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› A-Tech 16GB KIT (4 x 4GB) DDR3 ECC Registered RAM for Gateway GW Server Series GW2000h Instruction Manual

A-Tech AM145091

A-Tech 16GB KIT (4 x 4GB) DDR3 ECC Registered RAM Instruction Manual

Model: AM145091

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your A-Tech 16GB KIT (4 x 4GB) DDR3 ECC Registered PC3-10600 1333MHz Quad Rank RAM Memory. Please read these instructions carefully before proceeding with installation.

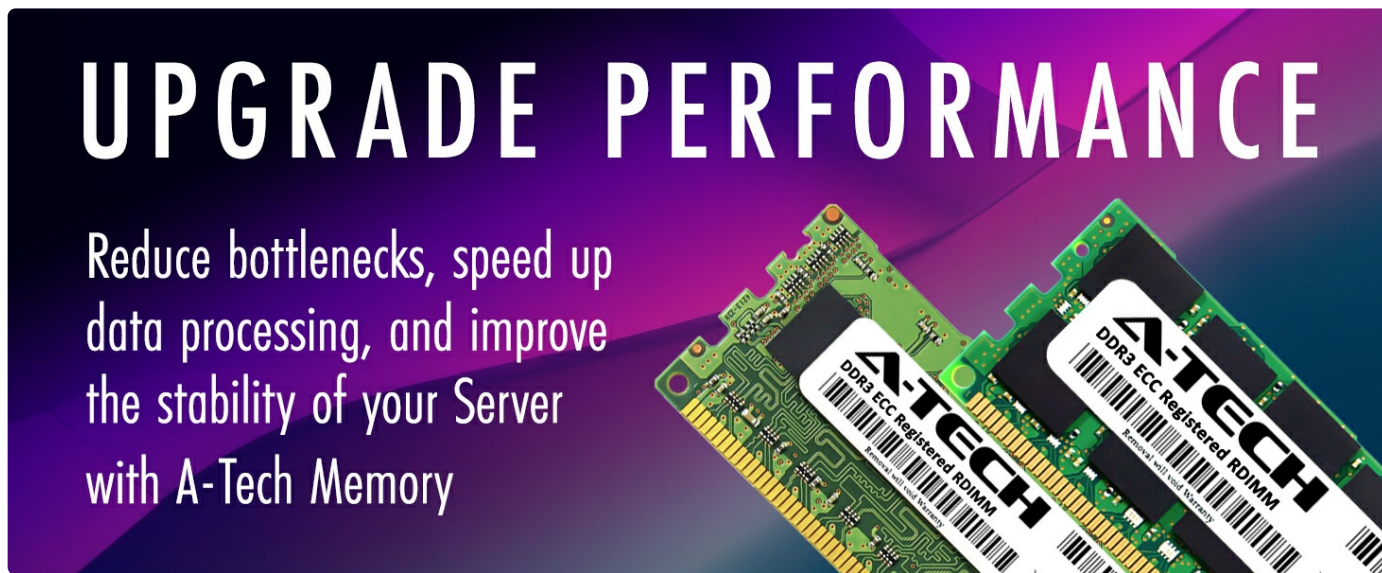


Image 1.1: A-Tech DDR3 ECC Registered RDIMM modules, illustrating performance benefits.

2. COMPATIBILITY

This A-Tech memory kit is specifically designed for the **Gateway GW Server Series GW2000h**. It is crucial to verify your system's compatibility before installation. This memory is **not compatible** with standard desktop or laptop PCs/computers. The memory type is DIMM DDR3 ECC Registered PC3-10600 1333MHz Quad Rank. Ensure your server motherboard supports this specific type of RAM.

