

A-Tech HMAG68EXNUA076N-ATC

A-Tech 8GB DDR4 Desktop Memory Module User Manual

Model: HMAG68EXNUA076N-ATC

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your A-Tech 8GB DDR4 3200MHz PC4-25600 DIMM Desktop Memory Module. This memory upgrade is designed to enhance your system's performance by speeding up loading times, improving responsiveness, and increasing its capacity to handle higher workloads. By following these instructions, you can ensure proper installation and optimal performance.

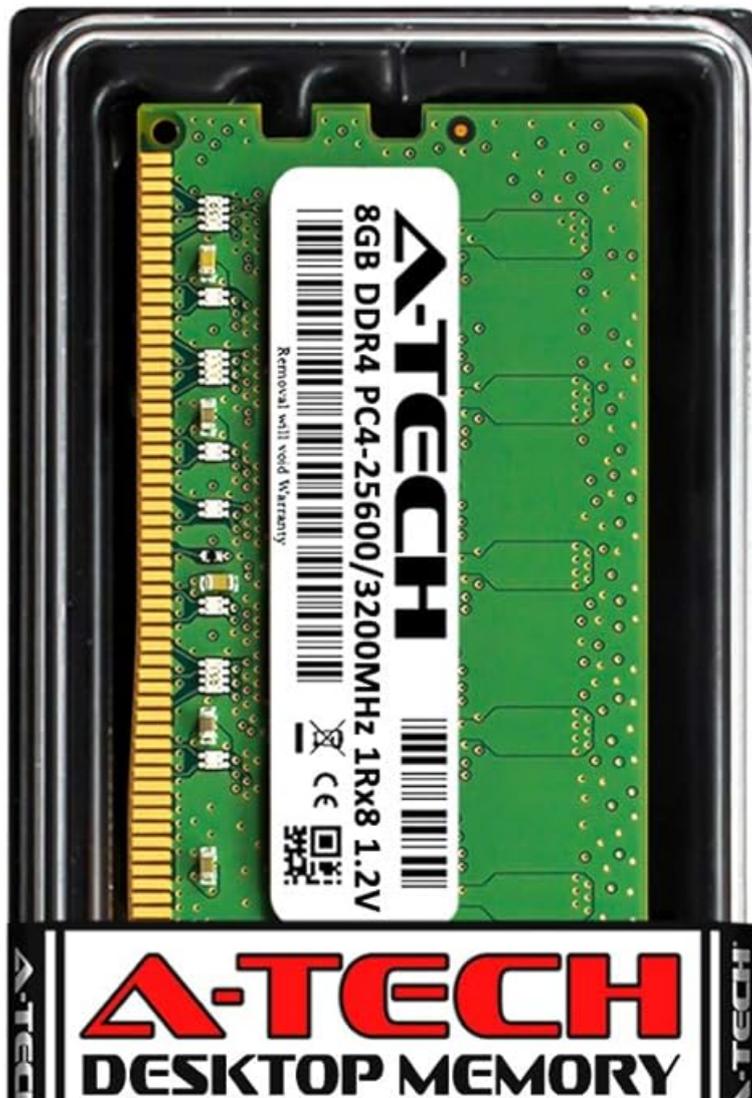




Image: A-Tech 8GB DDR4 Desktop Memory Module in its retail packaging, highlighting the product label and specifications.

SPECIFICATIONS

The A-Tech 8GB DDR4 Desktop Memory Module (HMAG68EXNUA076N-ATC) is engineered to meet high performance standards for desktop computers and workstations.

