

parts-quick 32GB DDR4 3200MHz UDIMM

parts-quick 32GB DDR4 3200MHz UDIMM RAM Instruction Manual

For Biostar H410MH Motherboard

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your parts-quick 32GB DDR4 3200MHz UDIMM RAM module. This memory module is specifically designed for compatibility with the Biostar H410MH Motherboard, ensuring optimal performance and stability for your system. Please read this guide thoroughly before proceeding with installation.

2. SETUP: INSTALLATION GUIDE

2.1. Before You Begin

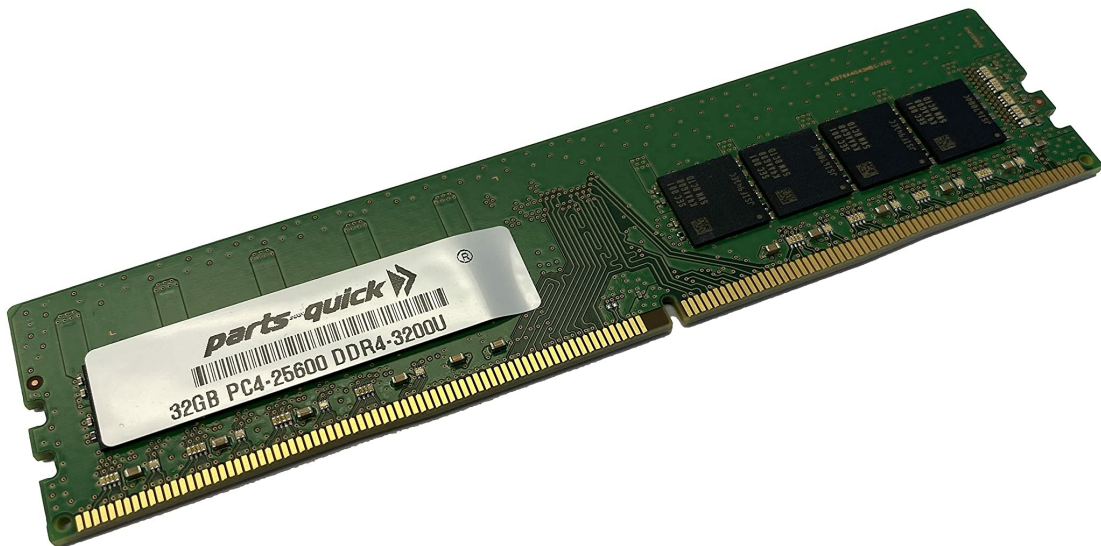
- **Safety First:** Always disconnect your computer from the power outlet before opening the case or handling internal components.
- **Static Electricity:** Static electricity can damage electronic components. Ground yourself by touching a metal part of your computer chassis before handling the RAM module. Consider using an anti-static wrist strap.
- **Tools:** A Phillips head screwdriver may be required to open your computer case.
- **Motherboard Manual:** Refer to your Biostar H410MH Motherboard manual for specific details regarding RAM slot locations and configurations.

2.2. Installation Steps

1. **Prepare Your System:**
 - Shut down your computer completely.
 - Unplug the power cord from the back of the power supply.
 - Open your computer case.
2. **Locate RAM Slots:** Identify the DDR4 DIMM slots on your Biostar H410MH Motherboard. These are typically long

slots near the CPU. Your motherboard may have two or four slots.

3. **Open Retention Clips:** Gently push the white or black retention clips at both ends of the DIMM slot outwards to open them.
4. **Align the RAM Module:** Hold the parts-quick RAM module by its edges, avoiding touching the gold contacts. Align the notch on the RAM module with the corresponding key in the DIMM slot. The module will only fit one way.
5. **Insert the RAM Module:** Place the RAM module into the slot. Apply even pressure to both ends of the module until the retention clips snap back into place, securing the module. You should hear a click.
6. **Verify Installation:** Ensure both retention clips are fully closed and the RAM module is seated firmly and evenly in the slot. There should be no gap between the module and the slot.
7. **Close Case and Power On:** Close your computer case, reconnect the power cord, and power on your system.



