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> parts-quick 8GB DDR3 PC3-12800 1600MHz RAM Upgrade for HP Pavilion 500qe User Manual

parts-quick PC3-12800 1600MHz Non-ECC Desktop DIMM

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Model: PC3-12800 1600MHz Non-ECC Desktop DIMM

INTRODUCTION

This manual provides instructions for the installation and basic verification of your parts-quick 8GB DDR3 PC3-12800 1600MHz Non-ECC Desktop DIMM memory module. This module is designed to enhance the performance of compatible desktop systems, specifically the HP Pavilion 500qe, by increasing its available Random Access Memory (RAM). Please read these instructions carefully before proceeding with the installation to ensure proper handling and to avoid potential damage to your computer components.

SAFETY PRECAUTIONS

- Always disconnect the computer from the power outlet before opening the case.
- Discharge any static electricity from your body by touching a grounded metal object (e.g., the unpainted metal chassis of your computer) before handling internal components. Consider using an anti-static wrist strap.
- Handle the memory module by its edges to avoid touching the gold connectors or the chips.
- Work in a clean, well-lit area.

SETUP AND INSTALLATION

Follow these steps to install your new memory module:

1. Prepare Your System:

Shut down your computer completely and disconnect all cables, including the power cord, monitor, keyboard, and mouse. Move the computer to a flat, stable surface.

2. Open the Computer Case:

Refer to your computer's specific manual for instructions on how to safely open its case. Typically, this involves removing screws on the back panel and sliding off a side panel.

3. Locate Memory Slots:

Once the case is open, locate the DIMM (Dual In-line Memory Module) slots on the motherboard. These are usually long, narrow slots with clips on either end. Your HP Pavilion 500qe may have multiple slots.

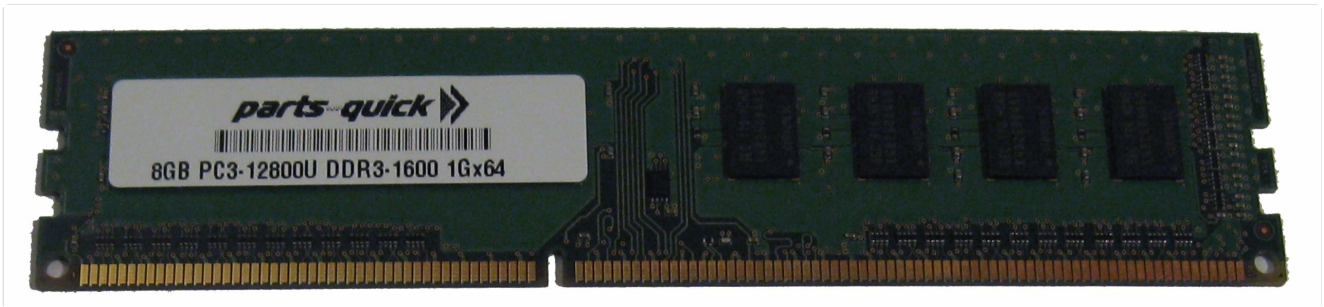


Image: The parts-quick 8GB DDR3 PC3-12800 1600MHz Non-ECC Desktop DIMM memory module. This image shows the physical appearance of the RAM stick, including its gold connectors and integrated circuits.

4. Install the Memory Module:

- Gently push open the white clips at both ends of an empty DIMM slot.
- Align the notch on the memory module with the corresponding key in the DIMM slot. The module will only fit one way.
- Place the module into the slot and press down firmly and evenly on both ends until the clips snap into place, securing the module. Do not force it. If it doesn't seat easily, re-check the alignment.

5. Close the Computer Case:

Once the memory module is securely installed, replace the side panel of your computer case and secure it with the screws you removed earlier.

6. Reconnect and Power On:

Reconnect all cables to your computer. Plug in the power cord and turn on your computer. The system should automatically detect the new memory.

OPERATING AND VERIFICATION

After installation, verify that the new memory is recognized by your system:

• Check System Information:

Once your computer boots up, navigate to your system information. In Windows, you can typically do this by right-clicking "This PC" or "My Computer" and selecting "Properties," or by searching for "System Information." Verify that the total installed RAM matches the expected amount (original RAM + 8GB).

• BIOS/UEFI Check:

For a more detailed check, you can enter your computer's BIOS or UEFI settings during startup (usually by pressing F2, Del, or F10 repeatedly). Look for a "System Information" or "Memory" section to confirm the installed memory modules and their speeds.

MAINTENANCE

Memory modules generally require minimal maintenance. However, following general computer maintenance practices can help ensure their longevity and optimal performance:

• Dust Control:

Periodically clean the interior of your computer case with compressed air to prevent dust buildup, which can impede airflow and lead to overheating of components, including RAM.

• Environmental Conditions:

Ensure your computer is operated in a well-ventilated area, away from direct sunlight and excessive heat or humidity.

• **Secure Seating:**

While rare, memory modules can sometimes become slightly unseated over time due to vibrations or movement. If you experience memory-related issues, you may carefully re-seat the modules after following safety precautions.

TROUBLESHOOTING

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

• **System Does Not Boot or Beeps:**

This often indicates that the memory module is not properly seated. Power off the computer, disconnect the power, and carefully re-seat the module, ensuring the clips snap into place.

• **Incorrect Memory Detected:**

If the system boots but reports incorrect memory, try re-seating the module. If the issue persists, ensure the module is compatible with your motherboard's specifications. Consult your motherboard manual for supported memory types and configurations.

• **System Instability or Crashes:**

Intermittent crashes or "Blue Screens of Death" (BSODs) can sometimes be memory-related. Run a memory diagnostic tool (e.g., Windows Memory Diagnostic) to check for errors. If errors are found, the module may be faulty, or there might be a compatibility issue.

• **Try One Module at a Time:**

If you installed multiple new modules, try booting with only one module installed at a time to isolate a potentially faulty stick.

SPECIFICATIONS

Feature	Detail
Capacity	8GB
Form Factor	240 pin DIMM (Non-ECC Unbuffered)
Speed	PC3-12800 DDR3 1600MHz
Voltage	1.5 Volts
Compatibility	HP Pavilion 500qe Desktop
Special Features	Halogen Free, ROHS Compliant, Lightweight

WARRANTY AND SUPPORT

This parts-quick memory module is backed by a **Lifetime Warranty**, ensuring peace of mind regarding its quality and durability.

For technical assistance or warranty claims, please contact parts-quick customer support. Toll-free technical support is available to assist you with any questions or issues you may encounter during installation or operation.

Please refer to the official parts-quick website or product packaging for the most current contact information.

ASK A QUESTION ABOUT THIS MANUAL

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Question

Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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