

REKONG MPE-AXE3000H

REKONG MPE-AXE3000H WiFi 6E Half Mini PCI-E Network Card Instruction Manual

1. PRODUCT OVERVIEW

The REKONG MPE-AXE3000H is a WiFi 6E Half Mini PCI-E network card designed to upgrade wireless connectivity in compatible laptops and PCs. It supports the latest 802.11ax standard, offering tri-band operation (2.4GHz, 5GHz, and 6GHz) and integrated Bluetooth 5.3 technology. This card provides enhanced speed, lower latency, and improved network efficiency for a superior wireless experience.

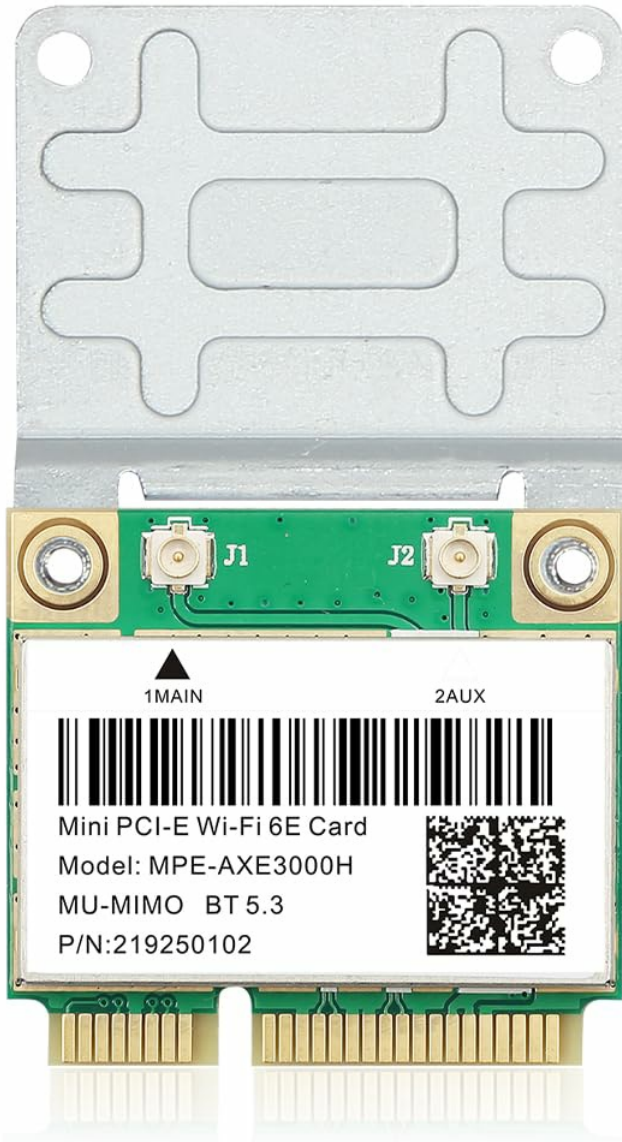


Image: The REKONG MPE-AXE3000H WiFi 6E Half Mini PCI-E Network Card, shown with included screwdriver and mounting screws.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- REKONG MPE-AXE3000H WiFi 6E Half Mini PCI-E Network Card
- Screwdriver
- Mounting Screws

Packing list



Image: Contents of the REKONG MPE-AXE3000H package, including the network card, screwdriver, and screws.

3. KEY FEATURES

- **WiFi 6E Tri-Band Connectivity:** Supports 2.4GHz, 5GHz, and 6GHz bands for optimal performance. The 6GHz band offers interference-free, ultra-low latency connections.
- **High Data Rates:** Achieves speeds up to 574Mbps on 2.4GHz, 2400Mbps on 5GHz, and 2400Mbps on 6GHz, totaling up to 5400Mbps.
- **160 MHz Channel Width:** Expands WiFi bandwidth from 80 MHz to 160 MHz, enabling faster connections and supporting high-bandwidth activities like 8K streaming and large file transfers.
- **Advanced Technologies:** Incorporates OFDMA and MU-MIMO for improved network efficiency and performance in multi-device environments.
- **Bluetooth 5.3:** Provides enhanced range (4x over BT4.2) and stable connections for Bluetooth devices such as headsets, speakers, keyboards, and mice.
- **Wi-Fi Miracast Support:** Allows wireless projection of content from your device to an HD screen.
- **vPro Technology Support:** Compatible with vPro-enabled processors and chipsets for hardware-based security and management features.
- **WPA3 Encryption:** Offers advanced security for your wireless network.

