Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

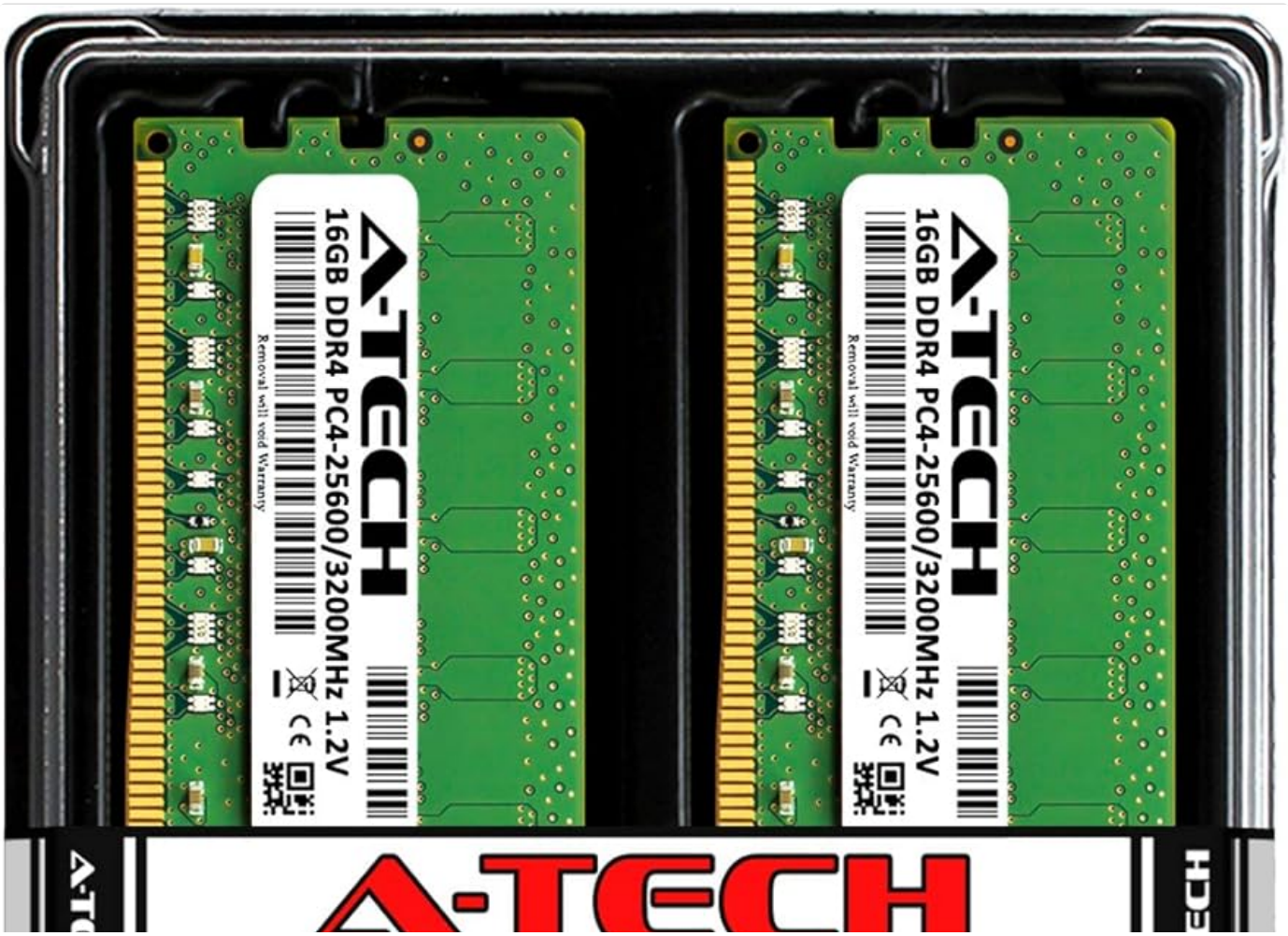
A-Tech ASO455

A-Tech 32GB DDR4 3200MHz Desktop Memory Module User Manual

This manual provides essential information for the installation, operation, and maintenance of your A-Tech 32GB (2x16GB) DDR4 3200MHz PC4-25600 DIMM Non-ECC UDIMM Memory Upgrade Kit.

