



AX3000 Wi-Fi 6 Bluetooth PCIe Adapter

Arm Your PC with Next-Gen
Wi-Fi Technology



Archer TX55E



Unrivalled Dual-Band Speed
2402 Mbps+574 Mbps[†]



Low-Latency Gaming
Brings Smoother Experience*



Bluetooth 5.3
Enhances Reliability
and Security***



Wider Signal Coverage
With High Gain Antennas

Highlights

Next-Gen Wi-Fi Technology

3× Faster Speed^Δ

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

Wi-Fi 6  **2402 Mbps**

Wi-Fi 5  **867 Mbps**



Ultra-Low Latency

The revolutionary combo of OFDMA and MU-MIMO ensures the most efficient Wi-Fi connection for your PC, reducing latency for faster speeds.[‡]



Improved Security—WPA3

The latest security enhancements provides enhanced protection in personal password safety.^{**}



Superior Wi-Fi Reception

Equipped with 1024-QAM and MU-MIMO technology, TX55E delivers faster and clearer Wi-Fi to take your PC's Wi-Fi reception to the next level.[‡]



Low-Profile Bracket

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

Bluetooth 5.3 Technology

Inheriting the high speed and broad coverage of last-gen Bluetooth, the latest Bluetooth 5.3 has also been enhanced in terms of reliability and security, which ensures a more robust coordination with your game controllers, headphones, keyboards and etc.^{***}



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:** Client mode, Hotspot mode
- **Interface:** PCI Express x1
- **Wireless Security:** WEP, WPA/WPA2/WPA3, WPA-PSK/WPA2-PSK
- **Modulation Technology:** DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM, 256-QAM, 1024QAM

Specifications

Bluetooth Features

- Standards and Protocols: Bluetooth 5.3/5.2/5.0/4.2/4.0
- Interface: F_USB 2.0

Hardware

- Antennas: Two High-Gain Dual Band Antennas
- Dimensions: 3.09 × 4.76 × 0.85 in (78.5 × 120.8 × 21.5 mm)

Others

- Package Contents
 - Archer TX55E
 - Magnetized Antenna Base with 1m RF Cable
 - Two High Gain Antennas
 - Low-Profile Bracket
 - Bluetooth Header Cable
 - Quick Installation Guide
 - Resource CD
- Certification
 - FCC, CE, RoHS
- System Requirements
 - Windows 11/10 (64-bit)[§]
- 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/en/home-networking/pci-adapter/archer-tx55e/v4/>
or scan the QR code left

Specifications are subject to change without notice. All the brands and product names are trademarks or registered trademarks of their respective holders.
†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 6 (802.11ax), and features including OFDMA, MU-MIMO, HT160 and 1024-QAM require APs to also support the corresponding features. §Functionality of Archer TX55E may be restricted on some computing systems and platforms. Please try to update the device's driver for feature compatibility. Δ802.11ax 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 802.11ax wireless network routers. **Use of WPA3 requires APs to also support the corresponding feature. ***Several new features are introduced in the Bluetooth Core Specification 5.0, 5.2 and 5.3 Release, including 2× faster speed and 4× broader coverage compared with Bluetooth 4.2.
****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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