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› Binardat WiFi7 Card BE200 PCIe WiFi Network Adapter User Manual

Binardat NAW7BE200

Binardat WiFi7 Card BE200 PCIe WiFi Network Adapter User Manual

Model: NAW7BE200 | Brand: Binardat

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Binardat WiFi7 Card BE200 PCIe WiFi Network Adapter. This high-performance adapter is designed to upgrade your desktop computer's wireless capabilities to the latest WiFi 7 standard, offering superior speed, stability, and efficiency. It integrates an Intel BE200NGW chipset, providing Tri-Band WiFi (2.4GHz, 5GHz, 6GHz) with speeds up to 8774Mbps and Bluetooth 5.4 connectivity.



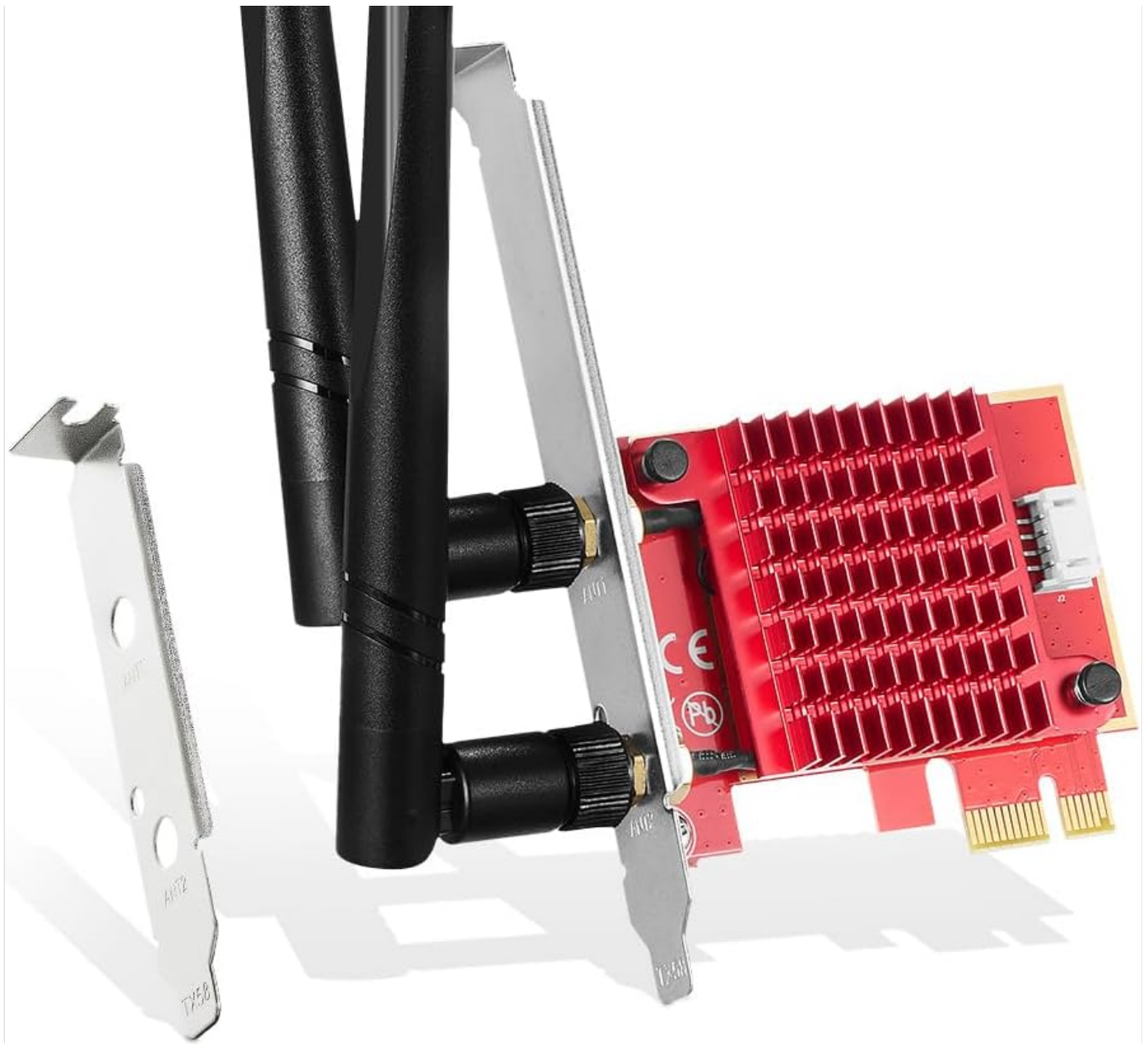


Image 1: Binardat WiFi7 Card BE200 PCIe WiFi Network Adapter with antennas.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Binardat WiFi7 Card BE200 PCIe WiFi Network Adapter
- 2x 5dBi Omni-directional Antennas
- Low-Profile Bracket (for small form factor PCs)
- Bluetooth USB Cable
- Driver CD (drivers can also be downloaded from the manufacturer's website)

WiFi 7 BE200 Bluetooth 5.4 Tri Band PCIE Wireless Adapter

Upgrade your Devices to a Wi-Fi 7 Network

Chipset: Intel BE200

Model: NAW7BE200

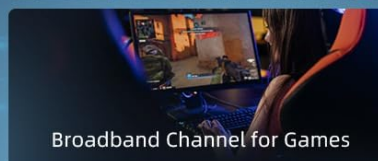
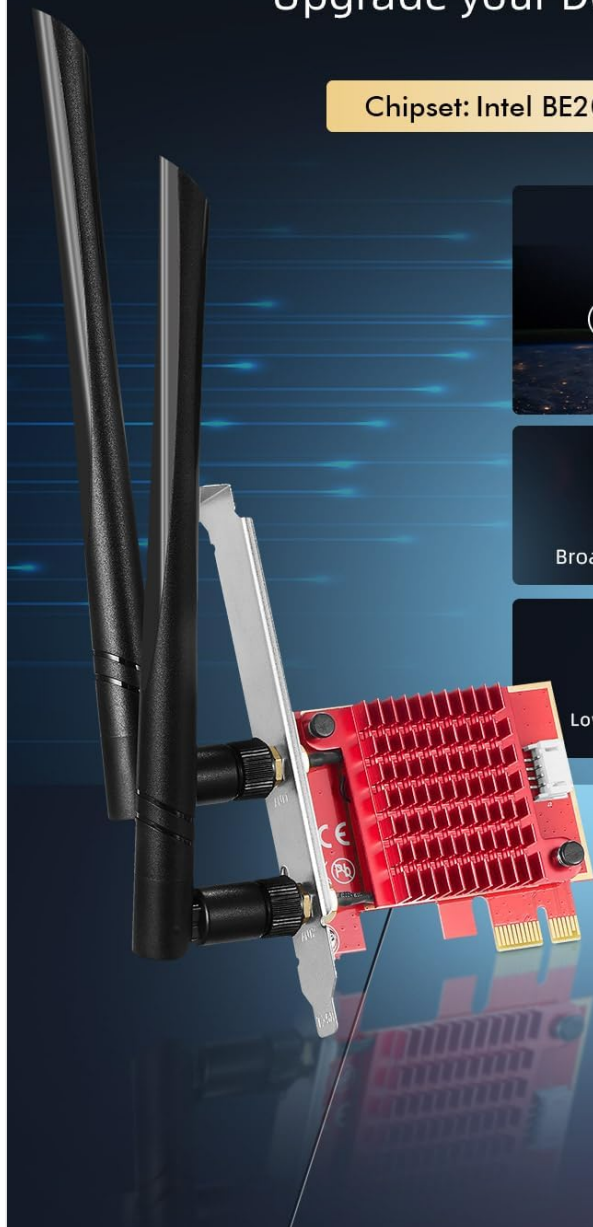


Image 2: The Binardat WiFi7 Card BE200 and its included accessories.

