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> [EDUP EP-9651GS-R PCI-E WiFi 6 Network Card with Bluetooth 5.2 Instruction Manual](#)

EDUP EP-9651GS-R

EDUP EP-9651GS-R PCI-E WiFi 6 Network Card with Bluetooth 5.2 Instruction Manual

Model: EP-9651GS-R

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your EDUP EP-9651GS-R PCI-E WiFi 6 Network Card. This device is designed to enhance your desktop PC's wireless connectivity with Wi-Fi 6 (802.11ax) technology and Bluetooth 5.2 capabilities, compatible with Windows 10 and Windows 11 64-bit operating systems. Please read this manual carefully before installation to ensure proper setup and optimal performance.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.

- 1 x EDUP EP-9651GS-R PCI-E WiFi 6 Network Card
- 2 x 6dBi Dual Band Antennas
- 1 x Bluetooth 9-pin USB Cable
- 1 x Low-profile Bracket (for small form factor PCs)
- 1 x Screwdriver
- Mounting Screws
- 1 x Driver CD (or download instructions)

3. SETUP AND INSTALLATION

3.1 Hardware Installation

Follow these steps to install the network card into your desktop PC. Ensure your computer is powered off and unplugged before proceeding.

1. **Prepare your PC:** Power off your computer and unplug the power cord. Open the side panel of your PC case.
2. **Locate a PCI-E slot:** Identify an available PCI-E X1, X4, X8, or X16 slot on your motherboard. This card is not compatible with standard PCI slots.
3. **Insert the Network Card:** Carefully align the network card with the chosen PCI-E slot and press it firmly until it is securely seated.

4. **Connect the Bluetooth Cable:** Locate the 9-pin USB header (often labeled F_USB) on your motherboard. Connect the white end of the provided Bluetooth 9-pin USB cable to the corresponding port on the network card, and the other end to the 9-pin USB header on your motherboard. This connection is essential for Bluetooth functionality.

Greater Range and Speed with Bluetooth 5.1

2x speed **4x** Range **8x** Throughput

Bluetooth 5.1 achieves 2x faster speeds and 4x broader range than previous generations so you can connect your favorite devices



Image: The Bluetooth 9-pin USB cable connecting the EDUP WiFi 6 card to the motherboard's USB header.

5. **Secure the Card:** Use the provided screws to secure the network card's bracket to your PC case. If you have a small form factor PC, use the included low-profile bracket.
6. **Attach Antennas:** Screw the two 6dBi dual-band antennas onto the connectors at the back of the network card. Adjust their position for optimal signal reception.

Minimize Lag for Your PC

OFDMA and MU-MIMO reduce lag so you can enjoy ultra-responsive gaming or VR experience