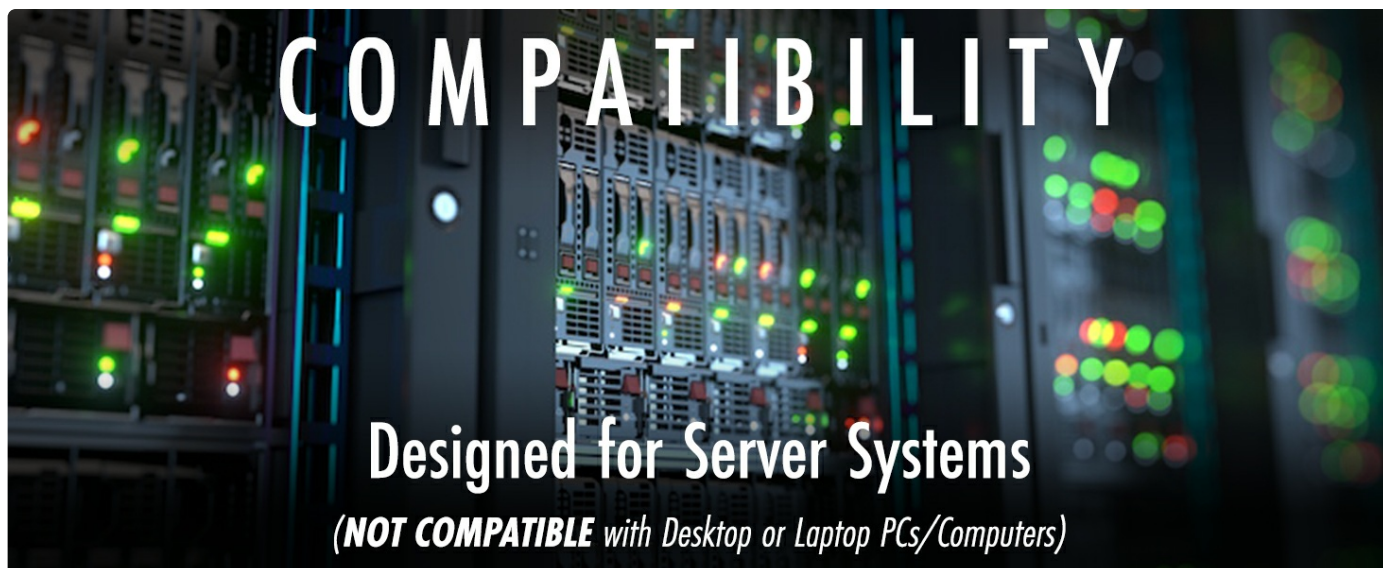


Image 2.1: Compatibility overview, emphasizing server system design.

3. SETUP AND INSTALLATION

Follow these steps carefully to install your new A-Tech RAM modules. Improper installation can damage the memory or your server.

3.1 Safety Precautions

- Always power off your server and disconnect it from the power source before opening the chassis.
- Discharge any static electricity by touching a grounded metal object (e.g., the server chassis) before handling memory modules. Consider using an anti-static wrist strap.
- Handle memory modules by their edges, avoiding contact with the gold connectors or integrated circuits.

3.2 Installation Steps

1. **Prepare the Server:** Power down your Gateway GW2000h server completely and unplug all power cables.
2. **Open the Chassis:** Refer to your server's specific manual for instructions on how to safely open the chassis.
3. **Locate RAM Slots:** Identify the DIMM slots on the motherboard. Consult your server's manual for the correct slot population order, especially when installing multiple modules.
4. **Prepare Slots:** Gently push the ejector clips at both ends of the DIMM slot outwards to open them.
5. **Insert Memory Module:** Align the notch on the A-Tech DDR3 ECC Registered DIMM with the key in the DIMM slot. Place the module into the slot and apply firm, even pressure to both ends until the ejector clips snap into place, securing the module.
6. **Repeat for all Modules:** Install the remaining three 4GB modules into the appropriate slots, following the server's recommended configuration.
7. **Close the Chassis:** Once all modules are securely installed, close the server chassis.
8. **Reconnect Power:** Plug in the power cables and any other peripherals.
9. **Power On:** Turn on your server. The system should automatically detect the new memory.



Image 3.1: A-Tech 16GB Kit (4 x 4GB) DDR3 ECC Registered RAM modules.

4. OPERATION

After successful installation, your server should recognize the increased memory capacity. You can verify this through your server's BIOS/UEFI settings or operating system's system information utility. The system should display 16GB of installed RAM.

5. MAINTENANCE

A-Tech RAM modules are designed for long-term reliability and generally require no specific maintenance. To ensure optimal performance and longevity:

- Ensure your server's internal environment is clean and free of dust to prevent overheating.
- Avoid physical shock or bending of the memory modules.
- Do not attempt to clean the gold contacts with abrasive materials or solvents. If cleaning is necessary, use a soft, lint-free cloth and isopropyl alcohol.



Image 5.1: A-Tech memory modules undergo extensive quality control testing.

6. TROUBLESHOOTING

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

- **Server Fails to Boot or Beeps:** This often indicates a memory issue.
 - Ensure all modules are seated correctly and the ejector clips are fully closed.
 - Verify the modules are installed in the correct slots according to your server's manual.
 - Try installing one module at a time to identify a potentially faulty module or slot.
- **Incorrect Memory Capacity Detected:**
 - Check BIOS/UEFI settings to ensure memory detection is enabled and accurate.
 - Confirm all modules are fully seated.
 - Ensure your server's motherboard supports the total installed capacity.
- **System Instability or Crashes:**
 - Run a memory diagnostic tool (e.g., MemTest86) to check for errors.
 - Verify that the memory is compatible with your server model (Gateway GW2000h).

If issues persist, contact A-Tech Customer Support for further assistance.

7. SPECIFICATIONS

Feature	Specification
Product Name	16GB KIT (4 x 4GB) DDR3 ECC Registered RAM
Model Number	AM145091
Brand	A-Tech
Memory Size	16 GB (4 x 4GB modules)
Memory Technology	DDR3

Memory Type	ECC Registered (RDIMM)
Speed	1333 MHz (PC3-10600)
Rank	Quad Rank
Compatible Devices	Gateway GW Server Series GW2000h
Product Dimensions	6.8 x 4 x 1.5 inches
Item Weight	7 ounces

8. WARRANTY INFORMATION

A-Tech memory products come with a **Lifetime Warranty**. This warranty covers defects in materials and workmanship for the lifetime of the product. For detailed warranty terms and conditions, please refer to the official A-Tech website or contact customer support.

9. CUSTOMER SUPPORT

For technical assistance, warranty claims, or any questions regarding your A-Tech memory, please visit the official A-Tech website or contact their customer support team. You can find more information at atechmemory.com.

10. IMPORTANT NOTICES

WARNING: This product was designed for Gateway GW Server Series GW2000h. The product may not function correctly if used with other systems. It may not be compatible with devices other than those listed above. If your device is not listed, please verify the capabilities of your system before purchase or installation.

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