

A-Tech 32GB DDR4 2933MHz (B0CVSHZTDG)

A-Tech 32GB DDR4 2933MHz RAM Module User Manual

Model: 32GB DDR4 2933MHz (B0CVSHZTDG) | Brand: A-Tech

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your A-Tech 32GB DDR4 2933MHz RAM module. This memory module is specifically designed for compatibility with the ASUS ExpertCenter D3 Tower D300TA Desktop. Please read these instructions carefully before proceeding with installation to ensure proper function and to prevent damage to your system or the memory module.

SAFETY INFORMATION

Always observe the following safety precautions when handling computer components:

- **Electrostatic Discharge (ESD) Prevention:** ESD can damage electronic components. Before handling the RAM module, discharge any static electricity by touching a grounded metal object, such as the metal casing of your computer. Consider using an anti-static wrist strap.
- **Power Off:** Always power off your computer and disconnect it from the power outlet before opening the case or installing any components.
- **Handle with Care:** Hold the RAM module by its edges, avoiding contact with the gold connectors or the chips.
- **Ventilation:** Ensure your computer has adequate ventilation to prevent overheating, especially after hardware upgrades.

PRODUCT OVERVIEW

The A-Tech 32GB DDR4 2933MHz RAM module is a high-performance memory upgrade designed to enhance your desktop computer's capabilities. It provides increased memory resources, which can lead to improved system responsiveness, faster loading times, and better multitasking performance.

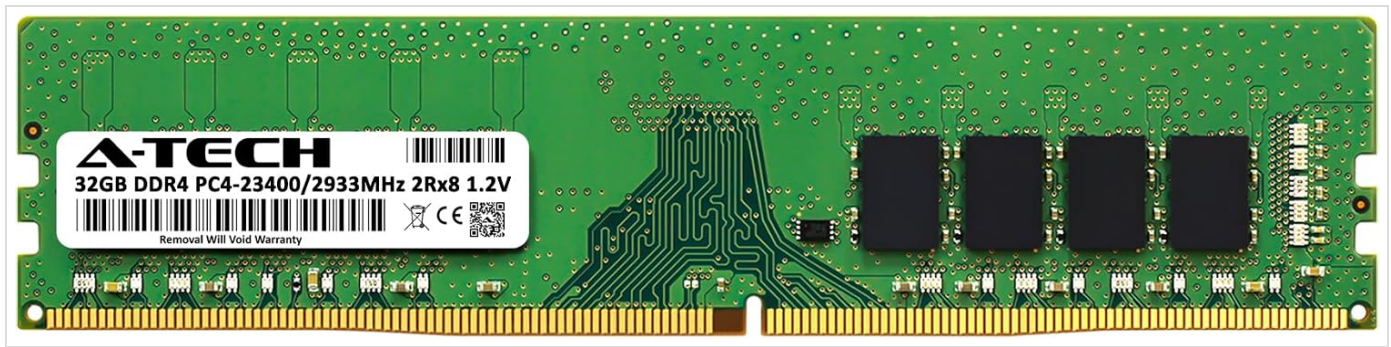


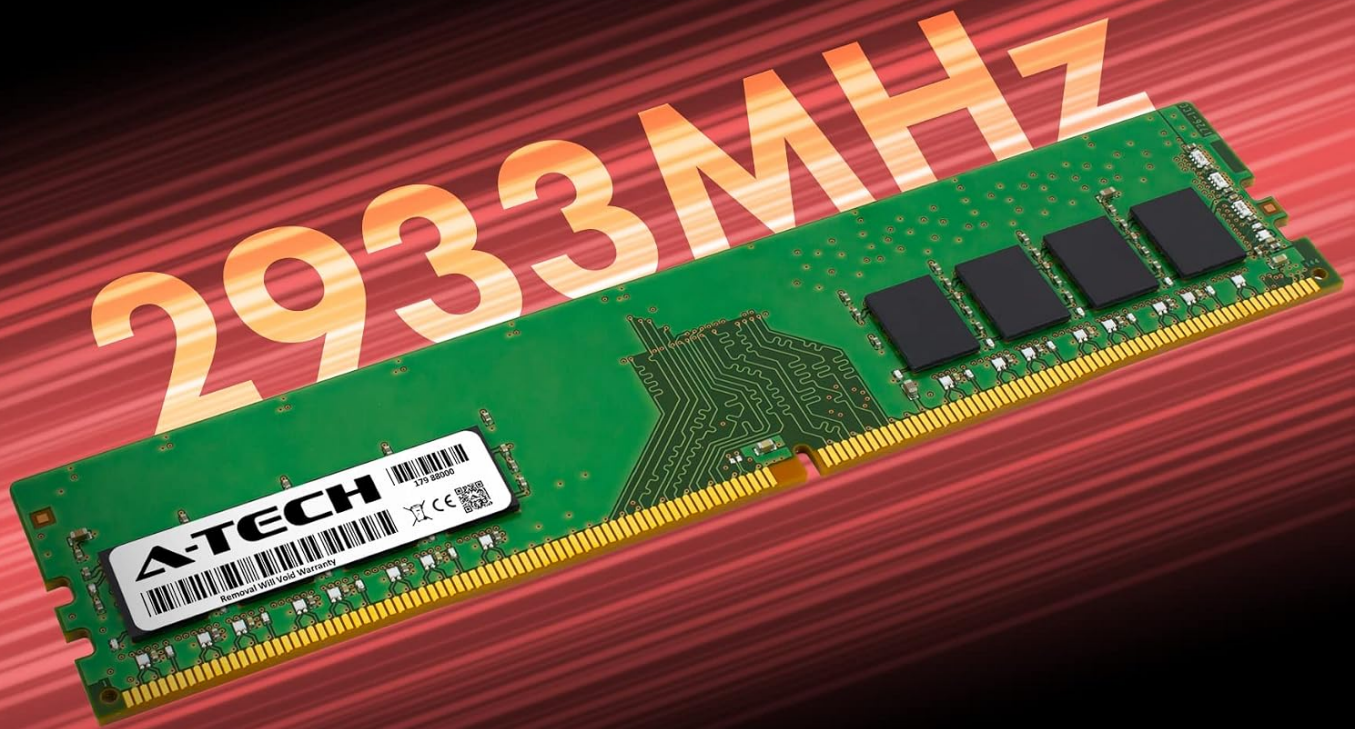
Image: The A-Tech 32GB DDR4 2933MHz RAM module, showing its green PCB and black memory chips.

