

A-Tech MS6242737

A-Tech 2GB SO-DIMM DDR3 RAM Memory Module Instruction Manual

Model: MS6242737

Brand: A-Tech

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your A-Tech 2GB SO-DIMM DDR3 PC3-10600 1333MHz RAM Memory Module. Please read this manual carefully before proceeding with installation to ensure proper function and to prevent damage to your system or the memory module.

PRODUCT SPECIFICATIONS

Memory Size	2 GB
Memory Type	DDR3 SO-DIMM
Speed	1333 MHz (PC3-10600)
Error Correction	Non-ECC
Form Factor	SO-DIMM (Small Outline Dual In-line Memory Module)
Voltage	1.5V (Standard DDR3)
Dimensions	4.2 x 2.3 x 0.4 inches
Weight	0.64 ounces

COMPATIBILITY

This A-Tech 2GB SO-DIMM DDR3 memory module is designed for use with the following Gateway One Series models:

- Gateway One Series ZX4250-01s

- Gateway One Series ZX4250-EB20P
- Gateway One Series ZX4250-UB308
- Gateway One Series ZX4251
- Gateway One Series ZX4251-03s
- Gateway One Series ZX4300
- Gateway One Series ZX4970-UR10P
- Gateway One Series ZX4971
- Gateway One Series ZX4971-ER30P
- Gateway One Series ZX4971G-UW20P
- Gateway One Series ZX4971-UB10P

Always verify your system's memory requirements with your computer's manufacturer documentation before installation.

SETUP AND INSTALLATION

Important Safety Precautions:

- Always power off your computer and disconnect it from the power source before opening the case.
- Discharge any static electricity by touching a grounded metal object (e.g., the computer's metal chassis) before handling memory modules.
- Handle memory modules by the edges, avoiding contact with the gold connectors.

Installation Steps:

1. **Prepare Your System:** Power down your Gateway One Series computer completely and unplug all cables (power, USB, network, etc.).
2. **Access Memory Slots:** Refer to your computer's specific service manual for instructions on how to open the case and locate the SO-DIMM memory slots. This usually involves removing a back panel or cover.
3. **Locate Existing Modules (if any):** If you are replacing existing memory, gently push the small clips on each side of the SO-DIMM module outwards. The module will pop up at an angle. You can then carefully pull it out of the slot.
4. **Install New Module:** Align the notch on the A-Tech SO-DIMM module with the key in the memory slot. Insert the module at a 45-degree angle into the slot.
5. **Secure the Module:** Gently push the module down until the clips on both sides snap into place, securing the module horizontally.
6. **Verify Installation:** Double-check that the module is seated firmly and evenly in the slot, and that the clips are engaged.
7. **Reassemble and Power On:** Close your computer's case, reconnect all cables, and power on your system.



Image: The A-Tech 2GB SO-DIMM DDR3 RAM Memory Module. This image shows the physical appearance of the memory stick, highlighting its compact form factor suitable for laptops and all-in-one PCs.

A-TECH

The Experts in RAM Memory Upgrades

Image: A comparison showing a standard DIMM (larger) and a SO-DIMM (smaller) memory module. The A-Tech product is a SO-DIMM, designed for compact systems like laptops and all-in-one computers.

OPERATING THE MEMORY MODULE

Once the A-Tech memory module is correctly installed, your computer should automatically detect the new memory capacity upon startup. You can verify the installed RAM by checking your system's properties:

- **Windows:** Right-click "This PC" or "My Computer" and select "Properties." The installed RAM will be listed.

- **macOS:** Click the Apple menu, then "About This Mac." The memory information will be displayed.

If the memory is not recognized, refer to the Troubleshooting section.

MAINTENANCE

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

- **Keep System Clean:** Regularly clean the interior of your computer to prevent dust buildup, which can lead to overheating and component failure.
- **Avoid Physical Damage:** Handle memory modules carefully. Do not bend or apply excessive force.
- **Environmental Conditions:** Operate your computer in a stable environment, avoiding extreme temperatures or humidity.

TROUBLESHOOTING

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

- **System Does Not Boot or Beeps:**
 - Ensure the memory module is fully seated in its slot. Remove and re-insert it, making sure the clips snap into place.
 - Verify that the module is compatible with your system (refer to the Compatibility section).
 - If multiple modules are installed, try booting with only the new A-Tech module.
- **Incorrect Memory Amount Detected:**
 - Check your system's BIOS/UEFI settings to ensure the memory is correctly recognized.
 - Ensure your operating system is 64-bit to fully utilize more than 4GB of RAM (though this 2GB module is unlikely to hit that limit alone, it's good practice).
- **System Instability or Crashes:**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic) to check for errors.
 - Ensure your system's BIOS/UEFI is up to date.

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

WARRANTY AND SUPPORT

Lifetime Warranty: Your A-Tech 2GB SO-DIMM DDR3 RAM Memory Module is backed by a Lifetime Warranty. This warranty covers defects in materials and workmanship for the lifetime of the product. For warranty claims or detailed terms and conditions, please visit the A-Tech website or contact customer support.

Customer Support: For technical assistance, troubleshooting, or any questions regarding your A-Tech product, please visit the official A-Tech website or contact their customer service department. You can find more information at atechmemory.com.