast data transfers with USB 3.0 —the latest USB standard which is 10× faster than USB 2.0.‡



Design

- **Sci-fi Design, Exquisite Details** – The ergonomic design allows you to easily take it and use it anywhere. The futuristic cooling hole design brings you the best performance.



Reliability

- **Tri-Band Wireless** – 2.4 GHz, 5 GHz and 6 GHz bands for flexible connectivity.
- **Backwards Compatibility** – Supports routers utilizing 802.11 a/b/g/n/ac/ax/be Wi-Fi standards



Ease of Use

- **Easy Installation** – There’s no need for a physical CD driver with Archer TBE6500U's built-in driver. Enjoy a simple and user-friendly installation.



Security

- **Highly Secure WPA3** – The latest encryption technology eliminates brute-force attacks and provides better security.Δ

Specifications

WLAN Features

- Wireless Standards: IEEE 802.11a/b/g/n/ac/ax/be
- Signal Rate:
 - 6 GHz:
 - 11be: Up to 2882 Mbps(dynamic)
 - 11ax: Up to 2402Mbps(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)
- Wireless Modes: Client Mode, Hotspot Mode
- Wireless Security:
 - WPA/WPA2/WPA3[†], WPA-PSK/WPA2-PSK
- Transmit Power:
 - 6GHz: 19dbm (FCC) (EIRP)
 - 5 GHz: 20dBm(FCC) (EIRP)
 - 2.4 GHz : 19dBm(FCC) (EIRP)

Specifications

Hardware

- Dimensions: 90.2×29.2×12.9 mm (3.55×1.15× 0.51 in)
- Antennas: Internal Antennas
- LED: Blue LED for Status Indication × 1
- Interface: USB 3.0 Type-A × 1

Others

- Package Contents
BE6500 Tri-Band Wi-Fi 7 Wireless USB Adapter Archer TBE6500U
Quick Installation Guide
- Certification: FCC, CE, RoHS
- System Requirements: Windows 10/11[§]
- Environment
Operating Temperature: 0°C~40°C (32°F ~104°F)
Operating Humidity: 10%~90% non-condensing
Storage Humidity: 5%~90% non-condensing



For more information, please visit
https://www.tp-link.com/products/details/?model=Archer+TBE6500U_V1
or scan the QR code left

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*Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage, and number of connected devices are not guaranteed and will vary as a result of network conditions, AP limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and AP location.
**Use of Wi-Fi 7(802.11be), Wi-Fi 6(802.11ax), Wi-Fi 6E(802.11ax), and other features including MLO, 160 MHz Bandwidth, 4K-QAM, Multi-RUs, OFDMA, MU-MIMO, and BSS Color requires the AP and PC OS also to support the corresponding features. The MLO is still being developed on some Wi-Fi 7 models and will be supported in subsequent driver updates.
†Use of WPA3 requires APs also to support the corresponding feature.
‡The number is based on testing conducted by the USB-IF and your computers are required to also support USB 3.0.
ΔTo ensure compatibility, you may need to update the adapter's drivers after an OS update, you can find our latest drivers in the download center at [tp-link.com/en/download-center](https://www.tp-link.com/en/download-center).
§Archer TBE6500U supports 6GHz on Windows 10 22H2 and later versions, though functionality and performance may be limited.
Actual network speed may be limited by the rate of the product's USB port, PCI Express Interface, Ethernet WAN or LAN port, the rate supported by the network cable, internet service provider factors, and other environmental conditions.
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