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› parts-quick 2GB PC3200 DDR ECC DIMM RAM Upgrade for ASUS A8N-SLI Motherboards User Manual

parts-quick 2X1GB-PC3200-ECC-184p-D-ASUS-2465

parts-quick 2GB PC3200 DDR ECC DIMM RAM Upgrade Kit

Model: 2X1GB-PC3200-ECC-184p-D-ASUS-2465

INTRODUCTION

This manual provides comprehensive instructions for the proper installation and use of your parts-quick 2GB (2 x 1GB) PC3200 DDR ECC DIMM RAM Upgrade Kit. This memory kit is specifically designed to enhance the performance of compatible ASUS/ASmobile A8N-SLI, A8N-SLI Deluxe, and A8N-SLI Premium Motherboards. Please read this manual thoroughly before proceeding with installation.

SAFETY PRECAUTIONS

Before handling any computer components, observe the following safety guidelines:

- Always power off your computer and unplug it from the wall outlet before opening the case.
- Discharge any static electricity from your body by touching a grounded metal object (e.g., the computer case) before handling components. Consider using an anti-static wrist strap.
- Handle memory modules by their edges to avoid touching the gold contacts or integrated circuits.
- Keep memory modules away from liquids and extreme temperatures.

SETUP: MEMORY INSTALLATION

Follow these steps to install the parts-quick 2GB DDR ECC DIMM RAM kit into your compatible ASUS A8N-SLI series motherboard:

1. **Prepare Your System:** Ensure your computer is completely powered off and unplugged. Open the computer case to access the motherboard.
2. **Locate RAM Slots:** Identify the DDR DIMM slots on your motherboard. Refer to your motherboard's manual for specific slot locations and recommended configurations for dual-channel memory.
3. **Open Retention Clips:** Gently push the white retention clips at both ends of the DIMM slot outwards to open them.
4. **Align the Module:** Hold the memory module by its edges. Align the notch on the bottom edge of the memory module with the key in the DIMM slot. The module should only fit one way. Do not force it.
5. **Insert the Module:** Place the module into the slot and apply even pressure to both ends of the module until it clicks into place and the retention clips automatically snap shut.
6. **Install Second Module:** Repeat steps 3-5 for the second 1GB memory module, ensuring it is installed in the correct corresponding slot for dual-channel operation as per your motherboard's guidelines.

7. **Close Case and Power On:** Once both modules are securely installed, close your computer case, plug in the power cord, and power on your system.



This image displays the two 1GB PC3200 DDR ECC DIMM RAM modules included in the kit. Each module is a standard 184-pin DIMM, designed for easy installation into compatible motherboard slots.

OPERATING: VERIFYING INSTALLATION

After installation, it is important to verify that the system recognizes the new memory:

- **BIOS/UEFI Check:** Upon booting, enter your system's BIOS or UEFI settings (usually by pressing DEL, F2, or F10 during startup). Navigate to the system information or memory section to confirm that the total installed RAM is reported as 2GB.
- **Operating System Check:**
 - **Windows:** Right-click "This PC" or "My Computer," then select "Properties." The installed RAM amount will be displayed.
 - **Linux:** Open a terminal and type `free -h` or `cat /proc/meminfo`.

If the system does not report the correct amount of RAM, refer to the Troubleshooting section.

MAINTENANCE

Memory modules generally require minimal maintenance. Follow these guidelines to ensure longevity:

- **Handling:** Always handle modules by their edges. Avoid touching the gold contacts or the chips on the module.
- **Storage:** If removing modules, store them in an anti-static bag to protect them from static discharge and dust.
- **Cleaning:** If dust accumulates on the modules or slots, use compressed air to gently remove it. Do not use liquids or abrasive materials.

TROUBLESHOOTING

If you encounter issues after installing your parts-quick memory, consider the following:

- **System Not Booting / No Display:**
 - Ensure the memory modules are fully seated in their slots and the retention clips are closed.
 - Try re-seating the modules. Remove them and re-insert them firmly.
 - Test one module at a time in a known working slot to identify if one module is faulty.
 - Verify that the modules are compatible with your specific motherboard model.
- **Incorrect RAM Amount Detected:**
 - Check your motherboard's manual for the correct DIMM slot population order, especially for dual-channel configurations.
 - Ensure your motherboard's BIOS/UEFI is updated to the latest version, as this can improve memory compatibility.
 - Confirm that your operating system is a 64-bit version if you are installing more than 4GB of RAM (though this kit is 2GB, it's a general troubleshooting tip).
- **System Instability / Blue Screens:**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic or MemTest86) to check for errors.
 - Ensure your motherboard's BIOS settings for memory (voltage, timings) are set to "Auto" or the recommended values for PC3200 DDR ECC memory.

SPECIFICATIONS

Capacity	2GB Kit (2 x 1GB)
Form Factor	184-pin DIMM
Speed	PC3200 (400MHz)
Technology	DDR SDRAM ECC
Voltage	2.6V
CAS Latency	CL3
Compatibility	ASUS/ASmobile A8N-SLI, A8N-SLI Deluxe, A8N-SLI Premium Motherboards
Manufacturer Part Number	2X1GB-PC3200-ECC-184p-D-ASUS-2465

WARRANTY AND SUPPORT

Your parts-quick memory kit is backed by a **Lifetime Warranty**, ensuring peace of mind regarding product quality and performance. For any technical assistance or support, please contact parts-quick's Toll-Free Technical Support. Refer to the product packaging or the parts-quick website for current contact information.

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