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EDUP EP-8568-WG

EDUP USB 3.0 WiFi 6 AX1800Mbps Wireless Network Adapter User Manual

1. PRODUCT OVERVIEW

The EDUP USB 3.0 WiFi 6 AX1800Mbps Wireless Network Adapter is designed to provide high-speed wireless connectivity for desktop PCs and laptops. Utilizing the latest Wi-Fi 6 (IEEE 802.11ax) technology, it offers enhanced performance, lower latency, and improved network efficiency. This adapter supports dual-band operation (2.4GHz and 5GHz) and features a USB 3.0 interface for fast data transfer.



Image 1.1: The EDUP USB 3.0 WiFi 6 AX1800Mbps Wireless Network Adapter, illustrating its compact design and highlighting the speed advantages of WiFi 6 over WiFi 5 on both 5GHz and 2.4GHz bands.

2. KEY FEATURES

- **AX1800 WiFi 6 High-Speed Performance:** Delivers up to 1800Mbps wireless speed (574Mbps on 2.4GHz + 1201Mbps on 5GHz) for faster throughput and lower latency.
- **Dual-Band 2.4GHz & 5GHz:** Supports both frequency bands to reduce interference and provide stable connections.
- **USB 3.0 Interface:** Ensures high-speed data transmission and is backward compatible with USB 2.0.
- **Enhanced Signal Strength:** Integrated FEM (PA + LNA) and high-gain antennas improve signal reception and RF performance.
- **Plug & Play:** Built-in driver for Windows 11/10, eliminating the need for manual driver installation.
- **Advanced Security:** Supports WPA/WPA2 and WPA-PSK/WPA2-PSK (AES) for secure network connections.
- **MU-MIMO Technology:** Efficiently manages bandwidth for multiple devices simultaneously.



Image 2.1: Visual representation of the adapter's key features, including 1800Mbps speed, dual-band capability, rotating antennas, Wi-Fi hotspot function, and USB 3.0 interface.

AX1800
Fast as Lightning

5GHz **1200 Mbps**

2.4GHz **574 Mbps**

Take Pleasure in the Lightning-Fast Speeds of **WiFi 6**

MU-MIMO
your network efficiently manages bandwidth for multiple devices at once.

USB 3.0
Ultra-Fast Data Transfer Speeds

WPA3
State-of-the-Art Encryption Security

Windows 11/10/7 Compatible

Range Booster
High Gain Antennas +Beamforming

Image 2.2: An infographic detailing the AX1800 speeds, MU-MIMO technology, USB 3.0, WPA3 security, and range booster capabilities of the adapter.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1x EDUP USB 3.0 WiFi 6 AX1800Mbps Wireless Network Adapter (Model: EP-8568-WG)

4. SPECIFICATIONS

Feature	Description
Brand	EDUP
Model Number	EP-8568-WG
Hardware Interface	USB 3.0
Wireless Standard	IEEE 802.11ax (Wi-Fi 6)
Data Transfer Rate	Up to 1800Mbps (574Mbps on 2.4GHz, 1201Mbps on 5GHz)
Frequency Bands	2.4GHz, 5GHz
Compatible Devices	Desktop, Laptop
Operating System Compatibility	Windows 11/10 (32/64-bit)
Security Protocols	WPA/WPA2, WPA-PSK/WPA2-PSK (AES)
Color	Black



Image 4.1: The physical dimensions of the EDUP USB WiFi 6 Adapter, showing its length, width, and height for reference.

5. SETUP GUIDE

5.1 System Requirements

- Operating System: Windows 11 or Windows 10 (32-bit or 64-bit).
- Available USB 3.0 port (compatible with USB 2.0, but performance may be limited).

Compatible with Windows 7/10/11
⚠ (Windows 7: Hotspot/AP mode is not supported; device recognized as USB 2.0)
Built-in Driver

Windows 11 ✓ Windows 10 ✓ Windows 7 ✓ Mac OS ✗ Linux ✗ Chrome OS ✗

Image 5.1: The adapter's compatibility with Windows 11, Windows 10, and Windows 7. Note that Hotspot/AP mode is not supported on Windows 7, and the device is recognized as USB 2.0 on Windows 7.

5.2 Installation Steps (Plug & Play)

The EDUP USB WiFi 6 Adapter features a built-in driver for Windows 11 and Windows 10, allowing for a simple plug-and-play installation.

1. **Insert the Adapter:** Plug the EDUP USB WiFi 6 Adapter into an available USB 3.0 port on your desktop PC or laptop.

2. **Automatic Driver Installation:** For Windows 11/10, the operating system will automatically detect the device and install the necessary driver from the adapter's built-in memory. A notification may appear indicating the driver installation progress.
3. **Verify Installation:** Once the driver is installed, the adapter will be ready for use. You can verify its status in your computer's Device Manager under "Network adapters."

