

# Memory Modules

---

User Guide

© Copyright 2006 Hewlett-Packard  
Development Company, L.P.

The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

First Edition: March 2006

Document Part Number: 406621-001

# Table of contents

1 Replacing the memory module

2 Effects of increasing memory

Index ..... 9



# 1 Replacing the memory module

The computer has one memory module compartment, which is located on the bottom of the computer. The memory capacity of the computer can be upgraded by upgrading the existing memory module in the memory module slot.



---

**WARNING!** To reduce the risk of electric shock and damage to the equipment, unplug the power cord and remove all battery packs before installing a memory module.

---



---

**CAUTION** Electrostatic discharge (ESD) can damage electronic components. Before beginning any procedure, ensure that you are discharged of static electricity by touching a grounded metal object.

---

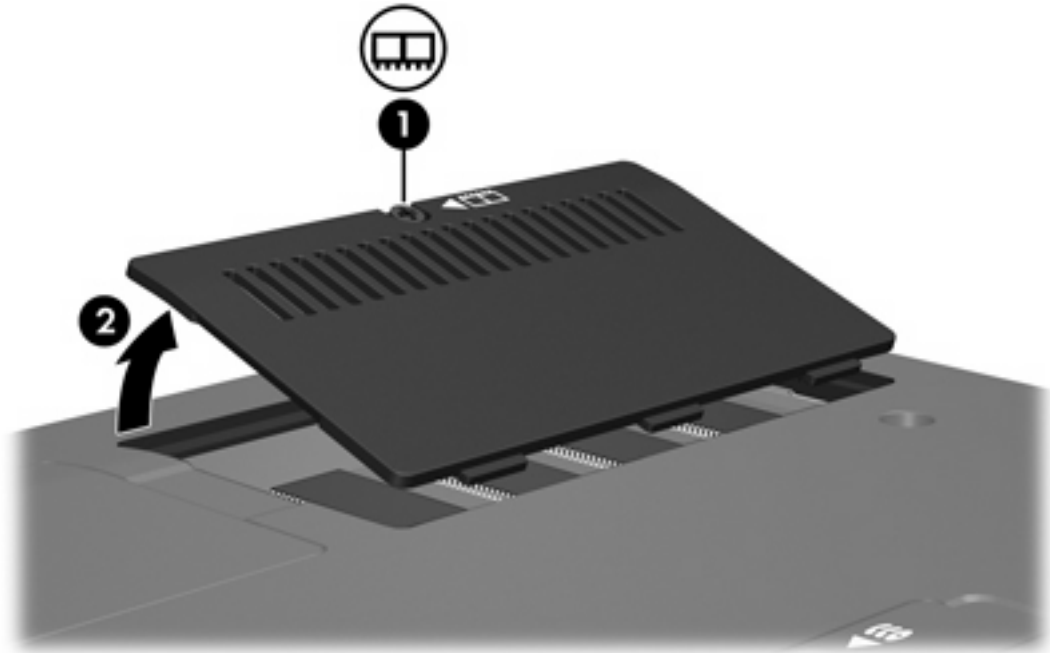
To replace a memory module:

1. Save your work.
2. Shut down the computer and close the display.

If you are not sure whether the computer is off or in hibernation, turn the computer on by pressing the power button. Then shut down the computer through the operating system.

3. Disconnect all external devices connected to the computer.
4. Unplug the power cord from the AC outlet.
5. Turn the computer upside down on a flat surface.
6. Remove the battery pack from the computer.
7. Loosen the memory module compartment cover screw **(1)**.

8. Lift the memory module compartment cover (2) away from the computer.



9. Remove the memory module:
  - a. Pull away the retention clips (1) on each side of the memory module .


The memory module tilts up.