Product Overview

The A-Tech 32GB (2x16GB) DDR4 3200MHz memory kit is designed to enhance the performance of compatible desktop computer systems. This kit consists of two 16GB DDR4 DIMM modules, providing a total of 32GB of high-speed memory, ideal for improving multitasking capabilities and overall system responsiveness.



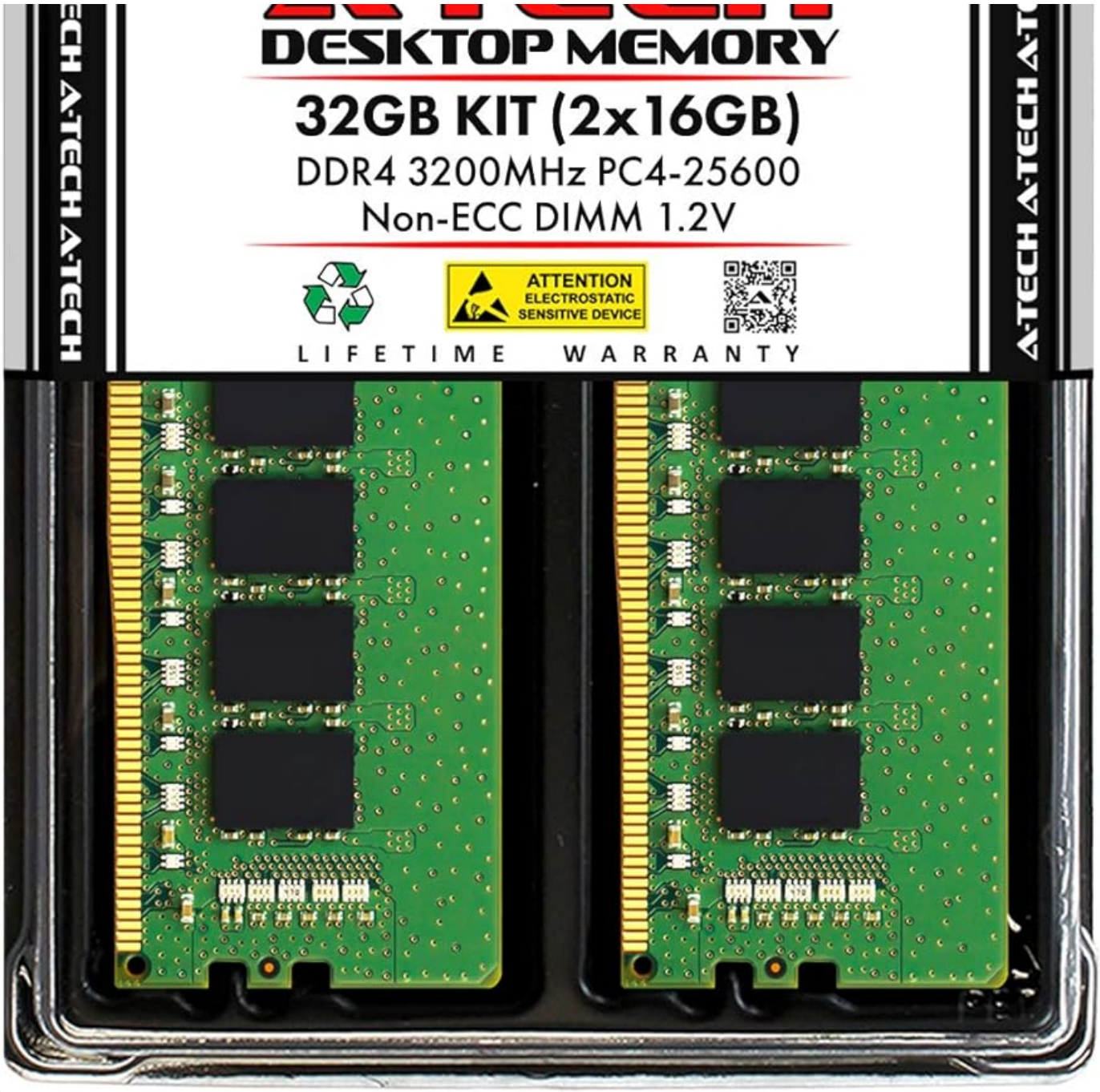


Image: A-Tech 32GB DDR4 3200MHz Desktop Memory Kit, showing two 16GB modules sealed in clear retail packaging.

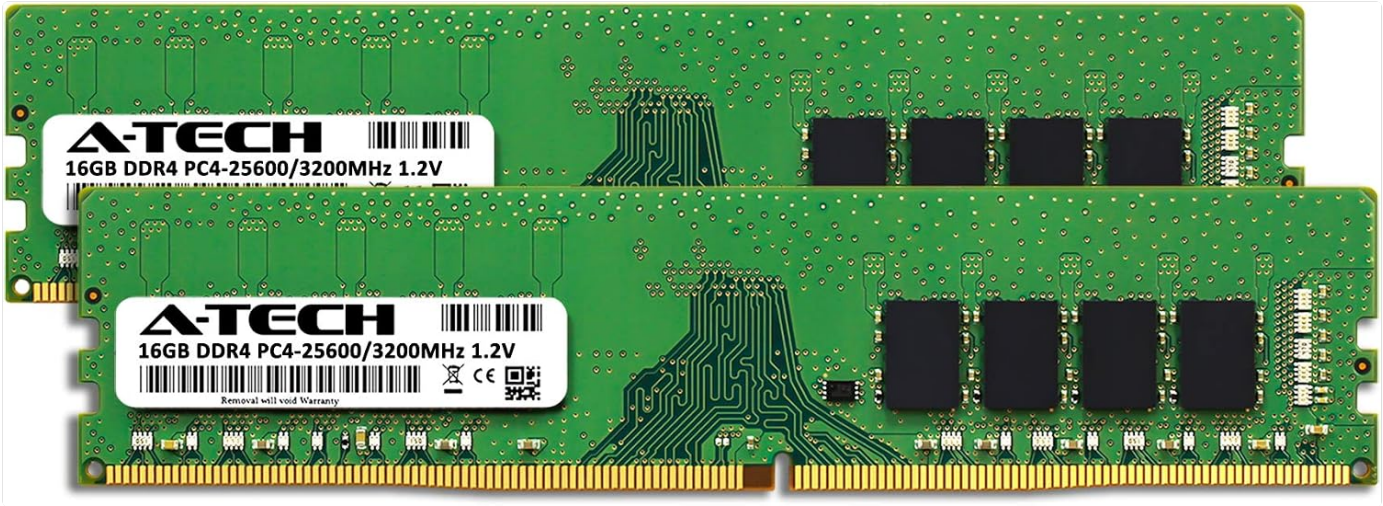


Image: Two individual A-Tech 16GB DDR4 3200MHz memory modules, removed from packaging, displaying their green PCB and black memory chips.

