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parts-quick 32GB PC4-25600 DDR4-3200MHz UDIMM

Product Instruction Manual

parts-quick 32GB DDR4 3200MHz UDIMM RAM

PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your parts-quick 32GB DDR4 PC4-25600 3200MHz UDIMM RAM module. This memory module is designed for compatibility with Biostar A320MH, H510MH/E 2.0, and H510MX/E 2.0 Motherboards.

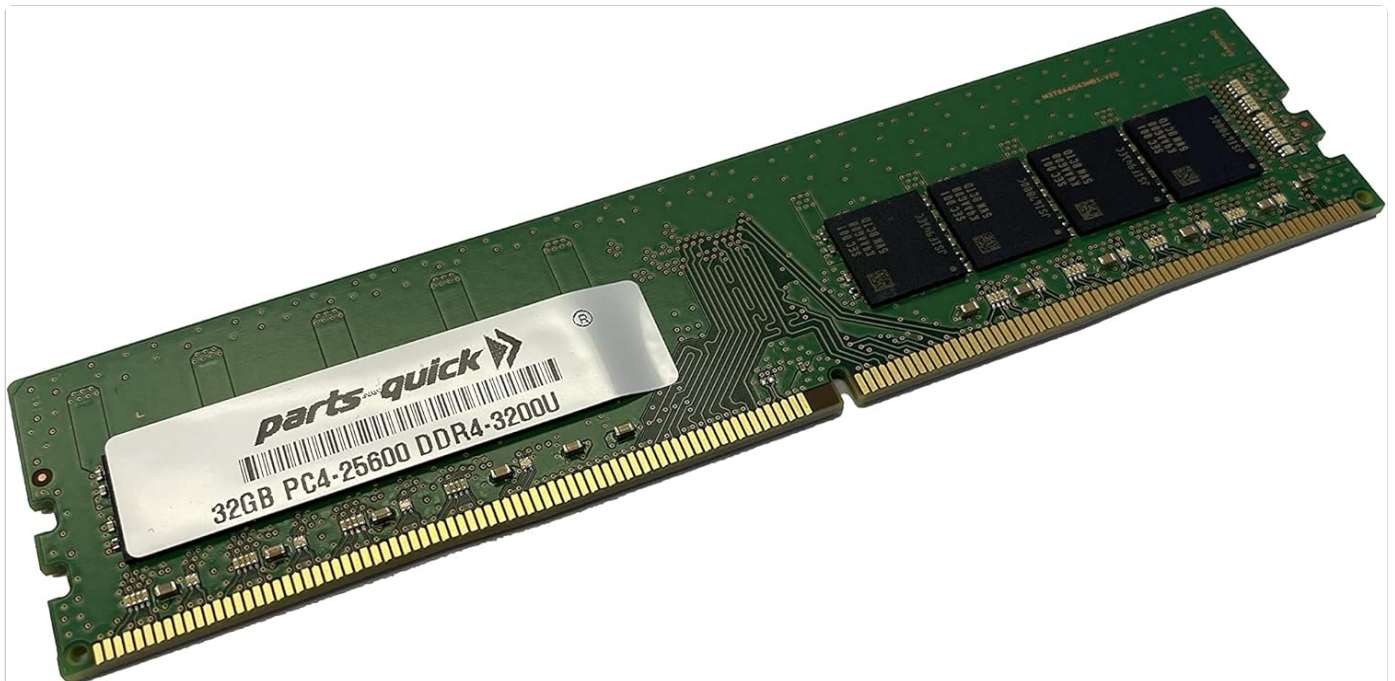


Figure 1: parts-quick 32GB DDR4 3200MHz UDIMM RAM module. This image displays a green printed circuit board (PCB) memory module with gold-plated contacts at the bottom. A white label on the module reads 'parts-quick 32GB PC4-25600 DDR4-3200U'. Several black memory chips are visible on the PCB.

SETUP AND INSTALLATION

Before beginning installation, ensure your computer is powered off and unplugged from the wall outlet. It is recommended

to wear an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to components.

