

A-Tech ASI701

A-Tech 32GB DDR4 2666MHz ECC RDIMM Server Memory Module

MODEL: ASI701 - USER MANUAL

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1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your A-Tech 32GB DDR4 2666MHz ECC RDIMM Server Memory Module. Please read these instructions carefully before proceeding with installation to ensure proper functionality and to prevent damage to your system or the memory module.

2. Compatibility

This A-Tech memory module is specifically designed for server systems. It is compatible with the following Sun Oracle Server models:

- Sun Oracle Server X6-2
- Sun Oracle Server X7-2

Important: This memory module is NOT COMPATIBLE with standard desktop or laptop PCs/computers.

3. Specifications

The A-Tech 32GB DDR4 2666MHz ECC RDIMM module features the following technical specifications:

Feature	Detail
Module Capacity	32 GB
Memory Type	DDR4 RDIMM (Registered DIMM)
Speed	2666 MHz (PC4-21300 / PC4-2666)

Feature	Detail
Error Correction	ECC Registered
Rank & Organization	2Rx4
Pin Count	288-Pin
Voltage	1.2V (DDR4 Standard Voltage)
Model Number	ASI701
Product Dimensions (LxWxH)	5.25 x 1.18 x 0.15 inches (133.35 x 31.24 x 3.81 mm)



Image 3.1: A-Tech 32GB DDR4 2666MHz ECC RDIMM Server Memory Module. This image shows the full memory module with its label, indicating capacity, speed, and ECC RDIMM type.

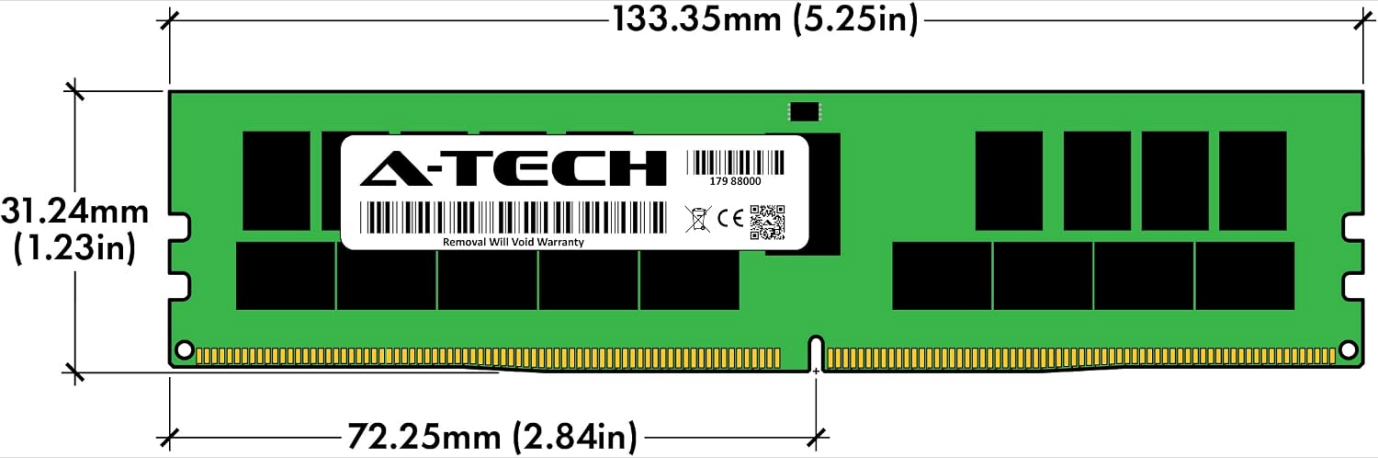


Image 3.2: Dimensions of the A-Tech 32GB DDR4 2666MHz ECC RDIMM Server Memory Module. The image illustrates the length (133.35mm / 5.25in) and height (31.24mm / 1.23in) of the module.

4. Setup & Installation

Installing server memory requires careful handling and adherence to safety procedures. Always refer to your server's specific manual for detailed instructions on memory slot configuration and installation guidelines, as procedures may vary by model.

4.1 Safety Precautions

- **Static Electricity:** Always discharge static electricity before handling memory modules. Use an anti-static wrist strap or touch a grounded metal object (e.g., the server chassis) to prevent electrostatic discharge (ESD), which can damage electronic components.
- **Power Off:** Ensure the server is completely powered off and disconnected from all power sources before opening

the chassis.

- **Handle Carefully:** Hold the memory module by its edges, avoiding contact with the gold connectors or the chips on the module.

4.2 Installation Steps

1. **Prepare the Server:** Power down the server completely and unplug all power cords. Open the server chassis according to the manufacturer's instructions.
2. **Locate Memory Slots:** Identify the memory slots on the motherboard. Consult your server's manual for the correct slot population order, especially if installing multiple modules.
3. **Open Retention Clips:** Gently push the white or black retention clips at each end of the DIMM slot outwards to open them.
4. **Align the Module:** Carefully align the memory module with the slot. The module has a notch (keyway) on the bottom edge that must match the corresponding key in the DIMM slot. Do not force the module if it does not align.
5. **Insert the Module:** With the module correctly aligned, place it into the slot. Apply firm, even pressure to both ends of the module simultaneously until the retention clips snap into place, securing the module.
6. **Verify Seating:** Visually inspect the module to ensure it is fully seated and the clips are locked. There should be no gap between the module and the slot.
7. **Close Server Chassis:** Once all memory modules are installed, close the server chassis and reconnect all power cords.
8. **Power On:** Power on the server. The system should automatically detect the new memory.

5. Operating

Upon successful installation, your server system should automatically detect and utilize the newly installed A-Tech memory module. You can verify the installed memory capacity through your server's BIOS/UEFI settings or within the operating system's system information utility.

6. Maintenance

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

- **Keep Clean:** Ensure the server environment is clean and free of excessive dust, which can accumulate on components and affect cooling.
- **Proper Handling:** If you need to remove or re-install the module, always follow the safety precautions outlined in the installation section, handling the module by its edges.
- **Avoid Physical Stress:** Do not bend or apply excessive force to the memory module.

7. Troubleshooting

If you encounter issues after installing the memory module, consider the following troubleshooting steps:

- **System Not Booting / POST Errors:**
 - Ensure the memory module is fully and correctly seated in its slot. Remove and re-insert it, applying firm, even pressure until the clips snap into place.
 - Verify that the module is installed in the correct slot(s) according to your server's manual.
 - If multiple modules are installed, try booting with only one module at a time to identify a potentially faulty

module or slot.

- Check for any bent pins on the memory slot or damage to the module's gold connectors.

- **Incorrect Memory Detection:**

- Confirm that your server's BIOS/UEFI is updated to the latest version, as older versions may not fully support newer memory modules.
- Verify the module's specifications (DDR4, 2666MHz, ECC RDIMM) match your server's requirements.
- Check the system's BIOS/UEFI settings to ensure memory settings are configured correctly (usually 'Auto' is sufficient).

- **System Instability / Crashes:**

- Run a memory diagnostic tool (e.g., MemTest86) to check for errors in the memory module.
- Ensure adequate cooling within the server chassis to prevent overheating.

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

8. Warranty & Support

Your A-Tech 32GB DDR4 2666MHz ECC RDIMM Server Memory Module is backed by A-Tech's Limited Lifetime Warranty, ensuring dependable and reliable performance. For warranty claims or technical assistance, please contact A-Tech's knowledgeable Tech Team.

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

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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