Intel

Dual Band Wireless-AC 7265 7265NGW WiFi Plus 4.0 BT Bluetooth Adapter Card

Model: 7265NGW

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Intel Dual Band Wireless-AC 7265 7265NGW WiFi Plus 4.0 BT Bluetooth Adapter Card. This internal component is designed to enhance wireless connectivity in compatible Lenovo ThinkPad laptops, offering dual-band Wi-Fi (802.11ac) and Bluetooth 4.0 capabilities.

COMPATIBILITY

This adapter card is specifically designed for Lenovo notebooks and is not compatible with other brands. It supports the following Lenovo ThinkPad models:

- ThinkPad Helix 2nd Gen (Machine types: 20CG, 20CH)
- ThinkPad E450, E550, E450C, E550C
- Lenovo G70-70, G70-80, Z70-80
- M50-70, M50-80
- THINKPAD X250, T450, W450, L450
- YOGA 12, YOGA 14, YOGA 15

The card features FRU (Field Replaceable Unit) numbers: 04X6030, 00JT469, and 00JT464, and utilizes an NGFF interface.

SPECIFICATIONS

Feature	Detail
Model	7265NGW
FRU Numbers	04X6030, 00JT469, 00JT464
Interface	NGFF (M.2)
Wireless Standard	802.11ac (Dual Band)

Max Speed	Up to 867 Mbps
Bluetooth Version	Bluetooth 4.0
Hardware Interface	Bluetooth, PCI
Item Weight	1.92 ounces
Package Dimensions	6 x 4 x 1 inches

INSTALLATION GUIDE

Important: Before beginning installation, ensure your laptop is powered off and disconnected from all power sources. It is recommended to discharge any static electricity from your body by touching a grounded metal object to prevent damage to sensitive electronic components.

1. **Prepare Your Laptop:** Shut down your laptop completely. Disconnect the AC adapter and remove the battery (if removable).

2. **Access Internal Components:** Carefully open the laptop's bottom cover to access the internal components. Refer to your laptop's specific service manual for instructions on how to safely open it.

3. **Locate the M.2 Slot:** Identify the M.2 slot designated for the wireless card. It may be occupied by an existing card.

4. **Remove Existing Card (if applicable):** If an old wireless card is present, gently unscrew the retaining screw and carefully pull the card out of the slot.

5. **Insert the New Card:** Align the notches on the Intel 7265NGW card with the M.2 slot. Gently push the card into the slot at an angle until it is fully seated.

6. **Secure the Card:** Press the card down and secure it with the retaining screw.

7. **Connect Antennas:** Carefully connect the antenna cables to the corresponding connectors on the card (Main and Aux). Ensure they are securely snapped into place.

8. **Reassemble Laptop:** Replace the laptop's bottom cover, reinsert the battery, and reconnect the AC adapter.

9. **Install Drivers:** Power on your laptop. Windows should automatically detect the new hardware. If drivers are not automatically installed, download the latest Intel Wireless-AC 7265 and Bluetooth drivers from the official Intel or Lenovo support website.

Figure 1: Top view of the Intel 7265NGW wireless card. This side typically faces upwards when installed, displaying the model number, FRU, and regulatory information.

Figure 2: Bottom view of the Intel 7265NGW wireless card. This side features the Intel logo and the gold-plated NGFF connector pins that insert into the laptop's M.2 slot.

OPERATION

Once installed and drivers are successfully loaded, the Intel 7265NGW card will enable your laptop to connect to Wi-Fi networks and communicate with Bluetooth devices.

- **Wi-Fi Connectivity:** The card supports 802.11ac dual-band (2.4GHz and 5GHz) wireless networks. You can connect to available Wi-Fi networks through your operating system's network settings.
- **Bluetooth Functionality:** The integrated Bluetooth 4.0 allows you to pair and connect with various Bluetooth-enabled devices such as headphones, mice, keyboards, and smartphones. Manage Bluetooth connections via your operating system's Bluetooth settings.

MAINTENANCE

The Intel 7265NGW adapter card is an internal component and requires minimal maintenance. To ensure optimal performance and longevity:

- **Keep Drivers Updated:** Regularly check for and install the latest Wi-Fi and Bluetooth drivers from Intel or Lenovo's official support websites. Driver updates often include performance improvements and bug fixes.
- **Maintain Laptop Cleanliness:** Periodically clean your laptop's cooling vents to prevent dust buildup, which can affect overall system performance and potentially the wireless card's operation.
- **Avoid Physical Damage:** Handle your laptop with care to prevent physical shocks or drops that could dislodge or damage internal components.

TROUBLESHOOTING

If you encounter issues with your wireless card, consider the following troubleshooting steps:

- **No Wi-Fi or Bluetooth:**
  - Ensure Wi-Fi and Bluetooth are enabled in your operating system settings.
  - Check Device Manager (Windows) to see if the wireless card is recognized and if there are any error symbols (e.g., yellow exclamation mark).
  - Try reinstalling the drivers. Uninstall the current drivers, restart your laptop, and then install the latest drivers.

- **Slow Wi-Fi Speeds or Frequent Disconnections:**
  - Ensure you are within range of your Wi-Fi router.
  - Restart your Wi-Fi router and modem.
  - Check for interference from other electronic devices.
  - Update your Wi-Fi drivers.

- **Bluetooth Device Not Pairing:**
  - Ensure the Bluetooth device is in pairing mode.
  - Check if Bluetooth is enabled on your laptop.
  - Remove the device from your laptop's Bluetooth settings and try pairing again.
  - Update your Bluetooth drivers.

If problems persist after following these steps, it may indicate a hardware issue or require professional assistance.

WARRANTY AND SUPPORT

This product is an internal component. For specific warranty information, please refer to the terms provided by the original seller or the manufacturer, Intel. It is crucial to verify compatibility with your laptop model before purchase.

If you have questions regarding compatibility or encounter issues, it is recommended to contact the seller directly. When contacting support, be prepared to provide your laptop's configuration or serial number to assist with compatibility verification.

For driver downloads and general technical support related to Intel wireless products, visit the official Intel support website. For laptop-specific support or service, refer to Lenovo's official support channels.

Related Documents

[Intel Mobile Communication 7265NGW SAR Compliance Evaluation](#)
This report details the Specific Absorption Rate (SAR) compliance evaluation for the Intel Mobile Communication 7265NGW wireless module, integrated into the Lenovo TP00066C device. The testing adheres to FCC Part 2, 1093, ET Docket 93-62, and Industry Canada RSS102 Issue 5 standards.

[Intel WiFi Adapter Information Guide](#)
This guide provides essential information about Intel wireless adapters, detailing their compatibility with various Wi-Fi standards and offering insights into adapter settings, regulatory compliance, and support resources. It aims to help users understand and optimize their wireless connectivity.

[Intel WiFi Adapter Information Guide: Features, Specifications, and Regulatory Information](#)
Comprehensive guide to Intel WiFi adapters, covering supported models, features, adapter settings, regulatory compliance, and safety notices for various Intel wireless networking products.

[Intel® WiFi Adapter Information Guide](#)
Explore the capabilities of Intel® WiFi adapters with this comprehensive guide. It details adapter compatibility across Windows versions, explains key settings for performance optimization, and provides essential regulatory and safety information. Find technical specifications for a wide range of Intel® wireless networking products, including Centrino, Dual Band Wireless, and Wi-Fi 6 series.