Notebook Tour
User Guide

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Product notice

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

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

Top components 2
TouchPad 2
Lights 3
Keys 4
Front components 5
Right-side components 6
Left-side components 8
Bottom components 9
Display components 10
Wireless antennas (select models only) 11
Additional hardware components 12

3 Labels

Index 15

1 Identifying hardware

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

- Select **Start > Control Panel > System and Security**. Then in the **System** area, click **Device Manager**.

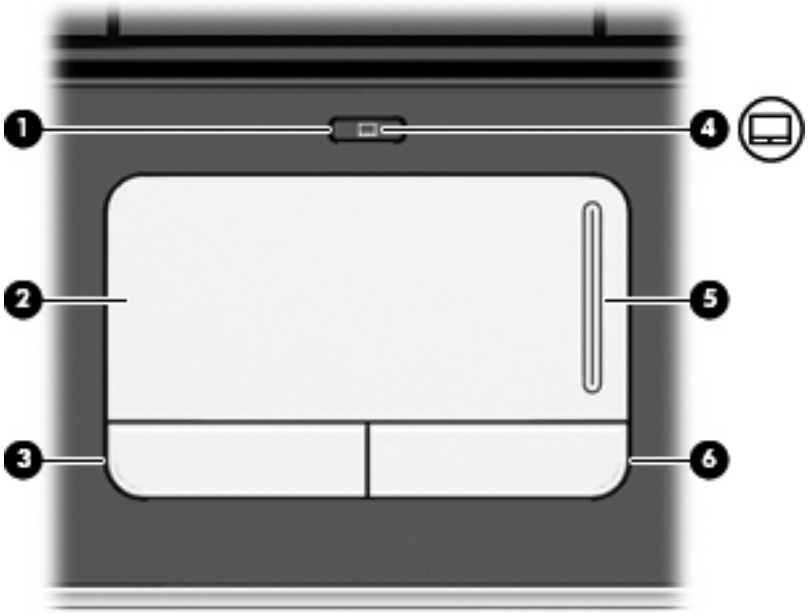
You can also add hardware or modify device configurations using Device Manager.

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 Help and Support for more information.

2 Components

Top components

TouchPad



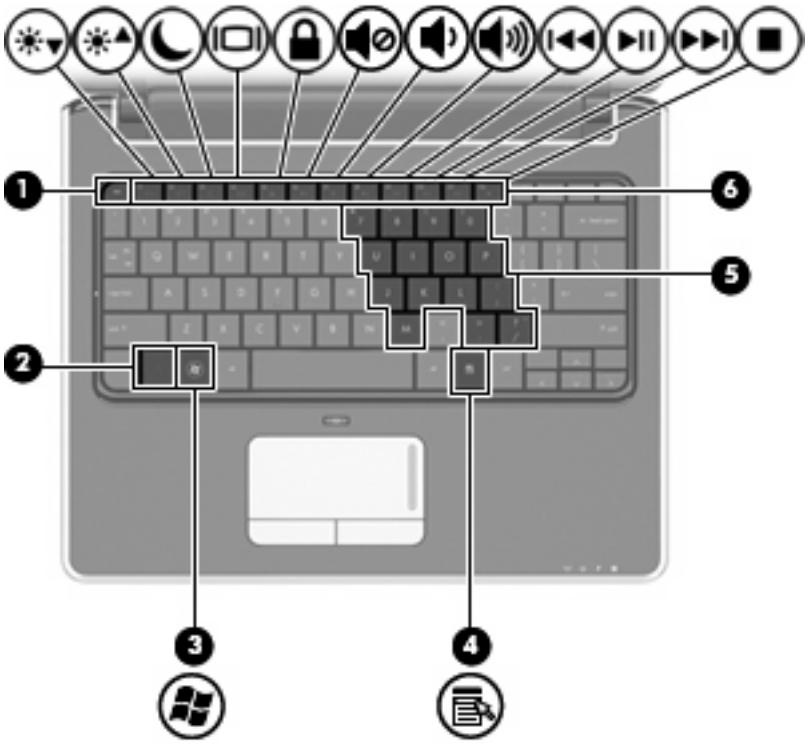
Component		Description
(1)	TouchPad on/off button	Enables/disables the TouchPad.
(2)	TouchPad*	Moves the pointer and selects or activates items on the screen.
(3)	Left TouchPad button*	Functions like the left button on an external mouse.
(4)	TouchPad light	• White: TouchPad is enabled. • Amber: TouchPad is disabled.
(5)	TouchPad scroll zone	Scrolls up or down.
(6)	Right TouchPad button*	Functions like the right button on an external mouse.

*This table describes factory settings. To view and change pointing device preferences, select **Start > Devices and Printers**. Then right-click the device representing your computer, and select **Mouse settings**.

