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# Archer TBE400U 1.0\_Datasheet

## Overview

**BE6500 Tri-Band Wi-Fi 7 Mini Wireless USB Adapter**



## Highlights

### 6.5 Gbps Tri-Band

#### Wi-Fi 7<sup>†</sup>



Ultra-fast performance for next-gen connectivity

### Wi-Fi 7 Multi-Link

#### Operation<sup>‡</sup>



Low-latency, lag-free gaming and streaming

### Ultimate Flexibility



Switch effortlessly between Type-C & Type-A

### Superspeed USB 3.0

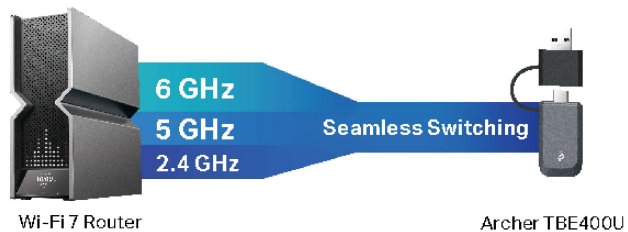


Blazing-fast transfers, 10× faster than USB 2.0.<sup>△</sup>

## Mini Size, Big Performance

### Seamless Band Switching for Lower Latency

Experience seamless connectivity and lower latency with MLO technology, ensuring optimal data transmission without user intervention.<sup>‡</sup>



### Ultimate Flexibility Tailored to Your Need

Archer TBE400U effortlessly switches between Type-C and Type-A so you can enjoy seamless connectivity and the ultimate flexibility without interface constraints



### Seamless Band Switching for Lower Latency

Experience seamless connectivity and lower latency with MLO technology, ensuring optimal data transmission without user intervention.<sup>‡</sup>

### Improved Security with WPA3

The latest Wi-Fi security protocol provides enhanced protection in personal password safety.<sup>§</sup>



## Specification

<b>WLAN Features</b>	
<b>Wireless Standards</b>	IEEE 802.11a/b/g/n/ac/ax/be
<b>Signal Rate</b>	<p><b>6GHz:</b> 11be: Up to 2882 Mbps(dynamic) 11ax: Up to 2402Mbps(dynamic)</p> <p><b>5 GHz:</b> 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)</p> <p><b>2.4 GHz:</b> 11be: Up to 688 Mbps(dynamic) 11ax: Up to 574 Mbps(dynamic) 11n: Up to 400 Mbps(dynamic) 11g: Up to 54 Mbps(dynamic) 11b: Up to 11 Mbps(dynamic)</p>
<b>Reception Sensitivity</b>	<p><b>6 GHz:</b> 11be EHT 20M MCS0: -91dBm 11be EHT 80M MCS13: -51dBm 11be EHT 160M MCS13: -49dBm</p> <p><b>5 GHz:</b> 11be EHT 20M MCS0: -92dBm 11be EHT 80M MCS13: -52dBm 11be EHT 160M MCS13: -50dBm</p> <p><b>2.4 GHz:</b> 11be EHT20M MSC0: -92dBm 11be EHT40M MSC13: -55dBm</p>
<b>Transmit Power</b>	<p><b>6GHz:</b> 12dbm (FCC) (EIRP)/ 14dbm (CE) (EIRP)</p> <p><b>5 GHz:</b> 13dBm(FCC) (EIRP) /13dBm(CE) (EIRP)</p> <p><b>2.4 GHz:</b> 13dBm(FCC) (EIRP)/ 13dBm(CE) (EIRP)</p>
<b>Wireless Modes</b>	Infrastructure mode
<b>Wireless Security</b>	WPA/WPA2/WPA3 <sup>S</sup> , WPA-PSK/WPA2-PSK

<b>Hardware</b>	
<b>Antennas</b>	Internal Antennas
<b>Dimensions</b>	2.83 × 0.94 × 0.42 in (72 × 24 × 10.8 mm)
<b>Others</b>	
<b>Package Contents</b>	BE6500 Tri-Band Wi-Fi 7 Mini Wireless USB Adapter Archer TBE400U Quick Installation Guide
<b>Certification</b>	FCC/CE/IC/NCC/JRF/VCCI/BSMI
<b>System Requirements</b>	Supported operating system: Windows 10/11 (64-bit)☆ Supported MLO operating system: Windows 11 (Version 24H2 and later)☆
<b>Environment</b>	
<b>Operating Temperature</b>	0°C~40°C (32°F~104°F)
<b>Operating Humidity</b>	10%~90% non-condensing
<b>Storage Humidity</b>	5%~90% non-condensing

## Disclaimers

†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.

☆To 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

<https://www.tp-link.com/en/support/download/>

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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