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› A-Tech 8GB (2x4GB) DDR3 SODIMM Memory Upgrade Kit User Manual

A-Tech ASQ479

A-Tech 8GB (2x4GB) DDR3 SODIMM Memory Upgrade Kit User Manual

Model: ASQ479

1. INTRODUCTION

Thank you for choosing A-Tech memory. This user manual provides essential information for the installation, operation, and maintenance of your A-Tech 8GB (2x4GB) DDR3 1600MHz PC3-12800 SODIMM memory upgrade kit. This kit is designed to enhance the performance of compatible laptop and all-in-one computer systems by expanding their memory capacity.

2. PRODUCT OVERVIEW

The A-Tech 8GB (2x4GB) DDR3 SODIMM memory kit consists of two 4GB DDR3 modules, specifically engineered for optimal performance and reliability in compatible systems.



This kit includes two 4GB DDR3 SODIMM memory modules, totaling 8GB, designed for laptop and all-in-one computer upgrades. Each module is securely packaged to prevent damage during transit.



A detailed view of the A-Tech 4GB DDR3 SODIMM modules, showing the label with specifications like 1600MHz speed and 1.5V voltage. The label also indicates that removal will void the warranty.



The A-Tech 8GB (2x4GB) DDR3 SODIMM kit comes in secure packaging, ensuring the modules are protected until installation.

3. COMPATIBILITY

This A-Tech memory kit is specifically designed for compatibility with a range of laptop and all-in-one (AIO) computer systems. It is **not** compatible with desktop PC/Computers.



COMPATIBILITY

Designed for easy installation into a wide range of DDR3 capable Laptop, Notebook, and All-in-One (AIO) Computers

A-Tech DDR3 SODIMM memory is designed for easy installation into a wide range of DDR3 capable Laptop, Notebook, and All-in-One (AIO) Computers.



COMPATIBILITY

Designed for Laptop, Mini PC, and AIO systems

*(**NOT** compatible with Desktop PC/Computers, please refer to your system manual to confirm compatibility)*

A-Tech memory is specifically designed for Laptop, Mini PC, and All-in-One (AIO) systems. Please refer to your system manual to confirm compatibility, as it is NOT compatible with Desktop PC/Computers.

Specifically, this memory kit is compatible with the following Acer Aspire models:

- Ao756-2405
- V3-551G-X419
- V3-571-9832
- Z3771-UR10P
- Z3771-UR20P

Always consult your system's official documentation or manufacturer's website to verify memory specifications and compatibility before installation.

4. SETUP AND INSTALLATION

Installing A-Tech memory is a straightforward process, but it requires careful handling to prevent damage to the modules or your system. It is recommended to refer to your computer's specific service manual for detailed instructions on accessing and installing RAM modules.

Important Precautions:

- **Static Electricity:** Memory modules are sensitive to static electricity. Before handling, discharge any static by touching a grounded metal object (e.g., an unpainted metal part of your computer chassis). Consider using an anti-static wrist strap.
- **Power Off:** Always ensure your computer is completely powered off and unplugged from the wall outlet before opening the chassis or handling internal components.
- **Battery Removal:** For laptops, remove the battery before installation.
- **Handle with Care:** Hold the memory modules by their edges, avoiding contact with the gold connectors or the chips.

General Installation Steps:

1. Power down your computer and disconnect all cables.
2. Open your computer's chassis or memory compartment according to your system's manual.
3. Locate the existing memory slots. If replacing old modules, gently push the clips on both sides of the slot outwards to release the module, then carefully remove it.

