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› A-Tech 32GB Kit (2x16GB) DDR5 4800MHz ECC Registered Server Memory Upgrade Instruction Manual

A-Tech ARV286

A-Tech 32GB Kit (2x16GB) DDR5 4800MHz ECC Registered Server Memory Upgrade

Model: ARV286 | Brand: A-Tech

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your A-Tech 32GB Kit (2x16GB) DDR5 4800MHz ECC Registered Server Memory. This memory kit is designed to enhance the performance and stability of compatible server systems by expanding their memory capacity.

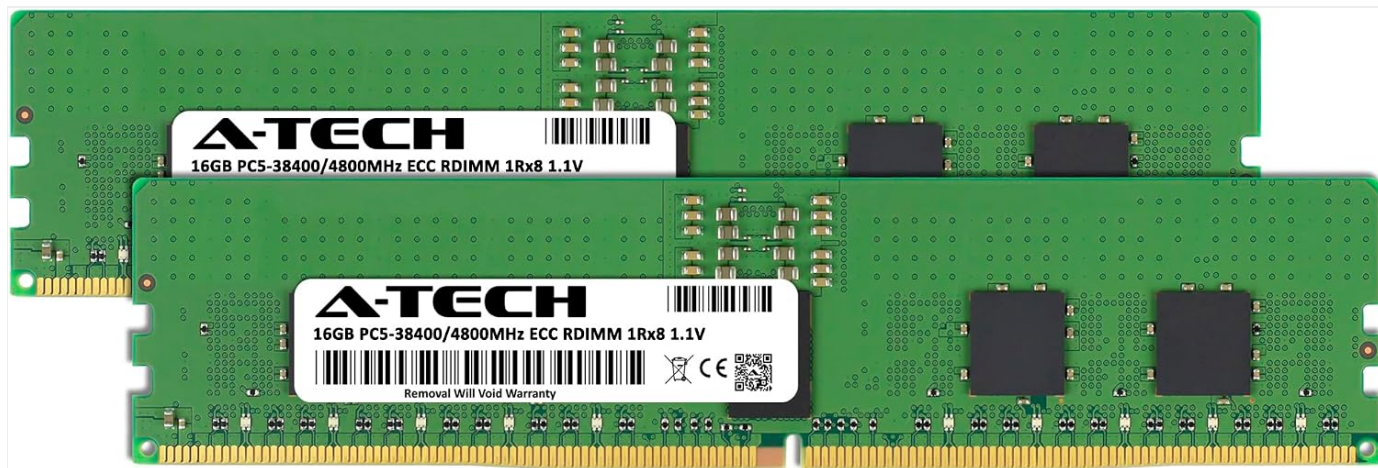


Image: Two A-Tech 16GB DDR5 ECC RDIMM memory modules, part of a 32GB kit.

2. COMPATIBILITY

The A-Tech 32GB DDR5 4800MHz ECC Registered Server Memory is specifically designed for server and workstation systems that support DDR5 ECC RDIMM (288-Pin) memory. It is compatible with the following Tyan Server models:

- B7136G68AV4E8HR
- B8056G68AE12HR-2T
- S7132GM2NRE
- S7136GM2NRE-2T
- S8056GME

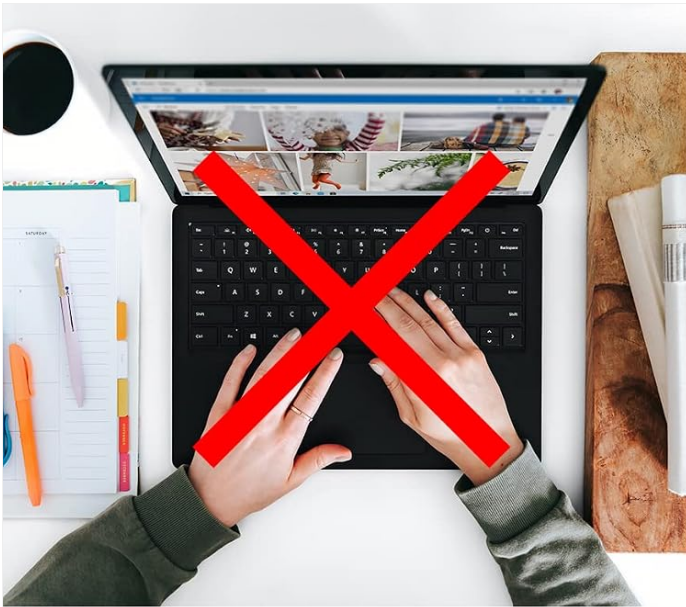
UPGRADE PERFORMANCE

Reduce bottlenecks, speed up data processing, and improve the stability of your Server with A-Tech Memory



Image: Server rack environment, illustrating the intended use for server systems.

Important Note: This memory is **NOT COMPATIBLE** with standard desktop PCs or laptop computers. Attempting to install this memory in an incompatible system may result in system instability or damage.



NOT COMPATIBLE for Desktop and Laptop PC/Computers

Image: Visual representation of desktop and laptop computers marked with a red 'X', signifying that this memory is not compatible with these types of systems.

3. SPECIFICATIONS

Feature	Specification
Brand	A-Tech
Computer Memory Size	32 GB (2 x 16 GB Modules)
RAM Memory Technology	DDR5
Memory Speed	4800 MHz
PC Standard	PC5-38400 / PC5-4800
Voltage	1.1 Volts

Feature	Specification
Column Address Strobe Latency	40
Form Factor	DIMM (288-Pin)
Rank	1Rx8 (EC8)
Error Correction	ECC Registered
Model Name	ARV286

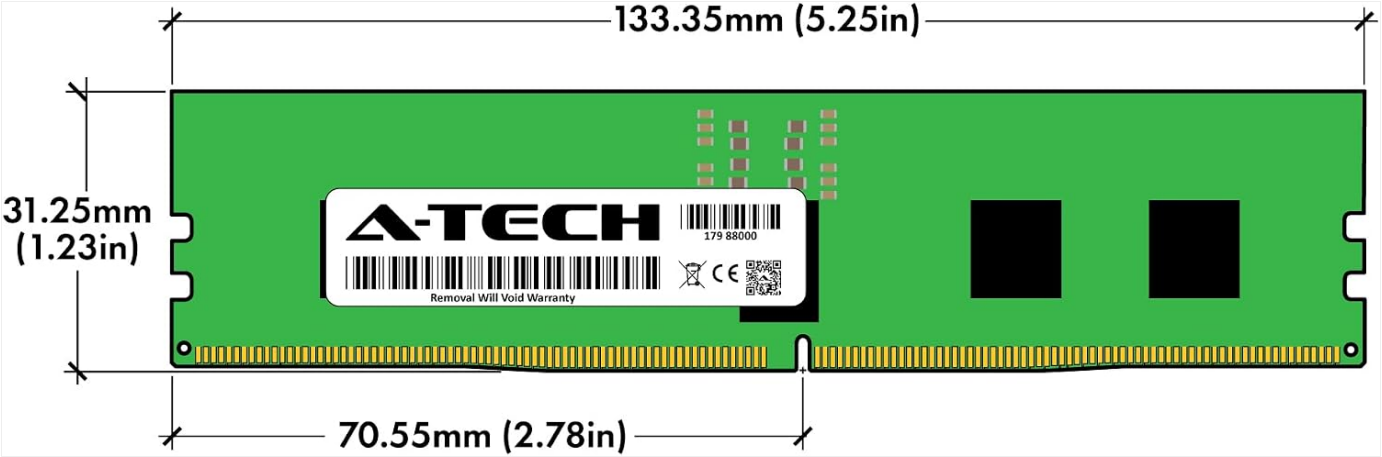


Image: Technical diagram illustrating the physical dimensions of a single A-Tech DDR5 memory module.

