

- Manuals.plus /
- › A-Tech /
 - › A-Tech 8GB DDR4 2400MHz SODIMM Memory Module User Manual

A-Tech 8GB DDR4 2400MHz PC4-19200 SODIMM

A-Tech 8GB DDR4 2400MHz SODIMM Memory Module User Manual

Comprehensive guide for installation, operation, and maintenance.

PRODUCT OVERVIEW

This manual provides essential information for the A-Tech 8GB DDR4 2400MHz SODIMM Memory Module. This module is designed to enhance the performance of compatible laptops, mini PCs, and All-in-One (AIO) systems by speeding up loading times, boosting responsiveness, and improving multitasking capabilities.

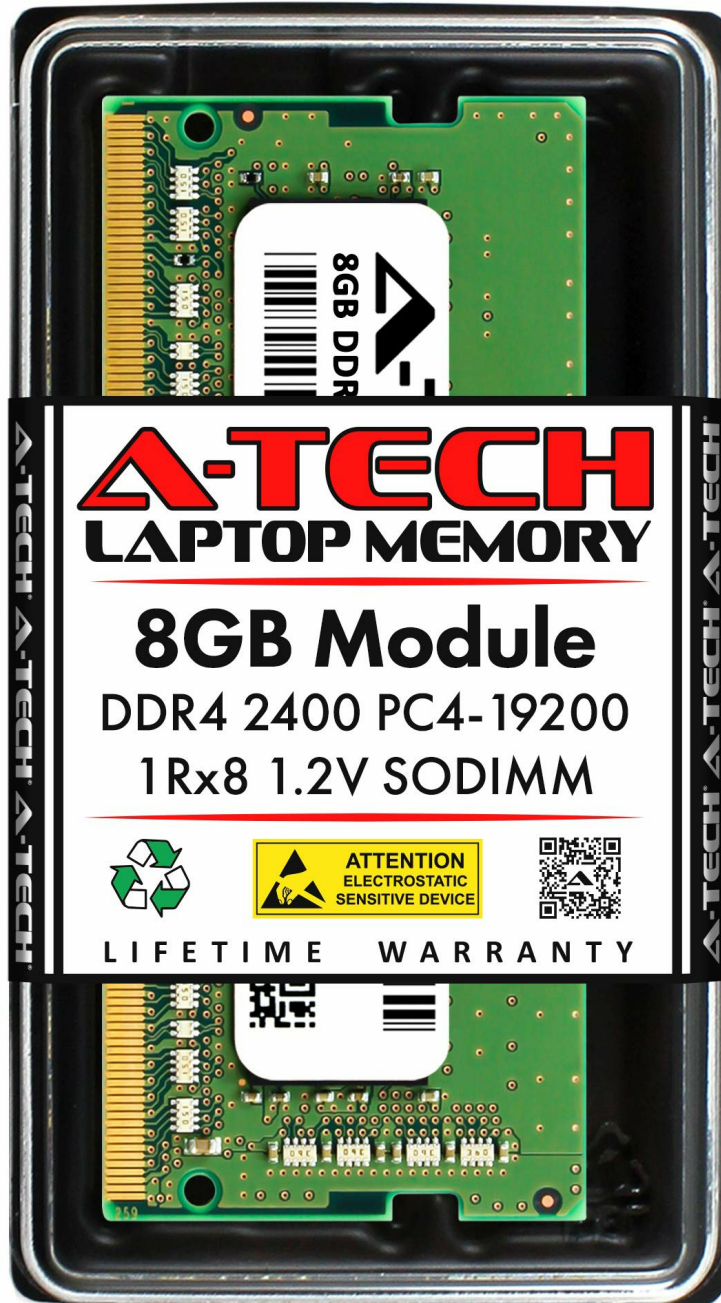


Image: Front view of the A-Tech 8GB DDR4 SODIMM memory module, clearly showing the label with specifications such as 'A-TECH', '8GB DDR4 PC4-19200/2400MHz', '1Rx8 1.2V'.



Image: A-Tech RAM undergoing extensive quality control testing to ensure dependable performance, illustrating the brand's commitment to reliability.

