Notebook Tour
User Guide

© Copyright 2008 Hewlett-Packard Development Company, L.P.

Bluetooth is a trademark owned by its proprietor and used by Hewlett-Packard Company under license. Microsoft and Windows are U.S. registered trademarks of Microsoft Corporation. SD Logo is a trademark of its proprietor.

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: July 2008

Document Part Number: 482356-001

Safety warning notice

⚠ **WARNING!** To reduce the possibility of heat-related injuries or of overheating the computer, do not place the computer directly on your lap or obstruct the computer air vents. Use the computer only on a hard, flat surface. Do not allow another hard surface, such as an adjoining optional printer, or a soft surface, such as pillows or rugs or clothing, to block airflow. Also, do not allow the AC adapter to contact the skin or a soft surface, such as pillows or rugs or clothing, during operation. The computer and the AC adapter comply with the user-accessible surface temperature limits defined by the International Standard for Safety of Information Technology Equipment (IEC 60950).

Table of contents

1 Identifying hardware

2 Components

Product notice ... 3
Display components ... 4
Top components ... 5
TouchPad ... 5
Lights ... 6
Buttons, switches, and speakers ... 7
Keys ... 8
Front components ... 9
Right-side components ... 10
Left-side components ... 11
Bottom components ... 12
Wireless antennae (select models only) ... 13
Additional hardware components ... 14

3 Labels

Index ... 17

1 Identifying hardware

To see a list of hardware installed in the computer, follow these steps:

1. Select **Start > Computer > System properties**.
2. In the left pane, click **Device Manager**.

You can also add hardware or modify device configurations using Device Manager.

NOTE: Windows® includes the User Account Control feature to improve the security of your computer. You may be prompted for your permission or password for tasks such as installing applications, running utilities, or changing Windows settings. Refer to Windows Help for more information.

2 Components

Product notice

This user guide describes features that are common to most models. Some features may not be available on your computer.

Display components

Components		Description
(1)	Webcam light (select models only)	On: The integrated camera is in use.
(2)	Webcam (select models only)	Records audio and video and captures still photographs.

Top components

TouchPad

Component		Description
(1)	TouchPad*	Moves the pointer and selects or activates items on the screen.
(2)	Left TouchPad button*	Functions like the left button on an external mouse.
(3)	TouchPad scroll zone	Scrolls up or down.
(4)	Right TouchPad button*	Functions like the right button on an external mouse.

*This table describes factory settings. To view or change pointing device preferences, select **Start > Control Panel > Hardware and Sound > Mouse**.

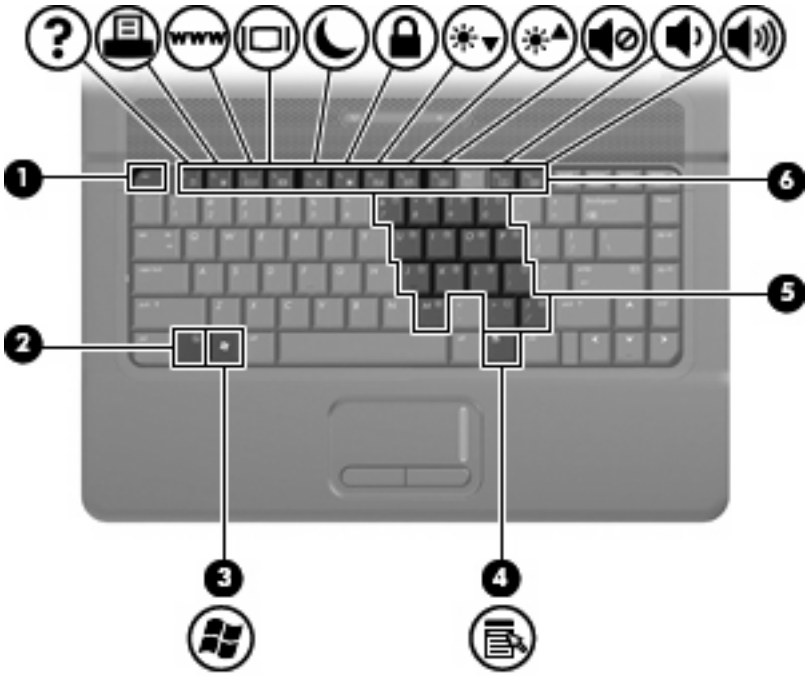
Lights

Component		Description
(1)	Caps lock light	On: Caps lock is on.
(2)	Wireless light	• Blue: An integrated wireless device, such as a wireless local area network (WLAN) device, the HP Broadband Wireless Module, and/or a Bluetooth® device, is on. • Amber: All wireless devices are off.
(3)	Power light	• On: The computer is on. • Blinking: The computer is in the Sleep state. • Off: The computer is off or in Hibernation.

