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› [A-Tech 32GB DDR4 3200MHz RAM Module Instruction Manual for ASUS ROG Strix B560-E/B560-G Motherboards](#)

A-Tech 32GB DDR4 3200MHz PC4-25600 DIMM 2Rx8 1.2V 288-Pin Non-ECC UDIMM

A-Tech 32GB DDR4 3200MHz RAM Module Instruction Manual

FOR ASUS ROG STRIX B560-E GAMING WiFi AND B560-G GAMING WiFi MOTHERBOARDS

1. Introduction

This manual provides essential information and step-by-step instructions for the proper installation, operation, and maintenance of your A-Tech 32GB DDR4 3200MHz PC4-25600 Non-ECC UDIMM Memory Module. Adhering to these guidelines will ensure optimal performance and longevity of your memory upgrade.



Image 1.1: A-Tech 32GB DDR4 RAM module in its retail packaging.

2. Product Specifications

Feature	Specification
Memory Capacity	32GB (1 x 32GB Module)
Memory Type	DDR4 DIMM
Speed	3200MHz (PC4-25600)
Pin Count	288-Pin
Error Correction	Non-ECC Unbuffered (UDIMM)
Rank	2Rx8 - Dual Rank x8
Voltage	1.2V
Dimensions (LxWxH)	133.35mm x 31.24mm x 3.81mm (5.25 x 1.23 x 0.15 inches)
Weight	0.8 ounces
Compatible Devices	ASUS ROG Strix B560-E Gaming WiFi, B560-G Gaming WiFi Motherboards



Image 2.1: Physical dimensions of the A-Tech DDR4 RAM module.

3. Setup and Installation

Before beginning the installation process, ensure you have read and understood all instructions. Improper handling or installation can damage the memory module or your computer components.

Safety Precautions:

- Always power off your computer and unplug it from the power outlet before opening the case.
- Discharge any static electricity by touching a grounded metal object (e.g., the metal chassis of your computer) before handling components. Consider using an anti-static wrist strap.

- Handle the memory module by its edges, avoiding contact with the gold connector pins or the integrated circuits.

Installation Steps:

1. **Prepare Your System:** Power down your computer completely and disconnect the power cord from the wall outlet. Disconnect all other cables (monitor, USB, etc.).
2. **Open the Computer Case:** Remove the side panel of your computer case to access the motherboard. Refer to your computer or case manual for specific instructions.
3. **Locate DIMM Slots:** Identify the DDR4 DIMM slots on your motherboard. These are typically long slots near the CPU. Your motherboard manual will specify the recommended slots for single module installation or optimal dual-channel configuration.
4. **Open Retention Clips:** Gently push open the white or black retention clips at both ends of the DIMM slot(s) where you intend to install the memory module.
5. **Align the Memory Module:** Hold the A-Tech DDR4 memory module by its edges. Align the notch on the bottom edge of the module with the key in the DIMM slot. The module is designed to fit in only one orientation. Do not force it.
6. **Insert the Module:** With the notch aligned, place the module into the slot. Apply firm, even pressure to both ends of the module simultaneously until the retention clips snap into place, securing the module. Ensure the clips are fully closed.
7. **Close the Case:** Once the memory module is securely installed, replace the computer's side panel and reconnect all cables.
8. **BIOS Update Recommendation:** For ASUS ROG Strix B560-E Gaming WiFi and B560-G Gaming WiFi Motherboards, a BIOS update is recommended to unlock maximum performance and ensure full compatibility with the 3200MHz memory speed. Refer to your motherboard manufacturer's website for BIOS update instructions.

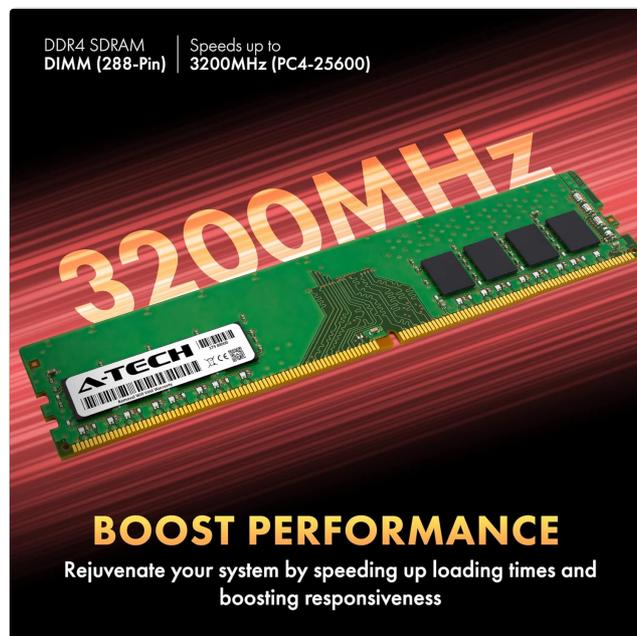


Image 3.1: A-Tech DDR4 RAM module, showing the gold connector pins and notch.

