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> A-Tech 2GB KIT (2 x 1GB) DDR Non-ECC PC3200 400MHz RAM Memory User Manual for Shuttle SK Series

A-Tech AM105329

A-Tech 2GB KIT (2 x 1GB) DDR Non-ECC PC3200 400MHz RAM Memory User Manual

Model: AM105329 | Brand: A-Tech

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your A-Tech 2GB KIT (2 x 1GB) DDR Non-ECC PC3200 400MHz RAM Memory. This memory kit is specifically designed to enhance the performance of compatible Shuttle SK Series systems.

2. SAFETY INFORMATION

WARNING: This product was designed for Shuttle SK Series models SK21G, SK41G, SK43G, SK83G. The product may not function correctly or could cause system instability if used with other systems. Always ensure your system is powered off and unplugged before handling internal components. Discharge static electricity by touching a grounded metal object before installation.

3. COMPATIBILITY

This A-Tech 2GB KIT (2 x 1GB) DIMM DDR Non-ECC PC3200 400MHz RAM Memory is specifically designed for the following Shuttle SK Series models:

- Shuttle SK21G
- Shuttle SK41G
- Shuttle SK43G
- Shuttle SK83G

Using this memory with systems not listed above may result in incompatibility or improper function. Verify your system's memory requirements before installation.

4. SETUP AND INSTALLATION

Installing RAM is a straightforward process, but requires careful handling to prevent damage to the memory modules or your computer system. Follow these general steps:

1. **Preparation:** Power off your computer completely and unplug all cables (power, monitor, peripherals).

2. **Access:** Open your computer case to access the motherboard and RAM slots. Refer to your computer's manual for specific instructions on opening the case.
3. **Static Discharge:** Before touching any internal components, touch a grounded metal object (like the unpainted metal of your computer case) to discharge any static electricity from your body.
4. **Locate Slots:** Identify the DIMM memory slots on your motherboard. These are typically long, narrow slots with clips on either end.
5. **Remove Existing RAM (if applicable):** If you are replacing existing RAM, gently push the clips on both ends of the slot outwards. The memory module should pop up slightly, allowing you to carefully pull it straight out.
6. **Install New RAM:** Align the notch on the A-Tech DDR memory module with the key in the DIMM slot. Ensure the module is oriented correctly.
7. **Seat Module:** Place the module into the slot and press down firmly and evenly on both ends until the clips on the sides snap into place, securing the module. Do not force the module if it does not seat easily; re-check alignment.
8. **Repeat:** Repeat the process for the second 1GB module in an adjacent or designated slot, following your motherboard's recommendations for dual-channel configuration if applicable.
9. **Close Case:** Once both modules are securely installed, close your computer case and reconnect all cables.
10. **Power On:** Power on your computer. The system should automatically detect the new memory. You may need to enter the BIOS/UEFI setup to confirm the memory is recognized, though this is often not necessary.



Image: Two A-Tech 1GB DDR RAM modules. Each module features a green PCB with black memory chips and a white label displaying "A-TECH" and product specifications. These modules are designed for installation into compatible DIMM slots on a motherboard.

5. OPERATION

Random Access Memory (RAM) serves as your computer's short-term data storage, allowing for quick access to information by the CPU. Once installed, the A-Tech RAM modules operate automatically with your system. They provide the necessary memory capacity for running applications, multitasking, and processing data efficiently. No direct user interaction is required for the operation of the RAM itself.

6. MAINTENANCE

A-Tech RAM modules are designed for long-term reliability and require minimal maintenance. To ensure optimal performance and longevity of your memory and computer system:

- **Keep Clean:** Periodically clean the interior of your computer case to prevent dust buildup, which can impede airflow and lead to overheating. Use compressed air for this purpose.
- **Ventilation:** Ensure your computer has adequate ventilation and is not placed in an enclosed space where heat can accumulate.
- **Handle with Care:** When handling memory modules, always hold them by the edges to avoid touching the gold contacts or the chips, which can be sensitive to static electricity and oils from your skin.

7. TROUBLESHOOTING

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

- **No Display/Boot Failure:**
 - Ensure the RAM modules are fully seated in their slots. Gently press down on both ends until the clips snap into place.
 - Verify that the modules are installed in the correct slots according to your motherboard's manual (especially for dual-channel configurations).
 - Try installing only one module at a time to identify if one module is faulty.
 - Clear the CMOS (Complementary Metal-Oxide-Semiconductor) settings on your motherboard. Refer to your motherboard manual for instructions.
- **System Instability/Blue Screens:**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic or MemTest86) to check for errors.
 - Ensure your system's BIOS/UEFI is updated to the latest version, as this can improve memory compatibility.
 - Verify that the memory speed (400MHz) is supported and correctly configured in your system's BIOS/UEFI.
- **Incorrect Memory Detection:**
 - Check your system's BIOS/UEFI settings to confirm the total installed memory.
 - Ensure your operating system is a 64-bit version to fully utilize more than 4GB of RAM (though this kit is 2GB, it's a general consideration for memory upgrades).
 - Re-seat the memory modules.

If problems persist, contact A-Tech customer support for further assistance.

8. SPECIFICATIONS

Feature	Specification
Brand	A-Tech
Model Number	AM105329
Memory Type	DIMM DDR Non-ECC
Capacity	2GB KIT (2 x 1GB)
Speed	PC3200 (400MHz)
Compatible Devices	Shuttle SK21G, SK41G, SK43G, SK83G
Product Dimensions	6.7 x 3.6 x 0.4 inches
Item Weight	1.8 ounces

9. WARRANTY AND SUPPORT

A-Tech memory products come with a **Lifetime Warranty**, ensuring peace of mind regarding the quality and durability of your purchase. For technical support, warranty claims, or any inquiries, please contact A-Tech Components directly. You can find more information and contact details on the official A-Tech website: atechmemory.com.

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