

OKN PCE-AX210

OKN WiFi 6E AX5400 PCIe WiFi Card (Intel AX210) Instruction Manual

Model: PCE-AX210 | Brand: OKN

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your OKN WiFi 6E AX5400 PCIe WiFi Card. This adapter is designed to enhance your desktop PC's wireless connectivity with Wi-Fi 6E (802.11ax) and Bluetooth 5.3 capabilities, utilizing the Intel AX210 chipset.

Package Contents

- 1 x OKN AX210 PCIE WiFi 6E Card
- 1 x Low-Profile Bracket
- 2 x High Gain Antenna
- 1 x Bluetooth Header Cable
- 1 x Quick Installation Guide
- 1 x Resource CD





Image: The OKN WiFi 6E AX5400 PCIe WiFi Card with its two antennas.

2. SAFETY INFORMATION

Please read and follow these safety guidelines carefully to prevent damage to the product or personal injury:

- Always power off your computer and disconnect it from the power outlet before installing or removing any internal components.
- Discharge any static electricity from your body by touching a grounded metal object (e.g., the metal chassis of your computer) before handling the card.

- Handle the PCIe card by its edges to avoid touching the gold connectors or components.
- Ensure proper ventilation inside your computer case to prevent overheating.
- Keep the product away from moisture, dust, and extreme temperatures.

3. SETUP AND INSTALLATION

3.1 Physical Installation

1. **Prepare Your Computer:** Power off your computer completely and unplug the power cord. Open the computer case.
2. **Identify a PCIe Slot:** Locate an available PCIe x1 slot on your motherboard. While the card is compatible with PCIe x1, x4, x8, and x16 slots, a PCIe x1 slot is recommended for optimal compatibility.

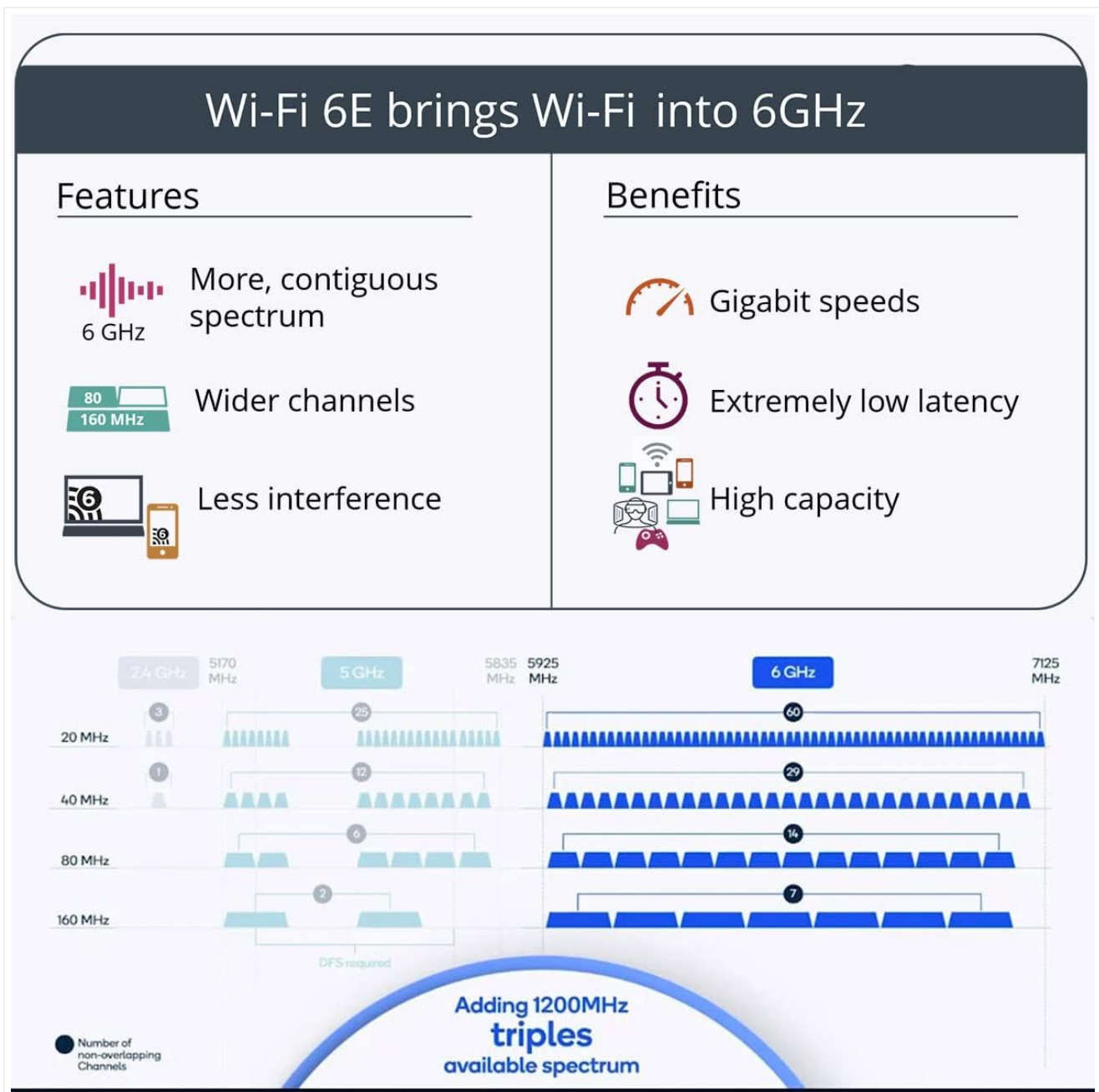
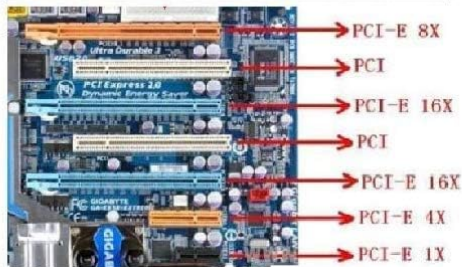
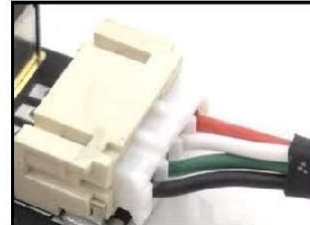