Buttons, switches, and speakers

Component		Description
(1)	Wireless button	Turns the wireless feature on or off but does not establish a wireless connection. **NOTE:** You must set up or access a wireless network to establish a wireless connection.
(2)	Speakers (2)	Produce sound.
(3)	Internal display switch	Turns off the display if the display is closed while the power is on.
(4)	Power button	• When the computer is off, press the button to turn on the computer. • When the computer is on, press the button to turn off the computer. • When the computer is in the Sleep state, press the button briefly to exit Sleep. • When the computer is in Hibernation, press the button briefly to exit Hibernation. If the computer has stopped responding and Windows® shutdown procedures are ineffective, press and hold the power button for at least 5 seconds to turn off the computer. To learn more about your power settings, select **Start > Control Panel > System and Maintenance > Power Options**.

Keys

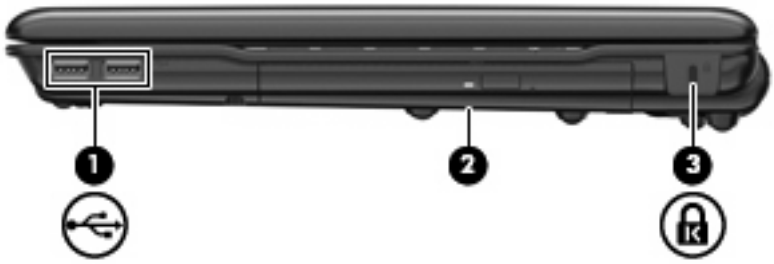


Component		Description
(1)	esc key	Displays system information when pressed in combination with the fn key.
(2)	fn key	Executes frequently used system functions when pressed in combination with a function key or the esc key.
(3)	Windows logo key	Displays the Windows Start menu.
(4)	Windows applications key	Displays a shortcut menu for items beneath the pointer.
(5)	Embedded numeric keypad keys	Can be used like the keys on an external numeric keypad.
(6)	Function keys	Execute frequently used system functions when pressed in combination with the fn key.

Front components

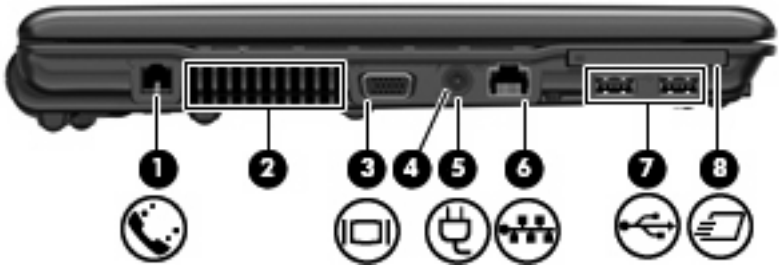
Component		Description
(1)	Media Card Reader	Supports the following optional digital card formats: • Memory Stick • Memory Stick Pro • MultiMediaCard • MultiMediaCard Plus • Secure Digital Memory Card • Secure Digital High Capacity Memory Card • xD-Picture Card • xD-Picture Card Type H • xD-Picture Card Type M
(2)	Drive light	• Blinking turquoise: The hard drive or optical drive is being accessed. • Amber: HP 3D DriveGuard has temporarily parked the hard drive.
(3)	Audio-out (headphone) jack	Connects optional powered stereo speakers, headphones, ear buds, a headset, or television audio.
(4)	Internal microphone	Records sound.
(5)	Audio-in (microphone) jack	Connects an optional computer headset microphone, stereo array microphone, or monaural microphone.

Right-side components



Component		Description
(1)	USB ports (2)	Connect optional USB devices.
(2)	Optical drive	Reads an optical disc.
(3)	Security cable slot	Attaches an optional security cable to the computer. **NOTE:** The security cable is designed to act as a deterrent, but it may not prevent the computer from being mishandled or stolen.

