MERCUSYS®

AX1800 Wi-Fi 6 Wireless USB Adapter

Model: MA70XM

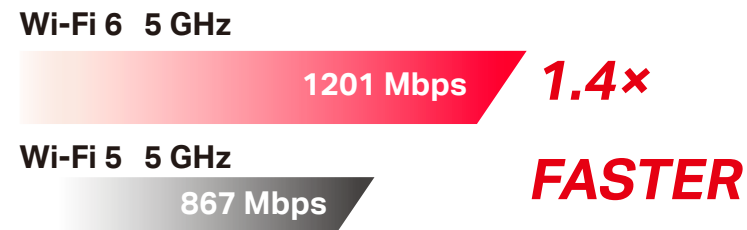**Wi-Fi 6**

Windows 11
Compatible with Windows 11/10

// Highlights

- 1201 Mbps + 574 Mbps Dual-Band Wi-Fi†

- Pre-Loaded Internal Driver

- USB 3.0 for Fast Transfer Speeds
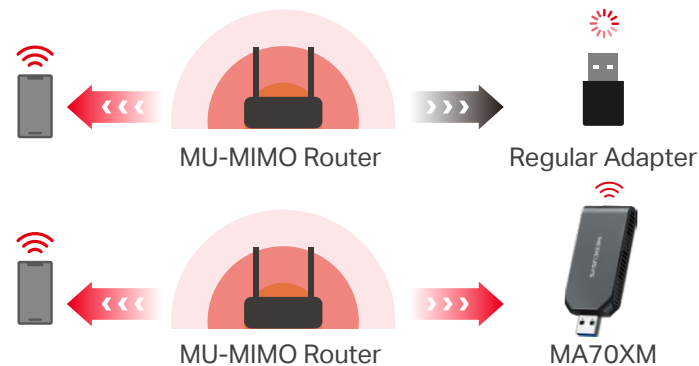
- Enhanced WPA3 Security‡

- MU-MIMO Supported§

▚ Upgrade Your PC to Wi-Fi 6

The Wi-Fi 6 standard guarantees faster, more efficient and reliable data transmissions, satisfying the demand for a high-performance wireless experience.

Wi-Fi 6   5 GHz

1201 Mbps   *1.4×*

Wi-Fi 5   5 GHz

867 Mbps   *FASTER*

▚ Boosted Throughput with MU-MIMO

MU-MIMO technology provides two simultaneous data streams, improving the throughput and efficiency of the entire network when working with a compatible MU-MIMO router.[§]

MU-MIMO Router   Regular Adapter

MU-MIMO Router   MA70XM

// Specifications

Wireless Specifications

Wi-Fi Speed
1201 Mbps (5 GHz)
+ 574 Mbps (2.4 GHz)†

Wi-Fi Standards
IEEE802.11ax/ac/a/b/g/n

Wireless Security
WPA/WPA2/WPA-PSK/
WPA2-PSK/WPA3-SAE

Reception Sensitivity
5 GHz:
11ac 20M MCS0: -94dBm
11ax 80M MCS11: -61dBm
2.4 GHz:
11ac 20M MCS0: -94dBm
11ax 40M MCS11: -62dBm

Physical Specifications

Interface
USB 3.0

Dimensions (W x D x H)
77 × 30 × 12.4 mm
(3.03 × 1.18 × 0.49 in)

Antenna Type
Internal

Others

System Requirements
Windows 11/10

Environment
Operating Temperature: 0℃~40℃ (32°F ~104°F)
Operating Humidity: 10%~90% non-condensing
Storage Humidity: 5%~90% non-condensing

Package Contents
AX1800 Wi-Fi 6 Wireless USB Adapter (MA70XM)
Quick Installation Guide

For more information, please visit www.mercusys.com.

†Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage 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.
§Use of Wi-Fi 6 (802.11ax) and features including OFDMA, MU-MIMO and 1024-QAM requires APs to also support the corresponding features.
*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 https://www.mercusys.com/download/ma70xm/