3. PRODUCT OVERVIEW

The Binardat WiFi7 Card BE200 is engineered to deliver cutting-edge wireless performance for your desktop PC. Key features include:

- **WiFi 7 (802.11be) Standard:** Equipped with the Intel BE200NGW chipset, supporting the latest WiFi 7 standard for enhanced speed and efficiency. It is backward compatible with IEEE 802.11a/b/g/n/ac/ax (WiFi 6E/WiFi 6/WiFi 5).
- **Tri-Band Connectivity:** Offers combined speeds up to 8774 Mbps across three frequency bands: 574Mbps on 2.4GHz, 2400Mbps on 5GHz, and 5800Mbps on the 6GHz band.
- **6GHz Band Advantage:** Utilizes the less congested 6GHz spectrum with 320MHz wider channels for higher data throughput, ideal for demanding applications like 8K HD video streaming, NAS, and gaming.
- **Bluetooth 5.4:** Features the latest Bluetooth technology for faster transfer speeds, improved connection stability, and lower power consumption compared to previous versions. Connect game controllers, speakers, earphones, and keyboards seamlessly.

- **OFDMA & MU-MIMO:** These technologies minimize lag, reduce power consumption, and improve signal gain by allowing multiple users to be served simultaneously, ensuring smooth performance on busy networks.
- **Broad Compatibility:** Designed with a PCIe X1 interface, compatible with PCIe slots X1, X4, X8, and X16. Supports Windows 10/11 (64-bit) and Linux OS (Kernel 5.10+).
- **Enhanced Signal:** Includes two 5dBi omni-directional external antennas to reduce dead zones and provide a more reliable signal strength.
- **Advanced Security:** Supports WPA3 encryption for a more secure wireless network.

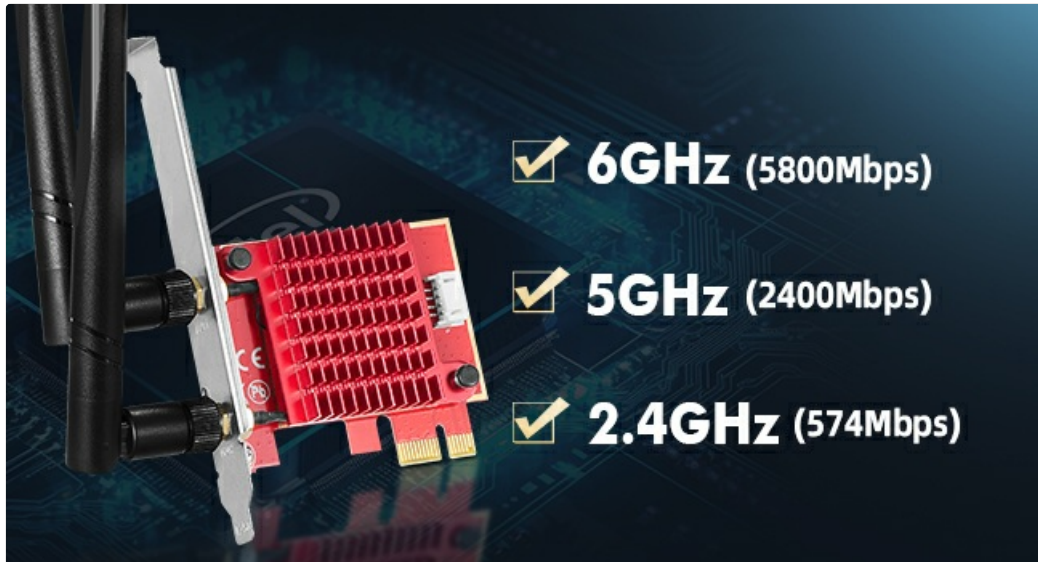


Image 3: Tri-band speed capabilities of the WiFi7 BE200 adapter.

