



# 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>

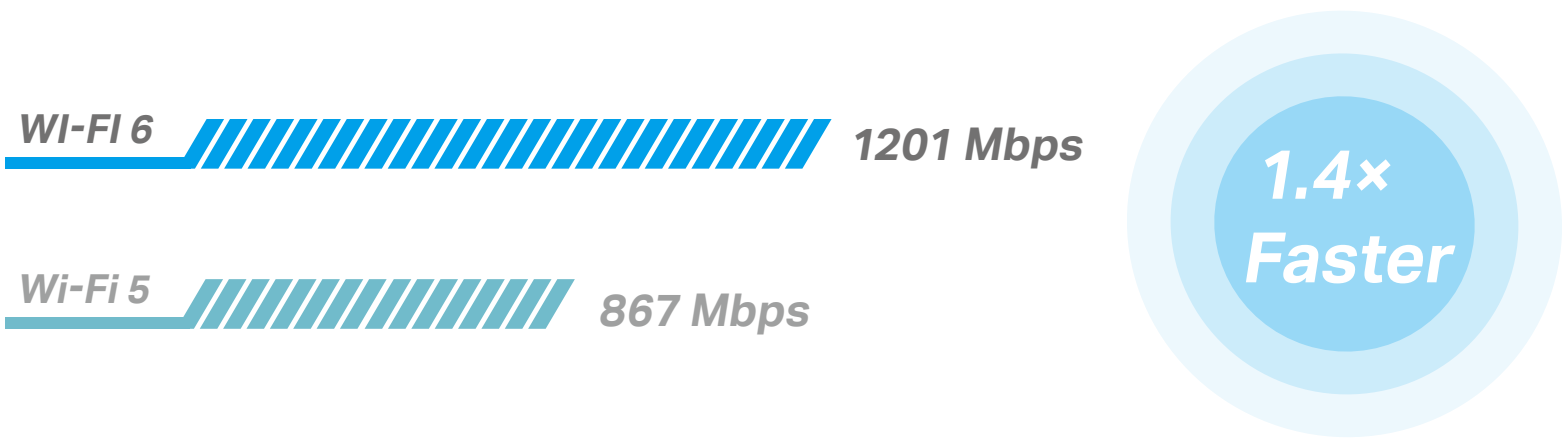
 Auto Driver Installation  
Pre-Loaded Internal Driver