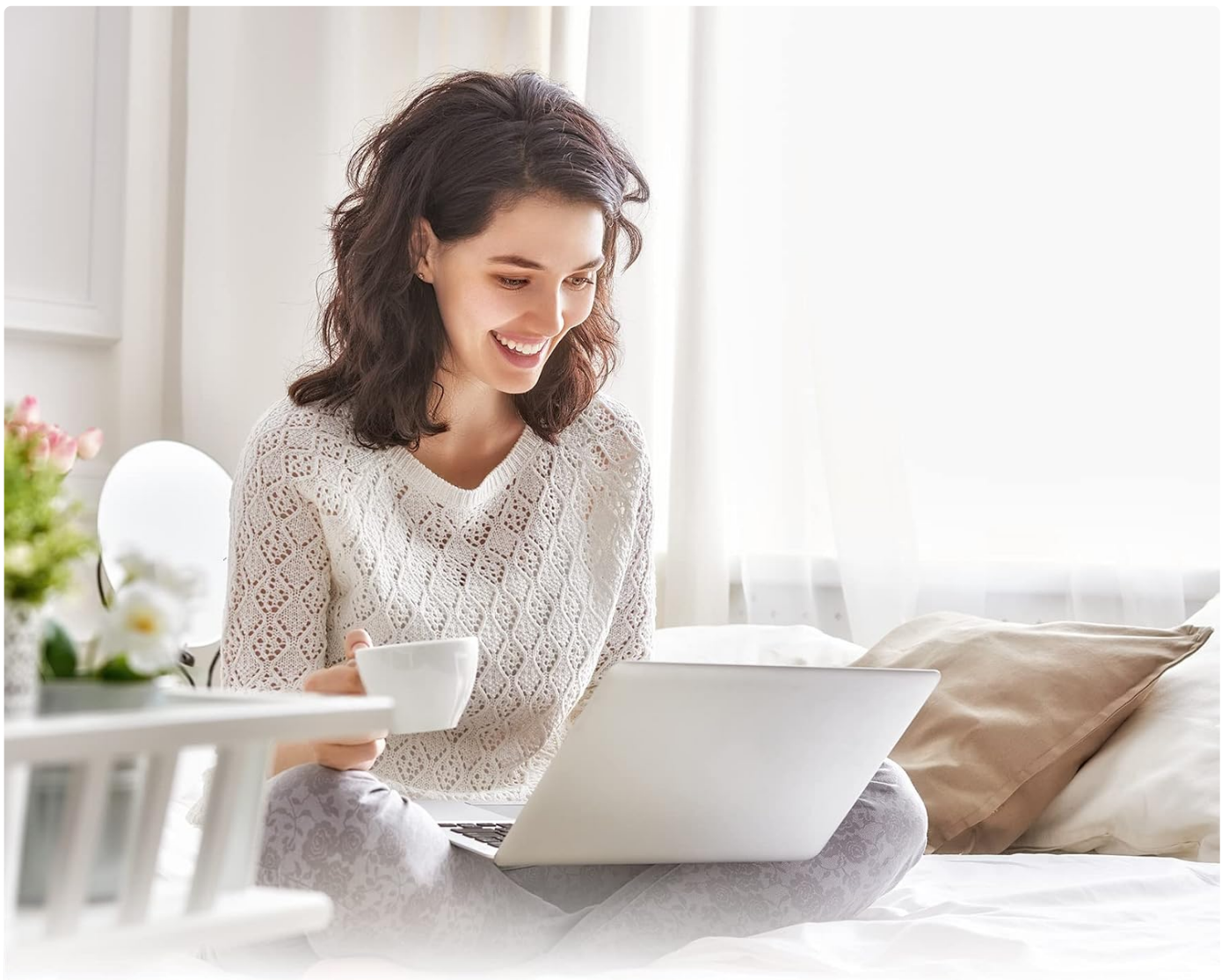
4. Align the notch on the new A-Tech SODIMM module with the key in the memory slot.
5. Insert the module firmly into the slot at a 45-degree angle, then push down until the clips on both sides snap into place, securing the module.
6. Repeat for the second module if installing both.
7. Close the memory compartment or chassis.
8. Reconnect all cables and power on your computer. The system should automatically detect the new memory.

For visual installation guides and additional support, you may visit the A-Tech QR code support page:

<https://atechmemory.com/pages/qr>

5. OPERATING

Once installed, the A-Tech memory modules operate automatically with your system. The primary benefit of upgrading your RAM is an improvement in overall system performance and responsiveness.



MULTITASK WITH EASE

Expand your system's memory (RAM) capacity allowing you to
take on more at once

Expand your system's memory (RAM) capacity with A-Tech modules, allowing you to take on more tasks simultaneously and maintain a



Upgrade your system's performance by reducing bottlenecks and increasing workload capacity with A-Tech Memory.

With increased RAM, your computer can:

- Run more applications simultaneously without slowdowns.
- Handle larger files and more complex tasks (e.g., photo/video editing, gaming).
- Improve overall system responsiveness and boot times.

6. MAINTENANCE

Memory modules are solid-state components and generally require minimal maintenance. However, following these guidelines can help ensure their longevity:

- **Keep Clean:** Ensure the interior of your computer remains free of dust, which can impede airflow and lead to overheating. Use compressed air to gently clean dust from components, including memory slots, periodically.
- **Environmental Control:** Operate your computer in a well-ventilated area, away from extreme temperatures and humidity.
- **Avoid Physical Damage:** Do not bend or apply excessive force to the memory modules. Handle them only when necessary and with proper anti-static precautions.

7. TROUBLESHOOTING

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

- **No Boot/Black Screen:**
 - Ensure modules are fully seated in their slots. Gently press down on both ends of each module until the clips snap into place.
 - Try installing only one module at a time to identify if a specific module is faulty.
 - Verify that the memory is compatible with your system's specifications (DDR3, SODIMM, 1.5V, 1600MHz).
- **System Instability/Crashes:**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic, MemTest86) to check for errors.
 - Ensure your system's BIOS/UEFI is updated to the latest version, as this can sometimes improve memory

compatibility.

- **Incorrect Memory Reported:**
 - Check your system's BIOS/UEFI settings to confirm the detected memory amount.
 - Verify that your operating system is 64-bit to fully utilize more than 4GB of RAM.

If problems persist, please refer to the Warranty and Support section for assistance.

8. SPECIFICATIONS

Feature	Specification
Memory Type	DDR3 SODIMM
Capacity	8 GB (2 x 4 GB Modules)
Speed	1600 MHz (PC3-12800 / PC3-1600)
Pin Count	204-Pin
Error Correction	Non-ECC Unbuffered
Voltage	1.5V
Dimensions (LxWxH)	2.66 x 1.18 x 0.15 inches
Model Number	ASQ479
Compatible Devices	Acer Aspire Ao756-2405, V3-551G-X419, V3-571-9832, Z3771-UR10P, Z3771-UR20P

9. WARRANTY AND SUPPORT

A-Tech stands behind the quality and reliability of its products.



All A-Tech memory modules undergo extensive quality control testing to ensure dependable and reliable performance for your system.

This A-Tech memory kit is backed by a **Limited Lifetime Warranty**. This warranty covers defects in materials and workmanship under normal use.

For technical assistance, warranty claims, or any inquiries regarding your A-Tech product, please contact our

knowledgeable Tech Team. You can find support information and contact details on the official A-Tech website or through the A-Tech store on Amazon:

- A-Tech Store on Amazon: [Visit A-Tech Store](#)
- A-Tech Support Page (via QR code): atechmemory.com/pages/qr

Please have your product model number (ASQ479) and purchase information ready when contacting support.

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