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› A-Tech 8GB DDR4 3200MHz Memory Module User Manual

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A-Tech 8GB DDR4 3200MHz Memory Module User Manual

Model: 8GB DDR4 3200MHz | Brand: A-Tech

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your A-Tech 8GB DDR4 3200MHz PC4-25600 DIMM memory module. This module is designed to enhance the performance of compatible systems, specifically the Lenovo Legion T5 26AMR5 and 26IOB6 Gaming Desktop Models (Machine Types: 90RB, 90RC, 90RS, 90RT).

An A-Tech memory upgrade can significantly improve your system's responsiveness, reduce loading times, and increase its capacity to handle demanding applications and multitasking.

PRODUCT OVERVIEW

The A-Tech 8GB DDR4 3200MHz memory module is a high-performance component designed for desktop computers. It adheres to the DDR4 standard, offering efficient data transfer rates and low power consumption.





Figure 1: A-Tech 8GB DDR4 3200MHz memory module in its protective retail packaging. The packaging highlights key specifications such as DDR4 3200MHz PC4-25600, Non-ECC DIMM 1.2V, and includes a QR code for additional information.

For more information, visit: atechmemory.com/pages/qr

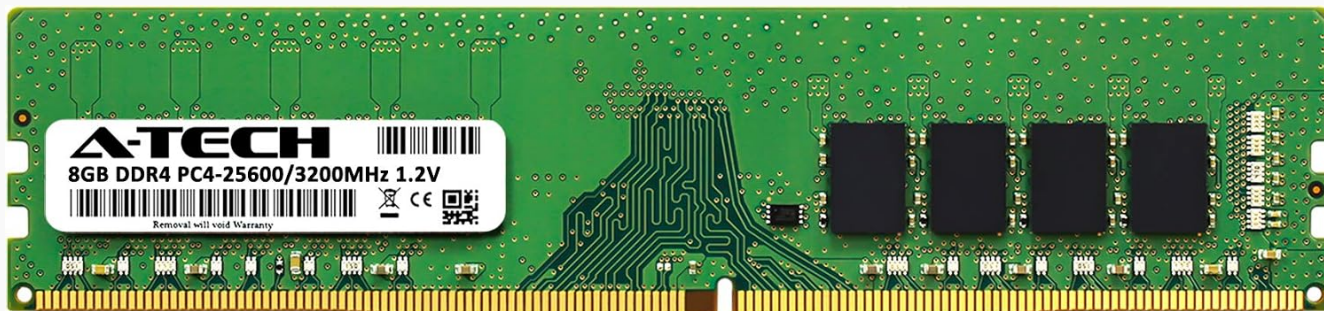


Figure 2: Front view of the A-Tech 8GB DDR4 3200MHz memory module. This image displays the green PCB, the black memory chips, and the product label indicating "A-TECH 8GB DDR4 PC4-25600/3200MHz 1.2V".

DDR4 SDRAM
DIMM (288-Pin) | Speeds up to
3200MHz (PC4-25600)

A perspective view of the memory module against a dark background with red diagonal streaks. The text "3200MHz" is written in large, glowing orange letters across the module. The A-Tech label and gold pins are visible.

3200MHz

BOOST PERFORMANCE

Rejuvenate your system by speeding up loading times and
boosting responsiveness

Figure 3: The memory module highlighted with text emphasizing its ability to boost system performance by speeding up loading times and improving responsiveness. The image shows the module at an angle with "3200MHz" prominently displayed.



MULTITASK WITH EASE

Take on more at once by expanding your system's available memory (RAM) resources

Figure 4: An illustration demonstrating the benefit of increased memory for multitasking. A user is shown working on multiple applications across two monitors, symbolizing the enhanced capacity to handle higher workloads.

