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› A-Tech 4GB (2x2GB) DDR3 1066MHz DIMM RAM Memory Module Installation and User Manual for Gateway SX Series Desktops

A-Tech SX Series



A-Tech 4GB (2x2GB) DDR3 1066MHz DIMM RAM Memory Module User Manual

For Gateway SX Series Desktop Models

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your A-Tech 4GB (2x2GB) DDR3 1066MHz DIMM RAM memory modules. Please read this guide thoroughly before proceeding with installation to ensure proper functionality and to avoid potential issues. This memory kit is specifically designed for compatibility with Gateway SX Series Desktop computers.

PRODUCT OVERVIEW

The A-Tech 4GB (2x2GB) DDR3 1066MHz DIMM RAM kit is engineered to enhance the performance of compatible desktop systems. This kit consists of two 2GB DDR3 Non-ECC PC3-8500 1066MHz DIMM modules, providing a total of 4GB of memory. Upgrading your system's RAM can significantly improve multitasking capabilities and overall system responsiveness.

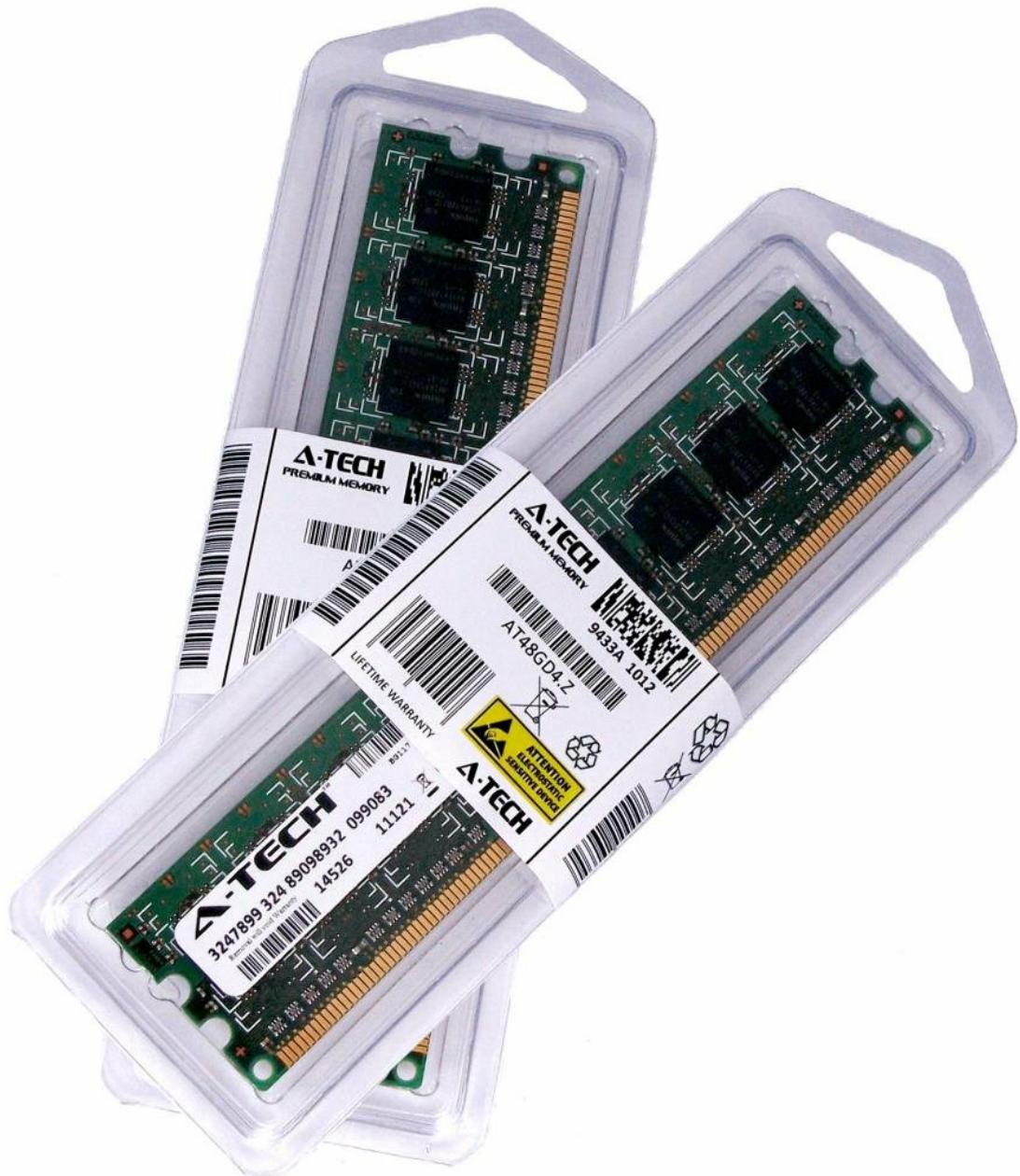


Image: Two A-Tech 2GB DDR3 DIMM RAM modules, part of the 4GB kit.

BOOST PERFORMANCE

An A-Tech memory upgrade **speeds** up loading times, **boosts** system responsiveness, & **improves** your system's ability to handle greater workloads



Image: A close-up view of a Desktop DIMM RAM module, highlighting its components.