4. SETUP AND INSTALLATION

Installing server memory requires careful handling and adherence to safety procedures. Always refer to your server system's specific manual for detailed instructions on memory installation, seating, and channel guidelines. The following are general steps:

- Safety First:** Before beginning, power down your server completely and disconnect it from all power sources. Wear an anti-static wrist strap to prevent electrostatic discharge (ESD), which can damage electronic components.
- Access Memory Slots:** Open your server chassis according to its manufacturer's instructions to access the motherboard and memory slots.
- Locate Slots:** Identify the available DDR5 DIMM slots. Consult your server's manual for the correct slot population order, especially for multi-channel configurations.
- Install Modules:** Gently push down the retention clips at each end of the DIMM slot. Align the memory module with the slot, ensuring the notch on the module matches the key in the slot. Apply even pressure to both ends of the module until it clicks into place and the retention clips snap shut. Do not force the module.
- Secure and Power On:** Once all modules are securely installed, close the server chassis. Reconnect power and power on the server. The system should automatically detect the new memory.

If the system does not boot or recognize the memory, double-check the seating of each module and ensure they are in the correct slots as per your server's manual.

5. OPERATION

Upon successful installation, your server system will utilize the expanded memory capacity provided by the A-Tech DDR5 modules. This upgrade is designed to:

- Improve Performance:** Reduce bottlenecks and speed up data processing.

- **Increase Workload Capacity:** Allow your server to handle more applications and processes simultaneously.
- **Enhance Stability:** ECC Registered memory provides error correction capabilities, improving data integrity and system reliability critical for server environments.



BOOST PERFORMANCE

Speed up loading times, reduce bottlenecks, and increase workload capacity

Image: A user working efficiently on a multi-monitor setup, symbolizing the boost in performance and productivity achieved with upgraded memory.

6. MAINTENANCE

A-Tech memory modules are designed for long-term reliability and generally require minimal maintenance. To ensure optimal performance and longevity:

- **Keep System Clean:** Ensure your server's internal components, including memory modules, are free from dust and debris. Use compressed air for cleaning, ensuring the system is powered off and disconnected from power.
- **Proper Ventilation:** Maintain adequate airflow within your server chassis to prevent overheating, which can degrade memory performance and lifespan.
- **Avoid Physical Contact:** When handling memory, always hold it by the edges to avoid touching the gold contacts or

integrated circuits.

7. TROUBLESHOOTING

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

- **System Not Booting/No Display:**

- Ensure memory modules are fully seated in their slots. Re-seat them firmly.
- Verify that the modules are installed in the correct slots according to your server's motherboard manual.
- If you installed multiple modules, try booting with only one module at a time to identify a potentially faulty module.

- **Incorrect Memory Amount Detected:**

- Check your server's BIOS/UEFI settings to confirm the detected memory.
- Ensure all modules are correctly installed and recognized.
- Update your server's BIOS/UEFI to the latest version, as this can improve memory compatibility and detection.

- **System Instability/Crashes:**

- Run a memory diagnostic tool (e.g., MemTest86) to check for errors.
- Ensure your server's cooling system is functioning correctly to prevent overheating.

For persistent issues, refer to your server's documentation or contact A-Tech Technical Support.

8. WARRANTY AND SUPPORT

All A-Tech memory modules undergo stringent quality control testing to ensure dependable and reliable performance. This product is backed by A-Tech's Limited Lifetime Warranty, covering defects in materials and workmanship.



LIMITED LIFETIME WARRANTY

Purchase with confidence knowing all A-Tech modules come with our limited lifetime warranty and with the help of our friendly Tech Support Team available to assist with any questions

Image: Official A-Tech Limited Lifetime Warranty badge, assuring product quality and support.

For warranty claims, technical assistance, or any questions regarding your A-Tech memory, please contact our knowledgeable Tech Team. You can find support information and contact details on the official A-Tech 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.

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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

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