SPECIFICATIONS

The A-Tech 8GB DDR4 2400MHz SODIMM module features the following technical specifications:

Feature	Detail
Brand	A-Tech
Memory Size	8 GB (1 x 8 GB Module)
Technology	DDR4
Speed	2400 MHz (PC4-19200 / PC4-2400T)
Form Factor	SO-DIMM (260-Pin)
Error Correction	Non-ECC Unbuffered
Voltage	1.2V
Rank	1Rx8 - Single Rank x8
CAS Latency	CL17
Compatible Devices	AIO, Laptop (select Desktops)

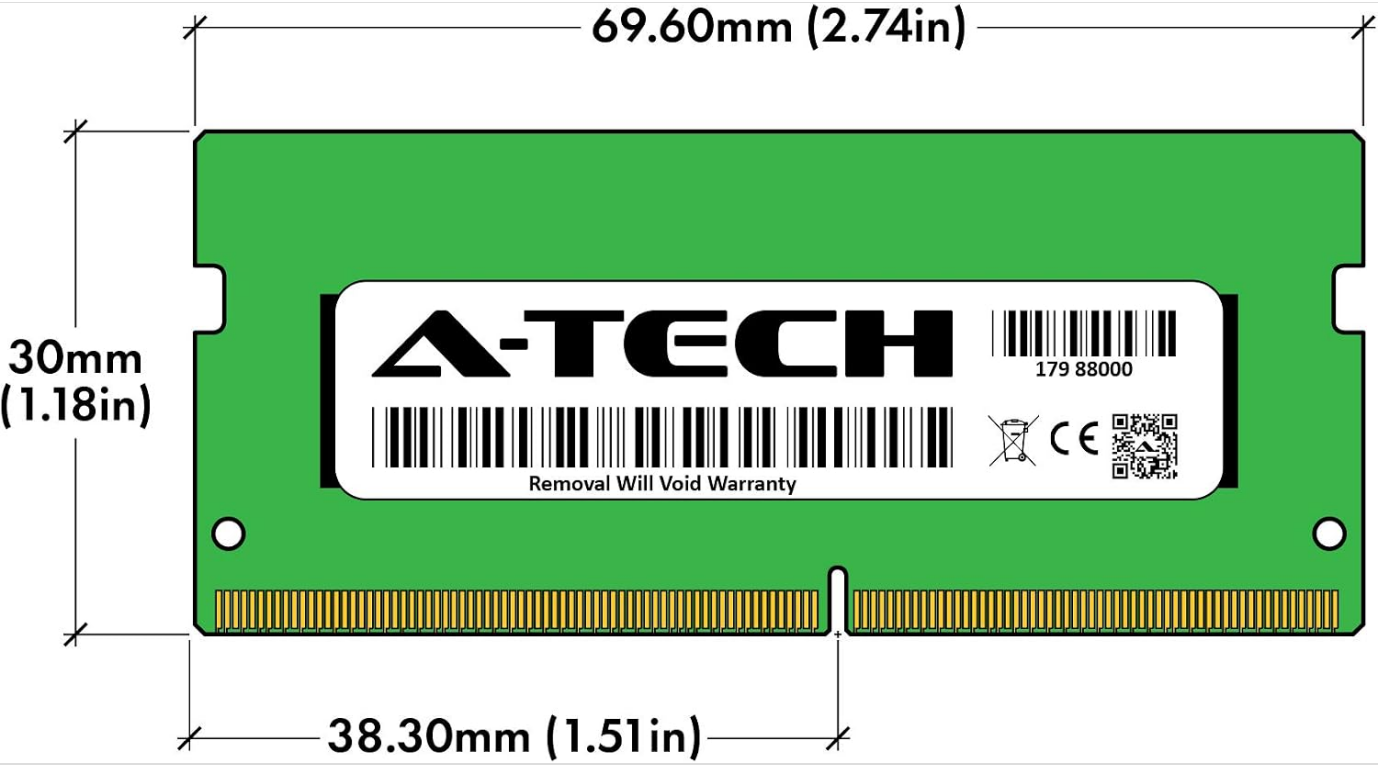


Image: Diagram illustrating the physical dimensions of the A-Tech SODIMM module, showing a length of 69.60mm (2.74in) and a height of 30mm (1.18in).