 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.<sup>‡</sup>



### 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.<sup>‡</sup>



### 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.

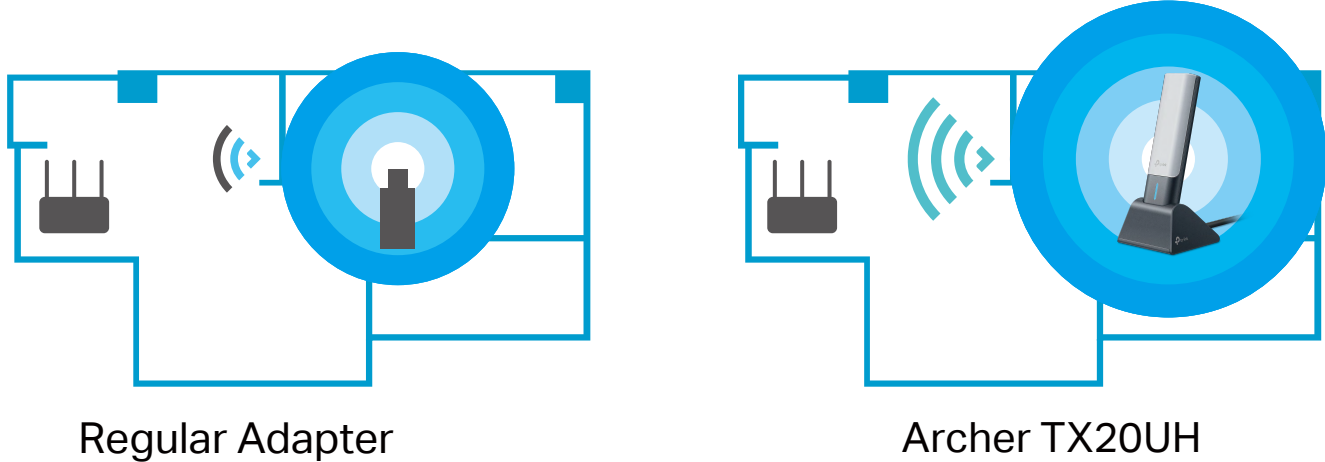


### Super Speed USB 3.0

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>Wireless Standards:<br/>IEEE 802.11ax/ac/n/a 5 GHz,<br/>IEEE 802.11ax/n/g/b 2.4 GHz</li><li>Signal Rate:<br/>5 GHz<br/>11ax: Up to 1201 Mbps(dynamic)<br/>11ac: Up to 867 Mbps(dynamic)<br/>11n: Up to 300 Mbps(dynamic)<br/>11a: Up to 54 Mbps(dynamic)<br/>2.4 GHz<br/>11ax: Up to 574 Mbps(dynamic)<br/>11n: Up to 300 Mbps(dynamic)<br/>11g: Up to 54 Mbps(dynamic)<br/>11b: Up to 11 Mbps(dynamic)</li></ul> | <ul style="list-style-type: none"><li>Reception Sensitivity:<br/>5 GHz :<br/>11ax HE80 MCS11 -59dBm<br/>11ax HE80 MCS0 -90dBm<br/>11ax HE40 MCS11 -62dBm<br/>11ax HE40 MCS0 -93dBm<br/>11ax HE20 MCS11 -65dBm<br/>11ax HE20 MCS0 -95dBm<br/>11ac VHT80 MCS9 -65dBm<br/>11ac VHT80 MCS0 -90dBm<br/>11ac VHT40 MCS9 -69dBm<br/>11ac VHT40 MCS0 -94dBm<br/>11ac VHT20 MCS8 -74dBm<br/>11ac VHT20 MCS0 -95dBm<br/>11n HT40 MCS7 -74dBm<br/>11n HT40 MCS0 -94dBm<br/>11n HT20 MCS7 -77dBm<br/>11n HT20 MCS0 -95dBm<br/>11a 54Mbps -78dBm<br/>11a 6Mbps -95dBm</li></ul> | <ul style="list-style-type: none"><li>2.4 GHz :<br/>11ax HE40 MCS11 -61dBm<br/>11ax HE40 MCS0 -92dBm<br/>11ax HE20 MCS11 -64dBm<br/>11ax HE20 MCS0 -94dBm<br/>11n HT40 MCS7 -72dBm<br/>11n HT40 MCS0 -92dBm<br/>11n HT20 MCS7 -76dBm<br/>11n HT20 MCS0 -94dBm<br/>11g 54Mbps -77dBm<br/>11b 11Mbps -89dBm</li><li>Transmit Power:<br/>5 GHz: 19dBm(FCC) /18dBm(CE) (EIRP)<br/>2.4 GHz : 19.5dBm(FCC) / 16dBm(CE) (EIRP)</li><li>Wireless Modes: Infrastructure mode</li><li>Interface: USB 3.0</li><li>Wireless Security: Support WPA/WPA2/WPA3, WPA-PSK/<br/>WPA2-PSK</li><li>Modulation Technology: DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM,<br/>256-QAM, 1024QAM</li></ul> |
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# Specifications

## Hardware

- Antennas: 2× High-Gain Dual-Band Antennas
- Dimensions: 30.5 × 14.8 × 11.7 mm (1.2 × 0.58 × 4.4 in)

## Others

|                                                     |                 |                         |                                               |
|-----------------------------------------------------|-----------------|-------------------------|-----------------------------------------------|
| · Package Contents                                  | · Certification | · System Requirements   | · Environment                                 |
| AX1800 High Gain Wireless USB Adapter Archer TX20UH | FCC, CE, RoHS   | Windows 10/11(64-bit) § | Operating Temperature: 0°C~40°C (32°F ~104°F) |
| Quick Installation Guide                            |                 |                         | Operating Humidity: 10%~90% non-condensing    |
| USB 3.0 Cradle                                      |                 |                         | 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.