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› [Crucial 8GB \(2X 4GB\) 260-Pin SODIMM DDR4 PC4-21300 Memory Module Kit User Manual](#)

## Crucial CT2K8G4SFRA266

# Crucial 8GB (2X 4GB) 260-Pin SODIMM DDR4 PC4-21300 Memory Module Kit User Manual

Model: CT2K8G4SFRA266

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## 1. INTRODUCTION

This manual provides detailed instructions for the installation and use of your Crucial 8GB (2X 4GB) 260-Pin SODIMM DDR4 PC4-21300 Memory Module Kit. This memory kit is designed to enhance the performance of compatible laptop computers by increasing memory capacity and speed. Please read this manual thoroughly before proceeding with installation.

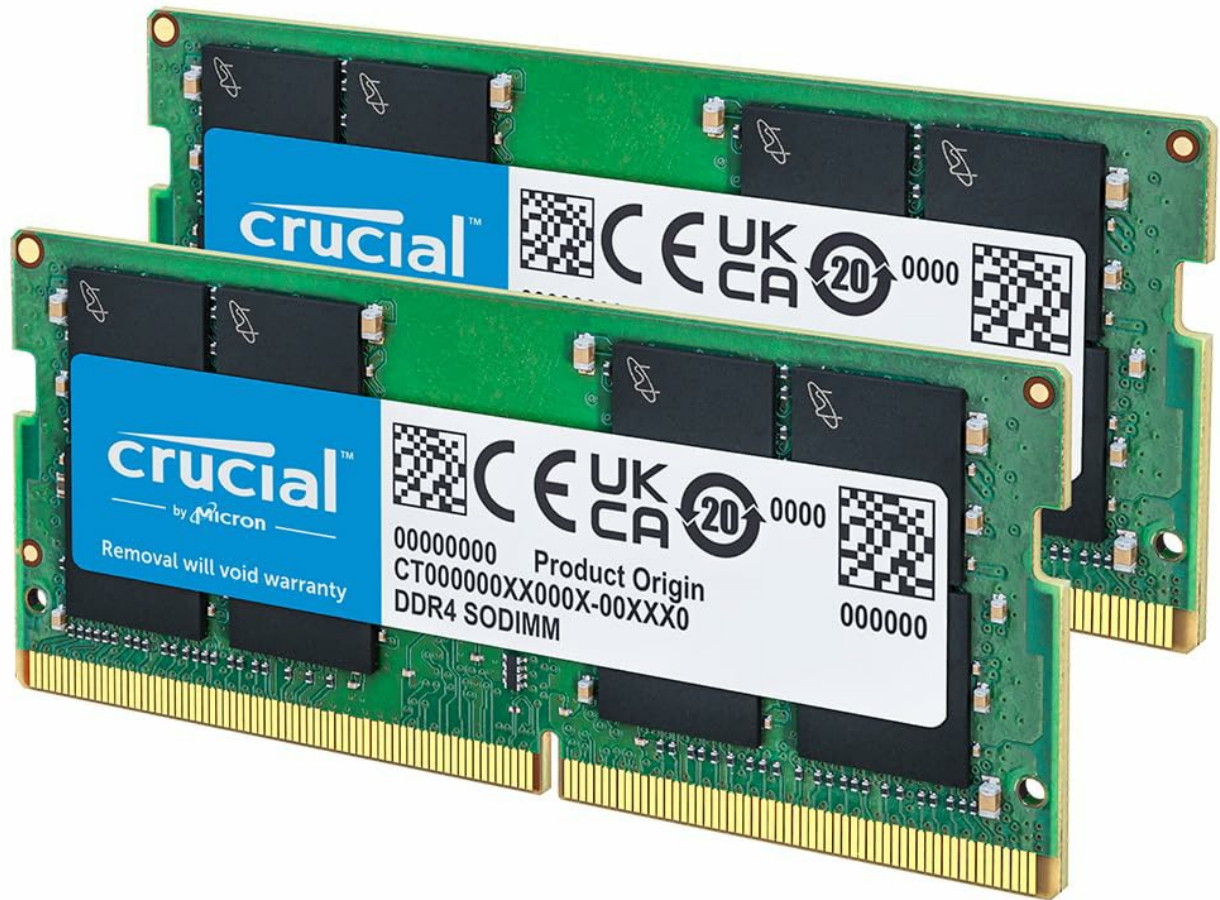


Image: Crucial 8GB (2X 4GB) 260-Pin SODIMM DDR4 PC4-21300 Memory Module Kit.

