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› Wendry 9461NGW Bluetooth 5.0 M.2 Network Card User Manual

Wendry Wendryaohxguqf62

Wendry 9461NGW Bluetooth 5.0 M.2 Network Card User Manual

Model: Wendryaohxguqf62

Brand: Wendry

1. INTRODUCTION

The Wendry 9461NGW is a high-performance M.2 network card designed to provide reliable wireless connectivity for compatible devices. It integrates both Wi-Fi and Bluetooth functionalities, supporting the latest standards for fast and stable connections.



Figure 1.1: Top-down view of the Wendry 9461NGW M.2 Network Card, showing its compact form factor and M.2 interface.

Key Features:

- **High Speed Connectivity:** Achieves AC speeds up to 433Mbps for efficient data transfer.
- **Dual-Band Support:** Operates on both 2.4G and 5G networks for versatile wireless access.
- **Bluetooth 5.0:** Integrated Bluetooth 5.0 for seamless connection with compatible peripherals.
- **M.2 CNVi Interface:** Designed with an M.2 CNVi interface for stable and reliable connection performance.
- **Broad Compatibility:** Compatible with various desktops, all-in-ones, and industrial computers featuring NGFF / M.2 interfaces on the motherboard. Specifically compatible with HP 14-CE1010TX and 14-CE1006TX.
- **Operating System:** Optimized for Windows 10.

2. SETUP AND INSTALLATION

Proper installation of the 9461NGW network card is crucial for optimal performance. Ensure your system is powered off and disconnected from the power source before proceeding.

2.1 System Requirements:

- Available M.2 CNVi slot on motherboard.
- Operating System: Windows 10 (64-bit recommended).

2.2 Installation Steps:

1. **Prepare Your System:** Power off your computer and unplug all cables. Open the computer case to access the motherboard.
2. **Locate M.2 Slot:** Identify an available M.2 CNVi slot on your motherboard. Refer to your computer or motherboard manual if unsure.
3. **Insert Network Card:** Gently align the notch on the 9461NGW network card with the key in the M.2 slot. Insert the card at a slight angle (approximately 30 degrees) until it is fully seated.



Figure 2.1: Angled view of the network card, illustrating its M.2 connector and overall dimensions.

4. **Secure the Card:** Once inserted, gently push the card down towards the motherboard. Secure it with the small screw provided with your motherboard or computer, typically at the end of the M.2 slot.

