

BE6500 Wi-Fi 7 High Gain Wireless USB Adapter

Model: MA37BEH

// Highlights

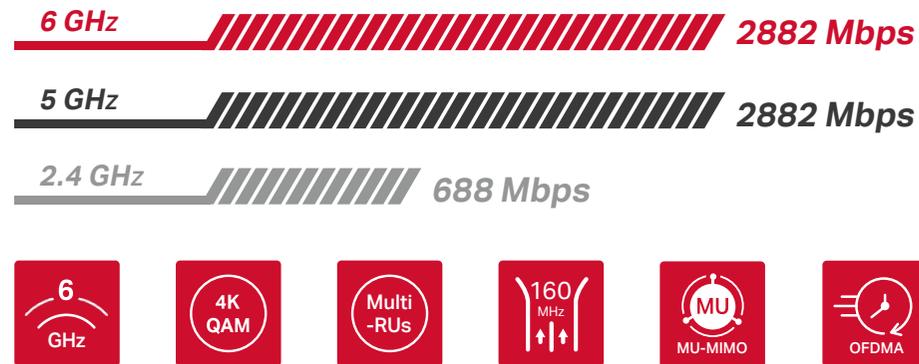
- 2882 Mbps + 2882 Mbps + 688 Mbps Tri-Band Wi-Fi†
- Upgrade Your PC with Cutting-Edge Wi-Fi 7 Technology[§]
- Powerful High-Gain Antennas
- Wi-Fi 7 Multi-Link Operation
- Pre-Loaded Internal Driver
- Enhanced WPA3 Security[‡]

Wi-Fi 7



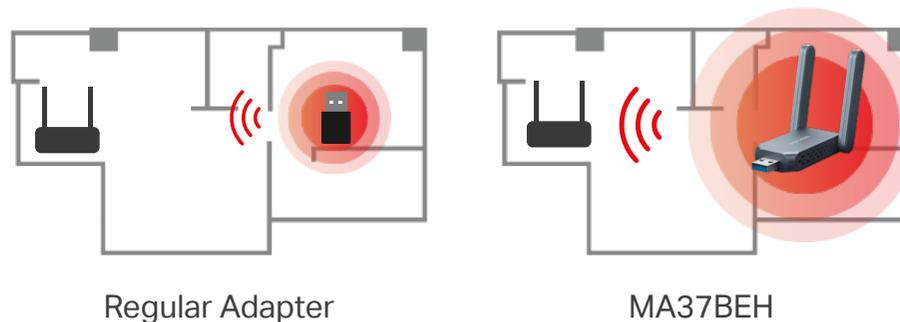
// Enjoy the Ultimate Speed of Wi-Fi 7

Enhanced by 4K-QAM and Multi-RUs, MA37BEH delivers astonishing transmission efficiency, facilitating instant multi-stream media playback and lightning-fast downloading.



// 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

2882 Mbps (6 GHz) +
2882 Mbps (5 GHz) +
688 Mbps (2.4 GHz) †

Wi-Fi Standards

IEEE 802.11 ax/be 6 GHz
IEEE 802.11a/n/ac/ax/be 5 GHz
IEEE 802.11b/g/n/ac/ax/be 2.4 GHz

Wireless Security

WPA/WPA2/WPA-PSK/
WPA2-PSK/WPA3-SAE

Reception Sensitivity

2G:
11n 20M MCS0: -94dBm
11be 40M MCS0: -91dBm
11be 40M MCS13: -56dBm
5G:
11n 20M MCS0: -91dBm
11be 40M MCS0: -88dBm
11be 80M MCS0: -85dBm
11be 80M MCS13: -51dBm
11be 160M MCS0: -82 dBm
11be 160M MCS13: -49dBm
6G:
11be 20M MCS0: -91dBm
11be 40M MCS0: -88dBm
11be 80M MCS0: -85dBm
11be 80M MCS13: -51dBm
11be 160M MCS0: -82dBm
11be 160M MCS13: -49dBm

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

BE6500 Wi-Fi 7 High Gain Wireless USB Adapter (MA37BEH)
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 802.11 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 MERCUSYS website.

§Use of Wi-Fi 7(802.11be), Wi-Fi 6E/6(802.11ax), and features including 4K-QAM, Multi-RUs, 160 MHz, OFDMA, and MU-MIMO 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/ma37beh/>

**The Wi-Fi 7 standard requires the use of the WPA3 encryption.