Key features include:

- **Capacity:** 32GB (Single Module)
- **Memory Type:** DDR4 DIMM
- **Speed:** 2933MHz (PC4-23400)
- **Pin Count:** 288-Pin
- **Voltage:** 1.2V
- **Error Correction:** Non-ECC Unbuffered (UDIMM)
- **Compatibility:** Specifically compatible with ASUS ExpertCenter D3 Tower D300TA Desktop.

DDR4 SDRAM
DIMM (288-Pin)

Speeds up to
2933MHz (PC4-23400)



BOOST PERFORMANCE

Rejuvenate your system by speeding up loading times and
boosting responsiveness

Image: A-Tech DDR4 2933MHz RAM module, illustrating its speed capabilities for system performance enhancement.



MULTITASK WITH EASE

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

Image: A user working on a multi-monitor setup, demonstrating the benefit of expanded memory for multitasking.

SPECIFICATIONS

Feature	Detail
Brand	A-Tech
Computer Memory Size	32 GB
RAM Memory Technology	DDR4
Memory Speed	2933 MHz
Compatible Devices	ASUS ExpertCenter D3 Tower D300TA Desktop
Additional Features	Non-ECC Unbuffered

Feature	Detail
Voltage	1.2 Volts
Column Address Strobe Latency	21 Nanowatts (CAS Latency)
Form Factor	DIMM (288-Pin)
Data Transfer Rate	23400 Megabytes Per Second (PC4-23400)
Number of Pins	288

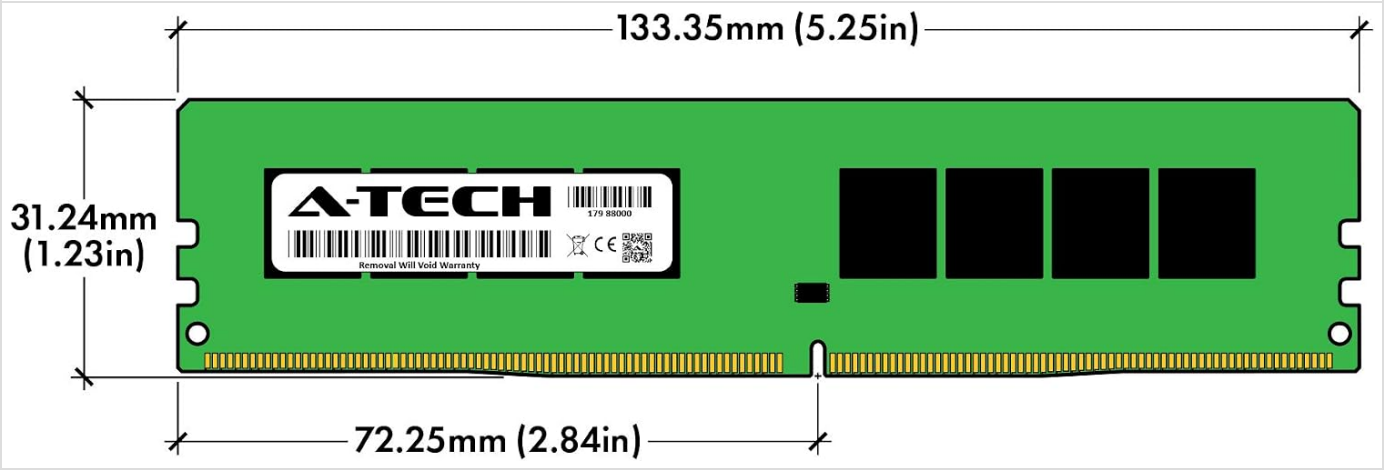


Image: Technical drawing showing the dimensions of the A-Tech DDR4 DIMM module.