FASTER SPEED, BETTER COVERAGE FEWER INTERFERENCE

MPE-AXE3000H

Tri-Band 5374Mbps

BT5.3 | Win10/11

WiFi 6E



Image: The MPE-AXE3000H card highlighting benefits like faster speed, better coverage, and reduced interference.

Tri-Band 5374Mbps

Let your PC experience speeds faster than Wi-Fi 5 (AC) with 1024-QAM and a 160 MHz bandwidth that delivers powerful, continuous WiFi to keep your PC running at top speed.

6GHz 2400Mbps



5GHz 2400Mbps



2.4GHz 574Mbps



Image: Visual representation of the MPE-AXE3000H's tri-band capabilities and maximum speeds.

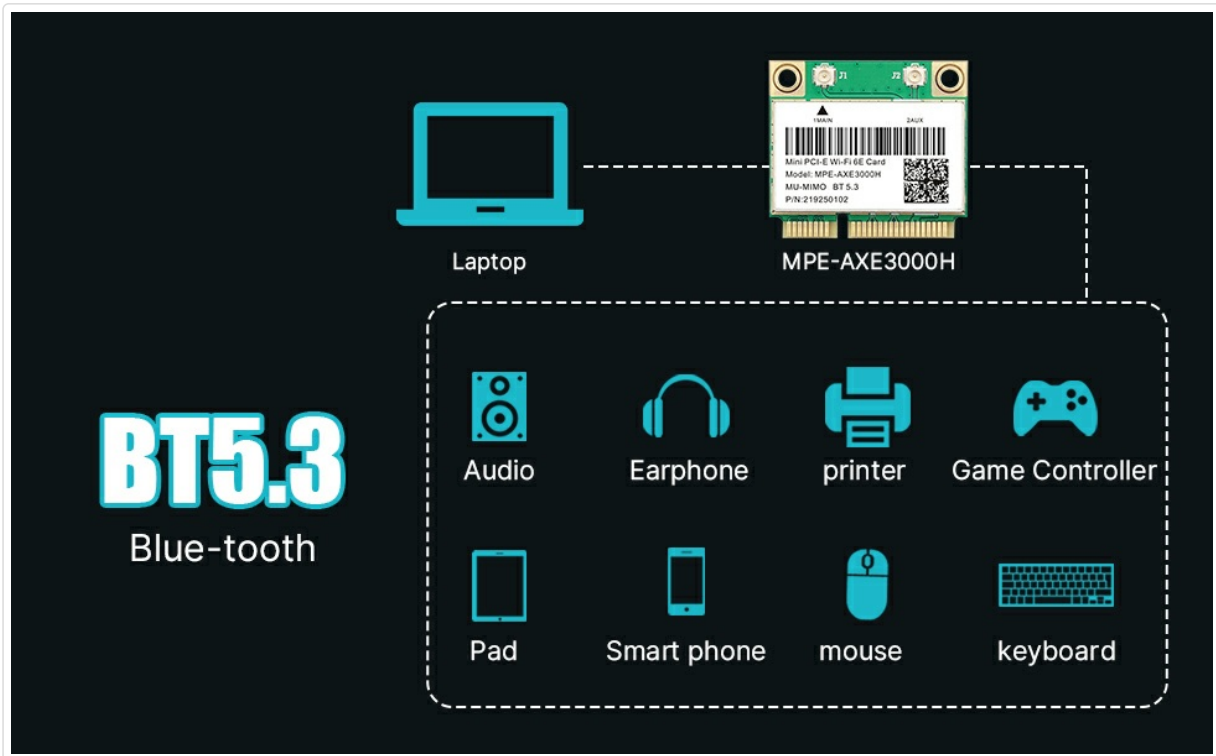


Image: The MPE-AXE3000H demonstrating Bluetooth 5.3 connectivity with headphones, speakers, phones, and tablets.