1. **Prepare Your System:** Power down your computer completely and disconnect the power cable. Open the computer case to access the motherboard.
2. **Locate DIMM Slots:** Identify the available DDR4 DIMM slots on your Biostar 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 each end of the DIMM slot outwards to open them.
4. **Align the Module:** Hold the memory module by its edges, avoiding touching the gold contacts. Align the notch on the memory module with the key in the DIMM slot. The module will only fit one way.
5. **Insert the Module:** Apply even pressure to both ends of the memory module until it clicks into place and the retention clips automatically close. If the clips do not close, gently push them inwards until they secure the module.
6. **Secure and Power On:** Close your computer case, reconnect the power cable, and power on your system. The system should automatically detect the new memory.

If the system does not boot or recognize the memory, recheck the installation steps and ensure the module is fully seated.

OPERATING PRINCIPLES

The parts-quick 32GB DDR4 3200MHz UDIMM operates as a Non-ECC Unbuffered DIMM, providing high-speed data transfer for improved system performance. Once installed, the memory module functions automatically with your motherboard's BIOS/UEFI settings. No specific software or drivers are required for its operation.

- **Automatic Detection:** Modern motherboards automatically detect the installed memory capacity and speed.
- **Performance:** The 3200MHz speed (PC4-25600) ensures efficient data handling for demanding applications and multitasking.
- **Voltage:** Operates at 1.2V, contributing to energy efficiency.

MAINTENANCE

Memory modules generally require minimal maintenance. However, proper handling and environmental conditions are crucial for their longevity.

- **Cleanliness:** Keep the interior of your computer case clean to prevent dust buildup, which can impede airflow and lead to overheating of components, including RAM. Use compressed air to gently remove dust.
- **Temperature Control:** Ensure adequate ventilation within your computer case to maintain optimal operating temperatures.
- **Handling:** When handling the memory module, always hold it by the edges. Avoid touching the gold contacts or the memory chips directly to prevent damage from static electricity or oils from your skin.
- **Storage:** If removing the module for storage, place it in an anti-static bag.

TROUBLESHOOTING

Problem	Possible Cause	Solution
System does not boot or displays "No RAM detected" error.	Memory module not properly seated. Incompatible memory.	<ul style="list-style-type: none"> • Ensure the memory module is fully inserted into the DIMM slot and the retention clips are closed. • Verify that the memory module is compatible with your motherboard model (Biostar A320MH, H510MH/E 2.0, H510MX/E 2.0). • Try reseating the module in a different slot if available.
System boots but shows less RAM than installed.	Module not fully recognized. Operating system limitation (e.g., 32-bit OS).	<ul style="list-style-type: none"> • Check BIOS/UEFI settings to confirm memory detection. • Ensure you are running a 64-bit operating system to utilize more than 4GB of RAM. • Verify the module is correctly installed in the recommended slots for dual-channel operation (refer to motherboard manual).
Frequent system crashes or blue screens (BSOD).	Faulty memory module. Overheating.	<ul style="list-style-type: none"> • Run a memory diagnostic tool (e.g., Windows Memory Diagnostic, MemTest86) to check for errors. • Ensure proper airflow within the computer case to prevent overheating. • If issues persist, contact parts-quick technical support.

SPECIFICATIONS

- **Capacity:** 32GB
- **Memory Type:** DDR4
- **Speed:** 3200MHz (PC4-25600)
- **Form Factor:** 288-pin UDIMM (Unbuffered DIMM)
- **Error Correction:** Non-ECC
- **CAS Latency:** CL22
- **Voltage:** 1.2V
- **Compatibility:** Biostar A320MH, H510MH/E 2.0, H510MX/E 2.0 Motherboards
- **Compliance:** ROHS: HALOGEN FREE

WARRANTY AND SUPPORT

This parts-quick memory module is backed by a **Lifetime Warranty**. For technical assistance or warranty claims, please contact parts-quick customer support.

Toll Free Technical Support: Refer to the parts-quick official website or product packaging for the most current contact information.

For additional resources and FAQs, visit the parts-quick brand page on Amazon.

