





# AX1800 Nano Wi-Fi 6 Wireless USB Adapter

Arm Your PC with  
Wi-Fi 6 Technology



Archer TX20U Nano

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

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

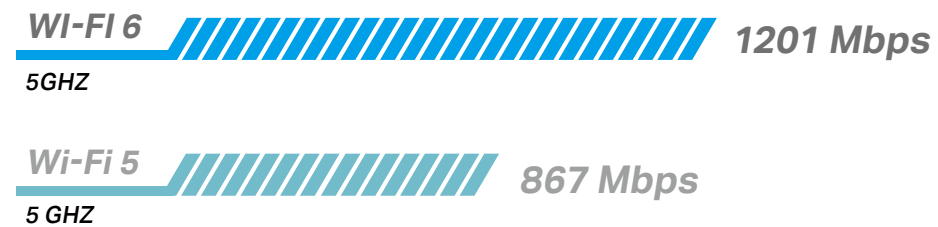
 Easy Installation  
Pre-Loaded Internal Driver

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

# Highlights

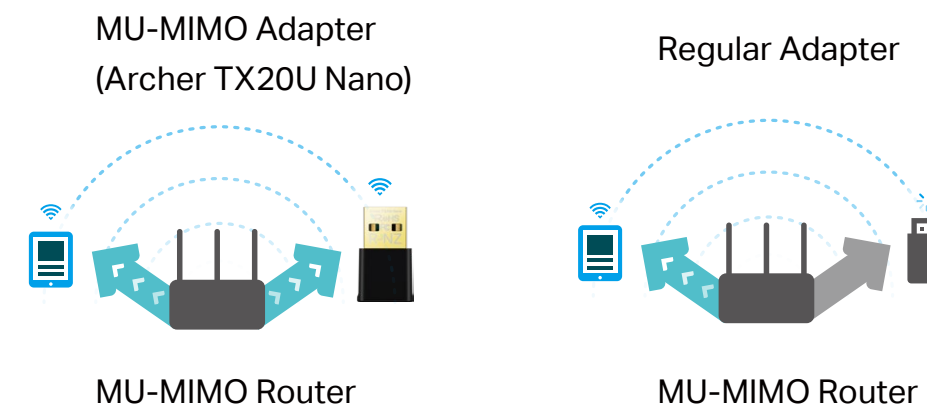
## Arm Your PC with Wi-Fi 6 Technology

Archer TX20U Nano arms your PC with Wi-Fi 6 to ensure powerful, continuous signal reception, unlocking your Wi-Fi 6 router's full potential.‡



## Boosted Throughput with MU-MIMO

Works with MU-MIMO routers, which provide simultaneous data streams, boosting throughput and efficiency.‡



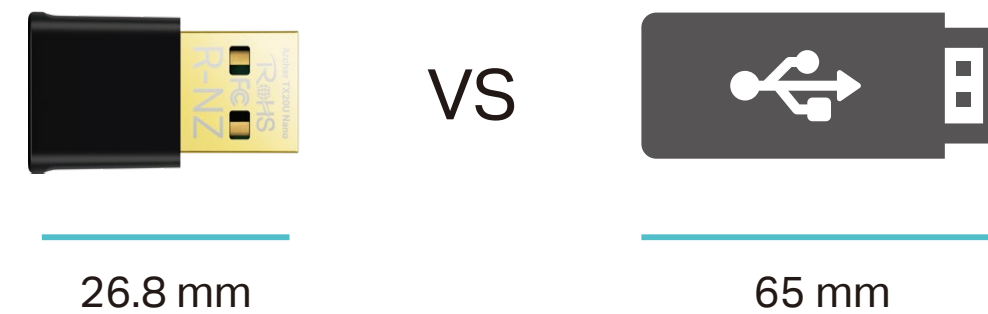
## Improved Security with WPA3

The latest Wi-Fi security protocol provides enhanced protection in personal password safety. Δ



## Tiny in Size, Mighty in Performance

Much smaller than regular USB flash drive, enjoy a stable and super-fast Wi-Fi wherever you need it.



# Specifications

## WLAN Features

- Wireless Standards: IEEE 802.11a/b/g/n/ac/ax

- 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 400 Mbps(dynamic)

11g: Up to 54 Mbps(dynamic)

11b: Up to 11 Mbps(dynamic)

- Reception Sensitivity:

5 GHz:

11ax HE80 MCS0: -90 dBm

11ax HE80 MCS11: -59 dBm

11a 54Mbps: -77 dBm

11ac VHT80 MCS0: -92dBm

11ac VHT80 MCS9: -64dBm

2.4 GHz:

11ax HE40 MCS0: -94 dBm

11ax HE40 MCS11: -66 dBm

11g 54Mbps: -79 dBm

11n HT40 MCS9: -74dBm

- Transmit Power:

5 GHz: 19dBm(FCC) /21.5dBm(CE) (EIRP)

2.4 GHz : 19dBm(FCC) / 18.5dBm(CE) (EIRP)

- Wireless Modes: Infrastructure mode

- Wireless Security: WEP, WPA/WPA2/WPA3, WPA-PSK/WPA2-PSK<sup>Δ</sup>

# Specifications

## Hardware

- Dimensions: 26.8× 15.7 ×7.5mm (1.06 × 0.62 × 0.30 in)

## Others

- Package Contents

AX1800 Nano Wi-Fi 6 Wireless USB Adapter TX20U Nano  
Quick Installation Guide

- Certification

FCC, CE, RoHS

- System Requirements

Windows 10/11<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+TX20U%20Nano>

or scan the QR code left

©2023 TP-Link

†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 TX20U Nano 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.

\*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.