

Samsung M471A2K43CB1-CTD

Samsung 16GB DDR4 SODIMM RAM Module Instruction Manual

Model: M471A2K43CB1-CTD

INTRODUCTION

This manual provides instructions for the installation, operation, maintenance, and troubleshooting of your Samsung 16GB DDR4 SODIMM RAM module. Please read this manual carefully before installation to ensure proper handling and optimal performance of the memory module.

SAFETY INFORMATION

- Always power off your laptop or compatible device and disconnect the power adapter and battery before installing or removing memory modules.
- Discharge static electricity by touching a grounded metal object (such as an unpainted metal part of your computer's chassis) before handling the module.
- Handle the memory module by its edges to avoid touching the gold connectors or integrated circuits, as this can cause damage.
- Keep the module away from liquids, excessive dust, and extreme temperatures.

PACKAGE CONTENTS

Verify that your package contains the following item:

- One (1) Samsung 16GB DDR4 PC4-21300 2666MHz 260-pin SODIMM RAM Module.

SETUP (INSTALLATION)

Follow these steps to properly install the Samsung 16GB DDR4 SODIMM module into your compatible device:

1. **Preparation:** Power off your laptop or compatible device completely. Disconnect the power adapter and remove the battery (if applicable). Open the device's memory compartment, typically located on the underside or under the

keyboard, according to your device's service manual.

2. **Static Discharge:** Before touching any internal components, touch a metal part of the device's chassis to discharge any static electricity from your body.
3. **Locate Memory Slots:** Identify the existing memory modules (if any) and the available SODIMM slots. If you are replacing an existing module, gently push the retention clips on either side of the module outwards to release it, then carefully pull the module out of the slot.
4. **Install New Module:** Align the notch on the Samsung 16GB DDR4 SODIMM module with the key in the memory slot. Insert the module at a 45-degree angle, applying firm, even pressure until it is fully seated in the slot.
5. **Secure Module:** Gently push the module down until the retention clips on both sides snap into place, securing the module horizontally. Ensure both clips are fully engaged.
6. **Reassembly:** Close the memory compartment cover, re-install the battery (if removed), and reconnect the power adapter.
7. **Verification:** Power on your device. The system should automatically detect the new memory. You can verify the installed RAM capacity in your operating system's system information or within the BIOS/UEFI settings.



Image showing the Samsung 16GB DDR4 SODIMM RAM module, highlighting its compact form factor and integrated circuits.

OPERATING (USAGE)

Once installed and recognized by your system, the Samsung 16GB DDR4 SODIMM module operates automatically. It functions as an integral part of your device's memory system, enhancing multitasking capabilities and overall performance by providing more available memory for applications and processes. No specific user interaction is required for its operation after successful installation.

MAINTENANCE

Memory modules generally require no routine maintenance. To ensure the longevity and proper function of your RAM module and other internal components, it is recommended to keep the device's interior clean and free of dust. This helps maintain proper airflow and prevents overheating.

If you need to remove or re-install the module for any reason, always follow the safety and installation guidelines outlined in the 'Setup' section of this manual.

TROUBLESHOOTING

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

- **System Does Not Boot or Recognize New RAM:**
 - Ensure the module is correctly seated in its slot. Remove and re-insert it, making sure the retention clips snap into place securely.
 - Verify that your device's motherboard and CPU support DDR4 SODIMM memory at 2666MHz and 16GB capacity. Consult your device's manufacturer specifications or service manual.
 - Try installing the module in a different memory slot if available.
 - If installing multiple modules, try installing them one by one to identify a potentially faulty module or slot.
- **System Instability or Blue Screens:**
 - Intermittent system instability or blue screen errors can sometimes indicate a memory issue. Re-check the seating of the module.
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic, MemTest86) to check for errors.

If issues persist after following these steps, contact your device manufacturer or a qualified technician for further assistance.

SPECIFICATIONS

Brand	Samsung
Memory Capacity	16 GB
Memory Type	DDR4 SODIMM
Speed	2666 MHz (PC4-21300)
Pin Count	260-pin
Voltage	1.2V
CAS Latency	CL 19
Form Factor	SODIMM
Model Number	M471A2K43CB1-CTD
UPC	634158069352

WARRANTY AND SUPPORT

This Samsung memory module is covered by a manufacturer's warranty. For specific warranty terms and conditions, including duration and coverage details, please refer to the documentation provided with your purchase or visit the official

Samsung website for the most current information.

For technical support, troubleshooting assistance beyond the scope of this manual, or to inquire about warranty claims, please contact Samsung customer service through their official support channels. Have your product model number (M471A2K43CB1-CTD) and proof of purchase ready when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question