# AC650 Nano Wireless Dual Band USB Adapter

## Model: MA20N

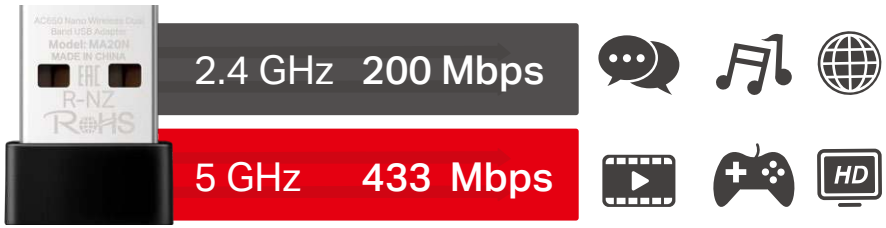



## Highlights

- 433 Mbps on 5 GHz and 200 Mbps on 2.4 GHz†
- Plug and Play Without CD
- Enhanced WPA3 Security‡
- USB 2.0 Port

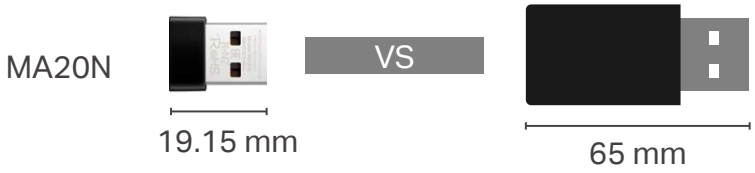
## AC650 Dual Band Wi-Fi

The MA20N connects devices on both 2.4 GHz and 5 GHz bands simultaneously. Combining 200 Mbps on 2.4 GHz (perfect for surfing and emailing) and 433 Mbps on 5 GHz (ideal for HD streaming and gaming).†




## Minimum Size, Maximum Performance

Much smaller than a regular USB flash drive, this adapter allows you to more easily carry and use to turn on your wireless network anytime and anywhere.



# Specifications

## Physical Specifications

**Interface**
USB 2.0

**Dimensions (W x D x H)**
19.15 × 14.94× 7.19 mm
(0.75× 0.59 × 0.28 in. )

**Antenna**
1 Internal Antenna

## Wireless Specifications

**Wireless Standards**
IEEE 802.11b/g/n 2.4 GHz
IEEE 802.11a/n/ac 5 GHz

**EIRP**
<20dBm (EIRP)

**Wireless Security**
WPA/PSK, WPA2-PSK/
WPA3-SAE‡

**System Requirements**
Windows 11/10 (32/64-bit)§

**Signal Rate**
- Up to 433 Mbps on 5 GHz
- Up to 200 Mbps on 2.4 GHz

**Reception Sensitivity**
2 GHz:
- 11G 6M: -95.5 dBm
- 11G 54M: -79 dBm
- 11N HT20 MCS7: -76 dBm
- 11N HT40 MCS7: -74 dBm

5 GHz:
- 11A 6M: -95 dBm
- 11A 54M: -78 dBm
- 11AC VHT20 MCS8: -72 dBm
- 11AC VHT40 MCS9: -68.5 dBm
- 11AC VHT80 MCS9: -64.5 dBm

# Package Contents

- AC650 Nano Wireless Dual Band USB Adapter (MA20N)
- Quick Installation Guide

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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 quantity 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 WPA3 requires APs to also support the corresponding feature. To use WPA3, you may need to upgrade the drivers which can be downloaded on the official website of MERCUSYS.
§Functionality may be restricted on some operating systems and platforms. To ensure compatibility, you may need to update the adapter's drivers after an OS update. You can find our latest drivers in the download center at http://www.mercusys.com