## 2. SAFETY INFORMATION

Always observe the following safety precautions when handling computer components:

- **Electrostatic Discharge (ESD) Protection:** ESD can damage electronic components. Before touching any internal components, ground yourself by touching an unpainted metal surface on your computer chassis or by wearing an anti-static wrist strap.
- **Power Disconnection:** Always shut down your computer completely and disconnect the power cable before opening the case. If your laptop has a removable battery, remove it.
- **Handle with Care:** Hold memory modules by their side edges to avoid touching the gold connector pins or the integrated circuits.
- **Consult Your System Manual:** Refer to your laptop's owner's manual for specific instructions on opening the case and locating memory slots, as procedures vary by model.
- **Keep Away from Liquids:** Ensure your workspace is dry and free from any liquids.

### 3. PACKAGE CONTENTS

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Your Crucial 8GB (2X 4GB) 260-Pin SODIMM DDR4 PC4-21300 Memory Module Kit package should contain:

- Two (2) Crucial 4GB DDR4 SODIMM Memory Modules

*Note: Additional tools such as a screwdriver may be required for installation and are not included.*

### 4. SPECIFICATIONS

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Feature	Specification
Brand	Crucial
Computer Memory Size	8 GB (2x 4GB)
RAM Memory Technology	DDR4
Memory Speed	2666 MHz (2666 MT/S)
Compatible Devices	Laptop
Voltage	1.2V
Column Address Strobe Latency (CL)	CL19
Form Factor	260-Pin SODIMM
Data Transfer Rate	12 Gigabits Per Second
Error Correction	Non-ECC
Buffering	Unbuffered
Model Name	CT2K8G4SFRA266
Item Weight	8 Grams

### 5. INSTALLATION

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Follow these steps to install your new Crucial memory modules. It is recommended to watch the provided installation video for a visual guide.

#### 5.1. Preparation

1. **Clear Your Workspace:** Ensure your work area is clean and organized.
2. **Gather Supplies:** You will need your laptop, the Crucial memory modules, a screwdriver (appropriate for your laptop's screws), and your laptop's owner's manual.
3. **Shut Down System:** Completely shut down your laptop. Do not just put it to sleep.
4. **Unplug Power Cable:** Disconnect the power adapter from your laptop.
5. **Remove Battery (If Possible):** If your laptop has a removable battery, remove it. Consult your laptop's manual for instructions. If the battery is internal, skip this step.
6. **Discharge Residual Power:** Hold down the power button for five seconds to drain any remaining electrical charge from the system.

## 5.2. Opening the Laptop Case

7. **Open the Case:** Carefully open your laptop's bottom case to access the memory slots. Refer to your laptop's owner's manual for specific instructions on how to do this, as designs vary.
8. **Ground Yourself:** Before touching any internal components, ground yourself by touching an unpainted metal surface on the laptop chassis. This prevents electrostatic discharge (ESD) damage.