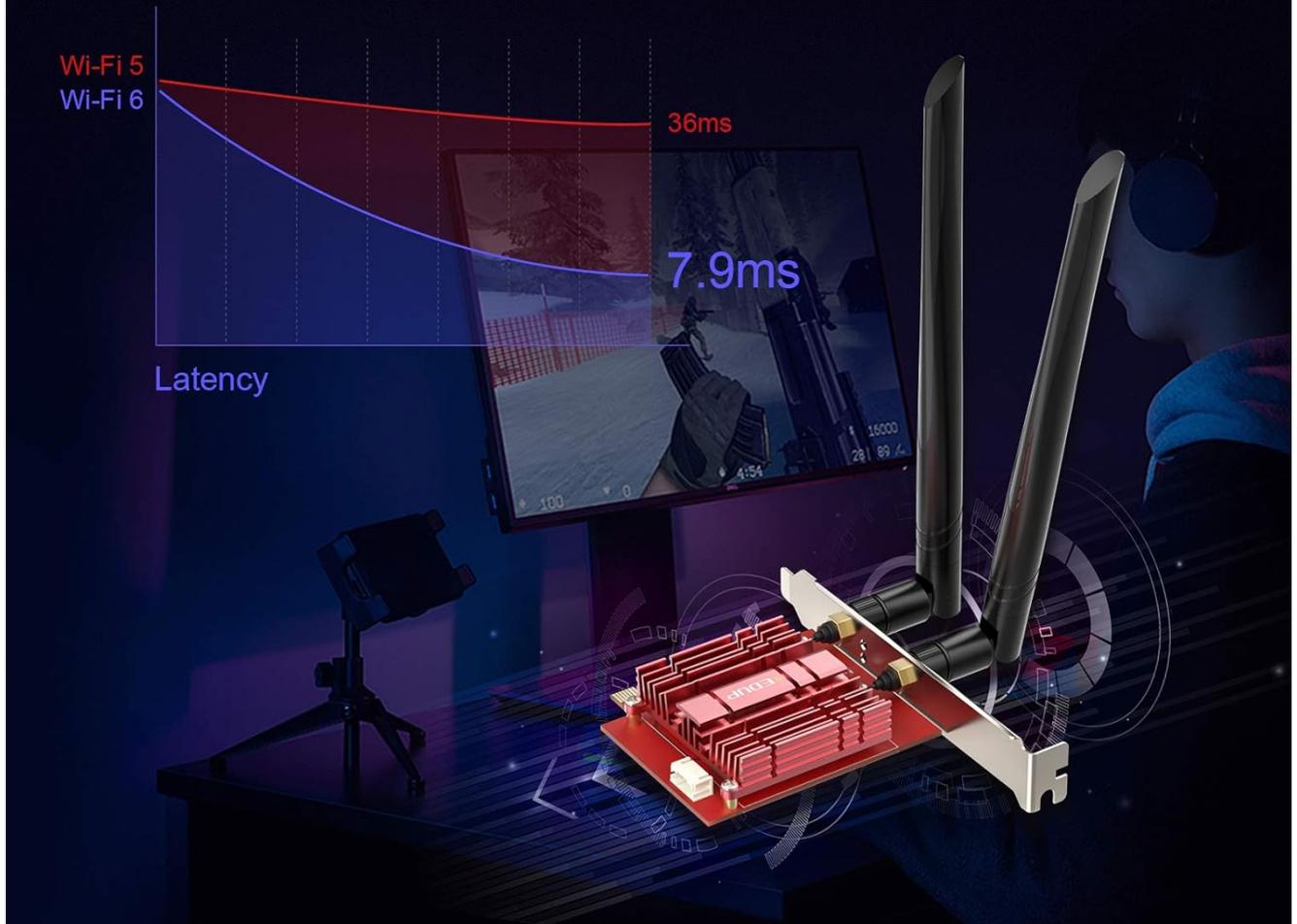


Image: The EDUP WiFi 6 network card with its two external antennas installed on the rear of a PC case.

7. **Close PC Case:** Replace the side panel of your PC case and reconnect the power cord.

3.2 Driver Installation

After hardware installation, you need to install the drivers for both Wi-Fi and Bluetooth functionality. This card is compatible with Windows 10/11 64-bit.

1. **Using the Driver CD:** Insert the provided driver CD into your optical drive and follow the on-screen instructions to install the Wi-Fi and Bluetooth drivers.
2. **Downloading Drivers:** If your PC does not have an optical drive or if you encounter issues with the CD, download the latest drivers from the official Intel website or the EDUP website (szedup.com). Search for drivers compatible with the Intel AX200 chipset.
3. **Installation Process:** Run the downloaded driver setup files. Follow the prompts, accepting the license agreements and completing the installation. A system restart may be required after installation.

4. OPERATING INSTRUCTIONS

4.1 Connecting to Wi-Fi

Once the drivers are installed, you can connect to a wireless network:

1. Click the Wi-Fi icon in the system tray (usually in the bottom-right corner of your screen).
2. Select your desired Wi-Fi network from the list.
3. Click "Connect" and enter the network security key (password) if prompted.
4. Your PC should now be connected to the Wi-Fi network.

4.2 Connecting Bluetooth Devices

To connect Bluetooth devices, ensure the Bluetooth 9-pin cable is correctly installed.

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.

5. SPECIFICATIONS

Feature	Description
Brand	EDUP
Model Number	EP-9651GS-R
Operating System	Windows 10/11 64-bit
Wireless Standard	IEEE 802.11ax/ac/b/g/n (Wi-Fi 6E)
Data Transfer Rate	Up to 5400Mbps (6GHz: 2400Mbps, 5.8GHz: 2400Mbps, 2.4GHz: 600Mbps)
Bluetooth Version	Bluetooth 5.2
Antennas	2 x 6dBi Dual Band Antennas
Hardware Interface	PCI-E X1, X4, X8, X16 (Not for PCI slot)
Dimensions (LxWxH)	8.66 x 5.12 x 1.46 inches
Item Weight	7.4 ounces

6. TROUBLESHOOTING

If you encounter issues with your EDUP network card, refer to the following common solutions:

- **No Wi-Fi or Bluetooth detected:**

- Ensure the card is securely seated in the PCI-E slot.
- Verify that the Bluetooth 9-pin USB cable is correctly connected to both the card and the motherboard.
- Check Device Manager in Windows to see if the Wi-Fi and Bluetooth adapters are recognized and have no error symbols.
- Reinstall the latest drivers from the Intel or EDUP website.

- **Poor Wi-Fi signal or slow speeds:**

- Adjust the position of the external antennas for better reception.
- Ensure your router supports Wi-Fi 6 (802.11ax) for optimal performance.
- Check for interference from other electronic devices.
- Update your router's firmware.

- **Bluetooth not working:**

- Confirm the Bluetooth 9-pin USB cable is connected. This cable is mandatory for Bluetooth functionality.
- Ensure Bluetooth is enabled in Windows settings.
- Reinstall the Bluetooth driver.

7. WARRANTY AND SUPPORT

EDUP provides a 3-year manufacturer replacement warranty for this product. Additionally, a 90-day no-questions-asked return policy is offered. For any assistance, technical support, or warranty claims, please contact us via Amazon message. We are committed to providing prompt and helpful service.

