

parts-quick CQ5814

parts-quick 2GB DDR3 1333 MHz DIMM Memory Module Instruction Manual

Model: Compaq Presario CQ5814 Compatible Memory

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1. INTRODUCTION

This manual provides instructions for the installation and basic operation of the parts-quick 2GB PC3-10600 DDR3 1333 MHz DIMM Non-ECC Desktop RAM module. This memory module is specifically designed for compatibility with the Compaq Presario CQ5814 desktop PC, enhancing its performance by increasing available system memory. The module is a 240-pin DDR3 1333 MHz (PC3-10600) Non-ECC Unbuffered DIMM, operating at 1.5 volts. Please read this manual thoroughly before proceeding with installation.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury and damage to your computer components:

- **Electrostatic Discharge (ESD) Prevention:** Always ground yourself before handling memory modules or other internal computer components. Use an anti-static wrist strap or frequently touch a grounded metal object (e.g., the unpainted metal chassis of your computer) to dissipate static electricity.
- **Power Disconnection:** Ensure the computer is completely powered off and unplugged from the wall outlet before opening the case or installing any components.
- **Component Handling:** Handle memory modules by their edges. Avoid touching the gold connectors or the integrated circuits (chips) on the module.
- **Tool Usage:** Use appropriate tools, such as a Phillips head screwdriver, if required to open the computer case.
- **Ventilation:** Ensure adequate ventilation around your computer to prevent overheating, especially after hardware upgrades.

3. INSTALLATION

Follow these steps to install the parts-quick 2GB DDR3 memory module into your Compaq Presario CQ5814 desktop PC.

3.1 Preparation

1. **Power Off:** Shut down your computer completely and unplug the power cord from the wall outlet.
2. **Open Case:** Carefully open the computer case. Refer to your Compaq Presario CQ5814 user manual for specific instructions on how to open the chassis.
3. **Locate Memory Slots:** Identify the DIMM memory slots on the motherboard. These are typically long, narrow slots with clips on either end.
4. **Ground Yourself:** Before touching any internal components, ground yourself to prevent ESD.

3.2 Installing the Memory Module



Image: The parts-quick 2GB DDR3 1333 MHz DIMM memory module. This image shows the physical appearance of the RAM stick, including its chips and gold contacts.

1. **Open Clips:** Push the white clips at both ends of an empty DIMM slot outwards to open them.
2. **Align Module:** Hold the memory module by its edges. Align the notch on the bottom edge of the module with the key in the DIMM slot. The module will only fit one way. Do not force it.
3. **Insert Module:** Place the module into the slot and press down firmly and evenly on both ends until the clips snap into place, securing the module. Ensure the module is fully seated and the clips are locked.
4. **Repeat (if installing multiple modules):** If you are installing more than one module, repeat steps 1-3 for each additional module. Consult your computer's manual for optimal slot population (e.g., dual-channel configurations).

3.3 Post-Installation

1. **Close Case:** Once all memory modules are securely installed, close the computer case.
2. **Reconnect Power:** Plug the power cord back into the wall outlet.
3. **Power On:** Turn on your computer.

4. OPERATION CHECK

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

- **BIOS/UEFI Check:** During startup, enter your computer's BIOS or UEFI settings (usually by pressing F2, Del, or F10). Look for a system information or memory section to confirm the total installed RAM.
- **Operating System Check (Windows):**
 - Right-click on "This PC" or "My Computer" and select "Properties".
 - The "Installed RAM" or "Memory" value should reflect the total amount of memory, including the newly installed module.

If the memory is not recognized, refer to the Troubleshooting section.

5. MAINTENANCE

Memory modules generally require no specific maintenance. However, maintaining a clean computing environment can prolong the life of all components:

- **Dust Removal:** Periodically clean the interior of your computer case using compressed air to remove dust buildup, which can impede airflow and cause overheating.
- **Environmental Control:** Operate your computer in a cool, dry, and well-ventilated area to prevent excessive heat and humidity.

6. TROUBLESHOOTING

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

Symptom	Possible Cause	Solution
Computer does not boot or displays a blank screen.	Memory module not properly seated.	Power off and unplug the computer. Re-open the case and ensure the memory module is fully seated in its slot, with clips locked.
System boots, but total RAM is incorrect or less than expected.	Module not fully recognized or faulty.	Verify module seating. Try the module in a different slot. If multiple modules are installed, test them one by one. Check BIOS/UEFI settings.
Frequent system crashes or "Blue Screen of Death" (BSOD).	Memory instability or faulty module.	Run a memory diagnostic tool (e.g., Windows Memory Diagnostic). If errors are found, the module may be faulty. Contact support.
Computer beeps repeatedly on startup.	BIOS POST error indicating memory issue.	Refer to your motherboard's manual for beep codes. Typically, this indicates a memory detection failure. Re-seat the module or try a different slot.

If troubleshooting steps do not resolve the issue, please contact parts-quick technical support.

7. SPECIFICATIONS

Feature	Detail
Capacity	2GB
Form Factor	240-pin DIMM
Memory Type	DDR3 SDRAM
Speed	1333 MHz (PC3-10600)
Voltage	1.5 Volts
Error Correction	Non-ECC
Buffering	Unbuffered
CAS Latency	CL9
Compatibility	Compaq Presario CQ5814 Desktop PC
Environmental Compliance	Halogen Free; ROHS

8. 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.

- **Technical Support:** Toll Free Technical Support is available. Refer to the parts-quick website or product packaging for contact details.
- **Warranty Claims:** In the event of a defect, please contact parts-quick directly for warranty service. Proof of purchase may be required.

For the most current support information, please visit the official parts-quick website.