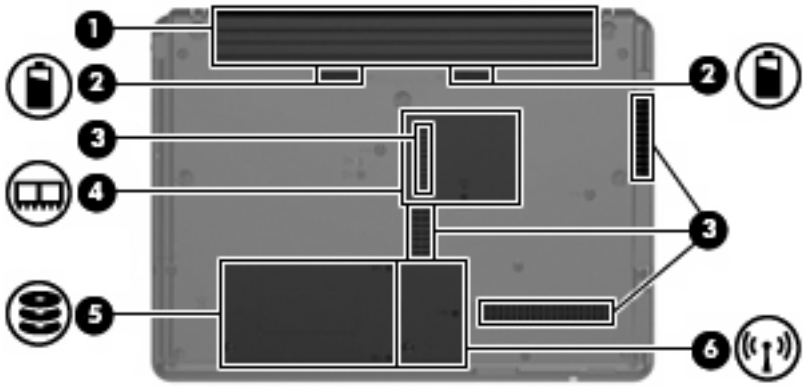
Left-side components



Component		Description
(1)	RJ-11 (modem) jack	Connects a modem cable.
(2)	Vent	Enables airflow to cool internal components. **NOTE:** The computer fan starts up automatically to cool internal components and prevent overheating. It is normal for the internal fan to cycle on and off during routine operation.
(3)	External monitor port	Connects an external VGA monitor or projector.
(4)	Battery light	• Amber: A battery is charging. • Turquoise: A battery is close to full charge capacity. • Blinking amber: A battery that is the only available power source has reached a low battery level. When the battery reaches a critical battery level, the battery light begins blinking rapidly. • Off: If the computer is plugged into an external power source, the light turns off when all batteries in the computer are fully charged. If the computer is not plugged into an external power source, the light stays off until the battery reaches a low battery level.
(5)	Power connector	Connects an AC adapter.
(6)	RJ-45 (network) jack	Connects a network cable.
(7)	USB ports (2)	Connect optional USB devices.
(8)	ExpressCard slot	Supports optional ExpressCards.

Bottom components

NOTE: Your computer may look slightly different from the illustration in this section.



Component		Description
(1)	Battery bay	Holds the battery.
(2)	Battery release latches (2)	Release the battery from the battery bay.
(3)	Vents (4)	Enable airflow to cool internal components. **NOTE:** Your computer may have up to 4 vents. **NOTE:** The computer fan starts up automatically to cool internal components and prevent overheating. It is normal for the internal fan to cycle on and off during routine operation.
(4)	Memory module compartment	Contains a memory module.
(5)	Hard drive bay	Holds the hard drive.
(6)	WLAN module compartment (select models only)	Contains a WLAN module. **NOTE:** To prevent an unresponsive system, replace the wireless module only with a wireless module authorized for use in the computer by the governmental agency that regulates wireless devices in your country or region. If you replace the module and then receive a warning message, remove the module to restore computer functionality, and then contact technical support through Help and Support.

Wireless antennae (select models only)

On select computer models, at least 2 antennae send and receive signals from one or more wireless devices. These antennae are not visible from the outside of the computer.

NOTE: For optimal transmission, keep the areas immediately around the antennae free from obstructions.

To see wireless regulatory notices, refer to the section of the *Regulatory, Safety and Environmental Notices* that applies to your country or region. These notices are located in Help and Support.

Additional hardware components

Component		Description
(1)	Power cord*	Connects an AC adapter to an AC outlet.
(2)	AC adapter	Converts AC power to DC power.
(3)	Battery*	Powers the computer when the computer is not plugged into external power.
(4)	Modem cable (select models only)*	Connects the internal modem to an RJ-11 telephone jack.

*Modem cables, batteries, and power cords vary in appearance by country or region.

3 Labels

The labels affixed to the computer provide information you may need when you troubleshoot system problems or travel internationally with the computer.

- Service tag—Provides important information including the following: the product brand and series name, serial number (s/n), and product number (p/n) of your computer.

  - Product name **(1)**. This is the product name affixed to the front of your computer.
  - Serial number (s/n) **(2)**. This is an alphanumeric number that is unique to each product.
  - Part number/Product number (p/n) **(3)**. This number provides specific information about the product's hardware components. The part number helps a service technician to determine what components and parts are needed.
  - Model description **(4)**. This is the number you need to locate documents, drivers, and support for your computer.
  - Warranty period **(5)**. This number describes the duration of the warranty period for this computer.