SPECIFICATIONS

Feature	Detail
Memory Size	Single 8 GB Module
Memory Type	DDR4
Form Factor	DIMM (288-Pin)
Speed	3200 MHz (PC4-25600 / PC4-3200AA)
ECC Type	Non-ECC UDIMM (Unbuffered DIMM)
Voltage	1.2V

Feature	Detail
Compatible Devices	Lenovo Legion T5 26AMR5, 26IOB6 Gaming Desktop Models (Machine Types: 90RB, 90RC, 90RS, 90RT)
Product Dimensions (LxWxH)	5.25 x 1.23 x 0.15 inches (133.35 x 31.24 x 3.81 mm)
Item Weight	0.8 ounces
Manufacturer	A-Tech
Country of Origin	USA

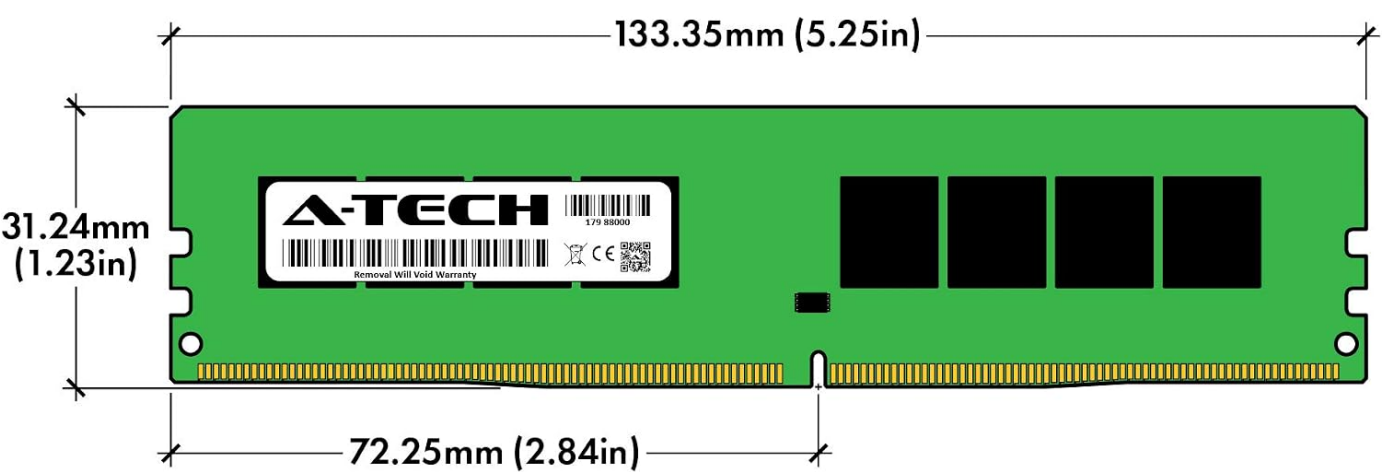


Figure 5: Dimensional drawing of the A-Tech DDR4 memory module, indicating a length of 133.35mm (5.25in) and a height of 31.24mm (1.23in).

SETUP AND INSTALLATION

Installing the A-Tech memory module is a straightforward process. However, it is crucial to follow proper safety procedures to prevent damage to your computer components or personal injury. Always refer to your computer's specific manual for detailed instructions on accessing and upgrading memory, as procedures may vary by model.

Safety Precautions:

- **Disconnect Power:** Before opening your computer case, ensure the system is completely powered off and unplugged from the wall outlet.
- **Ground Yourself:** To prevent electrostatic discharge (ESD), which can damage sensitive electronic components, touch a grounded metal object (like the unpainted metal chassis of your computer) before handling the memory module. Consider using an anti-static wrist strap.
- **Handle with Care:** Hold the memory module by its edges, avoiding contact with the gold connectors or the integrated circuits.

Installation Steps:

1. **Prepare Your System:** Power down your computer, unplug all cables, and open the computer case.
2. **Locate Memory Slots:** Identify the DIMM slots on your motherboard. These are typically near the CPU. Your Lenovo Legion T5 desktop will have specific slots for DDR4 DIMMs.
3. **Open Retention Clips:** Gently push the white retention clips at each end of the DIMM slot outwards to open them.
4. **Align the Module:** Carefully align the notch on the bottom edge of the A-Tech memory module with the key in the DIMM slot. The module is designed to fit in only one orientation. Do not force it.

