AC1200 Wi-Fi Bluetooth 5.0 PCIe Adapter

Model: MA30E

Highlights

- 867 Mbps + 300 Mbps Dual Band Wi-Fi[†]

- Bluetooth 5.0 Supported*

- High-Performance Fixed Antennas

- Enhanced WPA3 Security[§]

- Simultaneously serve several devices with no more latency or bandwidth congestion[‡]

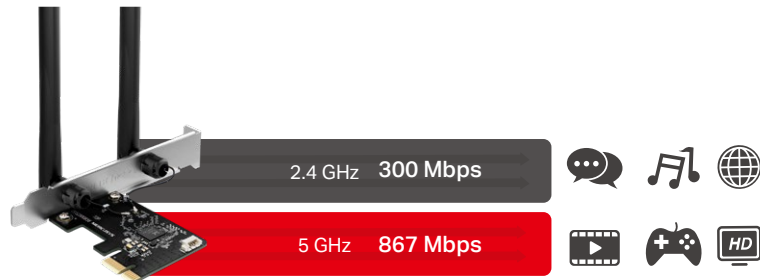- Supported operating system: Windows 10, 11 (64 bit)

Please note: MA30E is not compatible with the low-profile bracket because of the fixed antennas.

Features

AC1200 Dual Band Wi-Fi for Lag-free Work and Entertainment

The MA30E connects devices on both 2.4 GHz and 5 GHz bands simultaneously, offering a superior lag-free experience for work and play. Combining 300 Mbps 2.4 GHz (perfect for surfing and emailing) and 867 Mbps 5 GHz (ideal for HD streaming and gaming), you have the flexibility to allocate your devices to dedicated networks to do more at the same time.[†]

2.4 GHz 300 Mbps

5 GHz 867 Mbps

Bluetooth 5.0 Supported

MA30E makes your PC Bluetooth-capable with ultra-fast Bluetooth 5.0 which achieves more stable connection, farther range and faster transmission speeds than Bluetooth 4.2. Just connect your Bluetooth devices to your computer and enjoy with ease.[*]
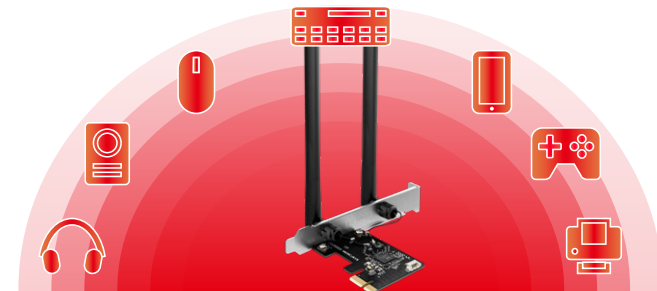
Boost Wireless Range

Two high-performance antennas reach your router from farther away with more precise directional range, sustaining faster and more stable wireless connections.

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.[§]

Specifications

Wireless

Wireless Standards
IEEE 802.11b/g/n 2.4 GHz
IEEE 802.11a/n/ac 5 GHz

Signal Rate
5 GHz:
11ac: Up to 867 Mbps(dynamic)
11n: Up to 300 Mbps(dynamic)
11a: Up to 54 Mbps(dynamic)
2.4 GHz:
11n: Up to 300 Mbps(dynamic)
11g: Up to 54 Mbps(dynamic)
11b: Up to 11 Mbps(dynamic)

EIRP
5 GHz: 21.5dBm(FCC) / 23dBm(CE) (EIRP)
2.4 GHz : 20.5dBm(FCC) / 20dBm(CE) (EIRP)

Reception Sensitivity
5 GHz:
11ac HT80: -59.0dBm
11n HT40: -68.5dBm
11a 54Mbps: -73.5dBm
11a 6Mbps: -91dBm

2.4 GHz:
11n HT40: -69.5dBm
11g 54Mbps: -74dBm
11b 11Mbps: -87dBm

Specifications

Hardware

Antennas

2× Fixed High-Performance
Omni-Directional Antennas

Dimensions

226.3 × 120.8 × 21.5 mm

(8.9 × 4.8 × 0.85 in)

Software

Working Mode

Infrastructure mode

Wireless Security

WPA-PSK/WPA2-PSK/WPA3-SAE[§]

Others

Environment

Operating Temperature: 0℃~40℃ (32°F~104°F)

Operating Humidity: 10%~90% Non-Condensing

Storage Humidity: 5%~90% Non-Condensing

Package Contents

AC1200 Wi-Fi Bluetooth 5.0 PCIe Adapter (MA30E)

Bluetooth Header Cable

Quick Installation Guide

Resource CD

Certification

FCC, CE, RoHS

System Requirements

Supported operating systems include Windows 10, 11(64-bit)[△]

Scan for more info

[†]Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage, and number of connected devices 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 MU-MIMO requires APs to also support the corresponding feature.

[§]Use of WPA3 requires APs to also support the corresponding feature.

[△]Functionality of MA30E may be restricted on some computing systems and platforms. Please try to update the device's driver for feature compatibility.

[*]Several new features are introduced in the Bluetooth Core Specification 5.0 Release, including 2× faster speed and 4× broader coverage compared with Bluetooth 4.2.