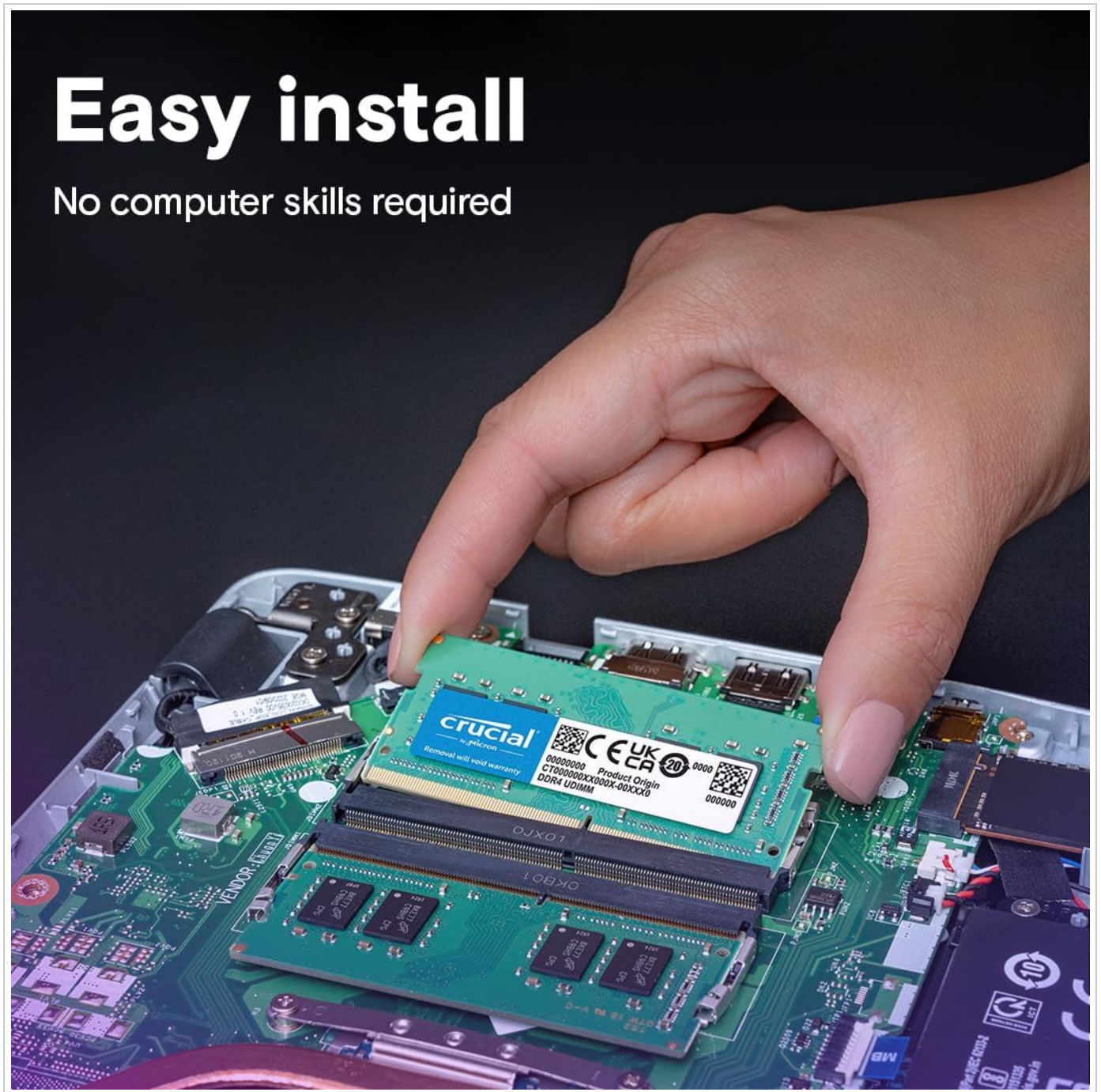


Image: A hand carefully installing a Crucial memory module into an open laptop memory slot.

## 5.3. Installing Memory Modules

9. **Remove Existing Modules (If Applicable):** If you are replacing existing memory, gently push the small metal clips on either side of the module outwards. The module will pop up at an angle. You can then pull it out.
10. **Insert New Module:** Hold the new Crucial memory module by its side edges. Align the notch on the module with the ridge in the memory slot. Insert the module into the slot at a 45-degree angle.
11. **Secure Module:** Once the module is fully seated in the slot, gently press down on it until the side clips snap into place, securing the module horizontally.
12. **Repeat for Additional Modules:** If installing a second module, repeat steps 9-11 for the other memory slot.