SETUP AND INSTALLATION

Installing RAM is a straightforward process, but requires careful attention to detail to avoid damage. Always refer to your computer's specific manual for detailed instructions on opening the case and locating memory slots, as procedures may vary by model.

- 1. Prepare Your Workspace:** Ensure you have a clean, well-lit, and static-free environment. Gather necessary tools, typically a Phillips head screwdriver.
- 2. Power Down and Disconnect:** Shut down your computer completely. Disconnect the power cable and all other peripherals (monitor, keyboard, mouse, etc.).
- 3. Discharge Static Electricity:** Touch a grounded metal object, such as an unpainted metal part of your computer's chassis, to discharge any static electricity from your body.
- 4. Open the Computer Case:** Follow your computer's manual to safely open the side panel of your desktop.
- 5. Locate Memory Slots:** Identify the DIMM slots on your motherboard. These are typically long slots near the CPU. Note the existing RAM configuration if you are adding to or replacing modules.
- 6. Remove Existing Modules (if applicable):** If replacing existing RAM, gently push down the small clips on both ends of the DIMM slot. The module should pop up slightly, allowing you to carefully pull it straight out. Store removed modules in an anti-static bag.
- 7. Install New RAM Module:**
 - Align the notch on the A-Tech RAM module with the key in the DIMM slot. The module will only fit one way.
 - Place the module into the slot and apply firm, even pressure to both ends of the module simultaneously until the clips on both sides snap into place, securing the module. Do not force it.
 - Visually inspect to ensure the module is fully seated and the clips are locked.
- 8. Close the Computer Case:** Reattach the side panel of your computer.

9. **Reconnect and Power On:** Reconnect all cables and power on your computer. The system should automatically detect the new memory. You may need to enter the BIOS/UEFI settings to verify the new RAM capacity and speed, though this is often automatic.

OPERATING INSTRUCTIONS

Once the A-Tech RAM module is correctly installed and recognized by your system, it operates automatically. The operating system will utilize the increased memory capacity to improve overall system performance. No specific user interaction is required for the RAM module itself after installation.

To verify the installation, you can check your system's memory information:

- **Windows:** Right-click on "This PC" or "My Computer," select "Properties." The installed RAM will be listed under "Installed memory (RAM)."
- **BIOS/UEFI:** During startup, press the designated key (often Del, F2, F10, or F12) to enter the BIOS/UEFI setup. Navigate to the system information or memory section to view detected RAM.

MAINTENANCE

RAM modules generally require minimal maintenance. To ensure optimal performance and longevity:

- **Keep System Clean:** Regularly clean the interior of your computer case to prevent dust buildup, which can impede airflow and lead to overheating of components, including RAM. Use compressed air for this purpose.
- **Avoid Physical Contact:** Once installed, avoid touching the RAM modules unless absolutely necessary for troubleshooting or replacement.
- **Environmental Control:** Operate your computer in a stable environment, avoiding extreme temperatures or humidity.

TROUBLESHOOTING

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

- **System Not Booting / No Display:**
 - Ensure the RAM module is fully seated in its slot. Re-seat the module by pressing down firmly until the clips lock.
 - Try installing only one module at a time if you installed multiple.
 - Test the module in a different slot if available.
 - Clear the CMOS (Complementary Metal-Oxide-Semiconductor) settings on your motherboard (refer to your motherboard manual for instructions).
- **Incorrect RAM Capacity Detected:**
 - Verify the module is correctly seated.
 - Check your system's BIOS/UEFI settings to confirm the detected memory.
 - Ensure your operating system is a 64-bit version to fully utilize more than 4GB of RAM.
- **System Instability / Blue Screens:**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic) to check for errors.
 - Ensure your motherboard's BIOS/UEFI is updated to the latest version, as this can improve memory compatibility.

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

WARRANTY AND SUPPORT

A-Tech memory modules are backed by a Limited Lifetime Warranty, covering defects in materials and workmanship. This warranty ensures dependable and reliable performance for the lifespan of the product under normal use.



Image: A-Tech memory modules undergoing extensive quality control testing to ensure reliability.

For technical assistance, warranty claims, or any questions regarding your A-Tech product, please contact our knowledgeable Tech Team. Support is available to help you before and after your purchase.

- **Manufacturer:** A-Tech
- **Warranty Description:** Limited Lifetime Warranty Covering Defects In Materials And Workmanship
- **Support:** Refer to the A-Tech official website or product packaging for contact information.

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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