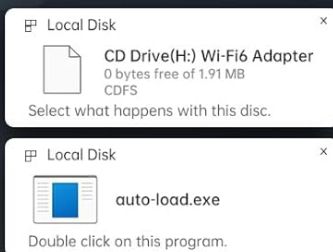
Easy Setup

Step 1



1. Insert the wifi adapter into the usb port of your device.

Step 2



2. Wait the computer recognises the adapter, find the driver disk in My Computer and double [auto-load.exe](#) click to install it.

Step 3



3. Scan for the available networks and connect to finish the installation.

Image 5.2: A three-step visual guide demonstrating how to install the adapter: 1. Insert into USB port, 2. Wait for driver recognition and auto-load, 3. Scan and connect to networks.

Plug and Play Effortless and Convenient

The built-in network card driver allows you to simply plug the EP-AX1693S into the computer's USB port for automatic installation. Plug and play makes internet access easier.



Driver-free



No download



Easy to install

Image 5.3: Illustrates the plug-and-play nature of the adapter, emphasizing that it is driver-free, requires no download, and is easy to install.

6. OPERATING INSTRUCTIONS

6.1 Connecting to a Wi-Fi Network

1. After successful driver installation, click on the Wi-Fi icon in your computer's system tray (usually in the bottom-right corner of the screen).
2. A list of available wireless networks will appear. Select your desired network.
3. If prompted, enter the network security key (password) and click "Connect."
4. Once connected, the Wi-Fi icon will indicate a successful connection, and you can access the internet.

6.2 Using as a Wi-Fi Hotspot (AP Mode)

The adapter supports Access Point (AP) mode, allowing your computer to act as a Wi-Fi hotspot to share its internet connection with other devices. This feature is available on Windows 10 and Windows 11. For Windows 7, Hotspot/AP

mode is not supported.

1. Ensure your computer has an active internet connection (e.g., via Ethernet).
2. Go to **Settings > Network & Internet > Mobile hotspot** on Windows 10/11.
3. Toggle the "Share my Internet connection with other devices" switch to **On**.
4. You can customize the network name (SSID) and password in the Mobile hotspot settings.

7. MAINTENANCE

- **Keep Clean:** Periodically clean the adapter with a soft, dry cloth to prevent dust accumulation, especially around the USB connector.
- **Proper Storage:** When not in use, store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Avoid Physical Damage:** Do not bend, drop, or expose the adapter to excessive force. Ensure the antennas are not subjected to undue stress.
- **Driver Updates:** While the adapter is plug-and-play, occasionally check the EDUP official website for potential driver updates that may offer performance improvements or bug fixes.

8. TROUBLESHOOTING

- **No Wi-Fi Networks Detected:**
 - Ensure the adapter is securely plugged into a USB port.
 - Verify that Wi-Fi is enabled on your computer.
 - Check Device Manager to confirm the adapter driver is installed correctly and the device is recognized without errors.
 - Try plugging the adapter into a different USB port.
- **Slow Connection Speed:**
 - Ensure you are connected to a Wi-Fi 6 compatible router for optimal performance.
 - Check if you are connected to the 5GHz band for higher speeds, if available.
 - Reduce the distance between your computer and the wireless router.
 - Minimize interference from other electronic devices.
 - Ensure your USB port is USB 3.0 for maximum data transfer rates.
- **Intermittent Connection:**
 - Update your router's firmware to the latest version.
 - Adjust the position of the adapter's antennas for better signal reception.
 - Disable any power-saving features for the USB port or network adapter in your computer's settings.
- **Driver Installation Failure (Windows 7/Older OS):**
 - For operating systems other than Windows 11/10, manual driver installation may be required. Visit the EDUP support website to download the appropriate driver.

9. ADVANCED SECURITY

The EDUP USB WiFi 6 Adapter supports advanced wireless security standards to protect your network from unauthorized access. It is compatible with WPA3, the latest and most robust security protocol, offering enhanced encryption and

protection against brute-force attacks.

- **WPA3:** Provides stronger encryption and improved privacy compared to older protocols like WPA2, WPA, and WEP.
- **WPA2:** Still widely used, offering strong encryption for most home and office networks.

Always use the strongest available security protocol (WPA3 recommended) on your wireless router to ensure the highest level of network security.



Image 9.1: A timeline illustrating the progression of Wi-Fi security standards from WEP to WPA3, highlighting the enhanced protection offered by WPA3.

10. WARRANTY AND SUPPORT

10.1 Warranty Information

This EDUP product comes with a one-year manufacturer replacement warranty. Additionally, a 45-day no-questions-asked return policy is provided. Please retain your proof of purchase for warranty claims.

10.2 Technical Support

For technical assistance, troubleshooting, or further inquiries, please visit the official EDUP support website or contact their customer service. Refer to the product packaging or the EDUP website for the most current contact information.