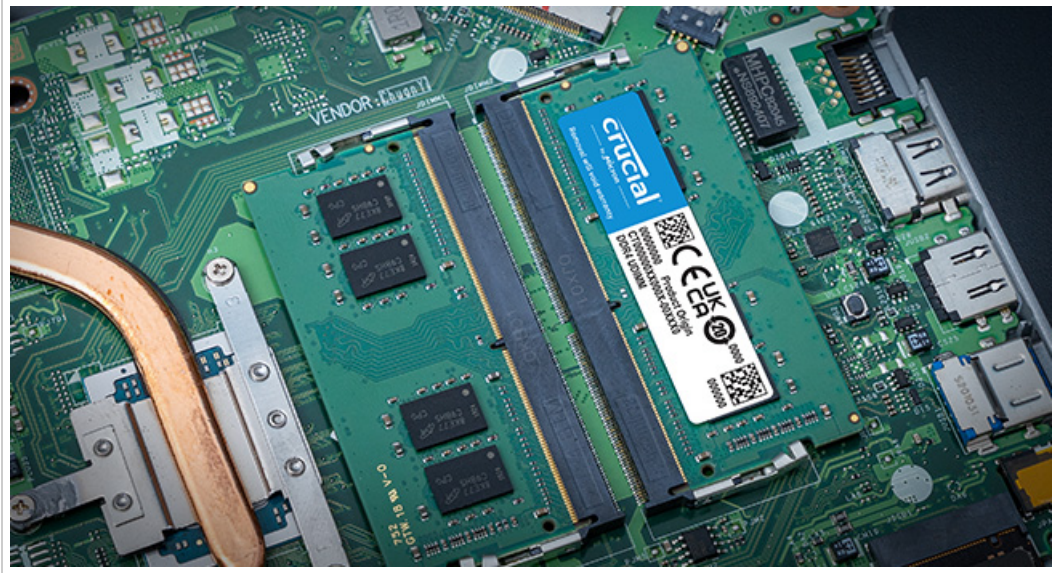


Image: A Crucial memory module being carefully inserted into a laptop's memory slot, showing proper alignment.

## 5.5. Installation Video Guide

For a visual walkthrough of the installation process, please refer to the official Crucial installation video below:

Your browser does not support the video tag.

Video: Official Crucial guide on how to install memory in a laptop. This video demonstrates the steps for safely preparing your laptop, removing old memory, and installing new Crucial SODIMM modules.

## 6. OPERATION

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After successful installation, power on your laptop. The system should automatically detect the new memory. To verify the installation:

- **Windows:** Right-click on "This PC" or "My Computer" and select "Properties." The installed RAM amount will be displayed.
- **macOS:** Click the Apple menu, then "About This Mac." The memory information will be listed.
- **Linux:** Open a terminal and type `free -h` or `cat /proc/meminfo`.

Ensure the displayed memory matches the total capacity of your newly installed modules plus any existing memory.

## 7. TROUBLESHOOTING

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If you encounter issues after installing the memory, consider the following:

- **System Does Not Boot:**
  - Ensure the memory modules are fully seated in their slots. Remove and reinsert them firmly.
  - Verify that the notches on the modules align correctly with the slots.
  - Check your laptop's manual for specific memory configuration requirements (e.g., specific slots for single modules).
- **Incorrect Memory Amount Detected:**
  - Repeat the steps for reseating the modules.
  - Ensure your laptop's BIOS/UEFI is updated to the latest version, as older versions might not fully support new

memory modules.

- Test each module individually if you installed multiple, to identify a potentially faulty module.

- **System Instability or Blue Screens:**

- This could indicate a faulty module or incompatibility. Run a memory diagnostic tool (e.g., Windows Memory Diagnostic, MemTest86).
- Verify that the memory specifications (DDR type, speed, voltage) are compatible with your laptop model.

If problems persist, contact Crucial technical support or your laptop manufacturer.

## 8. MAINTENANCE

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Crucial memory modules are designed for long-term reliability and generally require no maintenance. However, consider the following for optimal performance and longevity:

- **Keep Clean:** If you need to open your laptop for other maintenance, ensure the memory modules and slots are free from dust and debris. Use compressed air if necessary, holding the can upright to prevent propellant discharge.
- **Avoid Physical Stress:** Do not bend or apply excessive force to the modules.
- **Proper Storage:** If modules are removed and stored, keep them in an anti-static bag to protect against ESD and physical damage.

## 9. WARRANTY AND SUPPORT

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Crucial memory modules come with a limited lifetime warranty. For specific terms and conditions, please refer to the official Crucial website or the warranty information included with your product packaging.

For technical support, troubleshooting assistance, or warranty claims, please visit the official Crucial support website or contact their customer service. You may also refer to your laptop's owner's manual for additional support resources related to memory upgrades.

**Crucial Support:** [www.crucial.com/support](http://www.crucial.com/support)