Image: Illustration of different PCIe slots on a motherboard, highlighting the PCIe x1 slot.

3. **Connect Bluetooth Cable:** Connect the included Bluetooth header cable to the 9-pin USB slot on the PCIe card and then to an available 9-pin USB header on your motherboard. This connection is essential for Bluetooth functionality.



1. Power off the computer, open the case, find one available PCIE slot



2. Install the Wi-Fi 6 Adapter, and connect Bluetooth USB cable.



3. Install the antennas, adjust the angle accordingly for better signal. Enjoy!

Notice

- 1. Available USB connector on the Motherboard required for Bluetooth.**
- 2. PCIe X1 has the best compatibility.**
- 3. Support for windows10 64-bit only**
- 4. Intel has the best compatibility, the newer AMD also does**

Image: Detailed view of connecting the Bluetooth USB cable to the PCIe card and motherboard header.

- 4. Insert the PCIe Card:** Carefully insert the PCIe WiFi card into the chosen PCIe slot. Press down firmly until it is securely seated.
- 5. Secure the Card:** Use the provided screw to fix the PCIe card to the computer case. If you have a small form factor PC, use the included low-profile bracket.
- 6. Attach Antennas:** Screw the two high-gain antennas onto the connectors on the back of the PCIe card. Adjust their direction for optimal signal reception.