4. COMPATIBILITY

The REKONG MPE-AXE3000H is compatible with Windows 10/11 (64-bit operating systems only). It works with most computers featuring Mini PCI Express interfaces, including models from Samsung, Dell, Sony, ACER, ASUS, MSI, Clevo, Terransforce, and Hasee. Please note that it does not support all IBM, Thinkpad, Lenovo, or HP laptops.

This card is designed for Mini PCI-E slots and is not compatible with NGFF (M.2) interfaces (Key-A+E, Key-M, Key-E).

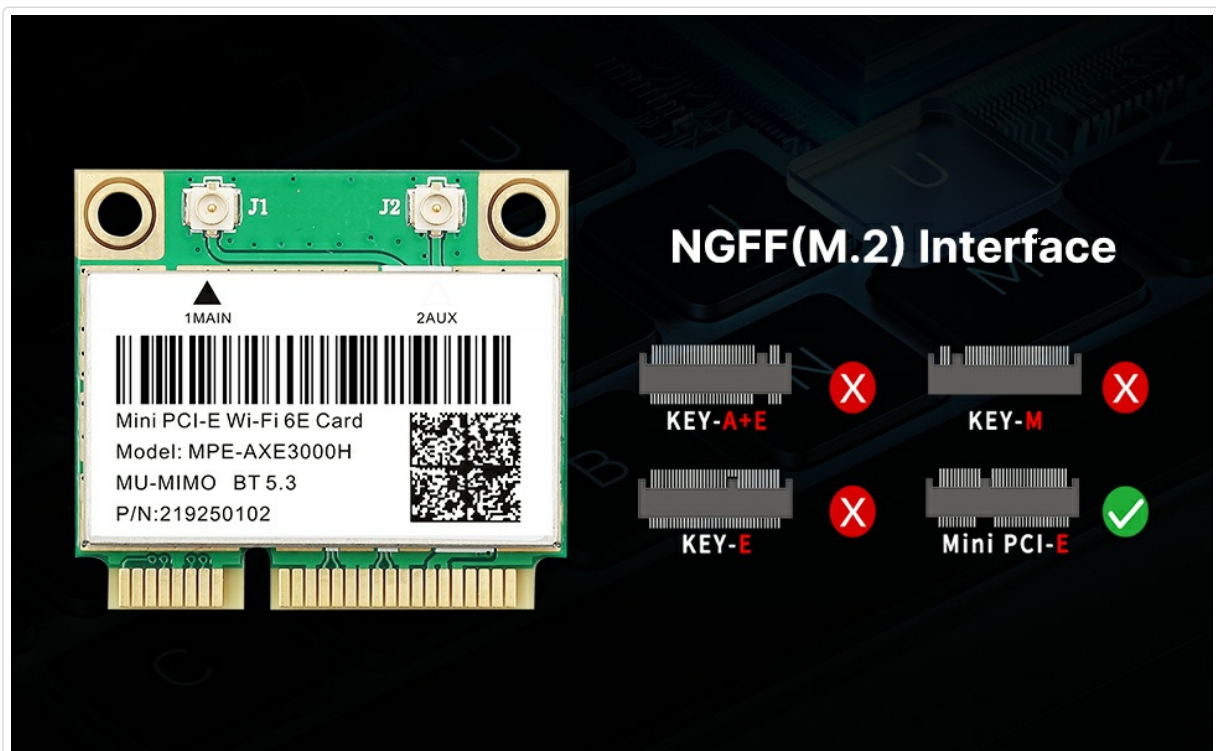


Image: Diagram illustrating the MPE-AXE3000H's compatibility with Mini PCI-E slots and incompatibility with M.2 interfaces.

5. INSTALLATION GUIDE

Before beginning installation, ensure your computer is powered off and disconnected from any power source. It is recommended to discharge any static electricity from your body before handling internal components.