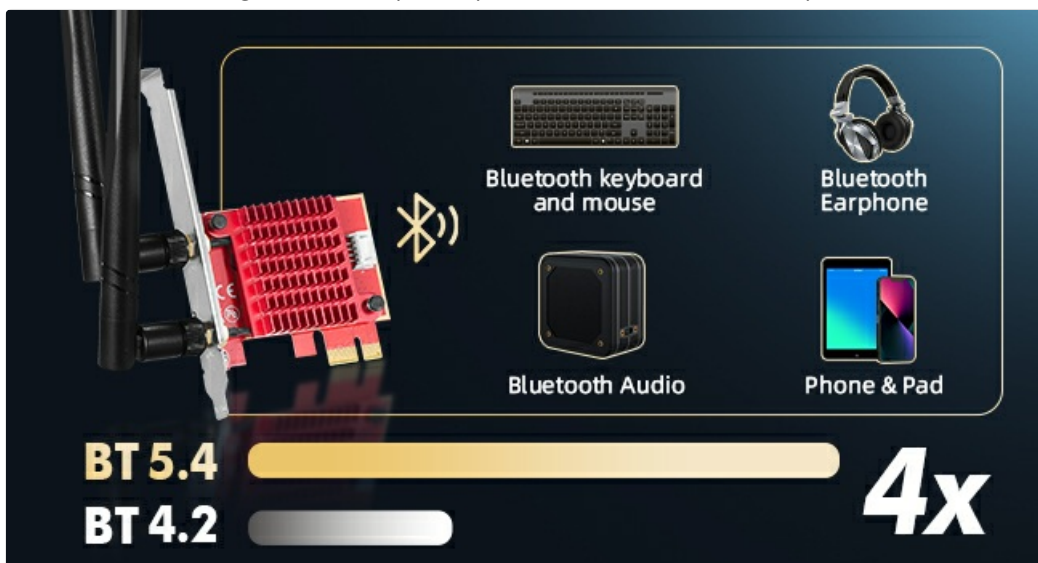


Image 4: Bluetooth 5.4 offers faster speeds and broader coverage.

4. SETUP

4.1 Physical Installation

1. **Power Off:** Completely shut down your computer and disconnect the power cable from the wall outlet.
2. **Open Case:** Open your computer's side panel to access the motherboard.
3. **Locate PCIe Slot:** Identify an available PCIe X1, X4, X8, or X16 slot on your motherboard.
4. **Install Card:** Carefully insert the WiFi7 card into the chosen PCIe slot until it is firmly seated. If necessary, replace the standard bracket with the included low-profile bracket for smaller cases.
5. **Connect Bluetooth Cable:** Connect one end of the provided Bluetooth USB cable to the 9-pin header on the WiFi7 card and the other end to an available USB 2.0 header on your motherboard. This connection is essential for

Bluetooth functionality.

6. **Attach Antennas:** Screw the two omni-directional antennas onto the connectors on the back of the WiFi7 card. Adjust their orientation for optimal signal reception.
7. **Close Case:** Securely close your computer's side panel and reconnect the power cable.