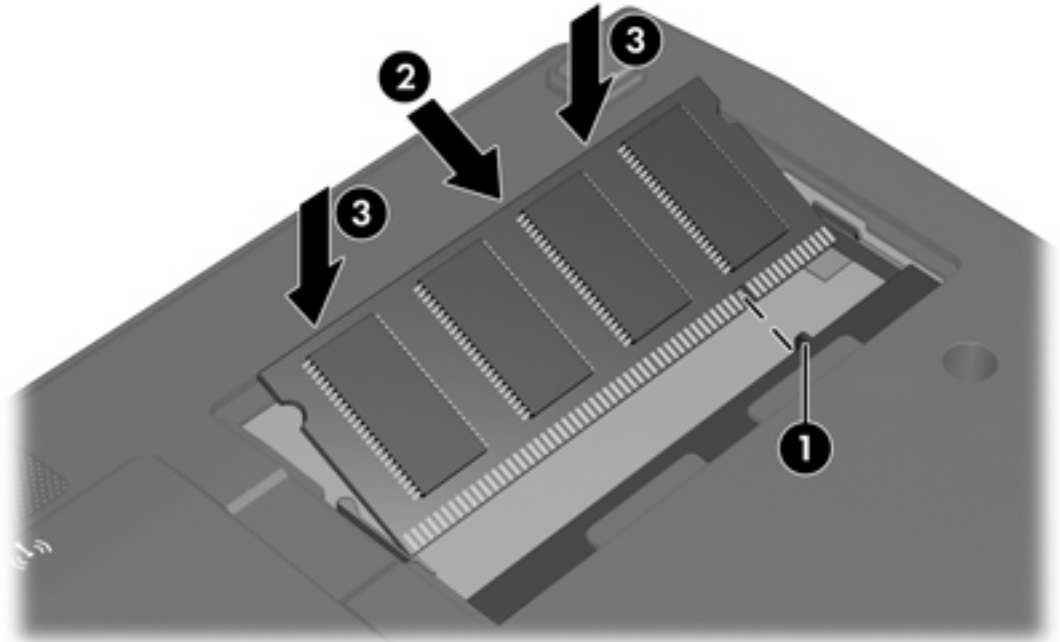


**CAUTION** To prevent damage to the memory module, hold the memory module by the edges only. Do not touch the components on the memory module.

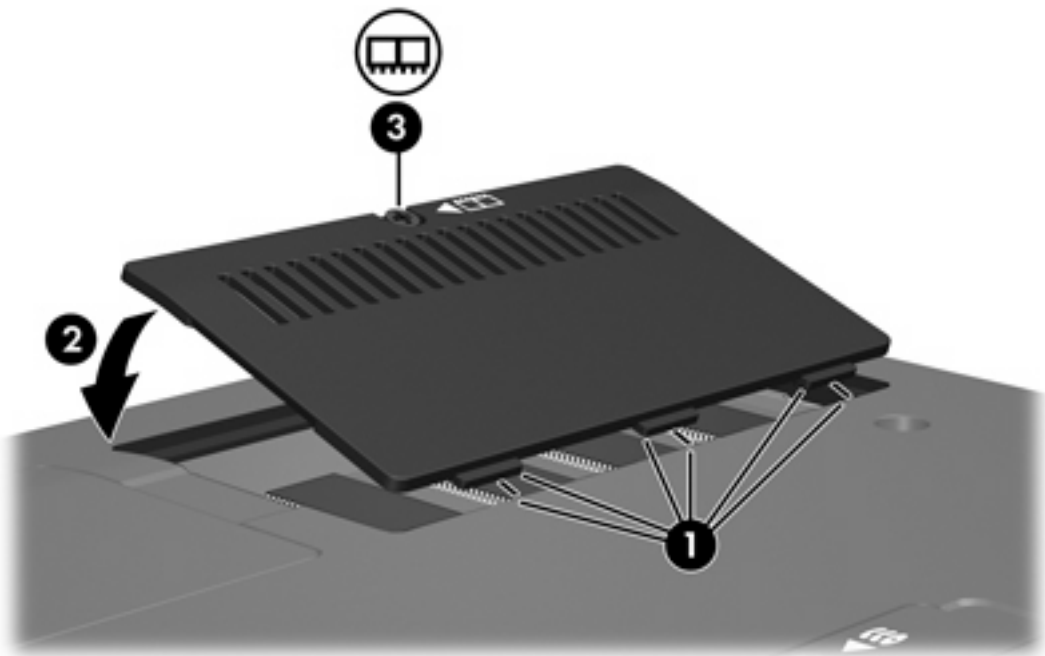


- c. Gently press the memory module **(3)** down, applying pressure to both the left and right edges of the memory module, until the retention clips snap into place.

 **CAUTION** To prevent damage to the memory module, be sure that you do not bend the memory module.



11. Align the tabs **(1)** on the memory module compartment cover with the notches on the computer.
12. Close the cover **(2)**.
13. Tighten the memory module compartment cover screw **(3)**.





14. Replace the battery pack.
15. Reconnect external power and external devices.
16. Turn on the computer.



## 2 Effects of increasing memory

When random access memory (RAM) increases, the operating system increases the hard drive space reserved for the hibernation file.

If you experience problems with hibernation after increasing memory, verify that the hard drive has enough free space to accommodate a larger hibernation file.

To display the amount of space required by the hibernation file:

- ▲ Select **Start > Control Panel > Performance and Maintenance > Power Options > Hibernate** tab.

To display the amount of memory in the system:

- ▲ Select **Start > Control Panel > Performance and Maintenance > System > General** tab.

– or –

Press **fn+esc**.

To display the amount of free space on the hard drive:

1. Select **Start > My Computer**.
2. Right-click the hard drive listing, and then click **Properties**.



# Index

## H

hard disk drive space 7

hard drive space 7

hibernation file 7

## M

memory

displaying free space 7

increasing 7

replacing memory modules 1

memory module

inserting 3

removing 2

replacing 1

memory module compartment

cover

removing 2

replacing 4





