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A-Tech EL1200-07W

A-Tech 4GB DDR2-667 RAM Memory Upgrade Kit Instruction Manual

For eMachines Everyday Performer EL1200-07W



Visit the official A-Tech website: atechmemory.com

1. INTRODUCTION

This manual provides detailed instructions for installing and maintaining your A-Tech 4GB DDR2-667 (PC2-5300) RAM Memory Upgrade Kit, specifically designed for the eMachines Everyday Performer EL1200-07W desktop computer. Proper installation ensures optimal performance and system stability. Please read all instructions carefully before proceeding with the installation.

2. PRODUCT OVERVIEW

The A-Tech 4GB DDR2-667 RAM Memory Upgrade Kit consists of two 2GB DDR2-667 PC2-5300 Non-ECC Unbuffered 240 Pin 1.8V CL=5 memory modules. This kit is engineered to enhance the performance of your compatible eMachines system by providing additional memory capacity.



Image: Two A-Tech DDR2-667 RAM modules, part of the 4GB upgrade kit.

A-TECH

The Experts in RAM Memory Upgrades

Image: A-Tech RAM modules, illustrating the physical form factor.

3. COMPATIBILITY

This memory kit is specifically designed and tested for compatibility with the **Machines Everyday Performer EL1200-07W** desktop computer. Using this memory in incompatible systems may lead to instability or system failure. Always verify your system's memory requirements before installation.

4. SETUP AND INSTALLATION

Before beginning the installation process, ensure you have read and understood all steps. It is recommended to consult your computer's official manual for specific instructions on opening the case and locating memory slots.

4.1 Safety Precautions

- **Power Off:** Completely shut down your computer and disconnect the power cord from the wall outlet.
- **Grounding:** Discharge any static electricity by touching a grounded metal object (e.g., the metal chassis of your computer) before handling memory modules. Static electricity can damage electronic components.
- **Handle with Care:** Hold memory modules by their edges, avoiding contact with the gold connectors or the chips.

4.2 Installation Steps

1. **Open Computer Case:** Carefully open your computer's case according to the manufacturer's instructions.
2. **Locate Memory Slots:** Identify the DDR2 DIMM slots on your motherboard. These are typically located near the CPU.
3. **Remove Existing Modules (if applicable):** If you are replacing existing memory, gently push the retention clips on both ends of the DIMM slot outwards to release the module. Carefully lift the module out.
4. **Insert New Modules:** Align the notch on the new A-Tech DDR2 module with the key in the DIMM slot. Press down firmly and evenly on both ends of the module until the retention clips snap into place, securing the module.
5. **Repeat for Second Module:** Install the second 2GB module into an available, compatible DIMM slot, following the same procedure. For optimal performance, install modules in matched pairs into the recommended slots (refer to your motherboard manual).
6. **Close Computer Case:** Once both modules are securely installed, close your computer's case.
7. **Reconnect Power:** Reconnect the power cord and any other peripherals.

Boost Performance

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



Image: Illustrative image of a RAM module being installed into a motherboard slot.

5. OPERATING AND VERIFICATION

After installation, power on your computer. The system should automatically detect the new memory. You can verify the installed RAM amount through your operating system:

- **Windows:** Right-click on "This PC" or "My Computer," then select "Properties." The "Installed RAM" or "Memory" section will display the total amount of detected memory.
- **BIOS/UEFI:** During startup, access your computer's BIOS or UEFI settings (usually by pressing Del, F2, F10, or F12). The system information section will typically show the installed memory.



Multitask with Ease

Take on more and multitask with ease by expanding your computer's ability to handle greater workloads

Image: A user working on a computer, symbolizing enhanced multitasking capabilities with upgraded RAM.

6. MAINTENANCE

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

- **Keep Clean:** Periodically clean the interior of your computer case to prevent dust buildup, which can affect cooling and component lifespan.
- **Proper Ventilation:** Ensure your computer has adequate airflow to prevent overheating, which can degrade memory performance over time.
- **Avoid Physical Stress:** Do not apply excessive force or bend the memory modules.

7. TROUBLESHOOTING

If you encounter issues after installing the memory, consider the following troubleshooting steps:

- **No Display/Beeps:**
 - Ensure memory modules are fully seated in their slots and the retention clips are locked.
 - Try reseating the modules.
 - If installing multiple modules, try installing one module at a time to identify a potentially faulty stick or slot.
- **Incorrect RAM Amount Detected:**
 - Verify that the modules are correctly seated.
 - Check your motherboard's manual for specific slot configurations or limitations.
 - Update your system's BIOS/UEFI to the latest version, as this can improve memory compatibility.
- **System Instability/Crashes:**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic) to check for errors.
 - Ensure your system's power supply is sufficient for all components, including the new memory.

8. SPECIFICATIONS

Key technical specifications for the A-Tech 4GB DDR2-667 (PC2-5300) RAM Memory Upgrade Kit:

Feature	Specification
Memory Type	DDR2 SDRAM
Capacity	4GB (2 x 2GB modules)
Speed	DDR2-667 (PC2-5300)
Form Factor	DIMM (240-pin)
Error Correction	Non-ECC Unbuffered
Voltage	1.8V
CAS Latency	CL=5
Compatibility	eMachines Everyday Performer EL1200-07W
Item Weight	2.6 ounces (total for kit)
Product Dimensions (each module)	6.7 x 2.2 x 0.56 inches



**Accelerate Speeds
to 667MHz**



**Take on Greater
Workloads**



**Designed for High
Quality Performance**

Image: Icons representing accelerated speeds to 667MHz, ability to handle greater workloads, and design for high-quality performance.

9. WARRANTY INFORMATION

This A-Tech memory upgrade kit is backed by a **Limited Lifetime Warranty**. For detailed terms and conditions, please refer to the official A-Tech website or contact customer support.

10. SUPPORT

For technical assistance, warranty claims, or further inquiries, please contact A-Tech Components directly. You can find contact information and additional resources on the official A-Tech website: atechmemory.com.

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