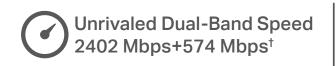


AX3000 Wi-Fi 6 Bluetooth 5.0 **PCle Adapter**

Arm Your PC with Next-Gen Wi-Fi Technology













Intel[®] Wi-Fi 6 Chipset for Reliable Connections



Wider Signal Coverage with Magnetized Antenna Base

Highlights

Next-Gen Wi-Fi Technology

Powerful and consistent signals to perfectly pair with Wi-Fi 6 routers supported 160 MHz bandwidth.[§]

Bluetooth 5.0 Technology

Archer TX50E is compatible with the latest Bluetooth 5.0 Technology, achieving 2× faster speed and 4× broader coverage than Bluetooth 4.2 to connect as more devices as you want and enjoy the smoother experience than ever.***



Wi-Fi 5 867 Mbps

3× Faster Speed^A



Highlights



75% Lower Latency

More responsive gaming and seamless video conferencing.*





Improved Security—WPA3[™]

The latest security enhancements provide enhanced protection in personal password safety.**



In addition to the standard bracket, a low-profile bracket is also provided for mini tower computer cases.

Superior Wi-Fi Reception

Equipped with 1024-QAM and MU-MIMO technology, TX50E delivers faster and clearer Wi-Fi to take your PC's Wi-Fi reception to the next level.‡

Low-Profile Bracket

Specifications

WLAN Features

11ac HT20: -73.75dBm

Wireless Standards: IEEE 802.11ax/ac/n/a 5 GHz, IEEE 802.11ax/n/g/b 2.4 GHz	11n HT40: -
Signal Rate:	11n HT20: -
5 GHz	11a 54Mbps
11ax: Up to 2402 Mbps(dynamic)	11a 6Mbps:
11ac: Up to 1733 Mbps(dynamic)	2.4GHz :
11n: Up to 300 Mbps(dynamic)	11ax HT40:
11a: Up to 54 Mbps(dynamic)	11ax HT20:
2.4 GHz	11n HT40: -
11ax: Up to 574 Mbps(dynamic)	11n HT20: -
11n: Up to 300 Mbps(dynamic)	11g 54Mbps
11g: Up to 54 Mbps(dynamic)	11b 11Mbps
11b: Up to 11 Mbps(dynamic)	· Transmit Pov
Reception Sensitivity:	5 GHz: 28dB
5 GHz :	2.4 GHz : 240
11ax HT160: -56.25dBm	· Wireless Mo
11ax HT80: -59dBm	· Interface: PC
11ax HT40: -62.25dBm	· Wireless Sec
11ax HT20: -65dBm	WPA-PSK/W
11ac HT160: -62dBm	 Modulation T 256-QAM, 10
11ac HT80: -65.5dBm	
11ac HT40: -69.75dBm	

-74.5dBm

-77.5dBm

s: -77.75dBm

-94.5dBm

- -60.75dBm
- -63.75dBm
- -73dBm
- -76.25dBm
- s: -76.5dBm
- s: -89dBm

wer:

- Bm(FCC) / 23dBm(CE) (EIRP),
- dBm(FCC) / 20dBm(CE) (EIRP)
- odes: Infrastructure mode
- CI Express x1/x4/x8
- curity: Support 64/128 bit WEP, WPA/WAP2/WPA3, VPA2-PSK, 802.1x
- Technology: DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM, 1024QAM

Specifications

Bluetooth Features

- Standards and Protocols: Bluetooth 5.0, Bluetooth 4.2, Bluetooth 4.0
- Interface: USB 2.0
- · Bluetooth Profiles: Archer TX50E supports the native BT profiles implemented in Windows 10.

* For the latest information on Windows 10 BT profiles, please refer to https://support.microsoft.com/en-us/help/10568/windows-10-supported-bluetooth-profiles

Hardware

- Chipset: Intel Wi-Fi 6 Chipset
- Antennas: Two High-Gain Dual Band Antennas
- Dimensions: 3.7 × 4.8 × 0.8 in (95.2 × 120.8 × 21.5 mm)

Others

- Package Contents AX3000 Wi-Fi 6 Bluetooth 5.0 PCle Adapter Archer TX50E Two 5 dBi High Gain Antennas Low-Profile Bracket **Bluetooth Header Cable** Quick Installation Guide Resource CD
- · Certification FCC, CE, RoHS
- System Requirements Windows 10 (64-bit) only****
- Environment

Operating Temperature: 0°C~40°C (32°F ~104°F) Storage Temperature: -40°C~70°C (-40°F ~158°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+TX50E V1

or scan the QR code left

Attention: This device may only be used indoors in all EU member states and EFTA countries.

[‡]Use of Wi-Fi 6 (802.11ax), and features including OFDMA, MU-MIMO, HT160 and 1024-QAM require APs to also support the corresponding features.

[§]Functionality of Archer TX50E may be restricted on some computing systems and platforms. Please try to update the device's driver for feature compatibility.

*802.11ax 2x2 160 MHz enables 2402 Mbps maximum theoretical data rates, 3× faster than standard 802.11ac 2x2 80 MHz (867 Mbps) and nearly 6x faster than baseline 1x1ac (433 Mbps) Wi-Fi as documented in IEEE 802.11 wireless standard specifications, and require the use of similarly configured 802.11ac wireless network routers. ""Up to 75% lower latency" is based on Intel simulation data of 802.11ax with and without OFDMA using 9 clients. Average latency is reduced to 7.6ms. Latency improvement requires that the AP and all clients support OFDMA.

**Use of WPA3TM requires APs to also support the corresponding feature.

***Several new features are introduced in the Bluetooth Core Specification 5.0 Release, including 2× faster speed and 4× broader coverage compared with Bluetooth 4.2.

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