

Archer TX50U 1.0_Datasheet

Overview

AX3000 Dual Band Wi-Fi 6 Wireless USB Adapter



Highlights



Ultra-Fast Wi-Fi 6 Speed
2402 Mbps + 574 Mbps†



CD-Free Installation
Pre-Loaded Internal Driver



Low-Latency Gaming
OFDMA and MU-MIMO Supported‡

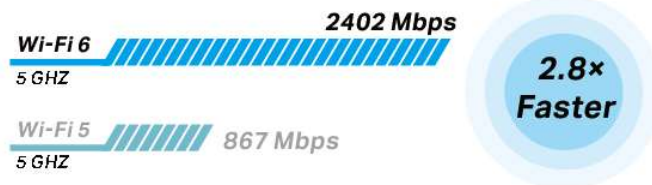


Superspeed USB 3.0
Blazing-fast data transfers

Mini Size, Big Performance

Arm Your PC with Wi-Fi 6 Technology

Archer TX50U arms your PC with Wi-Fi 6 to ensure powerful, continuous signal reception, unlocking your Wi-Fi 6 router's full potential.†



Boosted Throughput with MU-MIMO

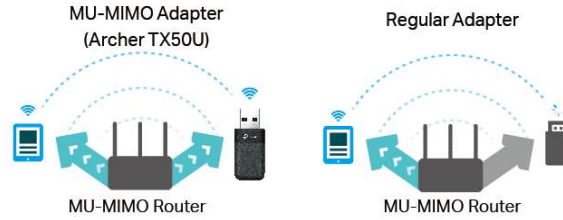
Works with MU-MIMO routers, which provide simultaneous data streams, boosting throughput and efficiency.‡

Arm Your PC with Wi-Fi 6 Technology

Archer TX50U arms your PC with Wi-Fi 6 to ensure powerful, continuous signal reception, unlocking your Wi-Fi 6 router's full potential.[†]

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Improved Security with WPA3

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



Superspeed USB 3.0

Experience blazing-fast data transfers with USB 3.0—the latest USB standard which is 10× faster than USB 2.0.[★]



Specification

WLAN Features	
Wireless Standards	IEEE 802.11a/b/g/n/ac/ax
Signal Rate	5 GHz: 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: 11ax: Up to 574 Mbps(dynamic) 11n: Up to 400 Mbps(dynamic) 11g: Up to 54 Mbps(dynamic) 11b: Up to 11 Mbps(dynamic)
Reception Sensitivity	5 GHz: 11ax HE160 MCS0: -86 dBm 11ax HE160 MCS11: -58 dBm 11ax HE20 MCS0: -91 dBm 11ax HE20 MCS11: -63 dBm 2.4 GHz: 11ax HE40 MCS0: -92 dBm 11ax HE40 MCS11: -63 dBm 11ax HE20 MCS0: -95 dBm 11ax HE20 MCS11: -65 dBm
Transmit Power	2.4 GHz: 13,5 dBm 5 GHz: 10 dBm
Wireless Modes	Infrastructure mode
Wireless Security	WEP, WPA/WPA2/WPA3, WPA-PSK/ WPA2-PSK
Hardware	
Antennas	2× Internal Antennas
Dimensions	19,4 × 7,9 × 43,9 mm (0,76 × 0,3 × 1,73 in)
Others	
Package Contents	AX3000 Dual Band Wi-Fi 6 Wireless USB Adapter Archer TX50U Quick Installation Guide
Certification	FCC/CE/IC/NCC/JRF/VCCI/BSMI
System Requirements	• Supported operating system: Windows 10, 11 (64-bit)
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, wireless coverage and number of connected devices are not guaranteed and will vary as a result of network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.

‡Use of Wi-Fi 6 and other features, including OFDMA and MU-MIMO, require your APs to also support the corresponding features.

§Use of WPA3 requires APs to also support the corresponding feature.

△To ensure compatibility, you may need to update the adapter's drivers after an OS update. You can check full list of supported OS in the download center at [tp-link.com/download-center](https://www.tp-link.com/download-center).

★The speed of USB 3.0 is based on testing conducted by the USB-IF.

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