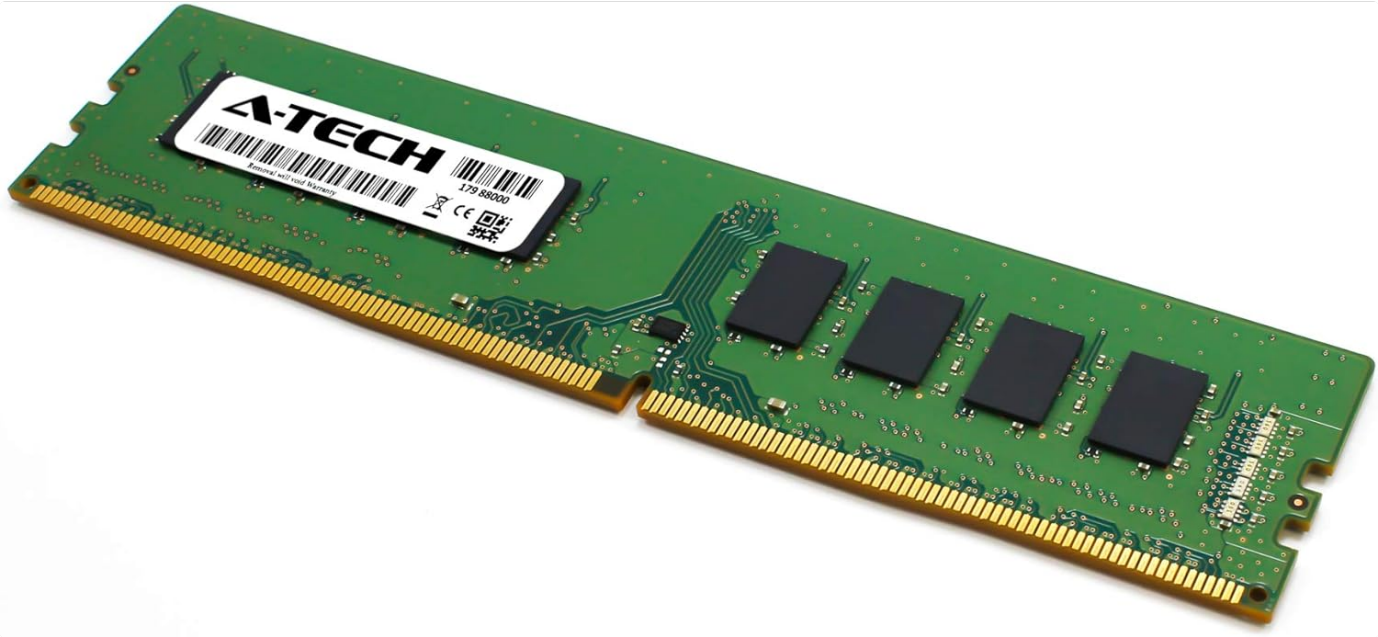


Image: Technical drawing illustrating the precise dimensions of a single A-Tech DDR4 memory module, including length (133.35mm / 5.25in) and height (31.24mm / 1.23in).

Compatibility

This memory kit is specifically compatible with the following Fujitsu ESPRIMO desktop models:

- D6011 D3923-A1
- D9010 D3822
- D9011 D3922
- D9910 D3812
- P5011 D3920
- P9010 D3822
- P9011 D3922

It is crucial to verify your system's specific memory requirements and maximum supported capacity before installation. This memory is designed for desktop computers and is **not compatible** with laptop systems.

Image: A graphic emphasizing the compatibility of A-Tech memory with desktop computers, gaming rigs, and workstations, explicitly stating non-compatibility with laptops.

Setup & Installation

Installing the A-Tech memory modules is a straightforward process. Always ensure your computer is powered off and unplugged before opening the case. Refer to your computer's official manual for specific instructions on accessing memory slots and proper module seating.

1. **Prepare Your System:** Power down your computer completely and disconnect all power cables from the wall outlet and the computer itself.
2. **Access Memory Slots:** Open the computer case to access the motherboard and memory slots. Consult your computer's manual for instructions on how to safely open the case and locate the DIMM slots.
3. **Remove Existing Modules (If Applicable):** If you are replacing existing memory, gently push the small clips on both ends of the memory slot outwards to release the module. Carefully remove the old module.

4. **Insert New Modules:** Align the notch on the A-Tech DDR4 memory module with the key in the memory slot. Ensure the module is oriented correctly.
5. **Secure Modules:** Insert the module firmly into the slot with even pressure on both ends until the clips on both sides snap into place, securing the module. Do not force the module if it does not fit easily.
6. **Repeat for Second Module:** Repeat the insertion process for the second module. For optimal performance, ensure proper dual-channel configuration by installing modules in the correct paired slots as indicated in your system's manual.
7. **Close Case & Reconnect:** Close the computer case securely and reconnect all power cables and peripherals.
8. **Power On:** Power on your computer. The system should automatically detect the new memory. You can verify the installed memory in your operating system's system information or BIOS/UEFI settings.