5. **Insert the Module:** With the module aligned, press down firmly and evenly on both ends of the module until the retention clips snap into place, securing the module. You should hear a click.
6. **Verify Installation:** Visually inspect the module to ensure it is seated correctly and the clips are fully engaged. There should be no gap between the module and the slot.
7. **Close Case and Power On:** Close your computer case, reconnect all cables, and power on your system. The system should automatically detect the new memory.

If your system does not boot or recognize the new memory, refer to the Troubleshooting section of this manual or your computer's documentation.

OPERATING CONSIDERATIONS

Once installed, the A-Tech memory module operates automatically with your system's motherboard and operating system. No specific user interaction is required for its daily function.

- **System Performance:** The primary function of the memory module is to provide fast access data storage for your CPU. An upgrade to 8GB DDR4 3200MHz will directly contribute to improved application loading times, smoother multitasking, and overall system responsiveness.
- **BIOS/UEFI Settings:** In most cases, the motherboard's BIOS/UEFI will automatically detect and configure the new memory module to its optimal speed (3200MHz). If you encounter issues or wish to verify the speed, you can access your system's BIOS/UEFI settings during startup. Consult your motherboard or system manual for instructions on accessing these settings.
- **Operating System Recognition:** Your operating system (e.g., Windows, Linux) should display the updated total amount of installed RAM in system information utilities.

MAINTENANCE

Memory modules are solid-state components and generally require minimal maintenance. However, proper handling and environmental conditions are important for their longevity.

- **Dust Prevention:** Keep your computer's interior clean from dust buildup, which can impede airflow and lead to overheating. Use compressed air to gently clear dust from components, including memory modules, periodically. Ensure the system is powered off and unplugged before cleaning.
- **Temperature Control:** Ensure your computer operates within recommended temperature ranges. Excessive heat can degrade electronic components over time. Maintain good airflow within the case.
- **Physical Handling:** Avoid unnecessary removal or re-installation of the module. If handling is required, always follow the safety precautions outlined in the Setup and Installation section.

TROUBLESHOOTING

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

Common Issues and Solutions:

- **System Does Not Boot / No Display:**
 - **Reseat the Module:** Power off and unplug the computer. Open the case and carefully remove and re-insert the memory module, ensuring it is fully seated and the retention clips are locked.
 - **Check Compatibility:** Double-check that the memory module is compatible with your specific Lenovo Legion T5 model. Refer to the Specifications section and your computer's manual.
 - **Test Original Memory:** If possible, re-install your original memory modules to confirm the system boots.

correctly. This helps isolate whether the issue is with the new module or another component.

- **Test New Module in Different Slot:** If your motherboard has multiple slots, try installing the new module in a different slot.

- **Incorrect Memory Amount Detected:**

- **Reseat the Module:** As above, ensure the module is fully seated. A partially seated module may not be fully recognized.
- **Check BIOS/UEFI:** Enter your system's BIOS/UEFI settings (usually by pressing DEL, F2, or F10 during startup) to verify the detected memory amount. Ensure XMP/DOCP profiles are correctly configured if applicable, though for standard UDIMM, this is often automatic.
- **Operating System Updates:** Ensure your operating system is up to date, as some updates can improve hardware recognition.

- **System Instability / Blue Screens (BSOD):**

- **Memory Test:** Run a memory diagnostic tool (e.g., Windows Memory Diagnostic, MemTest86) to check for errors.
- **BIOS/UEFI Update:** Check your motherboard manufacturer's website for the latest BIOS/UEFI updates. Sometimes, updates improve memory compatibility and stability.
- **Voltage Check:** Ensure the memory is receiving the correct voltage (1.2V for DDR4). This is usually automatic but can be manually checked in BIOS/UEFI.

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

WARRANTY AND SUPPORT

All A-Tech Memory products are rigorously tested to ensure they meet stringent quality and performance standards.

Limited Lifetime Warranty:

A-Tech offers a Limited Lifetime Warranty on all its memory modules. This warranty covers defects in materials and workmanship for the lifetime of the product. Please retain your proof of purchase for warranty claims.

Technical Support:

A-Tech provides dedicated US-based technical support to assist you with any questions or issues before, during, or after your purchase. For support, please refer to the contact information provided on the A-Tech website or your product packaging.

For the most up-to-date support information and contact details, please visit the official A-Tech website.

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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