

ALFA Network AWUS036ACH

ALFA Network AWUS036ACH AC1200 Wireless USB 3.0 Type-C Wi-Fi Adapter User Manual

MODEL: AWUS036ACH

1. Introduction

The ALFA Network AWUS036ACH is a high-performance dual-band AC1200 wireless USB 3.0 Type-C Wi-Fi adapter designed to provide extended range and reliable wireless connectivity for your computer. It supports both 2.4GHz and 5GHz frequency bands, offering speeds up to 300Mbps on 2.4GHz and 867Mbps on 5GHz, compliant with 802.11ac, 802.11a, 802.11b, 802.11g, and 802.11n standards. Equipped with two external 5dBi antennas, it enhances signal reception and transmission, making it ideal for demanding applications such as HD streaming, online gaming, and large file transfers.



Figure 1: The ALFA Network AWUS036ACH Wi-Fi Adapter with its two external antennas.

2. Package Contents

Please verify that all items listed below are included in your package:

- 1x AWUS036ACH Wireless USB Adapter
- 2x Detachable High Gain 5dBi Antennas
- 1x USB 3.0 Type-C Cable
- 1x Quick Setup Guide
- 1x Driver CD



Figure 2: All components included in the ALFA Network AWUS036ACH package.

3. Setup

Follow these steps to set up your AWUS036ACH Wi-Fi adapter:

1. **Attach the Antennas:** Carefully screw the two 5dBi detachable antennas onto the RP-SMA female connectors located at the rear of the AWUS036ACH adapter. Ensure they are securely fastened but do not overtighten.



Figure 3: Rear view of the adapter showing the RP-SMA antenna connectors.

2. **Connect to Computer:** Plug the USB 3.0 Type-C cable into the Type-C port on the AWUS036ACH adapter and connect the other end (USB Type-A) to an available USB 3.0 port on your computer. For optimal performance, use a USB 3.0 port (typically blue colored).



Figure 4: The AWUS036ACH adapter connected to its USB 3.0 Type-C cable.

3. Install Drivers:

- **Windows/MacOS:** Insert the included Driver CD into your computer's optical drive and follow the on-screen instructions to install the necessary drivers. If your computer does not have an optical drive, or for the latest drivers, visit the official ALFA Network website.
- **Linux:** Driver installation for Linux may require specific commands or compilation. Refer to the Quick Setup Guide or the ALFA Network website for detailed instructions for your Linux distribution.

The adapter supports Windows XP/Vista/7/8/8.1/10, Apple MacOS 10.4 to 10.12, and various Linux distributions.



Figure 5: Key features of the AWUS036ACH, including high-gain antennas and USB 3.0 connector.

4. Operating Instructions

Once the drivers are successfully installed and the adapter is connected, your computer should recognize the AWUS036ACH as a wireless network adapter.

1. **Access Network Settings:** Open your computer's network settings (e.g., Wi-Fi settings on Windows, Network Preferences on MacOS, or Network Manager on Linux).
2. **Scan for Networks:** The adapter will automatically scan for available wireless networks in your vicinity.
3. **Select and Connect:** Select your desired Wi-Fi network from the list. If prompted, enter the network's security key (password).
4. **Dual-Band Operation:** The AWUS036ACH supports both 2.4GHz and 5GHz bands. For faster speeds and less interference, connect to a 5GHz network if available. The 2.4GHz band offers wider coverage.

The built-in signal amplifier and high-gain antennas dramatically extend signal coverage, allowing for improved connectivity even at greater distances from your router.

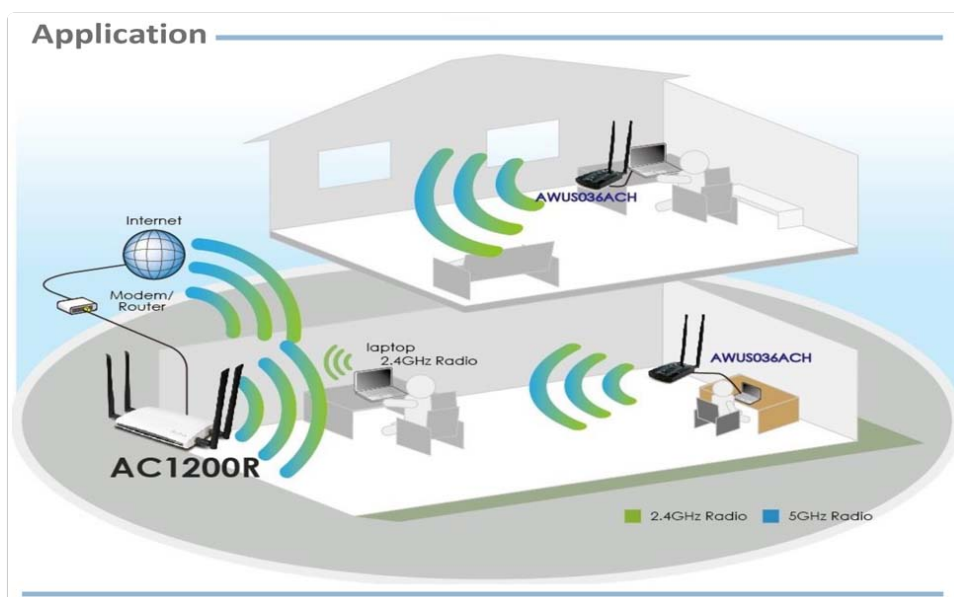


Figure 6: Illustration of the AWUS036ACH's application in extending Wi-Fi range within a home or office environment.

