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> [Crucial 16GB DDR5 RAM Kit \(2x8GB\) 4800MHz UDIMM Desktop Memory Instruction Manual](#)

Crucial CT2K8G48C40U5

Crucial 16GB DDR5 RAM Kit (2x8GB) 4800MHz UDIMM Desktop Memory

Model: CT2K8G48C40U5

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Crucial 16GB DDR5 RAM Kit. Designed for high-speed performance, this memory kit enhances multitasking, gaming, and demanding application performance on compatible desktop systems. Please read this manual thoroughly before installation and retain it for future reference.

SAFETY INFORMATION

Observe the following safety precautions to prevent damage to your system or injury:

- Always disconnect your computer from the power source before installing or removing components.
- Ground yourself by touching an unpainted metal surface on your computer chassis to discharge static electricity before handling memory modules.
- Handle memory modules by their edges to avoid touching the gold connectors or integrated circuits.
- Do not apply excessive force when inserting memory modules into slots.

COMPATIBILITY

The Crucial 16GB DDR5 RAM Kit (CT2K8G48C40U5) is compatible with desktop systems featuring 13th Gen Intel Core processors and AMD Ryzen 7000 Series CPUs. It supports Intel XMP 3.0 and AMD EXPO for optimized performance profiles. Verify your motherboard's compatibility with DDR5 UDIMM memory before installation.

SETUP (INSTALLATION)

Follow these steps to install your Crucial DDR5 RAM modules:

1. Prepare Your System:

- Power down your computer completely and unplug the power cable from the wall outlet.
- Open your computer case to access the motherboard.
- Ground yourself to prevent electrostatic discharge.

2. Locate Memory Slots:

Identify the DDR5 memory slots on your motherboard. Consult your motherboard manual for the correct slot configuration for dual-channel operation.

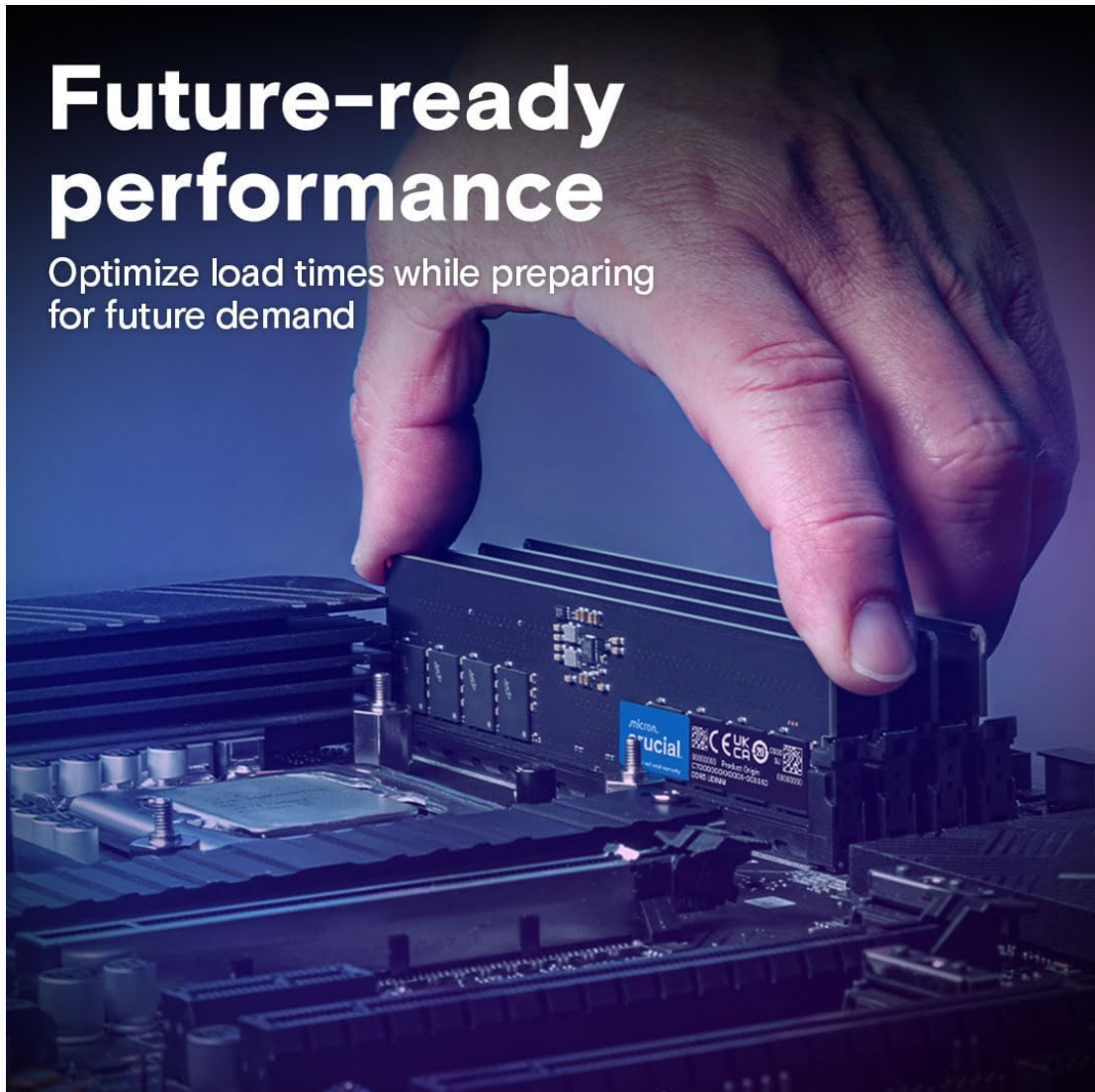


Image: A view of a desktop computer motherboard with RAM slots visible, indicating where the memory modules will be installed.

