

[Manuals.plus](#) /

> [A-Tech](#) /

> A-Tech 8GB DDR5 4800MHz Desktop Memory Module Instruction Manual

A-Tech MTC4C10163S1UC48B-ATC

A-Tech 8GB DDR5 4800MHz Desktop Memory Module Instruction Manual

Model: MTC4C10163S1UC48B-ATC

1. INTRODUCTION

The A-Tech 8GB DDR5 4800MHz Desktop Memory Module (MTC4C10163S1UC48B-ATC) is designed to enhance the performance of compatible desktop computers and workstations. This module provides 8GB of DDR5 memory operating at 4800MHz, offering improved speed and efficiency for multitasking and data processing. It is a compatible replacement for the Micron MTC4C10163S1UC48B module.



Image 1.1: A-Tech 8GB DDR5 4800MHz Desktop Memory Module. This image displays the memory module with its label showing specifications like 8GB DDR5 PC5-38400 4800MHz 1Rx16 1.1V.

NEXT-GEN DDR5

Engineered for next-gen computing, DDR5 memory provides improved stability, efficiency, and bandwidth over previous generations of memory

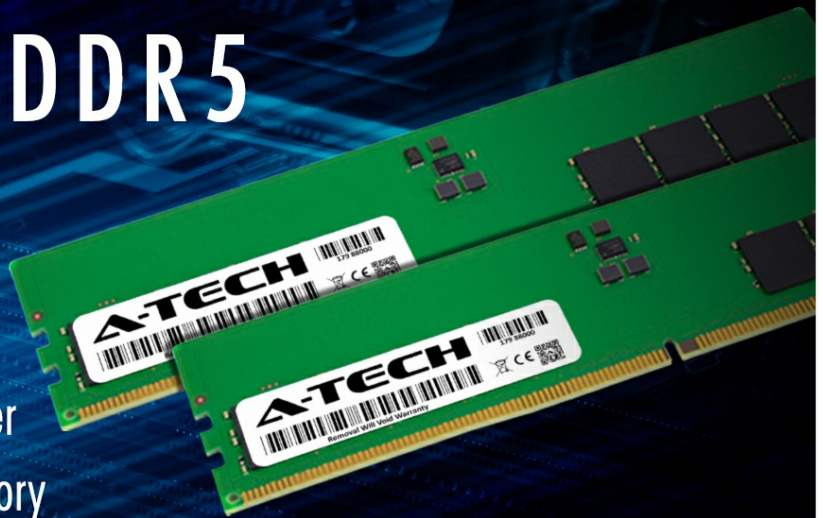


Image 1.2: DDR5 provides improved performance over previous generations of memory. This image highlights the benefits of DDR5 technology, including enhanced stability, efficiency, and bandwidth.

2. SETUP AND INSTALLATION

Installing the A-Tech DDR5 memory module requires careful handling and adherence to safety procedures. Always refer to your computer system's manual for specific instructions regarding memory seating and channel guidelines, as procedures may vary between motherboard models.

2.1 Safety Precautions

- **Static Electricity:** Before handling the memory module, discharge any static electricity by touching a grounded metal object (e.g., the unpainted metal chassis of your computer). Consider using an anti-static wrist strap.
- **Power Off:** Ensure your computer is completely powered off and unplugged from the wall outlet before opening the case.
- **Handle with Care:** Always hold the memory module by its edges, avoiding contact with the gold connectors or the integrated circuits.

2.2 Installation Steps

1. **Open Computer Case:** Carefully open your computer's side panel to access the motherboard.
2. **Locate DIMM Slots:** Identify the DDR5 DIMM slots on your motherboard. These are typically long slots with retention clips on both ends.
3. **Open Retention Clips:** Gently push the retention clips on both ends of the chosen DIMM slot outwards to open them.
4. **Align Module:** Align the notch on the A-Tech DDR5 memory module with the corresponding key in the DIMM slot. DDR5 modules have a specific notch placement to prevent incorrect insertion.
5. **Insert Module:** Place the module into the slot and apply even, firm pressure to both ends until the retention clips snap into place, securing the module. Do not force the module if it does not seat easily; re-check alignment.
6. **Close Case:** Once the module is securely installed, close your computer's side panel.
7. **Power On:** Plug in your computer and power it on. The system should automatically detect the new memory.



