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Siren 8265ngw

Siren Dual Band Wireless-AC 8265NGW M.2 NGFF Wi-Fi Card User Manual

Model: 8265NGW | Brand: Siren

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Siren Dual Band Wireless-AC 8265NGW M.2 NGFF Wi-Fi Card. This internal component is designed to provide high-speed wireless connectivity (Wi-Fi) and Bluetooth capabilities to compatible devices, such as laptops and desktop computers with an available M.2 slot.



Figure 1: Front view of the Siren Dual Band Wireless-AC 8265NGW M.2 NGFF Wi-Fi Card, showing the Intel 8265NGW model number and various regulatory markings.

2. PRODUCT FEATURES

- **Dual Band Connectivity:** Supports both 2.4GHz and 5GHz wireless frequencies for flexible and high-performance network connections.
- **802.11ac Standard:** Utilizes the 802.11ac Wi-Fi standard for faster speeds and improved efficiency compared to older standards.
- **Bluetooth 4.2:** Integrated Bluetooth 4.2 for connecting wireless peripherals such as headphones, mice, and keyboards.
- **M.2 NGFF Form Factor:** Compact M.2 (Next Generation Form Factor) design for easy integration into compatible systems.
- **High Data Transfer Rate:** Capable of Wi-Fi speeds up to 867 Mbps.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Siren Dual Band Wireless-AC 8265NGW M.2 NGFF Wi-Fi Card
- Mounting Screw (typically included, but may vary)

Note: Antennas are typically pre-installed in laptops or purchased separately for desktops.

4. SETUP AND INSTALLATION

Installing the Siren 8265NGW Wi-Fi card requires opening your computer case. If you are uncomfortable with this process, please consult a qualified technician.

4.1 Pre-installation Checks

- **Compatibility:** Ensure your device has an available M.2 slot (Key A or E) for Wi-Fi modules. This card is not compatible with M.2 slots designed for storage (Key M or B).
- **Drivers:** Download the latest drivers for the Intel Wireless-AC 8265 from the Intel support website before installation, if possible.
- **Safety:** Power off your computer completely and disconnect it from the power outlet. Discharge any static electricity by touching a grounded metal object.

4.2 Physical Installation

1. Carefully open your computer's case or access panel to expose the motherboard.
2. Locate the M.2 slot designated for wireless cards. It is usually labeled 'WLAN' or 'Wi-Fi'.
3. Gently insert the Siren 8265NGW card into the M.2 slot at a slight angle. The gold contacts should slide smoothly into the slot.
4. Once fully seated, push the card down until it lies flat against the motherboard. Secure it with the small mounting screw.
5. Connect the antenna cables (usually black and white/grey) to the corresponding connectors on the card. The main antenna typically connects to 'MAIN' or '1', and the auxiliary to 'AUX' or '2'. Ensure a firm, gentle snap.
6. Close your computer's case or access panel.



Figure 2: Angled view of the Siren 8265NGW card, highlighting the M.2 connector and the two antenna connection points (MAIN and AUX).

4.3 Driver Installation

1. Power on your computer.
2. If your operating system does not automatically detect and install the drivers, install the drivers downloaded in step 4.1. Alternatively, use the driver CD if one was provided, or connect via Ethernet to download them.
3. Restart your computer after driver installation is complete.

5. OPERATING INSTRUCTIONS

5.1 Connecting to a Wi-Fi Network

1. After successful driver installation, locate the Wi-Fi icon in your system tray (Windows) or menu bar (macOS/Linux).
2. Click on the icon to view available wireless networks.
3. Select your desired network and click 'Connect'.
4. Enter the network security key (password) if prompted.
5. Your computer should now be connected to the Wi-Fi network.

5.2 Pairing Bluetooth Devices

1. Ensure Bluetooth is enabled on your computer and the device you wish to pair.
2. Go to your computer's Bluetooth settings (e.g., 'Bluetooth & other devices' in Windows Settings).
3. Put your Bluetooth device into pairing mode (refer to the device's manual).
4. On your computer, click 'Add Bluetooth or other device' and select 'Bluetooth'.
5. Select your device from the list and follow any on-screen prompts to complete the pairing process.

6. MAINTENANCE

- **Driver Updates:** Regularly check the Intel support website for updated drivers to ensure optimal performance and security.
- **Physical Cleanliness:** Keep your computer's interior free of dust to prevent overheating, which can affect component performance.
- **Antenna Connection:** Ensure antenna cables remain securely connected to the card for stable signal reception.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No Wi-Fi or Bluetooth functionality	Incorrect driver installation; Card not properly seated; Antennas disconnected; BIOS/UEFI setting disabled.	Reinstall drivers; Check card seating and screw; Reconnect antennas; Check BIOS/UEFI for Wi-Fi/Bluetooth enablement.
Slow Wi-Fi speeds or intermittent connection	Weak signal; Antenna issues; Driver issues; Interference from other devices; Router distance/settings.	Ensure antennas are connected and positioned correctly; Update drivers; Move closer to router; Check router settings (channel, band); Reduce interference sources.
Bluetooth device not pairing	Device not in pairing mode; Bluetooth disabled; Driver issues; Device out of range.	Ensure device is in pairing mode; Verify Bluetooth is enabled on PC; Update Bluetooth drivers; Move device closer to PC.

8. SPECIFICATIONS

Feature	Detail
Model Number	8265NGW
Brand	Siren (Intel Chipset)
Hardware Interface	M.2 NGFF
Wi-Fi Standard	802.11ac
Frequency Bands	2.4GHz, 5GHz
Bluetooth Version	4.2

Feature	Detail
Max Data Transfer Rate	867 Mbps (Wi-Fi)
Package Dimensions	2.09 x 1.54 x 0.28 inches
Item Weight	0.64 ounces (18.14 g)
Compatible Devices	Desktop (with M.2 slot), Laptops (with compatible M.2 slot)
UPC	632423423786

9. WARRANTY INFORMATION

This product is covered by a standard manufacturer's warranty. Please refer to the packaging or contact Siren customer support for specific warranty terms and conditions. Keep your proof of purchase for warranty claims.

10. SUPPORT

For technical assistance, driver downloads, or further inquiries, please visit the official Siren or Intel support websites. You may also consult your computer manufacturer's support resources for system-specific compatibility and installation guidance.