5. Troubleshooting

If you encounter issues with your AWUS036ACH adapter, consider the following:

- **No Wi-Fi Networks Detected:** Ensure the antennas are securely attached. Verify that the adapter is properly plugged into a functioning USB port. Check if the Wi-Fi function on your computer is enabled.
- **Slow Connection Speed:** Ensure you are connected to the appropriate band (5GHz for higher speeds, if available). Check for interference from other devices. Try repositioning the adapter for better signal reception.
- **Driver Issues:** If the adapter is not recognized or functions incorrectly, reinstall the drivers from the provided CD or download the latest version from the official ALFA Network website. Ensure you select the correct driver for your operating system.
- **Intermittent Connection:** This could be due to signal interference or power management settings on your computer. Disable USB power saving features for the adapter in your operating system's device manager.
- **Adapter Not Powering On:** Ensure the USB cable is fully inserted into both the adapter and the computer's USB port. Try a different USB port or cable.

For further assistance, refer to the detailed support resources available on the ALFA Network website.

6. Specifications

Feature	Description
Chipset	RTL8812AU
Wireless Standards	IEEE 802.11ac/a/b/g/n
Frequency	2.4GHz / 5GHz (Dual-Band)
RF Connector	RP-SMA female x 2
Antenna	2x 2.4GHz + 5GHz Dual-Band 5dBi dipole antenna
Wireless Speed	2.4GHz: up to 300Mbps 5GHz: up to 867Mbps
Wireless Security	WEP, WPA, WPA2, WPA Mixed, WPS
Interface	USB 3.0 (Type-C)
Operating System Support	Windows XP, Vista, 7, 8/8.1, 10 Mac OS 10.4 to 10.12 Linux (Kernel 4.x or later)
Dimensions (LxWxH)	5.51 x 5.51 x 2.36 inches (approx.)
Item Weight	9.1 ounces (approx.)

Specification

Chipset	RTL8812AU
Standard	Wireless IEEE 802.11ac/a/b/g/n
Frequency	2.4GHz / 5GHz
RF connector	RP-SMA female x 2
Antenna	2.4GHz + 5GHz Dual-Band 5dBi dipole antenna
Wireless Speed	802.11a : 6,9,12,18,24,36,48,54Mbps 802.11b : 1, 2, 5.5, 11Mbps 802.11g : 6,9,12,18,24,36,48,54Mbps 802.11n : up to 300Mbps 802.11ac: up to 867Mbps
Wireless Security	WEP, WPA, WPA2, WPA Mixed, WPS
Interface	USB 3.0
OS Supported	Windows XP, Vista, 7 and 8/8.1 Mac 10.5.x or later Linux
Package Contents	1x AWUS036ACH 2x detachable High Gain 5dBi antenna 1x USB 3.0 cable 1x Quick Setup Guide 1x Drive CD

Figure 7: Official specification table for the AWUS036ACH adapter.

7. Maintenance

To ensure the longevity and optimal performance of your AWUS036ACH adapter:

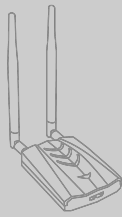
- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the adapter to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the device yourself. This may void the warranty.
- Store the adapter in a cool, dry place when not in use.

8. Warranty and Support

For information regarding warranty coverage, technical support, and driver updates, please visit the official ALFA Network website. It is recommended to register your product if required by the manufacturer to ensure full warranty benefits.

Official Website: <http://www.alfa.com.tw>

User's



[pdf] Instructions Guide

user AWUS036ACH IEEE 802.11ac AC1200 USB Wireless Adapter User's Guide Long Range ALFA Network Inc. CE mark Warning: This is a class B device in domestic environment; this product may cause radio interference, which case the be required to take adequate measures. R TTE Compliance Statement handleiding files onlinekabelshop.nl Handleidingen 2 Driver Installation 1 Windows 7 Notes The following installation was operated under |||

AWUS036ACH IEEE 802.11ac AC1200 USB Wireless Adapter User's Guide

802.11ac Long Range USB Wireless Adapter **AWUS036ACH** Federal

Communication Commission Interference Statement: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC ...

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AWUS036ACH

802.11ac ultra-Range AC1200 USB Adapter



[pdf] Specifications Datasheet

PowerPoint Presentation Grace AWUS036ACH KommaGo Chipset RTL8812AU Standard Wireless IEEE

802.11ac a/b/g/n Frequency 2.4 GHz 5GHz RF connector RP SMA female x Antenna 4GHz alfa

awus036ach ds datasheet rokland support specs data kommaggo.nl files 80 wifimag.ro

AWUS036ACH 802.11ac ultra-Range AC1200 USB Adapter Application Copyright

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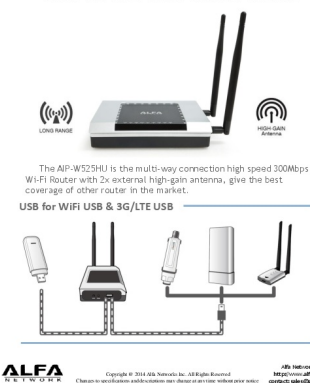
descriptions may change at any time without prior notice. Alfa Network Inc.,

http://www.alfa.com.tw contact: sales.alfa.com.tw **AWUS036ACH** High Gai...

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AIP-W525HU

802.11n USB Wi-Fi Extend Router



[pdf] Specifications Datasheet Diagram Catalog

PowerPoint Presentation Grace AIP W525HU alfa network aip w525hu datasheet eurodk.it files catalogue

AIP-W525HU 802.11n USB Wi-Fi Extend Router The AIP-W525HU is the multi-way

connection high speed 30 ... 802.11a/b/g/n AWUS051NH v2 AWUS052NH

AWUS052NHS UBD0-25t 802.11ac/a/b/g/n AWUS036AC AWUS036EAC

AWUS036ACH 3G USB Support List Amoi H01 HUAWEI EC189 E169C K4505

QISDA H21 Vibo D200 ZTE ...

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