COMPATIBILITY

This A-Tech memory kit is compatible with the following Gateway SX Series Desktop models:

- Gateway SX2800-01
- Gateway SX2800-01r
- Gateway SX2800-07
- Gateway SX2801-02M
- Gateway SX2803-25e
- Gateway SX2803-53
- Gateway SX2803-UB20P
- Gateway SX2803-US20P

Always verify your system's specific memory requirements before installation. Refer to your computer's manual for detailed information on supported RAM types and configurations.

INSTALLATION GUIDE

Before You Begin

- **Safety First:** Always unplug your computer from the power outlet before opening the case.
- **Static Electricity:** Static discharge can damage electronic components. Ground yourself by touching a metal part of the computer chassis before handling the memory modules. Consider using an anti-static wrist strap.
- **Tools:** A Phillips head screwdriver may be required to open your computer case.
- **Documentation:** Consult your Gateway SX Series Desktop's user manual for specific instructions on opening the case and locating memory slots.

Step-by-Step Installation

1. **Prepare Your System:** Shut down your computer completely and unplug all cables (power, monitor, peripherals).
2. **Open the Case:** Carefully open your computer's side panel. Refer to your desktop's manual for specific instructions on how to do this.
3. **Locate Memory Slots:** Identify the DIMM memory slots on your motherboard. These are typically long slots with clips on either end. Note the existing memory configuration if you are replacing modules.
4. **Remove Existing Modules (if applicable):** If you are replacing existing RAM, gently push the clips on both sides of the memory slot outwards. The module should pop up slightly. You can then carefully pull it straight out.
5. **Install New Modules:** Hold the new A-Tech memory module by its edges, avoiding touching the gold connectors. Align the notch on the module with the key in the DIMM slot.
6. **Seat the Module:** With even pressure, push down firmly on both ends of the module until the clips on the sides snap into place, securing the module. Ensure the clips are fully engaged.
7. **Verify Installation:** Double-check that both modules are securely seated and the clips are locked.
8. **Close the Case:** Reattach the computer's side panel and reconnect all cables.
9. **Power On:** Turn on your computer. The system should automatically detect the new memory. You can verify the installed memory in your operating system's system information.



Image: A desktop computer setup, illustrating the environment where RAM installation takes place.

OPERATING PRINCIPLES

Random Access Memory (RAM) serves as your computer's short-term data storage, allowing the processor to quickly access information needed for active applications and processes. An upgrade to your system's RAM, such as with this A-Tech kit, provides more space for your computer to store this temporary data. This results in:

- **Faster Loading Times:** Applications and files load more quickly.
- **Improved Multitasking:** Run more programs simultaneously without slowdowns.
- **Enhanced Responsiveness:** Your system feels snappier and more fluid during use.
- **Better Performance for Demanding Tasks:** Activities like video editing, gaming, or complex data processing benefit significantly from increased memory.



Images: Icons representing increased speed and accelerated performance.

MAINTENANCE

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

- **Keep System Clean:** Regularly clean the interior of your computer case to prevent dust buildup, which can impede airflow and lead to overheating of components, including RAM.
- **Avoid Physical Damage:** Handle memory modules carefully during installation or removal. Avoid bending or applying excessive force.
- **Environmental Control:** Operate your computer in a stable environment, avoiding extreme temperatures or humidity.

TROUBLESHOOTING

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

- **System Not Booting / No Display:**
 - Ensure the memory modules are fully seated in their slots. Gently push down on both ends until the clips snap into place.
 - Try installing only one module at a time to identify if one module is faulty.
 - Ensure the modules are installed in the correct slots as per your motherboard's manual (e.g., specific slots for dual-channel configuration).
- **Operating System Not Recognizing Full Memory:**
 - Verify your operating system is 64-bit, as 32-bit operating systems typically cannot utilize more than 4GB of RAM.
 - Check your system's BIOS/UEFI settings to ensure the memory is detected correctly.
- **System Instability / Blue Screens:**
 - This could indicate a compatibility issue or a faulty module. Re-seat the modules or test them individually.
 - Ensure your motherboard's BIOS is up to date, as updates can improve memory compatibility.
- **Incompatibility:** While this kit is designed for Gateway SX Series Desktops, specific sub-models or motherboard revisions might have unique requirements. Double-check your system's exact model number against the compatibility list.

If issues persist after these steps, contact A-Tech customer support for further assistance.

TECHNICAL SPECIFICATIONS

Feature	Specification
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Feature	Specification
Brand	A-Tech
Computer Memory Size	4 GB (2 x 2GB)
RAM Memory Technology	DDR3
Memory Speed	1066 MHz (PC3-8500)
Form Factor	DIMM
Number of Pins	240
ECC Type	Non-ECC
Compatible Devices	Gateway SX Series Desktops (SX2800-01, SX2800-01r, SX2800-07, SX2801-02M, SX2803-25e, SX2803-53, SX2803-UB20P, SX2803-US20P)
Item Weight	0.01 Ounces

WARRANTY AND SUPPORT

A-Tech memory products are backed by a **Lifetime Warranty**, ensuring dependable performance and peace of mind. This warranty covers defects in materials and workmanship for the lifetime of the product. For technical support, warranty claims, or any questions regarding your A-Tech memory modules, please visit the official A-Tech website or contact their customer service department. You can find more information and support resources at atechmemory.com.



Image: A shield icon representing dependable performance and protection.