1. Locate the Mini PCI-E slot in your laptop or PC. This usually requires opening the back panel of your device.
2. Carefully disconnect the existing antenna cables from the old wireless card, if present.
3. Unscrew and remove the old wireless card.
4. Insert the REKONG MPE-AXE3000H card into the Mini PCI-E slot at an angle, then gently press it down until it clicks into place.
5. Secure the card with the provided screw.
6. Reconnect the antenna cables to the corresponding connectors on the new card (J1 and J2, typically labeled MAIN and AUX).
7. Close the back panel of your device.



Image: Close-up of the MPE-AXE3000H card, indicating the antenna interfaces (J1, J2) and the Mini PCI-E interface.

Installation Video Guide

Your browser does not support the video tag.

Video: A short demonstration of installing the MPE-AXE3000H Mini PCI-E WiFi 6E Card into a laptop. This video provides a visual guide for the physical installation process.

6. DRIVER INSTALLATION

After physical installation, drivers are required for the card to function correctly. It is recommended to download the necessary drivers before installing the hardware, especially if you will not have internet access after installation.

1. For Windows 10/11 (64-bit), drivers can often be found on the Intel website's 'download center' by searching for the specific chipset (e.g., AX210 or similar, as this card is based on Intel technology).
2. Alternatively, visit the official REKONG website and search for 'MPE-AXE3000H' to find the latest drivers.
3. Install the downloaded drivers by following the on-screen instructions.
4. Restart your computer after driver installation is complete.

7. OPERATING INSTRUCTIONS

Wi-Fi Connectivity

1. Once drivers are installed and your computer has restarted, navigate to your operating system's network settings.
2. Select the desired Wi-Fi network (2.4GHz, 5GHz, or 6GHz) from the list of available networks.
3. Enter the network password if prompted and connect.
4. The card will automatically utilize the optimal band and technologies (OFDMA, MU-MIMO) supported by your router.

Bluetooth Connectivity

1. Enable Bluetooth in your computer's settings.
2. Put your Bluetooth device into pairing mode.
3. In your computer's Bluetooth settings, search for and select your device from the list of available devices.
4. Follow any on-screen prompts to complete the pairing process.

8. SPECIFICATIONS

Feature	Specification
---------	---------------

Brand	REKONG
Model	MPE-AXE3000H
Hardware Interface	Mini PCI-E, Bluetooth
Data Link Protocol	802.11AX (WiFi 6E), 802.11ac/a/b/g/n
Data Transfer Rate	Up to 5400 Mbps
Frequency Bands	2.4GHz, 5GHz, 6GHz
Bluetooth Version	BT5.3
Compatible OS	Windows 10/11 (64-bit)
Product Dimensions	5"L x 5"W x 0.8"H (approximate, based on packaging)
Item Weight	0.03 Kilograms

9. TROUBLESHOOTING

No Wi-Fi or Bluetooth connectivity after installation:

- **Check Driver Installation:** Ensure that the correct drivers for the MPE-AXE3000H have been downloaded and installed. Refer to Section 6 for driver installation instructions.
- **Verify Physical Connection:** Re-open your device and confirm that the card is securely seated in the Mini PCI-E slot and that the antenna cables are properly connected.
- **Compatibility Check:** Confirm that your laptop model is compatible with the MPE-AXE3000H card and that your operating system is Windows 10/11 (64-bit).
- **BIOS Settings:** In some cases, you may need to check your laptop's BIOS settings to ensure the Mini PCI-E slot is enabled or to disable any existing integrated wireless adapters.

Slow Wi-Fi speeds:

- **Router Compatibility:** Ensure you are using a Wi-Fi 6E compatible router to achieve the highest speeds.
- **Antenna Placement:** Verify that your laptop's internal antennas are correctly positioned and not obstructed.
- **Interference:** Minimize interference from other electronic devices or crowded Wi-Fi channels.
- **Driver Update:** Ensure your drivers are up-to-date.

Bluetooth device connection issues:

- **Re-pair Device:** Remove the Bluetooth device from your computer's paired devices list and attempt to pair it again.
- **Device Proximity:** Ensure the Bluetooth device is within range of your computer.
- **Driver Update:** Update your Bluetooth drivers.

10. WARRANTY AND SUPPORT

The REKONG MPE-AXE3000H comes with a one-year warranty.

For technical assistance, driver support, or warranty claims, please contact the seller's customer service directly. Refer to your purchase documentation for specific contact details.