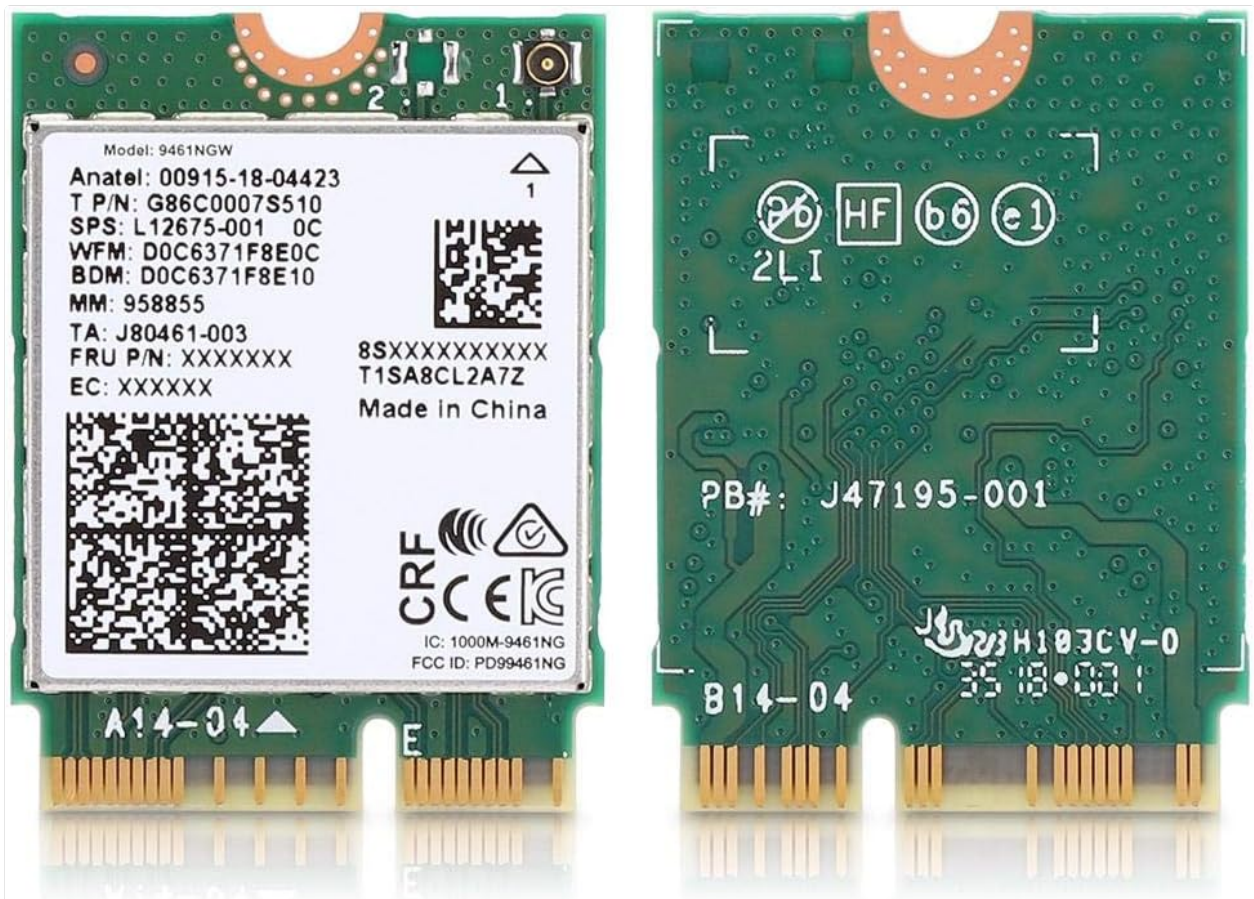


Figure 2.2: Front and back views of the network card, showing component layout and regulatory markings.

5. **Connect Antennas (if applicable):** If your system requires external antennas, carefully connect them to the small connectors on the network card. Ensure they are securely fastened.
6. **Close Case and Power On:** Close your computer case, reconnect all cables, and power on your system.

3. OPERATING INSTRUCTIONS

After physical installation, the operating system needs to recognize and utilize the network card. This typically involves driver installation.

3.1 Driver Installation:

- **Automatic Installation:** For Windows 10, the operating system may automatically detect and install the necessary drivers upon first boot after installation.
- **Manual Installation:** If drivers are not automatically installed, you may need to download them from the manufacturer's website (e.g., Intel for 9461NGW chipsets) or from your computer/motherboard manufacturer's support page.
- **Device Manager:** Verify driver status in Windows Device Manager (Right-click Start > Device Manager). Look under 'Network adapters' and 'Bluetooth'. If there are yellow exclamation marks, drivers need to be updated or installed.

3.2 Wi-Fi Connectivity:

Once drivers are installed, the network card will enable Wi-Fi functionality.

- **Connect to Network:** Click the Wi-Fi icon in the system tray, select your desired network, enter the password, and connect.
- **Dual-Band Operation:** The card supports both 2.4GHz and 5GHz bands. The 5GHz band generally offers faster speeds over shorter distances, while 2.4GHz provides better range.

The network card interface is M.2: CNVi with stable connection performance



Figure 3.1: The network card supports both 2.4G and 5G wireless networks for flexible connectivity options.

3.3 Bluetooth Connectivity:

The integrated Bluetooth 5.0 allows connection to various Bluetooth devices.

- **Enable Bluetooth:** Go to Windows Settings > Devices > Bluetooth & other devices and ensure Bluetooth is turned On.
- **Pair Devices:** Click 'Add Bluetooth or other device', select 'Bluetooth', and follow the on-screen prompts to pair your Bluetooth devices (e.g., headphones, mouse, keyboard).

