

A-Tech ASQ294

A-Tech 8GB Kit (2x4GB) RAM User Manual

MODEL: ASQ294

For Fujitsu LIFEBOOK A514, A552/F, A573/G, AH50/HN, AH55/H, AH76/HN, E744, E754, NH532, SH772, UH552

1. INTRODUCTION

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



Image: Two A-Tech 4GB DDR3 SODIMM memory modules, packaged and ready for installation.

2. SETUP AND INSTALLATION

Installing new memory modules is a straightforward process, but requires careful handling to prevent damage to the components or your system. Always refer to your system's specific manual for detailed instructions on accessing and replacing memory modules, as procedures may vary by model.

2.1 Safety Precautions

- **Power Off:** Ensure your computer is completely powered off and unplugged from the wall outlet. Remove the battery if it's a laptop.
- **Static Electricity:** Static electricity can damage electronic components. Discharge any static electricity from your body by touching a grounded metal object (e.g., an unpainted metal part of your computer chassis) before handling the memory modules. Consider using an anti-static wrist strap.
- **Handle with Care:** Hold the memory modules by their edges, avoiding contact with the gold connectors or the chips on the module.

2.2 Installation Steps

1. **Prepare Your System:** Power down your computer, disconnect all cables, and remove the battery (for laptops).
2. **Access Memory Slots:** Open your computer's case or access panel to locate the memory slots. Consult your system's manual for the exact location.
3. **Remove Old Modules (if applicable):** If replacing existing modules, gently push the clips on both sides of the SODIMM slot outwards. The module will pop up at an angle. Carefully pull it out.
4. **Insert New Modules:** Align the notch on the A-Tech SODIMM module with the key in the memory slot. Insert the module at a 45-degree angle, applying firm, even pressure until it is fully seated.
5. **Secure Modules:** Push the module down until the clips on both sides snap into place, securing the module horizontally. Ensure both clips are fully engaged.
6. **Close System:** Replace the access panel or close the computer case. Reconnect all cables and the battery.
7. **Power On:** Turn on your computer. The system should automatically detect the new memory. You may need to check your system's BIOS/UEFI settings to confirm the recognized memory amount.



Image: Visual representation of the compatibility of A-Tech memory with various laptop and all-in-one systems.

3. OPERATING BENEFITS

Once installed, your A-Tech memory upgrade will immediately begin to improve your system's performance. RAM (Random Access Memory) is crucial for multitasking and running applications smoothly. With increased RAM, your computer can handle more tasks simultaneously without slowing down.



Image: Illustrates the benefit of expanded memory for seamless multitasking.



Image: Depicts the significant performance boost achieved by upgrading with A-Tech memory.

4. MAINTENANCE

A-Tech memory modules are designed for long-term reliability and generally require minimal maintenance. Proper handling and storage are key to their longevity.

- **Handling:** Always handle memory modules by their edges to avoid touching the gold contacts or integrated circuits.
- **Cleaning:** If necessary, gently clean the gold contacts with a soft, lint-free cloth or a specialized electronics cleaner. Avoid using water or harsh chemicals.
- **Storage:** When not in use, store memory modules in their original anti-static packaging or in an anti-static bag to protect them from static discharge and physical damage.

5. TROUBLESHOOTING

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

- **System Not Booting / No Display:**
 - Ensure modules are fully seated in their slots. Gently push down on both ends of the module until the clips snap into place.
 - Try installing one module at a time to identify if one module is faulty or if a specific slot is problematic.
 - Verify compatibility with your system's manual.
- **Incorrect Memory Amount Detected:**
 - Check your system's BIOS/UEFI settings to confirm the detected memory.
 - Ensure your operating system is 64-bit to fully utilize more than 4GB of RAM.
 - Verify that your system's motherboard supports the total amount of RAM and the specific memory type (DDR3 1600MHz).
- **System Instability / Blue Screens:**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic or MemTest86) to check for errors.
 - Ensure the memory modules are running at their specified voltage (1.5V for this kit).

If issues persist after following these steps, please contact A-Tech's technical support for further assistance.

6. SPECIFICATIONS

Feature	Specification
Brand	A-Tech
Model Number	ASQ294
RAM Size	8 GB Kit (2 x 4 GB Modules)
RAM Technology	DDR3 SODIMM
Memory Speed	1600 MHz (PC3-12800)
Voltage	1.5 Volts
Error Correction	Non-ECC Unbuffered
Pin Count	204-Pin

Product Dimensions	2.66 x 1.18 x 0.15 inches
Compatible Devices	Fujitsu LIFEBOOK A514, A552/F, A573/G, AH50/HN, AH55/H, AH76/HN, E744, E754, NH532, SH772, UH552

7. WARRANTY AND SUPPORT

7.1 Warranty Information

All A-Tech memory modules are backed by A-Tech's Limited Lifetime Warranty. This warranty covers defects in materials and workmanship for the lifetime of the product. For full details regarding warranty terms and conditions, please refer to the official A-Tech website.



Image: Highlights A-Tech's commitment to reliability through rigorous quality control testing.

7.2 Technical Support

A-Tech provides a knowledgeable Tech Team available to assist you before and after your purchase. If you have any questions, require installation guidance, or need troubleshooting assistance, please do not hesitate to contact them.

For support and additional resources, visit the A-Tech website: atechmemory.com/pages/qr