Operating Principles

Random Access Memory (RAM) is a form of computer data storage that stores frequently used program instructions and data to enable quick access by the computer's processor. Upgrading your system's RAM capacity with A-Tech modules allows your computer to handle more applications simultaneously, open larger files, and process extensive datasets more efficiently. This expansion of memory leads to improved overall system responsiveness, smoother multitasking, and reduced bottlenecks, especially during demanding tasks like video editing, gaming, or running multiple virtual machines.

Image: A graphic illustrating a user efficiently multitasking across multiple monitors, demonstrating how increased RAM capacity facilitates smoother operation of various applications simultaneously.

Maintenance

A-Tech memory modules are designed for long-term reliability and typically require minimal maintenance once installed. Adhering to general computer maintenance practices will help ensure the longevity and optimal performance of your memory and overall system.

- **Clean Environment:** Keep the computer environment clean and free of dust. Dust accumulation inside the computer case can impede airflow and lead to overheating, which can negatively affect all components, including RAM.
- **Proper Handling:** When handling memory modules, always hold them by their edges. Avoid touching the gold contacts or the integrated circuits, as static electricity or oils from your skin can potentially cause damage.
- **Airflow:** Ensure proper airflow within your computer case. Good ventilation helps maintain optimal operating temperatures for all components, contributing to their stability and lifespan.

Troubleshooting

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

- **System Does Not Boot or Beeps:** This often indicates that the memory modules are not properly seated. Power off the computer, disconnect power, and re-seat both memory modules firmly into their slots until the clips snap into place. Verify that the modules are installed in the correct slots according to your motherboard's manual for proper configuration (e.g., dual-channel).
- **Memory Not Recognized or Incorrect Capacity:** After booting, check your system's BIOS/UEFI settings or operating system's system information to confirm the memory is detected and the correct capacity is displayed. If not, try re-seating the modules. Ensure your operating system is 64-bit to utilize more than 4GB of RAM.
- **System Instability or Crashes:** This could indicate a faulty module or an incompatibility. Try testing one module at a time to isolate if one specific module is causing the issue. Ensure your system's BIOS/UEFI is updated to the latest version, as this can often improve memory compatibility and stability.
- **Performance Issues:** While new RAM significantly improves performance, other factors like your CPU, storage drive (HDD/SSD), and software can also affect overall system speed. Ensure your system drivers are up to date and that your storage drive has sufficient free space.

Product Specifications

Feature	Detail
RAM Capacity	32 GB (2 x 16 GB Modules)
RAM Technology	DDR4
Memory Speed	3200 MHz (PC4-25600 / PC4-3200)
Form Factor	DIMM (288-Pin)
Error Correction	Non-ECC Unbuffered
Voltage	1.2 Volts
Brand	A-Tech
Series / Model Number	ASO455
Product Dimensions (LxWxH)	5.25 x 1.18 x 0.15 inches
Color	Multicolor
Country of Origin	USA

Feature	Detail
Date First Available	August 25, 2023
Compatible Devices	Fujitsu ESPRIMO D6011 D3923-A1, D9010 D3822, D9011 D3922, D9910 D3812, P5011 D3920, P9010 D3822, P9011 D3922

Warranty & Support

All A-Tech memory modules undergo stringent quality control testing to ensure dependable and reliable performance. They are backed by A-Tech's Limited Lifetime Warranty, providing peace of mind for the lifespan of the product.
For technical assistance, troubleshooting, or warranty claims, please contact A-Tech's knowledgeable Tech Team. You can find support information and resources on the official A-Tech website:
atechmemory.com/pages/qr
Product Part Number: **AT13409169**

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

Open the live page

https://manuals.plus/asin/B0CGMPZKGB

More documents and user manuals: **https://manuals.plus/**