AC1300 High Gain Wireless Dual Band USB Adapter
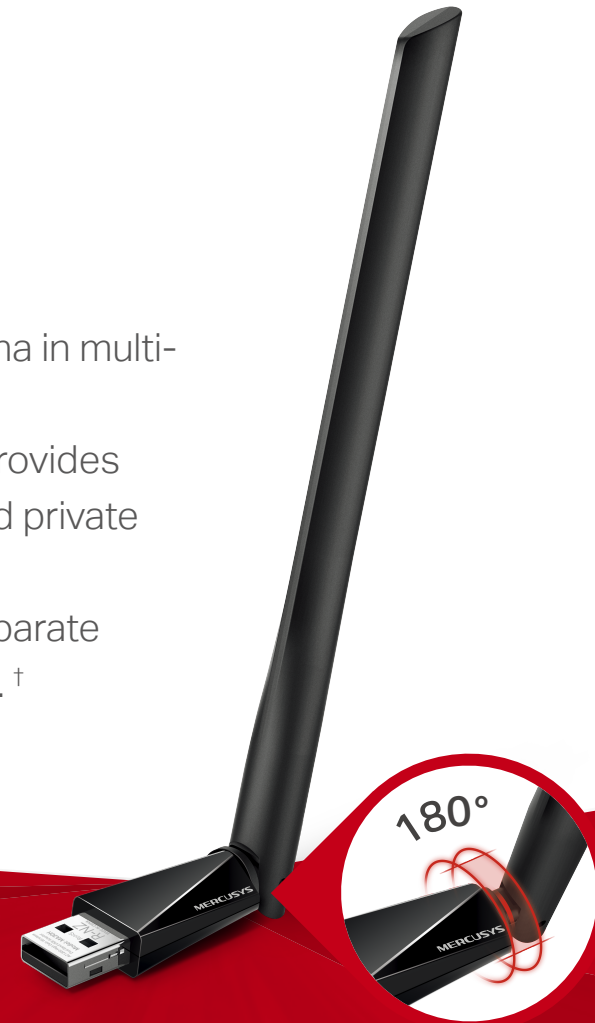
Model: MA30H

// Highlights

Adjustable Multi-Directional Antenna — Rotate and adjust the antenna in multiple directions to improve the user experience in various situations.
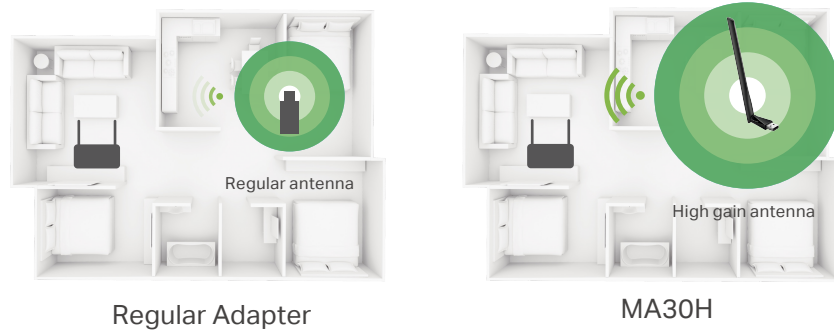
Overall Security Protection — The latest security standard, WPA3, provides improved comprehensive Wi-Fi protection to defend your devices and private information against brute-force attacks. ‡

AC1300 Dual Band Wi-Fi — MA30H receives Wi-Fi signals on two separate bands and has a speed up to 867 Mbps (5 GHz)+ 400 Mbps (2.4 GHz). †
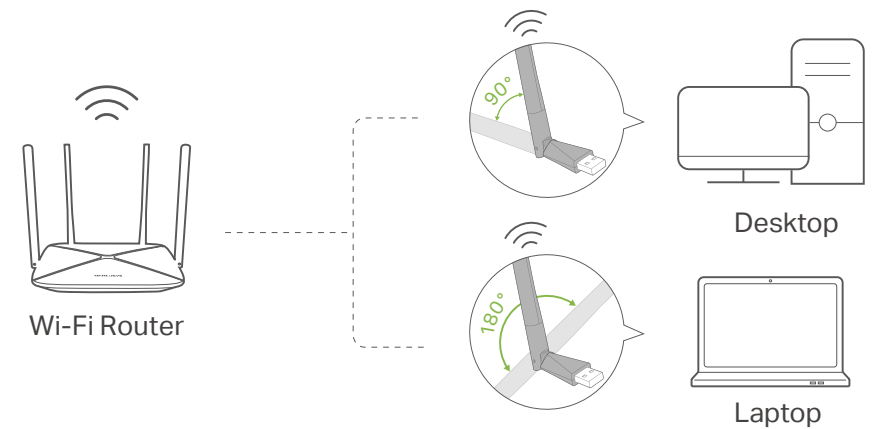
180°

MERCUSYS®

Boost Wireless Range with High Gain Antenna

A high gain antenna reaches your router from farther with more precise directional range, sustaining faster and more stable wireless connections.

Regular antenna

High gain antenna

Regular Adapter

MA30H

Adjustable Multi-Directional Antenna

Rotate and adjust the antenna in multiple directions to improve the user experience in various situations.

90°

180°

Wi-Fi Router

Desktop

Laptop

// Specifications

Physical Specifications

Interface
USB 2.0

Dimensions (W x D x H)
2.28 × 0.66 × 6.83 in.
(57.8 × 16.8 × 173.4 mm)

Antenna
1 External High Gain 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/WPA2, WPA-PSK/
WPA2-PSK/WPA3-SAE

Wireless Function
Enable/Disable Wireless Radio

Signal Rate
• Up to 867 Mbps on 5 GHz
• Up to 400 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

1. AC1300 High Gain Wireless Dual Band USB Adapter (MA30H)
2. 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 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.