

AXE5400 Wi-Fi 6E High Gain Wireless USB Adapter

Model: MA86XH

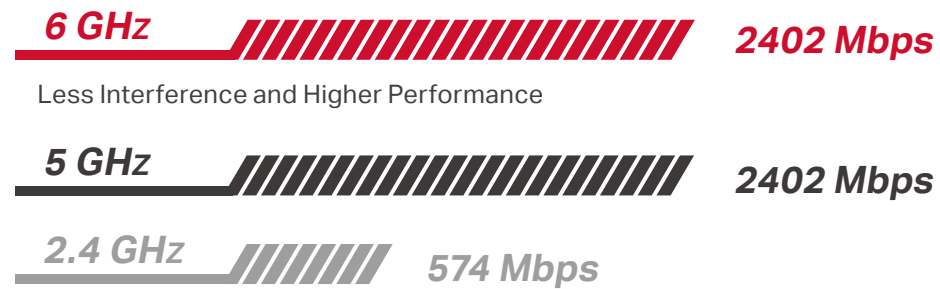
// Highlights

- 2402 Mbps + 2402 Mbps + 574 Mbps Tri-Band Wi-Fi†
- Pre-Loaded Internal Driver
- Powerful High-Gain Antennas
- Enhanced WPA3 Security‡
- MU-MIMO Supported§

Wi-Fi 6E**Windows 11**
Compatible with Windows 11/10

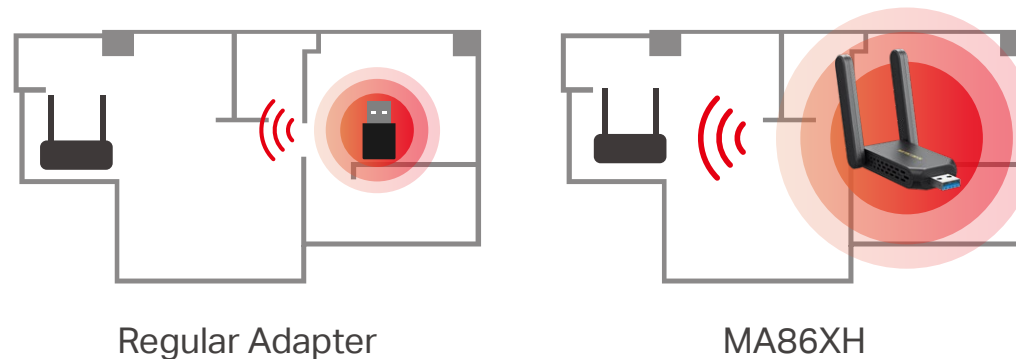
// Upgrade Your PC to Wi-Fi 6E

MA86XH arms your PC with Wi-Fi 6E technology and the brand-new 6 GHz band, unlocking your Wi-Fi 6E router's full potential. Experience faster speeds, stronger interference resistance, and enhanced security.



// Boost Wireless Range with High-Gain Antennas

Two high-gain antennas with Beamforming deliver extended range and focused coverage for faster, more stable connections.



// Specifications

Wireless Specifications

Wi-Fi Speed

2402 Mbps (6 GHz)
+ 2402 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

6 GHz:
11ax HE160 MCS11: -58 dBm
11ax HE160 MCS0: -82 dBm
5 GHz:
11ax HE160 MCS11: -61 dBm
11ax HE160 MCS0: -85 dBm
2.4 GHz:
11ax HE40 MCS11: -64 dBm
11ax HE40 MCS0: -92 dBm

Physical Specifications

Interface

USB 3.0

Dimensions (W x D x H)

77 × 45.2 × 12.4 mm
(3.03 × 1.78 × 0.49 in)

Antenna

2× External High-Gain Antennas

Others

System Requirements

Windows 11/10

Environment

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

Package Contents

AXE5400 Wi-Fi 6E High-Gain Wireless USB Adapter (MA86XH)
Quick Installation Guide

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

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†Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11ax 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 MERCUSYS website.

§Use of Wi-Fi 6E (802.11ax) and features including OFDMA, MU-MIMO, 1024-QAM, or HE160 requires APs to also support the corresponding features. 160 MHz channels may not all be available in the 5 GHz or 6 GHz band in some regions/countries due to regulatory restrictions.

*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/ma86xh/>