Lights

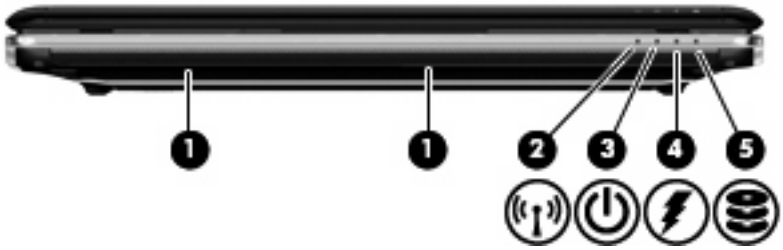
Component		Description
(1)	Caps lock light	On: Caps lock is on.
(2)	Num lock light	On: Num lock is on or the embedded numeric keypad is enabled.
(3)	Wireless light	• On: An integrated wireless device, such as a wireless local area network (WLAN) device and/or a Bluetooth® device, is on. • Off: All wireless devices are off.
(4)	Power light	• On: The computer is on. • Blinking: The computer is in the Sleep state. • Off: The computer is off or in Hibernation.
(5)	Battery light	• On: A battery is charging. • Blinking: 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 is turned 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.
(6)	Drive light	Blinking: The hard drive or optical drive is being accessed.

Keys



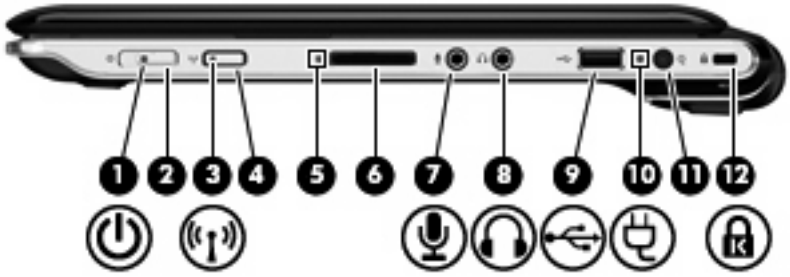
Component		Description
(1)	esc key	Displays system information when pressed in combination with the fn key.
(2)	fn key	Executes frequently used system functions when pressed in combination with a function key or the esc key.
(3)	Windows logo key	Displays the Windows Start menu.
(4)	Windows applications 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)	Speakers (2)	Produce sound.
(2)	Wireless light	• On: An integrated wireless device, such as a wireless local area network (WLAN) device and/or a Bluetooth® device, is on. • Off: 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.
(4)	Battery light	• On: A battery is charging. • Blinking: 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 is turned 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)	Drive light	Blinking: The hard drive or optical drive is being accessed.

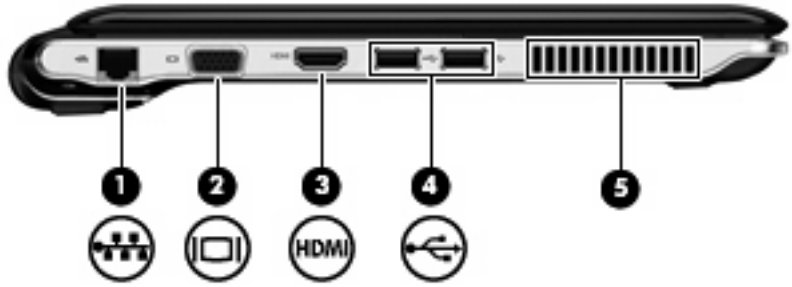
Right-side components



Component		Description
(1)	Power light	• On: The computer is on. • Blinking: The computer is in the Sleep state. • Off: The computer is off or in Hibernation.
(2)	Power switch	• When the computer is off, slide the switch to turn on the computer. • When the computer is on, slide the switch briefly to initiate Sleep. • When the computer is in the Sleep state, slide the switch briefly to exit Sleep. • When the computer is in Hibernation, slide the switch briefly to exit Hibernation. If the computer has stopped responding and Windows® shutdown procedures are ineffective, slide and hold the power switch for at least 5 seconds to turn off the computer. To learn more about your power settings, select **Start > Control Panel > System and Security > Power Options**.
(3)	Wireless light	• On: An integrated wireless device, such as a wireless local area network (WLAN) device and/or a Bluetooth® device, is on. • Off: All wireless devices are off.
(4)	Wireless button	Turns the wireless feature on or off but does not create a wireless connection. **NOTE:** To establish a wireless connection, a wireless network must already be set up.
(5)	Digital Media Slot light	On: The Digital Media Slot is in use.
(6)	Digital Media Slot	Supports the following digital card formats: • Memory Stick (MS) • Memory Stick Pro (MSP) • MultiMediaCard (MMC) • Secure Digital (SD) Memory Card • Secure Digital High Capacity (SDHC) Memory Card