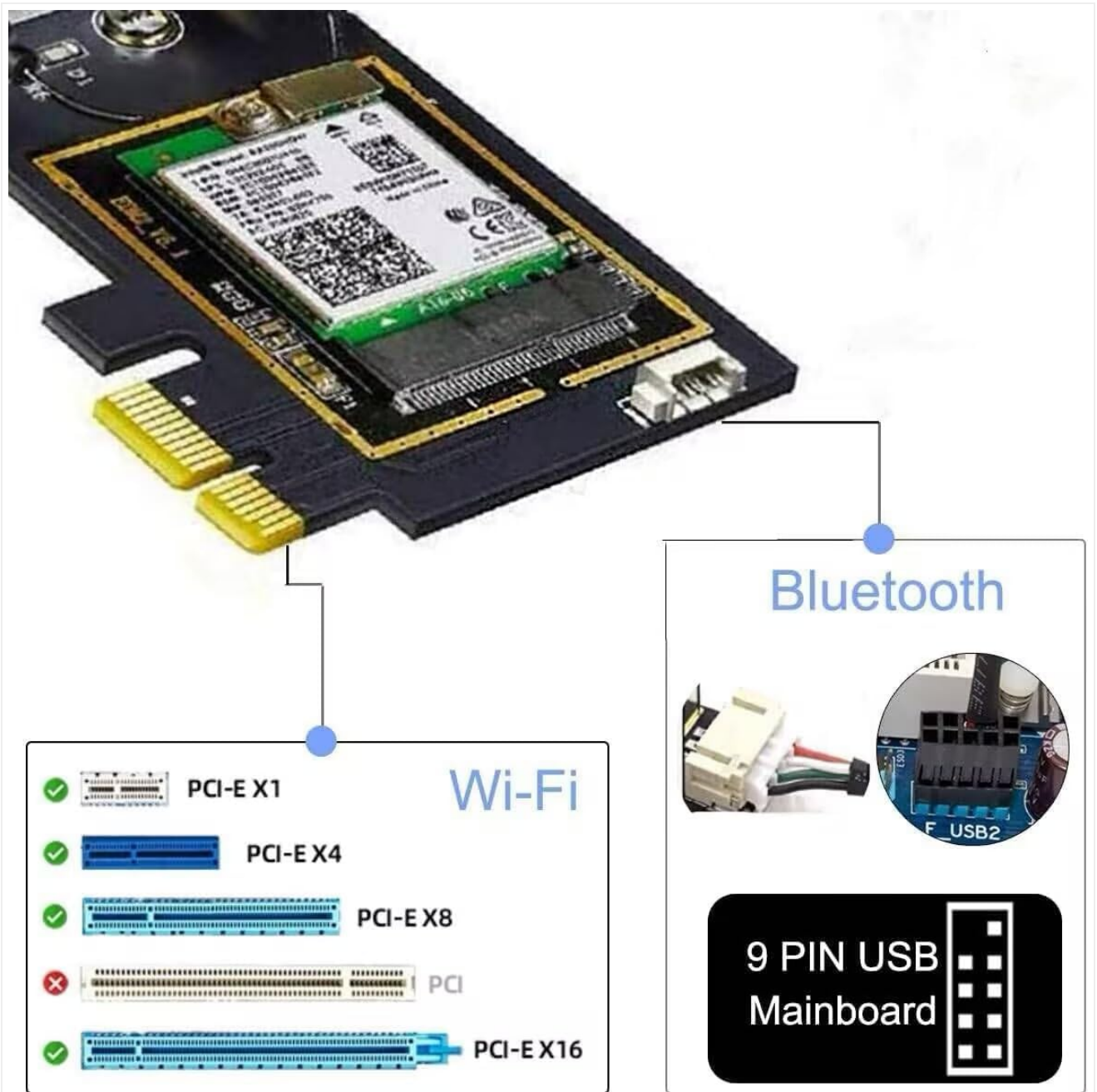


Image: The two high-gain antennas connected to the installed PCIe card.

7. **Close Case and Power On:** Close your computer case and reconnect the power cord. Power on your computer.

3.2 Driver Installation

After physical installation, you will need to install the necessary drivers for the Wi-Fi and Bluetooth functions. It is highly recommended to download the latest drivers directly from the Intel website for the AX210 chipset.