Image 2.1: Compatible with Desktop Computers and PCs. This image illustrates the compatibility of the A-Tech DDR5 memory module with various desktop computer setups, including gaming rigs and workstations.

3. OPERATING INSTRUCTIONS

Once properly installed, the A-Tech DDR5 memory module operates automatically with your system's motherboard and operating system. No specific user interaction is required for its basic function. The module will provide the specified memory capacity and speed to your system.

3.1 Verifying Installation

After installation, it is recommended to verify that your system recognizes the new memory module and is operating at the correct specifications:

- **Windows:** Right-click on the Taskbar, select "Task Manager," then go to the "Performance" tab and click on "Memory." You should see the total installed RAM and its speed.
- **macOS:** Click the Apple menu, select "About This Mac," then click "System Report." Under "Memory," you can view the installed RAM.
- **Linux:** Open a terminal and type `free -h` or `sudo lshw -short -C memory` to view memory details.
- **BIOS/UEFI:** Access your system's BIOS or UEFI settings during startup (usually by pressing Del, F2, F10, or F12) to confirm the memory is detected and running at the expected speed.



Image 3.1: Multitask with Ease. This image depicts a user efficiently working with multiple applications across two monitors, demonstrating the benefit of increased RAM for improved multitasking capabilities.

4. MAINTENANCE

A-Tech DDR5 memory modules are designed for long-term reliability and typically require no user maintenance. However, general computer maintenance practices can help ensure optimal performance and longevity of all components, including RAM.

- **Keep System Clean:** Regularly clean the interior of your computer case to prevent dust buildup, which can impede airflow and lead to overheating. Use compressed air to gently remove dust from components and fans.
- **Proper Handling:** If you ever need to remove or re-install the memory module, always follow the safety precautions outlined in Section 2.1 and handle the module by its edges.

- **Environmental Conditions:** Ensure your computer operates in a well-ventilated area with stable temperature and humidity to prevent stress on electronic components.

5. TROUBLESHOOTING

If you encounter issues after installing your A-Tech DDR5 memory module, consider the following troubleshooting steps:

5.1 Common Issues and Solutions

- **System Does Not Boot / No Display:**
 - Ensure the memory module is fully seated in its slot and the retention clips are closed.
 - Try re-seating the module.
 - If multiple modules are installed, try booting with only one module at a time to identify a potentially faulty module or slot.
 - Verify that the module is compatible with your motherboard's specifications (DDR5, DIMM, Non-ECC, speed).
- **Incorrect Memory Capacity or Speed Detected:**
 - Check your system's BIOS/UEFI settings to confirm the detected memory capacity and speed.
 - Ensure your motherboard supports the 4800MHz speed. Some motherboards may default to a lower speed, which can often be adjusted in BIOS/UEFI.
 - Update your motherboard's BIOS/UEFI to the latest version, as this can improve memory compatibility and detection.
- **System Instability / Crashes / Blue Screens:**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic, MemTest86) to check for errors in the memory module.
 - Ensure your system's power supply unit (PSU) is adequate for all installed components.
 - Check for proper cooling within your computer case to prevent overheating.

If these steps do not resolve the issue, please contact A-Tech Technical Support for further assistance.