Feature	Detail
Memory Size	8GB (1x 8GB Module)
Memory Type	DDR4
Form Factor	DIMM (288-Pin)
ECC Type	Non-ECC DIMM
Speed	3200MHz (PC4-25600)

Feature	Detail
Rank	1Rx8 (Single Rank x8 based)
Voltage	1.2V (Standard Voltage)
Dimensions (LxWxH)	5.25 x 1.18 x 0.15 inches (133.35 x 31.24 x 3.81 mm)
Item Weight	0.5 ounces (14.17 grams)
Compatible Devices	Hynix HMAG68EXNUA076N, Desktops, Workstations

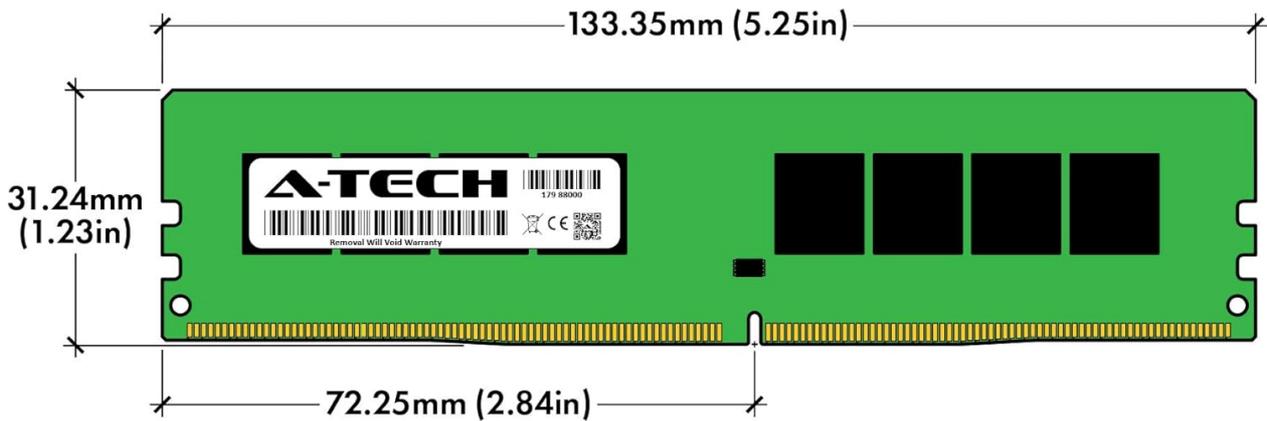


Image: Detailed diagram illustrating the precise dimensions of the A-Tech DDR4 RAM module in both millimeters and inches.

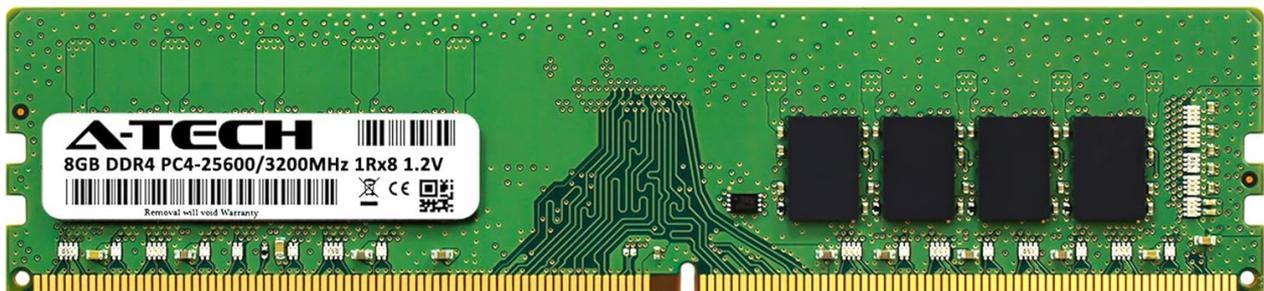


Image: A clear top-down view of the A-Tech 8GB DDR4 RAM module, showing the green PCB, memory chips, and product label.

SETUP AND INSTALLATION

Before beginning the installation process, ensure your computer is powered off and unplugged from the wall outlet. It is recommended to wear an anti-static wrist strap or frequently touch a grounded metal object (like the computer case) to discharge static electricity, which can damage electronic components.