4. Operating

After successful installation, your computer should automatically detect the new memory. Upon booting your system:

- **Initial Boot:** The first boot after installing new RAM may take slightly longer as the system initializes the

new memory.

- **Verify in BIOS/UEFI:** Enter your system's BIOS/UEFI settings (usually by pressing DEL or F2 during startup) to confirm that the new memory capacity and speed are recognized correctly.
- **Verify in Operating System:** Once booted into your operating system, you can verify the installed RAM. For Windows, right-click 'This PC' or 'My Computer', select 'Properties', and check the 'Installed RAM' value. For macOS or Linux, use system information utilities.

If the memory is not detected or the system does not boot, refer to the Troubleshooting section.

5. Maintenance

A-Tech memory modules are designed for reliability and require minimal maintenance. Follow these guidelines to ensure continued performance:

- **Cleanliness:** Keep your computer's interior clean and free of dust. Dust can impede airflow and lead to overheating, potentially affecting memory performance.
- **Handling:** If you need to remove or re-install the memory module, always follow the safety precautions outlined in Section 3. Avoid touching the gold contacts.
- **Environmental Conditions:** Operate your computer in a well-ventilated area with stable temperature and humidity to prevent component stress.

6. Troubleshooting

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

- **System Not Booting / No Display:**
 - Ensure the memory module is fully seated in its slot and the retention clips are closed. Remove and re-insert the module firmly.
 - Verify that the module is installed in the correct DIMM slot(s) as per your motherboard manual.
 - If you have multiple modules, try booting with only one module installed at a time to identify a potentially faulty module.
- **Incorrect Memory Detected / Lower Speed:**
 - Check your BIOS/UEFI settings. Ensure that the memory speed (XMP/DOCP profile) is correctly configured to 3200MHz.
 - Confirm that your motherboard supports 3200MHz DDR4 memory.
 - Ensure your motherboard's BIOS is updated to the latest version, especially for optimal compatibility and performance with 3200MHz RAM.
- **System Instability / Blue Screens (BSOD):**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic or MemTest86) to check for errors.
 - Ensure your system's power supply unit (PSU) is sufficient for all installed components.

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

7. Warranty and Support

All A-Tech memory modules are covered by a **Limited Lifetime Warranty**, ensuring dependable and reliable

performance. Our dedicated support team is available to assist you with any questions or issues you may encounter.

For warranty claims, technical support, or additional product information, please visit our support page:

[A-Tech Support Page](#)

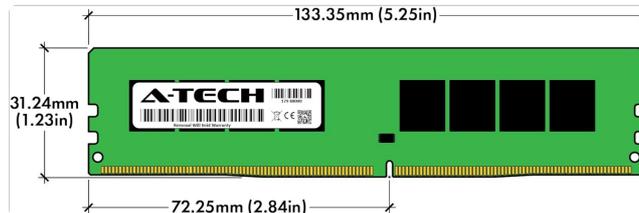


Image 7.1: A-Tech's commitment to dedicated support.

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Related Documents - 32GB DDR4 3200MHz PC4-25600 DIMM 2Rx8 1.2V 288-Pin Non-ECC UDIMM

	<p>ASUS ROG STRIX B560-A GAMING SERIES Motherboard Quick Start Guide</p> <p>Concise guide for installing the ASUS ROG STRIX B560-A GAMING SERIES motherboard, covering CPU, RAM, storage, expansion cards, and system connections. Includes motherboard layout and important notices.</p>
	<p>KLLISRE Desktop DDR4 Memory User Manual and Installation Guide</p> <p>Comprehensive user manual and installation guide for KLLISRE Desktop DDR4 Memory modules, detailing specifications, compatibility, installation steps, troubleshooting, and warranty information.</p>
	<p>KLLISRE Server DDR4 Memory User Manual and Installation Guide</p> <p>Comprehensive user manual and installation guide for KLLISRE Server DDR4 Memory modules, detailing product overview, specifications, compatibility, installation steps, troubleshooting, and warranty information.</p>
	<p>Biwin Memory Module Installation Manual and Lifetime Warranty</p> <p>Comprehensive guide to installing Biwin memory modules, including lifetime warranty details and product certifications. Learn how to upgrade your desktop or server with Biwin RAM.</p>



[HyperX HX437C19FB3AK2/32 32GB DDR4-3733 CL19 Memory Kit Specifications](#)

Detailed specifications for the HyperX HX437C19FB3AK2/32 memory kit, featuring 32GB (2x16GB) DDR4-3733MHz performance with CL19 timings, including JEDEC and XMP profiles, voltage requirements, and physical dimensions.



[X99 Series Motherboard DDR4 Memory Qualified Vendors List \(QVL\)](#)

Comprehensive Qualified Vendors List (QVL) for X99 Series Motherboards, detailing compatible DDR4 U-DIMM and R-DIMM memory modules across various speeds from 2133MHz to 3333MHz. Includes specifications like part number, size, timing, voltage, and DIMM socket support, along with memory installation guidelines and module type definitions.