6. SPECIFICATIONS

The following table details the technical specifications for the A-Tech 8GB DDR5 4800MHz Desktop Memory Module (MTC4C10163S1UC48B-ATC):

Feature	Specification
Module Capacity	8GB (1x 8GB)
Memory Type	DDR5 SDRAM
Memory Speed	4800MHz (PC5-38400)
Form Factor	288-Pin DIMM
Error Correction	Non-ECC

Feature	Specification
Rank	1Rx16 (Single Rank x16)
Voltage	1.1V
Model Number	MTC4C10163S1UC48B-ATC
Compatible Replacement For	Micron MTC4C10163S1UC48B
Product Dimensions (LxWxH)	5.25 x 1.18 x 0.15 inches (133.35 x 31.24 x 3.81 mm)
Item Weight	0.5 ounces
Compatible Devices	Desktop Computers, Workstations

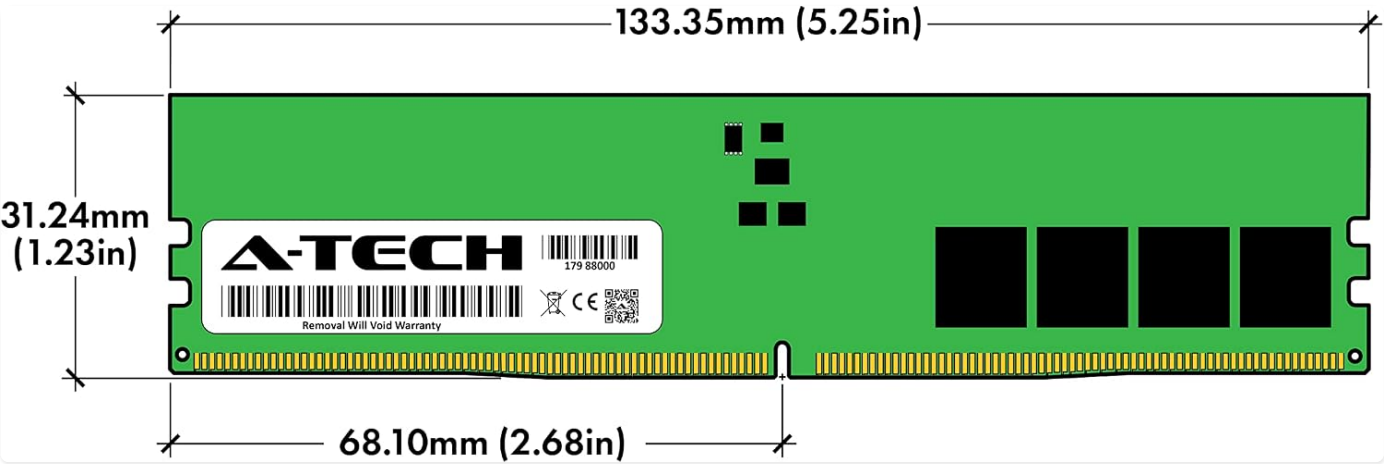


Image 6.1: A-Tech DDR5 RAM Module Dimensions. This diagram illustrates the physical dimensions of the memory module, including its length (133.35mm / 5.25in) and height (31.24mm / 1.23in).

7. WARRANTY AND SUPPORT

A-Tech is committed to providing high-quality products and customer satisfaction.

7.1 Lifetime Warranty

A-Tech provides a Lifetime Warranty for all memory modules. This warranty covers defects in materials and workmanship for the lifetime of the product. For detailed terms and conditions, please refer to the official A-Tech website.

7.2 Technical Support

Complimentary United States based Technical Support is available before, during, and after your purchase. If you have any questions regarding installation, compatibility, or troubleshooting, please do not hesitate to contact A-Tech support.

For support and more information, please visit the official A-Tech website:atechmemory.com



Image 7.1: All A-Tech memory RAM modules undergo extensive quality control testing. This image emphasizes the rigorous testing process A-Tech products undergo to ensure dependable and reliable performance.

© 2024 A-Tech. All rights reserved.

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

Open the live page

<https://manuals.plus/asin/B0DF4J4CPQ>

More documents and user manuals: <https://manuals.plus/>