- 1. Prepare Your System:** Power down your computer completely and disconnect all cables, including the power cord.
- 2. Open the Computer Case:** Remove the side panel of your computer case to access the motherboard and RAM slots.
- 3. Locate RAM Slots:** Identify the DIMM slots on your motherboard. These are typically long slots with clips on either end. Refer to your system's manual for proper memory seating and channel guidelines (e.g., which slots to use for single or dual-channel configurations).
- 4. Release Existing Modules (if applicable):** If you are replacing existing RAM, gently push the clips on both

ends of the slot outwards to release the module. Carefully pull the module straight out.

5. **Install New Module:** Align the notch on the A-Tech memory module with the key in the DIMM slot. Gently but firmly push the module straight down into the slot until the clips on both ends snap into place. Ensure the module is fully seated and level.
6. **Close Case and Reconnect:** Once the module is securely installed, replace the computer case side panel and reconnect all cables.
7. **Power On:** Turn on your computer. The system should automatically detect the new memory.



MULTITASK WITH EASE

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

Image: A close-up view of an A-Tech memory module being inserted into a DIMM slot on a motherboard, demonstrating the installation process.

OPERATING PRINCIPLES

Once installed, the A-Tech DDR4 memory module operates automatically with your computer's processor and operating system. It provides the necessary volatile storage for active programs and data, directly impacting system responsiveness and multitasking capabilities. The 3200MHz speed ensures efficient data transfer, contributing to faster loading times and smoother overall performance.

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



BOOST PERFORMANCE

Rejuvenate your system by speeding up loading times and boosting responsiveness

Image: A visual representation emphasizing the 3200MHz speed of the A-Tech RAM module and its role in boosting system performance.



COMPATIBILITY

Designed for easy installation into a wide range of DDR4 capable Desktop Computers, Gaming Rigs, and Workstations

Image: A collage showcasing different computer environments, including a gaming PC, a standard desktop, and a workstation, to highlight the broad compatibility of the A-Tech memory module.

RELIABILITY

All A-Tech memory modules undergo stringent quality control testing to ensure dependable and reliable performance

