

# AC1300 High Gain Wireless Dual Band USB Adapter

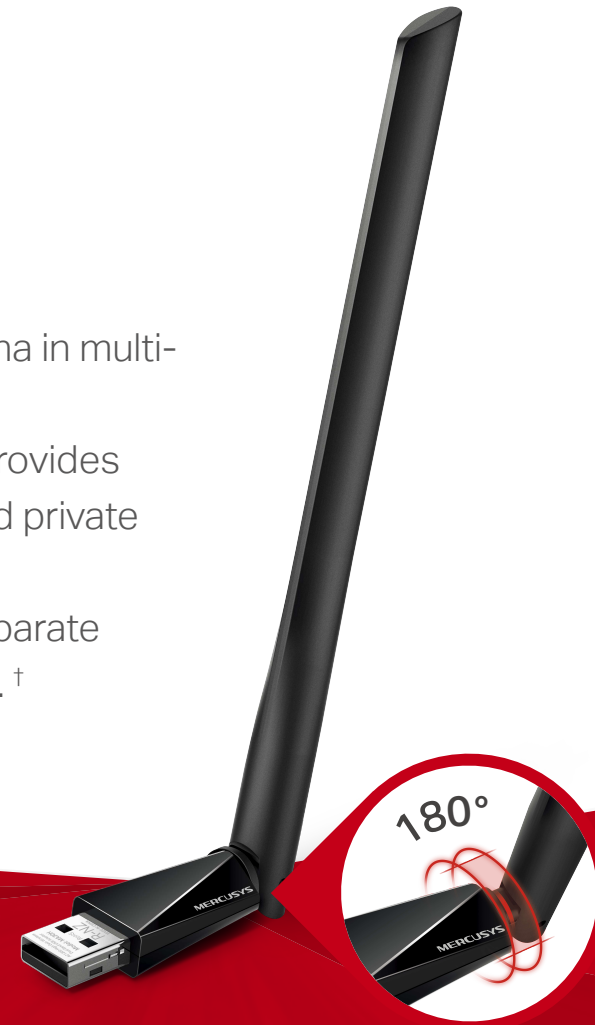
Model: MA30H

## // Highlights

**Adjustable Multi-Directional Antenna** — Rotate and adjust the antenna in multiple directions to improve the user experience in various situations.

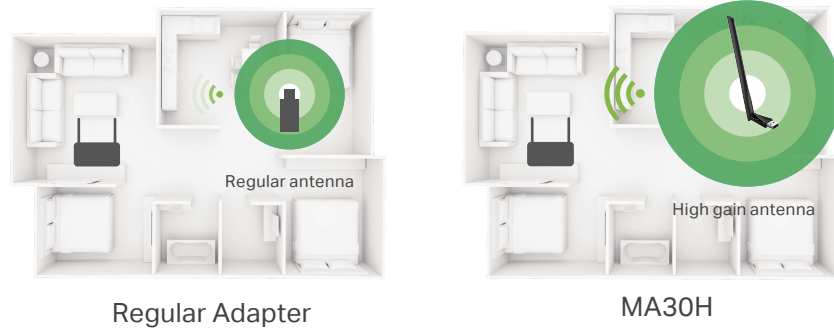
**Overall Security Protection** — The latest security standard, WPA3, provides improved comprehensive Wi-Fi protection to defend your devices and private information against brute-force attacks. †

**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). †



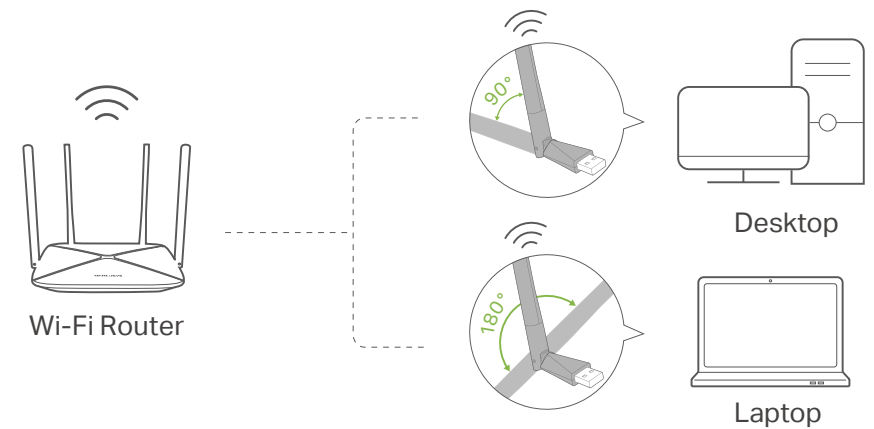
## // Boost Wireless Range with High Gain Antenna

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



## // Adjustable Multi-Directional Antenna

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



## // Specifications

### Physical Specifications

Interface	Dimensions (W x D x H)	Antenna
USB 2.0	2.28 × 0.66 × 6.83 in. (57.8 × 16.8 × 173.4 mm)	1 External High Gain Antenna

### Wireless Specifications

Wireless Standards	EIRP	Wireless Security	Wireless Function
IEEE 802.11b/g/n 2.4 GHz IEEE 802.11a/n/ac 5 GHz	<20dBm (EIRP)	WPA/WPA2, WPA-PSK/ WPA2-PSK/WPA3-SAE	Enable/Disable Wireless Radio
Signal Rate	Reception Sensitivity		
<ul style="list-style-type: none"> <li>• Up to 867 Mbps on 5 GHz</li> <li>• Up to 400 Mbps on 2.4 GHz</li> </ul>	2 GHz: <ul style="list-style-type: none"> <li>• 11G 6M: -95.5 dBm</li> <li>• 11G 54M: -79 dBm</li> <li>• 11N HT20 MCS7: -76 dBm</li> <li>• 11N HT40 MCS7: -74 dBm</li> </ul>	5 GHz: <ul style="list-style-type: none"> <li>• 11A 6M: -95 dBm</li> <li>• 11A 54M: -78 dBm</li> <li>• 11AC VHT20 MCS8: -72 dBm</li> <li>• 11AC VHT40 MCS9: -68.5 dBm</li> <li>• 11AC VHT80 MCS9: -64.5 dBm</li> </ul>	

## // Package Contents

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

For more information, please visit [www.mercusys.com](http://www.mercusys.com).

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<sup>†</sup>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.

<sup>‡</sup>Use of WPA3 requires Aps to also support the corresponding feature.

<sup>\*</sup>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>.