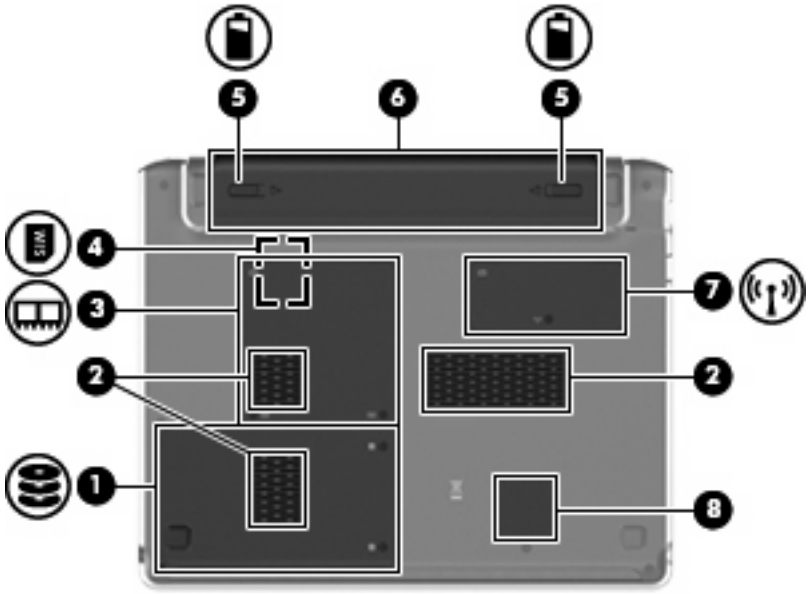
Component		Description
		• xD-Picture Card (XD) • xD-Picture Card (XD) Type H • xD-Picture Card (XD) Type M
(7)	Audio-in (microphone) jack	Connects an optional computer headset microphone, stereo array microphone, or monaural microphone.
(8)	Audio-out (headphone) jack	Produce sound when connected to optional powered stereo speakers, headphones, ear buds, a headset, or television audio.
(9)	USB port	Connects optional USB device.
(10)	AC adapter light	• On: The computer is connected to external power. • Off: The computer is not connected to external power.
(11)	Power connector	Connects an AC adapter.
(12)	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



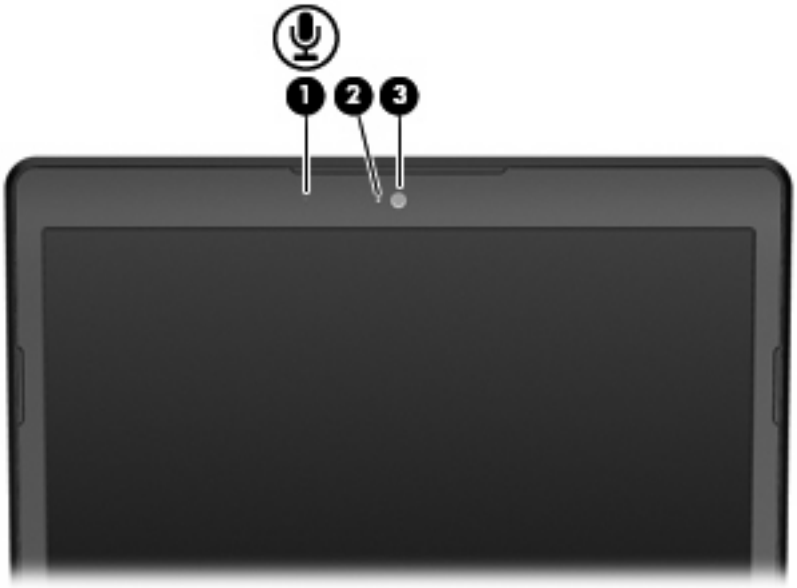
Component		Description
(1)	RJ-45 (network) jack	Connects a network cable.
(2)	External monitor port	Connects an external VGA monitor or projector.
(3)	HDMI port (select models only)	Connects an optional video or audio device, such as a high-definition television, or any compatible digital or audio component.
(4)	USB ports (2)	Connect optional USB devices. **NOTE:** Select models only can be configured with an optional external USB optical disc drive. For more information, refer to the printed *Quick Setup* poster.
(5)	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.

Bottom components



Component		Description
(1)	Hard drive bay	Holds the hard drive.
(2)	Vents (3)	Enable 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)	Memory module compartment	Contains the memory module slots.
(4)	Subscriber identity module (SIM) slot (select models only)	Located inside the battery bay.
(5)	Battery release latches (2)	Release the battery from the battery bay.
(6)	Battery bay	Holds the battery.
(7)	Wireless module compartment	Holds a wireless LAN 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.
(8)	Bluetooth compartment (select models only)	Contains a Bluetooth device.