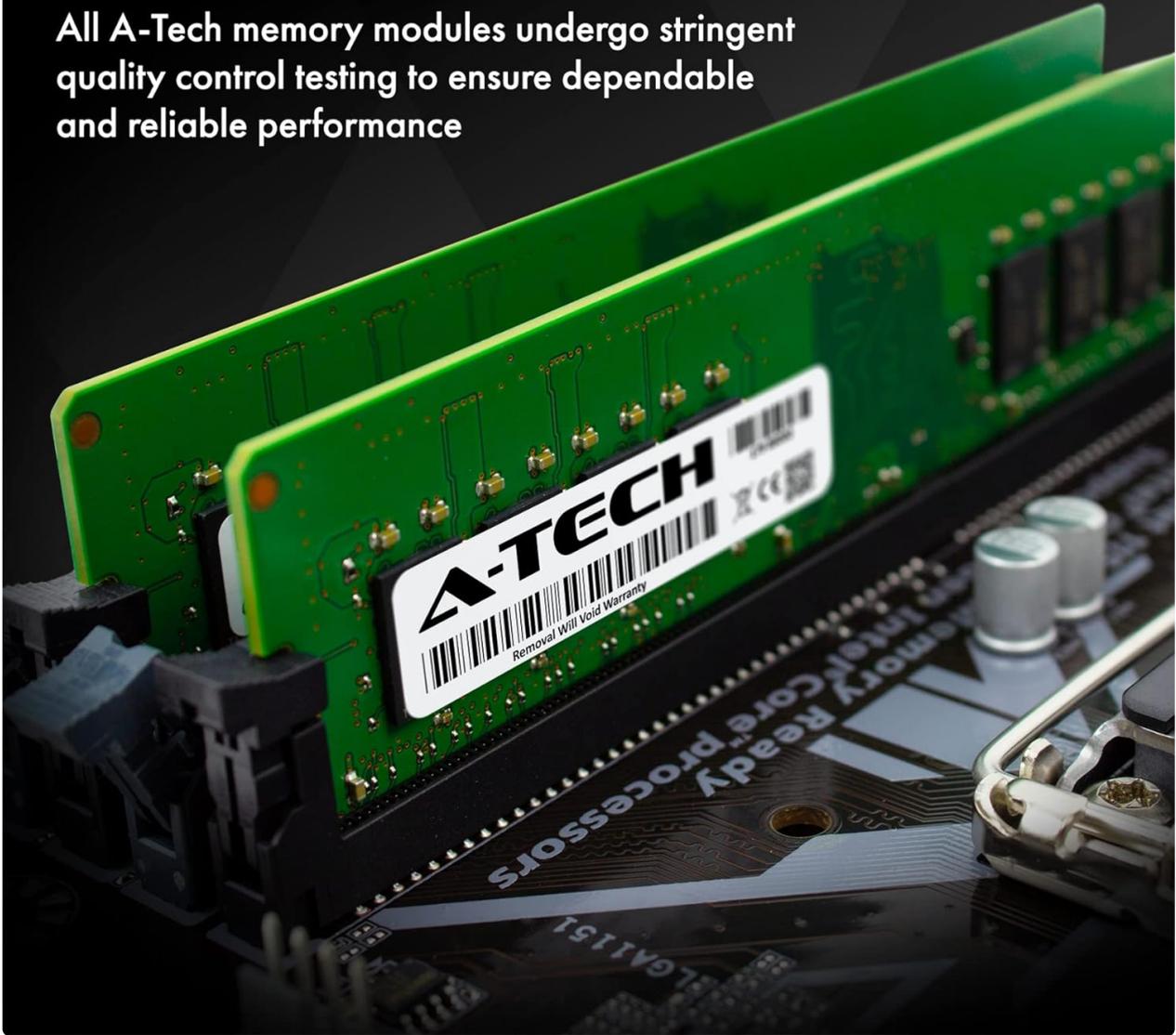


Image: A user engaged in a multi-monitor setup, demonstrating how increased RAM capacity facilitates seamless multitasking and productivity.

MAINTENANCE

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

- **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.
- **Avoid Static Discharge:** Always handle memory modules by their edges and avoid touching the gold connectors or integrated circuits. Use anti-static precautions when working inside your computer.
- **Ensure Proper Ventilation:** Make sure your computer case has adequate ventilation to maintain optimal operating temperatures for all components.

TROUBLESHOOTING

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

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

- Ensure the memory module is fully seated in its slot. Gently press down on both ends until the clips snap into place.
- Try reseating the module in a different slot, if available and compatible with your motherboard's configuration.
- If installing multiple modules, try installing one module at a time to identify a potentially faulty stick or slot.
- Clear the CMOS (Complementary Metal-Oxide-Semiconductor) settings on your motherboard. Refer to your motherboard manual for instructions.

- **Incorrect RAM Amount Detected:**

- Verify that the module is correctly seated.
- Check your system's BIOS/UEFI settings to ensure the memory is recognized.
- Ensure your operating system is 64-bit to utilize more than 4GB of RAM.

- **System Instability/Crashes:**

- Run a memory diagnostic tool (e.g., Windows Memory Diagnostic, MemTest86) to check for errors.
- Ensure your motherboard's BIOS/UEFI is updated to the latest version, as this can improve memory compatibility.

If problems persist after attempting these steps, please contact A-Tech Technical Support for further assistance.

WARRANTY AND SUPPORT

A-Tech provides a **Lifetime Warranty** for all orders, ensuring peace of mind regarding your memory module's quality and performance. In addition, A-Tech offers complimentary United States based Technical Support before, during, and after your purchase.

For technical assistance, warranty claims, or general inquiries, please visit the A-Tech website or contact their support team directly. You can find more information and resources by scanning the QR code or visiting the link below:

[Visit A-Tech Support Page](#)