3. Open Retention Clips:

Gently push open the retention clips at both ends of the memory slot(s).

4. Insert Memory Module:

Align the notch on the bottom of the DDR5 memory module with the key in the memory slot. Ensure the module is oriented correctly. Place the module into the slot and press down firmly on both ends simultaneously until the retention clips snap into place.

Flexible compatibility

Supports Intel® XMP 3.0 and AMD EXPO™

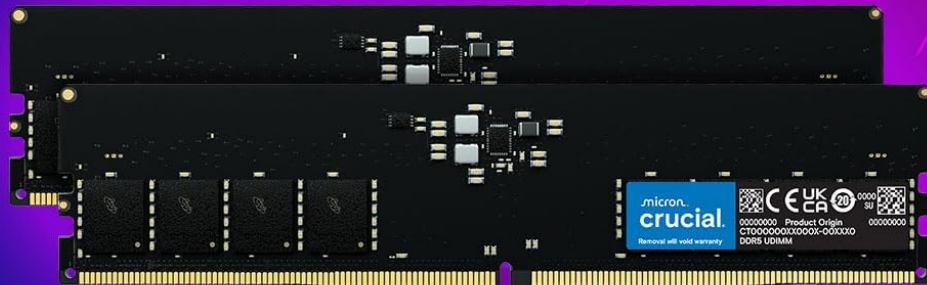


Image: A hand carefully inserting a Crucial DDR5 RAM module into an open memory slot on a motherboard.

5. **Verify Installation:**

Confirm that both retention clips are securely closed and the module is seated evenly in the slot. Repeat for the second module if installing a kit.

Boost your multitasking power with up to 128GB DRAM



Up to
5,600MHz

**8GB, 12GB, 16GB, 24GB,
32GB, 48GB, 64GB, 128GB**

Image: Two Crucial DDR5 RAM modules held in a hand, showcasing their design before installation.

6. Close Case and Power On:

Close your computer case, reconnect the power cable, and power on your system. The system should automatically detect the new memory.

Official Product Overview Video

Video: An official Crucial video providing an overview of the DDR5 4800MHz Desktop UDIMM DRAM, highlighting its features and benefits.

OPERATING (USAGE)

Once installed, your Crucial DDR5 RAM will operate automatically. Key benefits include:

- **Enhanced System Performance:** The 4800MHz speed and DDR5 architecture provide faster data rates and increased bandwidth compared to DDR4, leading to improved overall system responsiveness.
- **Smoother Multitasking:** With 16GB of high-speed memory, you can run multiple applications simultaneously without experiencing slowdowns.
- **Accelerated Gaming:** Experience quicker load times and higher frame rates in games due to the increased memory bandwidth.
- **Optimized for Demanding Tasks:** Ideal for content creation, 4K video editing, and data processing, ensuring efficient handling of memory-intensive workloads.

- **Energy Efficiency:** DDR5 technology offers improved power efficiency, contributing to a cooler and more stable system.

MAINTENANCE

DDR5 RAM modules generally require minimal maintenance. Consider the following for optimal performance and longevity:

- **Keep System Clean:** Regularly clean the interior of your computer case to prevent dust buildup, which can impede airflow and cause overheating.
- **Firmware Updates:** Ensure your motherboard's BIOS/UEFI firmware is up to date, as updates often include memory compatibility and performance improvements.
- **Avoid Physical Damage:** Handle modules carefully during installation or removal. Avoid bending or dropping them.

TROUBLESHOOTING

If you encounter issues after installing your RAM, consider these common troubleshooting steps:

- **System Not Booting/No Display:**
 - Ensure modules are fully seated in their slots and retention clips are closed.
 - Try installing only one module at a time to identify a potentially faulty stick or slot.
 - Clear your motherboard's CMOS (refer to your motherboard manual).
- **Incorrect RAM Capacity Detected:**
 - Verify all modules are correctly seated.
 - Check your motherboard's BIOS/UEFI settings to ensure the correct memory amount is recognized.
 - Update your motherboard's BIOS/UEFI firmware.
- **System Instability/Crashes:**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic) to check for errors.
 - Ensure your system's cooling is adequate to prevent overheating.

SPECIFICATIONS

Feature	Detail
Brand	Crucial
Model Number	CT2K8G48C40U5
Memory Type	DDR5 UDIMM
Capacity	16GB Kit (2 x 8GB)
Speed	4800MHz (PC5-38400)
CAS Latency	CL40

Feature	Detail
Pin Count	288-pin
Voltage	1.1V
ECC Type	Non-ECC
Form Factor	UDIMM
Dimensions (LxWxH)	5.25 x 0.16 x 1.23 inches
Item Weight	0.635 ounces

WARRANTY AND SUPPORT

Crucial memory products are backed by a limited lifetime warranty. For detailed warranty information, technical support, or to register your product, please visit the official Crucial website or contact their customer service. Keep your proof of purchase for warranty claims.

Online Resources:

- Crucial Support Page: www.crucial.com/support
- Product Registration: www.crucial.com/register