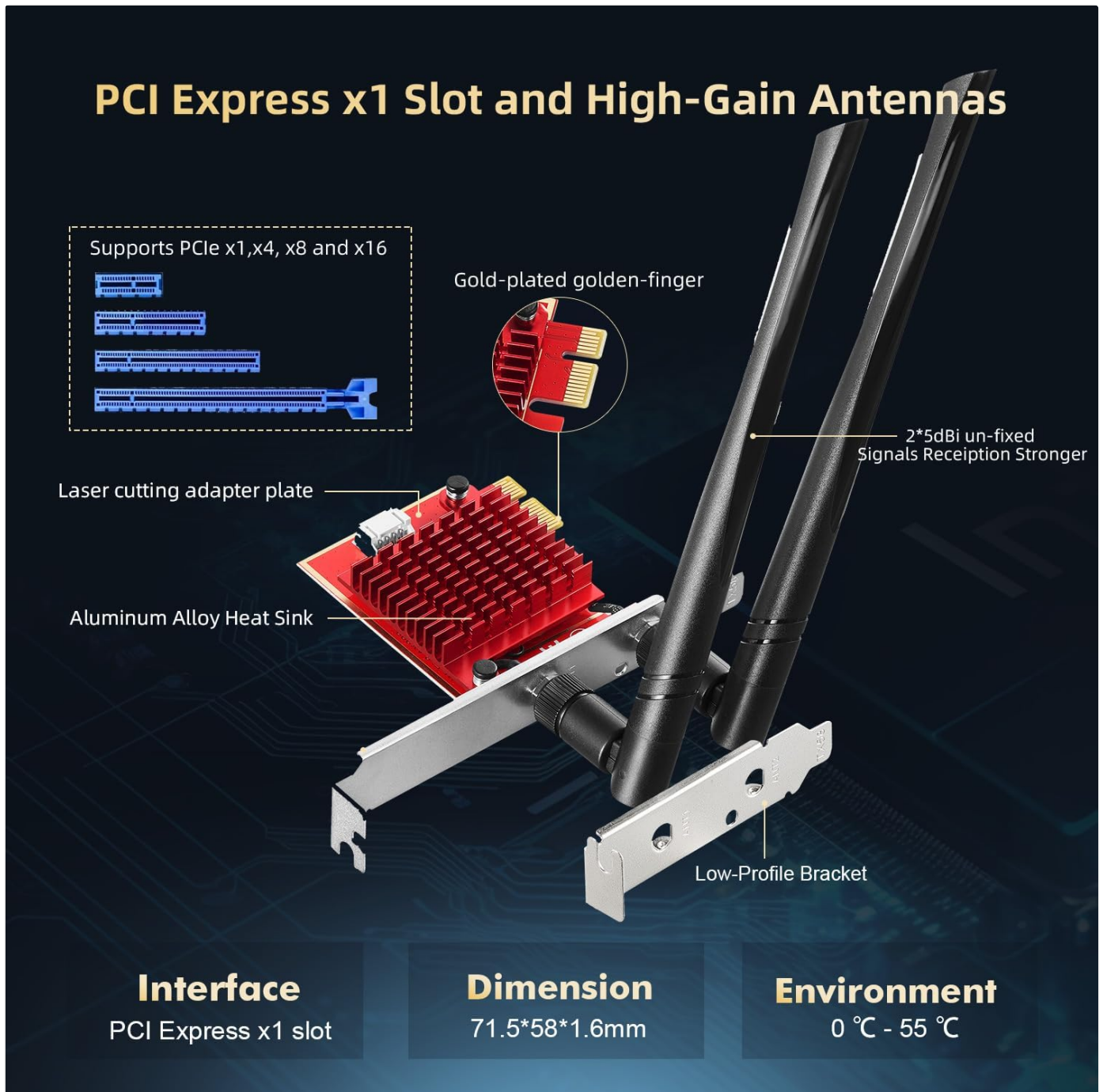


Image 5: The WiFi7 card with antennas and the Bluetooth USB cable connection point.

4.2 Driver Installation

After physical installation, you will need to install the drivers for the WiFi and Bluetooth functions.

1. **Boot Up:** Power on your computer.
2. **Obtain Drivers:** Insert the included driver CD into your optical drive, or download the latest drivers directly from the Binardat official website. It is recommended to use the latest drivers from the website for optimal performance and compatibility.
3. **Install Drivers:** Follow the on-screen instructions to install both the WiFi and Bluetooth drivers.
4. **Restart:** Restart your computer after the driver installation is complete.

Note: For full utilization of the 6GHz band, your operating system must be Windows 11 or an upgraded Windows 10 Dev version. This card supports Intel CPUs only and is not compatible with AMD CPUs.

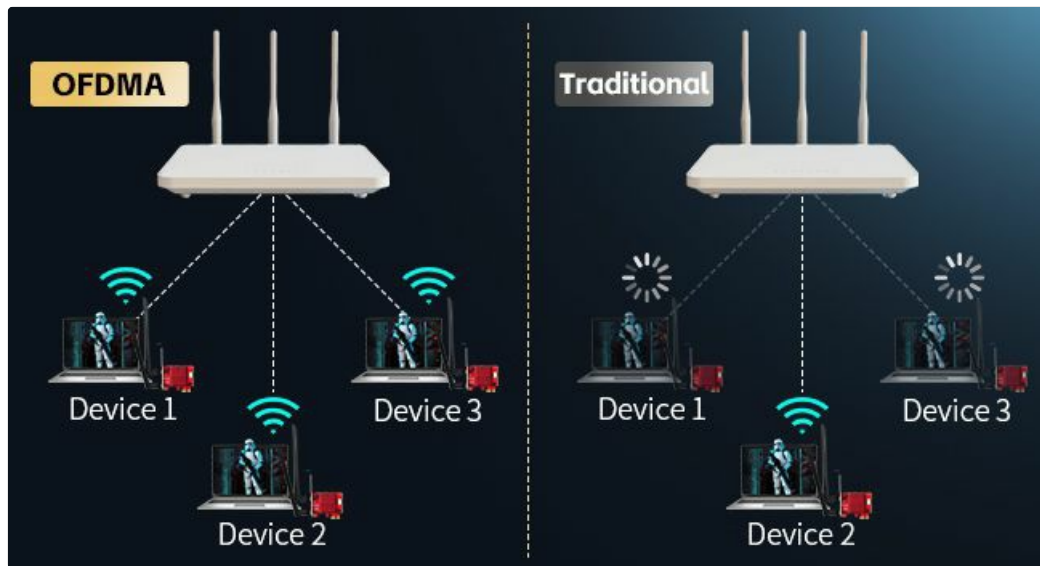


Image 6: The WiFi7 card supports Windows 10/11 (64-bit) and Linux (Kernel 5.10+).

