





Archer TBE400U 1.0_Datasheet

Overview

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



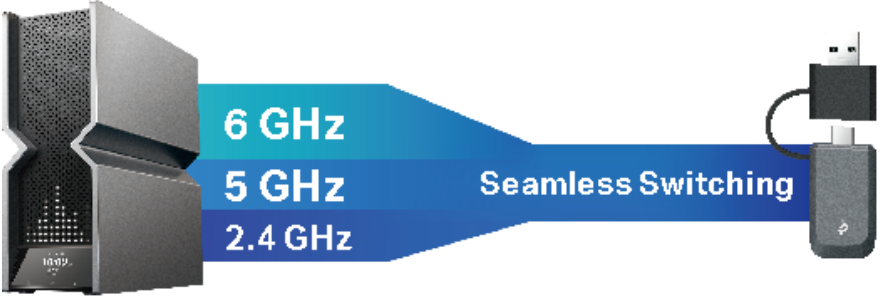
Highlights

	6.5 Gbps Tri-Band Wi-Fi 7[†] Ultra-fast performance for next-gen connectivity		Wi-Fi 7 Multi-Link Operation[†] 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. [△]

Mini Size, Big Performance

Seamless Band Switching for Lower Latency	
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Experience seamless connectivity and lower latency with MLO technology, ensuring optimal data transmission without user intervention.‡



Wi-Fi 7 Router

Archer TBE400U

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



Improved Security with WPA3

The latest Wi-Fi security protocol provides enhanced protection in personal password safety.[§]



Specification

WLAN Features																									
Wireless Standards	IEEE 802.11a/b/g/n/ac/ax/be																								
Signal Rate	<p>6GHz: 11be: Up to 2882 Mbps(dynamic) 11ax: Up to 2402Mbps(dynamic)</p> <p>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)</p> <p>2.4 GHz: 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>																								
Reception Sensitivity	<p>6 GHz:</p> <table border="0"> <tr> <td>11be</td> <td>EHT</td> <td>20M</td> <td>MCS0:</td> <td>-91dBm</td> </tr> <tr> <td>11be</td> <td>EHT</td> <td>80M</td> <td>MCS13:</td> <td>-51dBm</td> </tr> <tr> <td colspan="5">11be EHT 160M MCS13: -49dBm</td> </tr> </table> <p>5 GHz:</p> <table border="0"> <tr> <td>11be</td> <td>EHT</td> <td>20M</td> <td>MCS0:</td> <td>-92dBm</td> </tr> </table>					11be	EHT	20M	MCS0:	-91dBm	11be	EHT	80M	MCS13:	-51dBm	11be EHT 160M MCS13: -49dBm					11be	EHT	20M	MCS0:	-92dBm
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11be	EHT	20M	MCS0:	-92dBm																					

	11be EHT 80M MCS13: -52dBm 11be EHT 160M MCS13: -50dBm 2.4 GHz: 11be EHT20M MSC0: -92dBm 11be EHT40M MSC13: -55dBm
Transmit Power	6GHz: 12dbm (FCC) (EIRP)/ 14dbm (CE) (EIRP) 5 GHz: 13dBm(FCC) (EIRP) /13dBm(CE) (EIRP) 2.4 GHz: 13dBm(FCC) (EIRP)/ 13dBm(CE) (EIRP)
Wireless Modes	Infrastructure mode
Wireless Security	WPA/WPA2/WPA3 ^s , WPA-PSK/WPA2-PSK
Hardware	
Antennas	Internal Antennas
Dimensions	2.83 × 0.94 × 0.42 in (72 × 24 × 10.8 mm)
Others	
Package Contents	BE6500 Tri-Band Wi-Fi 7 Mini Wireless USB Adapter Archer TBE400U Quick Installation Guide
Certification	FCC/CE/IC/NCC/JRF/VCCI/BSMI
System Requirements	Supported operating system: Windows 10/11 (64-bit)☆ Supported MLO operating system: Windows 11 (Version 24H2 and later)☆
Environment	
Operating Temperature	0°C~40°C (32°F~104°F)
Operating Humidity	10%~90% non-condensing
Storage Humidity	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.