4. MAINTENANCE

The Wendry 9461NGW network card is a robust component designed for long-term use with minimal maintenance. However, following these general guidelines can help ensure its longevity and optimal performance:

- **Keep System Clean:** Regularly clean the interior of your computer case to prevent dust buildup, which can

impede airflow and lead to overheating of components, including the network card. Use compressed air for this purpose.

- **Proper Handling:** When handling the network card, always hold it by its edges to avoid touching the gold connectors or sensitive components, which can be damaged by static electricity or oils from your skin.
- **Driver Updates:** Periodically check for updated drivers from the chipset manufacturer (e.g., Intel) or your computer/motherboard manufacturer. Updated drivers can improve performance, stability, and security.
- **Environmental Conditions:** Ensure your computer operates in a well-ventilated area with stable temperature and humidity to prevent component stress.

5. TROUBLESHOOTING

If you encounter issues with your 9461NGW network card, refer to the following troubleshooting steps:

5.1 Wi-Fi or Bluetooth Not Detected:

- **Check Physical Connection:** Power off your computer and verify that the network card is securely seated in the M.2 slot and the retaining screw is tightened.
- **Device Manager:** Open Device Manager in Windows. Look for 'Network adapters' and 'Bluetooth'. If the device is listed with a yellow exclamation mark or not present, try the following:
 - Right-click and select 'Scan for hardware changes'.
 - If present, right-click the device and select 'Update driver'. Choose 'Search automatically for updated driver software'.
 - If still problematic, try uninstalling the device (right-click > 'Uninstall device') and then restart your computer. Windows should attempt to reinstall it.
- **BIOS/UEFI Settings:** Some motherboards have options to enable/disable M.2 slots or integrated Wi-Fi/Bluetooth. Check your system's BIOS/UEFI settings to ensure the M.2 slot is enabled.

5.2 Slow Wi-Fi Speed or Frequent Disconnections:

- **Driver Update:** Ensure you have the latest drivers installed for the network card.
- **Antenna Connection:** If using external antennas, ensure they are securely connected to the card.
- **Router Proximity:** Move closer to your Wi-Fi router or ensure there are no significant obstructions (e.g., thick walls, metal objects) between your computer and the router.
- **Interference:** Other electronic devices (cordless phones, microwaves, other Wi-Fi networks) can cause interference. Try changing your Wi-Fi channel on your router.
- **Router Settings:** Ensure your router is configured for optimal performance, including using WPA2/WPA3 encryption and appropriate channel width.

5.3 Bluetooth Device Pairing Issues:

- **Ensure Device is in Pairing Mode:** Refer to your Bluetooth device's manual to ensure it is in discoverable or pairing mode.
- **Remove and Re-pair:** In Windows Bluetooth settings, remove the problematic device and attempt to pair it again.
- **Driver Update:** Ensure Bluetooth drivers are up to date.

- **Restart Bluetooth Service:** In Windows Services (search 'services.msc'), find 'Bluetooth Support Service', right-click, and select 'Restart'.

6. SPECIFICATIONS

Detailed technical specifications for the Wendry 9461NGW Bluetooth 5.0 M.2 Network Card:

Feature	Specification
Model Number	Wendryaohxguqf62
Interface	M.2 (CNVi)
Wireless Standard	802.11ac
Data Transfer Rate	Up to 433 Mbps
Frequency Bands	2.4 GHz, 5 GHz
Bluetooth Version	Bluetooth 5.0
Compatible Devices	Desktop, Laptop (with M.2 CNVi slot)
Operating System Support	Windows 10
Item Weight	1.44 ounces
UPC	738602925116

7. WARRANTY AND SUPPORT

For warranty information and technical support regarding your Wendry 9461NGW network card, please refer to the following:

- **Manufacturer's Warranty:** Specific warranty terms and duration may vary. Please retain your proof of purchase.
- **Technical Support:** For assistance with installation, troubleshooting, or product inquiries, please contact Wendry customer support through their official channels or the seller from whom you purchased the product.
- **Online Resources:** Visit the official Wendry store page on Amazon for additional product information and support resources: [Wendry Store on Amazon](#).