  Have this information available when you contact technical support. The service tag label is affixed to the bottom of the computer.

- Microsoft® Certificate of Authenticity—Contains the Windows® Product Key. You may need the Product Key to update or troubleshoot the operating system. This certificate is affixed to the bottom of the computer.
- Regulatory label—Provides regulatory information about the computer. The regulatory label is affixed to inside of the battery bay.
- Modem approval label—Provides regulatory information about the modem and lists the agency approval markings required by some of the countries in which the modem has been approved for use. You may need this information when traveling internationally. The modem label is affixed inside the hard drive bay.
- Wireless certification label(s) (select models only)—Provide information about optional wireless devices and the approval markings of some of the countries in which the devices have been approved for use. An optional device may be a wireless local area network (WLAN) device, an HP

Broadband Wireless Module, or an optional Bluetooth® device. If your computer model includes one or more wireless devices, one or more certification labels are included with your computer. You may need this information when traveling internationally. Wireless certification labels are affixed inside the WLAN module compartment.

Index

A

AC adapter, identifying 14
antennae 13
applications key, Windows 8
audio-in (microphone) jack, identifying 9
audio-out (headphone) jack, identifying 9

B

battery bay 12, 15
battery light, identifying 11
battery release latches, identifying 12
battery, identifying 14
bays
  battery 12, 15
  hard drive 12
Bluetooth label 16
buttons
  power 7
  TouchPad 5
  wireless 7

C

caps lock light, identifying 6
Certificate of Authenticity label 15
compartments
  memory module 12
  WLAN module 12
components
  additional hardware 14
  bottom 12
  front 9
  left-side 11
  right-side 10
  top 5
connector, power 11
cord, power 14

D

display switch, identifying 7
drive light, identifying 9

E

embedded numeric keypad keys, identifying 8
esc key, identifying 8
ExpressCard slot, identifying 11
external monitor port, identifying 11

F

fn key, identifying 8
function keys, identifying 8

H

hard drive bay, identifying 12
headphone (audio-out) jack 9

I

internal display switch, identifying 7
internal microphone, identifying 9

J

jacks
  audio-in (microphone) 9
  audio-out (headphone) 9
  RJ-11 (modem) 11
  RJ-45 (network) 11

K

keys
  esc 8
  fn 8
  function 8
  keypad 8
  Windows applications 8
  Windows logo 8

L

labels
  Bluetooth 16
  Microsoft Certificate of Authenticity 15
  modem approval 15
  regulatory 15
  service tag 15
  wireless certification 16
  WLAN 16
latches, battery release 12
lights
  battery 11
  caps lock 6
  drive 9
  power 6
  webcam 4
  wireless 6

M

Media Card Reader, identifying 9
memory module compartment, identifying 12
microphone (audio-in) jack 9
Microsoft Certificate of Authenticity label 15
modem approval label 15
monitor port, external 11

O

operating system
  Microsoft Certificate of Authenticity label 15
  Product Key 15
optical drive, identifying 10

P

ports
  external monitor 11
  USB 11

power button, identifying 7
power connector, identifying 11
power cord, identifying 14
power light, identifying 6
Product Key 15
product name and number, computer 15

R
regulatory information
modem approval label 15
regulatory label 15
wireless certification labels 16
release latches, battery 12
RJ-11 (modem) jack, identifying 11
RJ-45 (network) jack, identifying 11

S
scroll zone, TouchPad 5
security cable slot, identifying 10
serial number, computer 15
service tag 15
slots
ExpressCard 11
Media Card Reader 9
memory module 12
security cable 10
WLAN module 12
speaker, identifying 7

T
TouchPad
buttons 5
identifying 5
scroll zone 5
traveling with the computer
modem approval label 15
wireless certification labels 16

U
USB ports, identifying 11

V
vents, identifying 11, 12

W
webcam light, identifying 4
webcam, identifying 4
Windows applications key, identifying 8
Windows logo key, identifying 8
wireless antennae 13
wireless button, identifying 7
wireless certification label 16
wireless light, identifying 6
WLAN device 16
WLAN label 16
WLAN module compartment, identifying 12