Display components



Component		Description
(1)	Internal microphone	Records sound.
(2)	Webcam light	On: The webcam is in use.
(3)	Webcam	Records audio and video and captures still photographs.

Wireless antennas (select models only)

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

NOTE: For optimal transmission, keep the areas immediately around the antennas 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.

*Batteries and power cords vary in appearance by region and country.

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:

  - Product name **(1)**. This is the product name affixed to the front of your notebook.
  - Serial number (s/n) **(2)**. This is an alphanumeric identifier 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 use to locate documents, drivers, and support for your notebook.
  - Warranty period **(5)**. This number describes the duration (in years) 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 may be located under the battery or component doors.
- Wireless certification label(s) (select models only)—Provide information about optional wireless devices and the approval markings of some of the countries or regions in which the devices have been approved for use. An optional device may be a wireless local area network (WLAN) device 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 Mini Card compartment.

- SIM (subscriber identity module) label (select models only)—Provides the ICCID (Integrated Circuit Card Identifier) of your SIM. This label is located inside the battery bay.
- HP Mobile Broadband Module serial number label (select models only)—Provides the serial number of your HP Mobile Broadband Module. This label is located inside the battery bay.

Index

A

AC adapter light, identifying 7
AC adapter, identifying 12
antennas 11
applications key, Windows 4
audio-in (microphone) jack, identifying 7
audio-out (headphone) jack, identifying 7

B

battery bay 13
battery bay, identifying 9
battery light, identifying 3, 5
battery release latches, identifying 9
battery, identifying 12
bays
  battery 9, 13
  hard drive 9
Bluetooth label 14
buttons
  TouchPad 2
  TouchPad on/off 2
  wireless 6

C

caps lock light, identifying 3
Certificate of Authenticity label 13
compartments
  memory module 9
  wireless module 9
components
  additional hardware 12
  bottom 9
  display 10
  front 5
  left-side 8
  right-side 6
  top 2
connector, power 7
cord, power 12

D

Digital Media Slot, identifying 6
drive light, identifying 3, 5

E

esc key, identifying 4
external monitor port, identifying 8

F

fn key, identifying 4
function keys, identifying 4

H

hard drive bay, identifying 9
HDMI port, identifying 8
headphone (audio-out) jack 7
HP Mobile Broadband Module serial number label 14

I

integrated webcam light, identifying 10
internal microphone, identifying 10

J

jacks
  audio-in (microphone) 7
  audio-out (headphone) 7
  RJ-45 (network) 8

K

keypad keys, identifying 4
keys
  esc 4
  fn 4
  function 4
  keypad 4
  Windows applications 4
  Windows logo 4

L

labels
  Bluetooth 14
  HP Mobile Broadband 14
  Microsoft Certificate of Authenticity 13
  regulatory 13
  service tag 13
  SIM 14
  wireless certification 14
  WLAN 14
latches, battery release 9
lights
  battery 3, 5
  caps lock 3
  drive 3, 5
  num lock 3
  power 3, 5, 6, 7
  TouchPad 2
  webcam 10
  wireless 3, 5, 6

M

memory module compartment, identifying 9
microphone (audio-in) jack 7
Microsoft Certificate of Authenticity label 13
monitor port, external 8

N

num lock light, identifying 3

O

operating system
- Microsoft Certificate of Authenticity label 13
- Product Key 13

P

ports
- external monitor 8
- HDMI 8
- USB 7, 8

power connector, identifying 7
power cord, identifying 12
power lights, identifying 3, 5, 6
power switch, identifying 6
Product Key 13
product name and number, computer 13

R

regulatory information
- regulatory label 13
- wireless certification labels 14

RJ-45 (network) jack, identifying 8

S

scrolling regions, TouchPad 2
security cable slot, identifying 7
serial number, computer 13
service tag 13
SIM label 14
SIM slot, identifying 9
slots
- Digital Media 6
- memory module 9
- security cable 7
- SIM 9

speakers, identifying 5
switch
- power 6

T

TouchPad
- buttons 2
- identifying 2
- scrolling regions 2

TouchPad light, identifying 2
TouchPad on/off button 2

U

USB ports, identifying 7, 8

V

vents, identifying 8, 9

W

webcam, identifying 10
Windows applications key, identifying 4
Windows logo key, identifying 4
wireless antennas 11
wireless button, identifying 6
wireless certification label 14
wireless light, identifying 3, 5, 6
wireless module compartment, identifying 9
WLAN device 14
WLAN label 14