




# AX1800 High Gain Wireless USB Adapter

Arm Your PC with Next-Gen  
Wi-Fi Technology




Archer TX20UH

 Ultra-Fast Wi-Fi 6 Speed  
1201 Mbps+574 Mbps<sup>†</sup>

 Low-Latency Gaming  
OFDMA and MU-MIMO supported<sup>†</sup>

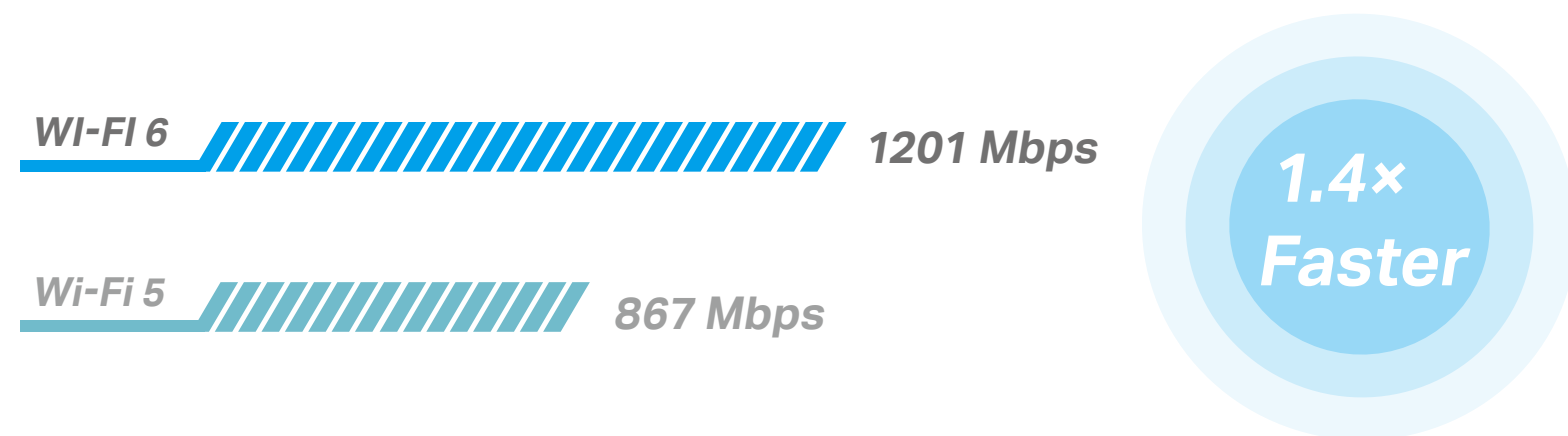
 Auto Driver Installation  
Pre-Loaded Internal Driver

 Refined Security  
The Latest WPA3 Encryption<sup>†</sup>

# 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 TX20UH arms your PC with Wi-Fi 6 to ensure powerful, continuous signal reception, unlocking your Wi-Fi 6 router's full potential.‡



### 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.‡



### Highly Secure WPA3

The latest encryption technology eliminates brute-force attacks and provides better security.<sup>^</sup>



### Flexible Design

A detachable cradle with 1.2-meter USB 3.0 cable and adjustable multi-directional antenna design simply finding a spot for Archer TX20UH in your home.

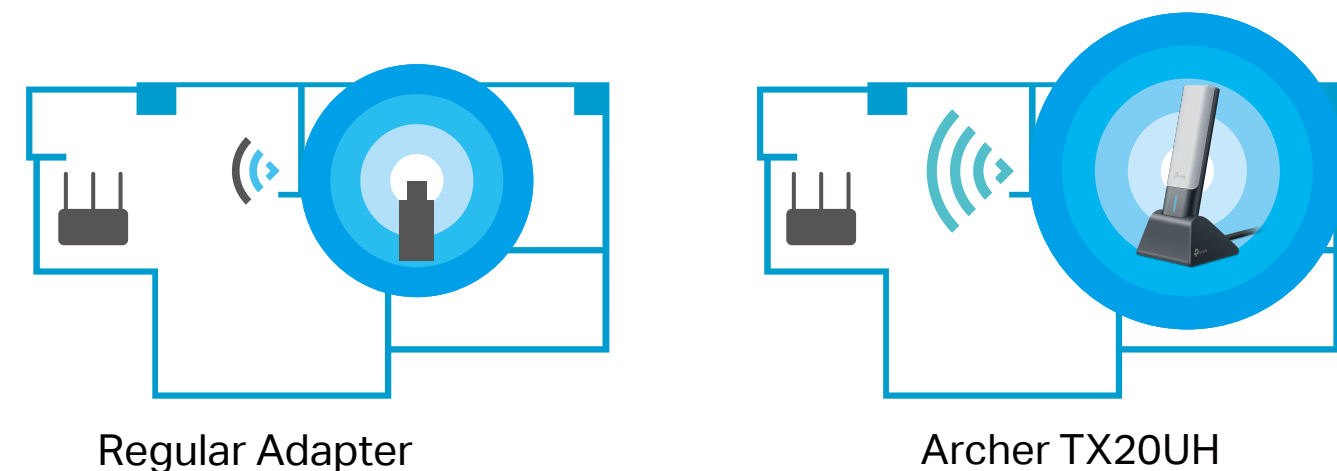


### Super Speed USB 3.0

Experience blazing-fast data transfers with USB 3.0 — the latest USB connectivity standard which is 10x faster than USB 2.0.

## Boost Wi-Fi Reception Range

High-gain antenna and detachable cradle with 1.2-meter cable, flexibly combines with Beamforming technology to concentrate Wi-Fi signal towards your router for better reception and reliable connections from far away.



# 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 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: 19dBm(FCC) /18dBm(CE) (EIRP)  
2.4 GHz : 19.5dBm(FCC) / 16dBm(CE) (EIRP)
- **Wireless Modes:** Infrastructure mode
- **Interface:** PCI Express x1/x4/x8/x16
- **Wireless Security:** Support 64/128 bit WEP, WPA/WPA2/WPA3, WPA-PSK/WPA2-PSK
- **Modulation Technology:** DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM, 256-QAM, 1024QAM

# Specifications

## Hardware

- Antennas: 2× High-Gain Dual-Band Antennas
- Dimensions: 30.5 × 14.8 × 111.7 mm (1.2 × 0.58 × 4.4 in)

## Others

### · Package Contents

AX1800 High Gain Wireless USB Adapter Archer TX20UH  
Quick Installation Guide  
USB 3.0 Cradle

### · Certification

FCC, CE, RoHS

### · System Requirements

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



For more information, please visit

[https://www.tp-link.com/products/details/?model=Archer+TX20UH\\_V1](https://www.tp-link.com/products/details/?model=Archer+TX20UH_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, 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 TX20UH may be restricted on some operating systems and platforms. Please try to update the device's driver for feature compatibility.

ΔUse of WPA3 requires APs to also support the corresponding feature.