1. **Download Drivers:** Visit the official Intel website and search for "AX210 drivers". Download the latest Wi-Fi and Bluetooth drivers compatible with your operating system (Windows 10/11 64-bit).
2. **Install Wi-Fi Driver:** Run the downloaded Wi-Fi driver installer and follow the on-screen instructions.
3. **Install Bluetooth Driver:** Run the downloaded Bluetooth driver installer and follow the on-screen instructions.
4. **Verify Installation:** Open Device Manager (search for "Device Manager" in Windows search). Expand "Network adapters" and "Bluetooth". You should see "Intel(R) Wi-Fi 6E AX210 160MHz" under Network adapters and "Intel(R) Wireless Bluetooth(R)" under Bluetooth.

Your browser does not support the video tag. This video demonstrates the physical installation process of the OKN PCIe WiFi Card.

Helpful Video: OKN WiFi 6 2400Mbps PCIE Adapter Driver Installation

Your browser does not support the video tag. This video provides a step-by-step guide for installing the drivers for the OKN PCIe WiFi Adapter.

4. OPERATING INSTRUCTIONS

4.1 Connecting to Wi-Fi

1. Once drivers are installed, click on the Wi-Fi icon in your Windows taskbar.
2. Select your desired Wi-Fi network (2.4GHz, 5GHz, or 6GHz band).
3. Enter the network security key (password) if prompted.
4. Your computer should now be connected to the Wi-Fi network.

4.2 Bluetooth Pairing

1. Go to Windows Settings > Devices > Bluetooth & other devices.
2. Ensure Bluetooth is turned On.
3. Click "Add Bluetooth or other device" and select "Bluetooth".
4. Put your Bluetooth device into pairing mode.
5. Select your device from the list and follow any on-screen prompts to complete pairing.

Performance Demonstration: OKN WiFi 6 Speed Test

Your browser does not support the video tag. This video demonstrates a speed test of the OKN WiFi 6 adapter, showcasing its performance.

5. TROUBLESHOOTING

- **No Wi-Fi or Bluetooth after installation:** Ensure the Bluetooth header cable is correctly connected to both the PCIe card and the motherboard's 9-pin USB header. Verify that the card is fully seated in the PCIe slot.
- **"Network Controller" with a warning in Device Manager:** This indicates missing or incorrect drivers. Download and install the latest Wi-Fi and Bluetooth drivers from the official Intel website for the AX210 chipset.
- **Poor Wi-Fi signal or slow speeds:** Adjust the position and angle of the external antennas to optimize signal reception. Ensure your router is Wi-Fi 6E compatible to fully utilize the 6GHz band.
- **Compatibility Issues:** This card supports Windows 10/11 (64-bit) operating systems. For 6GHz Wi-Fi, Windows 11 or a Windows 10 Dev version is required. The card is compatible with all PCIe standards, but a PCIe x1 slot is often recommended for best compatibility.
- **Bluetooth not working:** Confirm the Bluetooth header cable is securely connected. Check Device Manager for any issues with the Bluetooth device.

6. SPECIFICATIONS

Feature	Detail
Model Number	PCE-AX210
Chipset	Intel AX210
Wi-Fi Standard	WiFi 6E (802.11ax)
Data Transfer Rate	Up to 5400 Mbps (574Mbps @2.4GHz + 2400Mbps @5GHz + 2400Mbps @6GHz)
Bluetooth Version	Bluetooth 5.3
Frequency Bands	2.4GHz, 5GHz, 6GHz (Tri-Band)
Security	WPA3
Hardware Interface	PCI Express x1 (compatible with x4, x8, x16)
Compatible OS	Windows 10/11 (64-bit)
Antennas	2 x 5dBi External Multi-directional Antennas
Product Dimensions	4.72 x 3.15 x 0.79 inches
Item Weight	3.17 ounces (90 Grams)



Image: The Intel AX210 chipset, central to the card's performance.

7. MAINTENANCE

To ensure the longevity and optimal performance of your WiFi card:

- Periodically clean the inside of your computer case to prevent dust buildup on the card and other components, which can affect performance and lead to overheating.
- Ensure the antennas are securely attached and not obstructed.
- Keep drivers updated by regularly checking the Intel website for the latest versions.

8. WARRANTY AND SUPPORT

For warranty information, please refer to the product packaging or contact the manufacturer directly. For technical support or any questions regarding your OKN WiFi 6E AX5400 PCIe WiFi Card, please feel free to contact us via Amazon message.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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