5. OPERATING INSTRUCTIONS

5.1 Connecting to WiFi Networks

1. Ensure your WiFi router is powered on and broadcasting a signal.
2. On your computer, navigate to the network settings (e.g., Windows: Settings > Network & Internet > Wi-Fi).
3. Select your desired WiFi network (2.4GHz, 5GHz, or 6GHz band) from the list of available networks.
4. Enter the network password if prompted and click 'Connect'.

5.2 Pairing Bluetooth Devices

1. Ensure the Bluetooth USB cable is correctly connected to your motherboard.
2. On your computer, navigate to Bluetooth settings (e.g., Windows: Settings > Devices > Bluetooth & other devices).
3. Turn on Bluetooth.
4. Put your Bluetooth device (e.g., headphones, mouse, keyboard) into pairing mode.
5. Select 'Add Bluetooth or other device' on your computer and choose your device from the list.
6. Follow any on-screen prompts to complete the pairing process.

6. MAINTENANCE

To ensure optimal performance and longevity of your WiFi7 card:

- **Keep Drivers Updated:** Regularly check the Binardat website for the latest WiFi and Bluetooth drivers to ensure compatibility and performance improvements.
- **Antenna Placement:** Ensure the antennas are positioned optimally and are not obstructed by other objects for the best signal reception.
- **System Airflow:** Maintain good airflow within your PC case to prevent overheating of internal components, including the WiFi card.
- **Cleanliness:** Periodically clean dust from inside your PC case, especially around the PCIe slot and the WiFi card's heatsink, to prevent performance degradation.

7. TROUBLESHOOTING

- Card Not Recognized After Installation:**
If the card is not detected by your computer, power off the PC, disconnect the power, and carefully remove the card. Clean any dust from the PCIe slot and the card's gold-plated contacts. Re-insert the card firmly into the same slot or try a different available PCIe slot. Ensure the card is fully seated.
- Card Recognized but WiFi/Bluetooth Not Working:**
This often indicates a driver issue. Reinstall the latest drivers downloaded from the Binardat official website. Ensure you install both WiFi and Bluetooth drivers. Verify that the Bluetooth USB cable is securely connected to both the card and the motherboard.
- Poor WiFi Performance or Frequent Disconnections:**
Check antenna connections and orientation. Ensure they are screwed on tightly and positioned vertically for best signal. Verify that your router is functioning correctly and that there are no major obstructions between your PC and the router. Update your router's firmware if available.
- No 6GHz Band Option:**
Ensure your operating system is Windows 11 or an updated Windows 10 Dev version. Also, confirm that your WiFi router supports the 6GHz band (WiFi 6E or WiFi 7).
- Compatibility Issues:**
This WiFi7 card is designed for Intel CPUs only. It is not compatible with AMD CPUs.

8. SPECIFICATIONS

Feature	Specification
Brand	Binardat
Model Number	NAW7BE200
Hardware Interface	PCI Express x1 (Compatible with X1, X4, X8, X16 slots)
Color	Red
Compatible Devices	Desktop, Server, Workstation
Data Transfer Rate	8774 Mbps (Max)
Item Weight	0.09 kg
Manufacturer	Binardat
Operating System Support	Windows 10/11 (64-bit), Linux (Kernel 5.10+)
Bluetooth Version	5.4
WiFi Standard	IEEE 802.11be (WiFi 7), backward compatible with 802.11a/b/g/n/ac/ax

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Binardat WiFi7 Card BE200 PCIe WiFi Network Adapter comes with a **1-year limited warranty** from the date of

purchase. This warranty covers manufacturing defects and ensures the product functions as intended under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

9.2 Technical Support

For technical assistance, driver downloads, or warranty claims, please visit the official Binardat website or contact their customer support. Keep your purchase receipt or proof of purchase handy when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question