An image showing the parts-quick 32GB DDR4 3200MHz UDIMM RAM module, highlighting its form factor and label. This module is designed for easy installation into compatible DDR4 slots.

3. OPERATING: FIRST BOOT AND VERIFICATION

After successful installation, your system should recognize the new memory automatically. Follow these steps to verify:

1. **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 correct amount of RAM (32GB) is detected and running at the specified speed (3200MHz).
2. **Operating System Check:** Once your operating system loads, verify the installed memory:
 - **Windows:** Right-click on 'This PC' or 'My Computer', select 'Properties'. The 'Installed RAM' should display

32.0 GB.

- **Linux:** Open a terminal and type `free -h` or `cat /proc/meminfo`.

If the memory is not detected correctly, refer to the Troubleshooting section.

4. CARE AND MAINTENANCE

RAM modules generally require minimal maintenance. Adhere to the following guidelines to ensure longevity and optimal performance:

- **Keep Clean:** Ensure your computer's interior is free of dust, which can impede airflow and lead to overheating. Use compressed air to gently clean around RAM slots if necessary, with the system powered off.
- **Avoid Physical Stress:** Do not bend or apply excessive force to the RAM modules. Handle them by the edges.
- **Environmental Conditions:** Operate your computer in a well-ventilated area with stable temperature and humidity to prevent component stress.
- **Firmware Updates:** Keep your motherboard's BIOS/UEFI firmware updated, as this can sometimes improve memory compatibility and stability.

5. TROUBLESHOOTING COMMON ISSUES

If you encounter problems after installing the RAM, consult the table below for potential solutions:

Problem	Possible Cause	Solution
System does not boot or displays a blank screen.	RAM not seated correctly. Incompatibility.	Ensure RAM is fully seated in the slot, with clips locked. Try reseating the module. Verify compatibility with your motherboard model.
Incorrect amount of RAM detected (e.g., less than 32GB).	RAM not fully detected. BIOS/UEFI settings.	Reseat the RAM module. Check BIOS/UEFI settings to ensure the correct amount is recognized. Update motherboard BIOS/UEFI if available.
System crashes or experiences instability.	Faulty RAM module. Overheating.	Run a memory diagnostic tool (e.g., Windows Memory Diagnostic, MemTest86). Ensure adequate case ventilation. If issues persist, the module may be faulty; contact support.
RAM not running at 3200MHz.	Motherboard default settings.	Enter BIOS/UEFI and enable XMP (Extreme Memory Profile) or manually set the memory frequency to 3200MHz. Ensure your motherboard supports this speed.

6. PRODUCT SPECIFICATIONS

Detailed technical specifications for the parts-quick 32GB DDR4 3200MHz UDIMM RAM module:

Feature	Specification
Capacity	32 GB
Memory Type	DDR4
Speed	3200 MHz (PC4-25600)

Feature	Specification
Form Factor	288-pin UDIMM (Unbuffered DIMM)
CAS Latency (CL)	CL22
Voltage	1.2V
Error Correction	Non-ECC
Compatibility	Biostar H410MH Motherboard
ROHS Compliance	HALOGEN FREE

7. WARRANTY AND TECHNICAL SUPPORT

Your parts-quick 32GB DDR4 3200MHz UDIMM RAM module is backed by a**Lifetime Warranty**. This warranty covers defects in materials and workmanship for the lifetime of the product.

For any technical assistance, installation questions, or warranty claims, please contact parts-quick technical support. Contact information can typically be found on the product packaging or the official parts-quick website. Please have your product model and purchase details ready when contacting support.

Toll-Free Technical Support is available to assist you with any issues you may encounter.

ASK A QUESTION ABOUT THIS MANUAL

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Question

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