INSTALLATION GUIDE

Safety Precautions

- Always power off your system completely and disconnect the power adapter before beginning installation.
- Discharge static electricity by touching a grounded metal object (e.g., an unpainted metal part of your computer chassis) before handling the memory module.
- Handle the memory module by its edges only to avoid touching the gold connectors or integrated circuit chips.

Steps for Installation

1. **Prepare Your System:** Ensure your laptop or AIO system is fully powered down. Disconnect the power cord and remove the battery if it's a laptop.
2. **Access Memory Slots:** Consult your system's user manual for specific instructions on how to open the case and locate the memory slots. This typically involves removing a back panel or accessing a compartment.
3. **Remove Existing Modules (if applicable):** If you are replacing existing RAM, gently push the small retention clips on both sides of the memory module outwards. The module will pop up at an angle. Carefully pull it out of the slot.
4. **Install New Module:** Align the notch on the A-Tech SODIMM module with the key in the memory slot. Insert the module firmly into the slot at approximately a 45-degree angle.
5. **Secure the Module:** Once inserted, push the module down until the retention clips on both sides snap into place, securing the module horizontally.
6. **Reassemble and Power On:** Carefully close your system's case, reconnect the battery (if removed), and plug in the power cord. Power on your system.



Image: A laptop screen displaying a rocket taking off, symbolizing a performance upgrade. The accompanying text highlights how A-Tech Memory reduces bottlenecks and boosts laptop performance.

OPERATION AND VERIFICATION

After successful installation, your system should automatically detect the newly installed RAM. To verify that the memory module is functioning correctly:

1. **Boot System:** Turn on your computer. It should boot normally.
2. **Check System Information:** Once your operating system loads, navigate to its system information utility.
 - **Windows:** Right-click on 'This PC' or 'My Computer', select 'Properties', or open Task Manager (Ctrl+Shift+Esc) and go to the 'Performance' tab, then 'Memory'.

- **macOS:** Click the Apple menu, then 'About This Mac'.
- **Linux:** Use commands like `free -h` or `lshw -short -C memory` in the terminal, or check system settings.

Confirm that the total installed RAM reflects the addition of the 8GB module.

3. **BIOS/UEFI Check (Optional):** For advanced verification, you can enter your system's BIOS/UEFI settings during startup (usually by pressing F2, Del, F10, or F12, depending on your system) to confirm the detected memory.

MAINTENANCE

A-Tech memory modules are built for durability and typically require minimal maintenance. Adhering to these guidelines will help ensure their longevity:

- **Keep Clean:** Periodically ensure that the internal components of your computer, especially around the memory slots, are free from dust and debris. Dust accumulation can hinder airflow and lead to overheating.
- **Avoid Physical Damage:** Protect the memory module from physical impact, bending, or excessive force. Do not attempt to modify the module.
- **Proper Storage:** If you need to store the module, place it in an anti-static bag and keep it in a cool, dry environment away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Common Issues and Solutions

System Does Not Boot or Emits Beep Codes:

This is a common indicator of a memory installation issue. Power off the system, disconnect power, and carefully re-seat the memory module firmly in its slot. Ensure the retention clips are fully engaged and that the module's notch is correctly aligned with the slot's key.

System Boots but Does Not Recognize the Full Memory:

Verify that the module is fully seated in its slot. Check your system's BIOS/UEFI settings to confirm if the memory is detected there. Some older systems or operating systems might have limitations on the maximum amount of RAM they can address. Refer to your system's manual for compatibility information.

System Instability or Blue Screens of Death (BSOD):

While rare for new modules, this could indicate a faulty module or an incompatibility. First, try re-seating the module. If issues persist, test the module in another compatible system if possible. If the problem continues, contact A-Tech support for further assistance.

WARRANTY AND SUPPORT

A-Tech stands behind its products with a **Lifetime Warranty** for all orders. This warranty covers defects in materials and workmanship, ensuring long-term reliability for your purchase.

Additionally, A-Tech offers complimentary United States-based Technical Support. Their team is available to assist you before, during, and after your purchase with any questions or issues you may encounter.

For technical assistance, warranty claims, or more information, please visit the official A-Tech website:

Official Website: atechmemory.com

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/B09F1Q4PTJ>

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