tp-link

Wi-Fi 6

AX3000
Wi-Fi 6 Bluetooth 5.0
PCIe Adapter

Arm Your PC with Next-Gen
Wi-Fi Technology

Archer TX50E

Unrivaled Dual-Band Speed
2402 Mbps+574 Mbps†

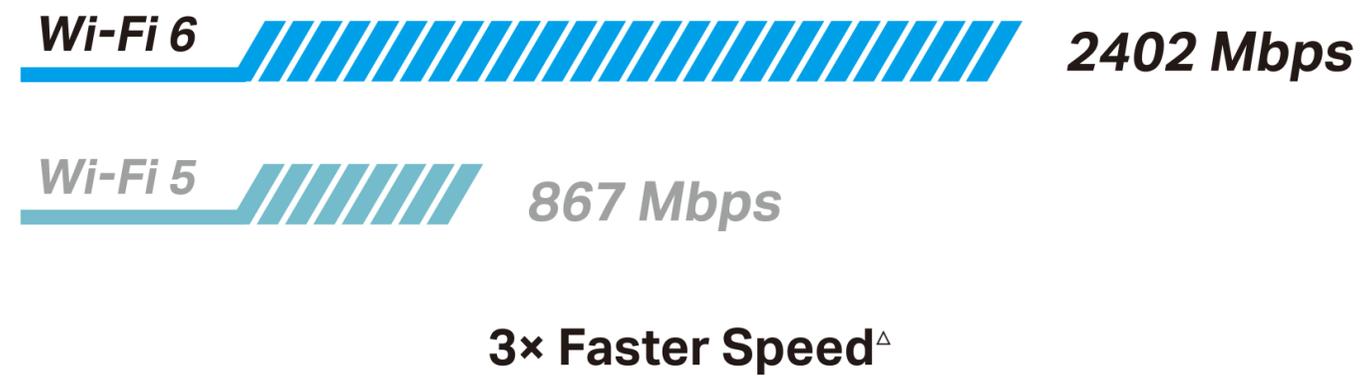75% Ultra-Low Latency Brings
Smoother Experience*

CPU 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 6 ///////////////////////// **2402 Mbps**

Wi-Fi 5 ///////// **867 Mbps**

3× Faster Speed△

Highlights

75% Lower Latency

More responsive gaming and seamless video conferencing.*

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.‡

Improved Security—WPA3™

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

Low-Profile Bracket

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

Specifications

WLAN Features

· Wireless Standards: IEEE 802.11ax/ac/n/a 5 GHz, IEEE 802.11ax/n/g/b 2.4 GHz

· Signal Rate:

5 GHz

11ax: Up to 2402 Mbps(dynamic)

11ac: Up to 1733 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 300 Mbps(dynamic)

11g: Up to 54 Mbps(dynamic)

11b: Up to 11 Mbps(dynamic)

· Reception Sensitivity:

5 GHz :

11ax HT160: -56.25dBm

11ax HT80: -59dBm

11ax HT40: -62.25dBm

11ax HT20: -65dBm

11ac HT160: -62dBm

11ac HT80: -65.5dBm

11ac HT40: -69.75dBm

11ac HT20: -73.75dBm

11n HT40:   -74.5dBm

11n HT20:   -77.5dBm

11a 54Mbps: -77.75dBm

11a 6Mbps: -94.5dBm

2.4GHz :

11ax HT40:   -60.75dBm

11ax HT20:   -63.75dBm

11n HT40: -73dBm

11n HT20:   -76.25dBm

11g 54Mbps: -76.5dBm

11b 11Mbps: -89dBm

· Transmit Power:

5 GHz: 28dBm(FCC) / 23dBm(CE) (EIRP),

2.4 GHz : 24dBm(FCC) / 20dBm(CE) (EIRP)

· Wireless Modes: Infrastructure mode

· Interface: PCI Express x1/x4/x8

· Wireless Security: Support 64/128 bit WEP, WPA/WAP2/WPA3, WPA-PSK/WPA2-PSK, 802.1x

· Modulation Technology: DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM, 256-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 PCIe 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