





# AX1800 Wi-Fi 6 Bluetooth 5.2 PCIe Adapter


Arm Your PC with Next-Gen  
Wi-Fi Technology




Archer TX20E

 Unrivaled Dual-Band Speed  
1201 Mbps+574 Mbps<sup>†</sup>

 Low-Latency Gaming  
OFDMA and MU-MIMO supported\*

 The Latest Bluetooth 5.2  
Link to Your PC via Bluetooth

 Wider Signal Coverage  
With High Gain Antennas

# Highlights

## Arm Your PC with Wi-Fi 6 Technology

The latest Wi-Fi 6 standard guarantees extreme speeds, ultra-low latency, and uninterrupted connections. Archer TX20E arms your PC with Wi-Fi 6 to ensure powerful, continuous signal reception, unlocking your Wi-Fi 6 router's full potential.‡

**Wi-Fi 6**  **1201 Mbps**

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



### Ultra-Low Latency

The revolutionary combo of OFDMA + 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, TX20E 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 5.2 Compatible

Archer TX20E equips your PC with more advanced Bluetooth 5.2 Technology that runs faster connection speeds and farther range compared with older versions, ensuring a strong and stable wireless connection between your PC and Bluetooth devices.\*\*\*



# 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 1201 Mbps(dynamic)  
11ac: Up to 867 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 MCS11 -56dBm  
11ax HT160 MCS0 -87dBm  
11ax HT80 MCS11 -59dBm  
11ax HT80 MCS0 -90dBm  
11ax HT40 MCS11 -62dBm  
11ax HT40 MCS0 -93dBm  
11ax HT20 MCS11 -65dBm  
11ax HT20 MCS0 -95dBm  
11ac HT160 MCS9 -62dBm  
11ac HT160 MCS0 -87dBm  
11ac HT80 MCS9 -65dBm  
11ac HT80 MCS0 -90dBm  
11ac HT40 MCS9 -69dBm  
11ac HT40 MCS0 -94dBm  
11ac HT20 MCS8 -74dBm  
11ac HT20 MCS0 -95dBm  
11n HT40 MCS7 -74dBm  
11n HT40 MCS0 -94dBm  
11n HT20 MCS7 -77dBm  
11n HT20 MCS0 -95dBm  
11a 54Mbps -78dBm  
11a 6Mbps -95dBm  
2.4 GHz :  
11ax HT40 MCS11 -61dBm  
11ax HT40 MCS0 -92dBm  
11ax HT20 MCS11 -64dBm  
11ax HT20 MCS0 -94dBm  
11n HT40 MCS7 -72dBm  
11n HT40 MCS0 -92dBm  
11n HT20 MCS7 -76dBm  
11n HT20 MCS0 -94dBm  
11g54Mbps -77dBm  
11b11Mbps -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/x16
- **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 5.2, Bluetooth 5.0, Bluetooth 4.2, Bluetooth 4.0
- Interface: F\_USB 2.0

## Hardware

- Antennas: Two High Gain Dual-Band Antennas
- Dimensions: 2.2 × 1.4 × 0.45 in (55 × 36 × 11.5 mm)

## Others

- Package Contents
  - AX1800 Wi-Fi 6 Bluetooth 5.2 PCIe Adapter Archer TX20E
  - Two High Gain Dual-Band Antennas
  - Low-Profile Bracket
  - Bluetooth Header Cable
  - Quick Installation Guide
  - Resource CD
- Certification
  - FCC, CE, RoHS
- System Requirements
  - Windows 10/11(64-bit) <sup>§</sup>
- Environment
  - Operating Temperature: 0°C~40°C (32°F ~104°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+TX20E\\_V1](https://www.tp-link.com/products/details/?model=Archer+TX20E_V1)

or scan the QR code left

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†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 and 1024-QAM require APs to also support the corresponding features.

§Functionality of Archer TX20E may be restricted on some computing systems and platforms. Please try to update the device's driver for feature compatibility.

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

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

\*\*\*Several new features are introduced in the Bluetooth Core Specification 5.0 and 5.2 Releases, including 2× faster speed and 4× broader coverage compared with Bluetooth 4.2.