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

Display 3
Top components 4
Pointing devices 4
Lights 5
Buttons and fingerprint reader 6
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 > My Computer**.
2. In the left pane of the System Tasks window, select **View system information**.
3. Select **Hardware** tab **> Device Manager**.

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

2 Components

Display

Component		Description
(1)	Internal microphones (2)	Record sound.
(2)	HP Webcam	Records audio and video and captures still photographs.
(3)	HP Webcam light	On: The integrated camera is in use.

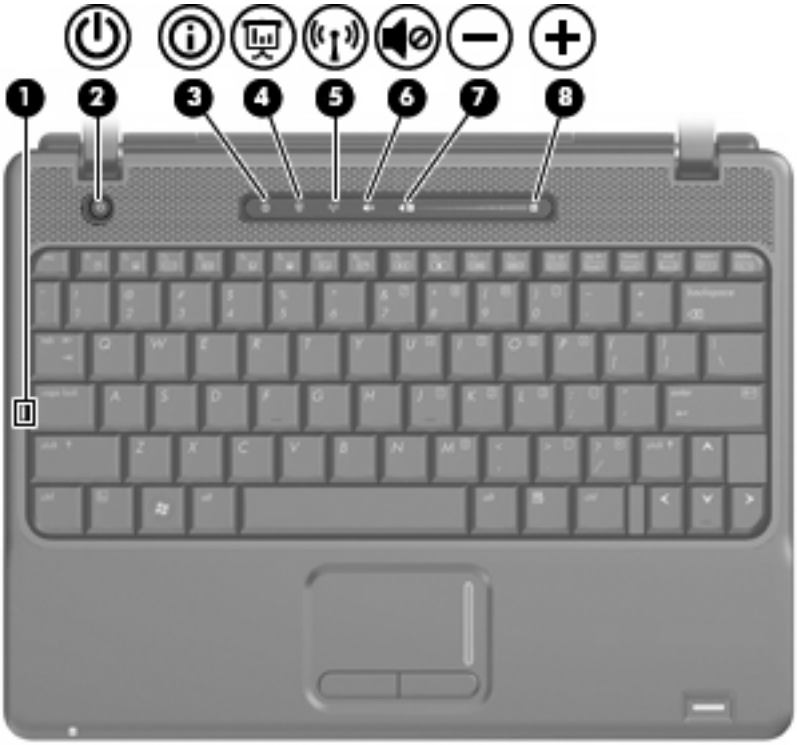
Top components

Pointing devices

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)	Right TouchPad button*	Functions like the right button on an external mouse.
(4)	TouchPad scroll zone	Scrolls up or down.

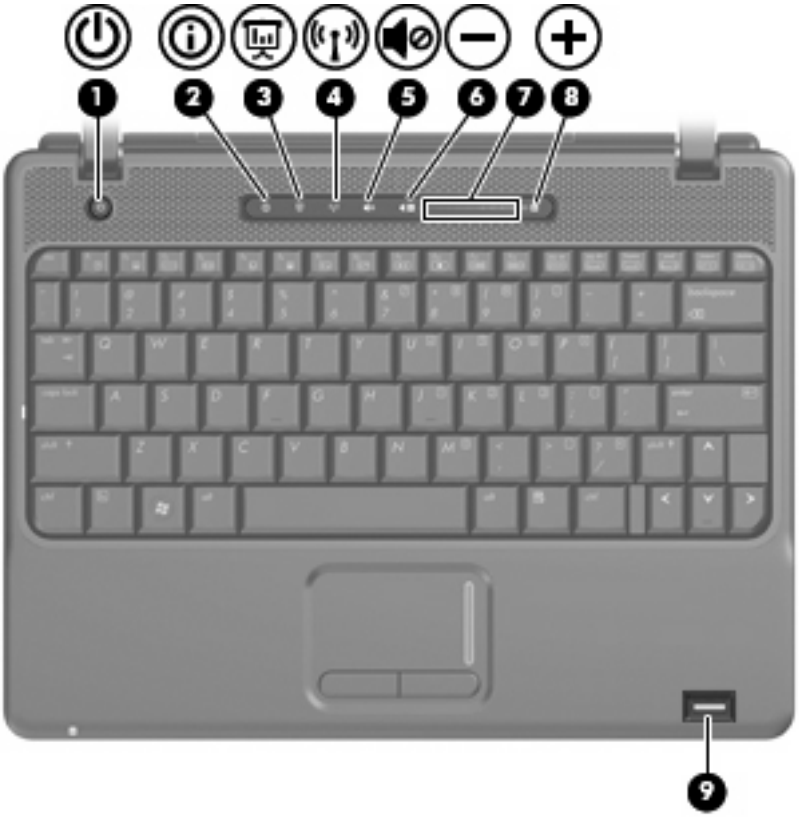
*This table describes factory settings. To view or change pointing device preferences, select **Start > Control Panel > Printers and Other Hardware > Mouse**.

Lights



Component		Description
(1)	Caps lock light	On: Caps lock is on.
(2)	Power light	• On: The computer is on. • Blinking: The computer is in Standby. • Blinking rapidly: An AC adapter with a higher power rating should be connected. • Off: The computer is off or in Hibernation.
(3)	Info button light	On: The Info Center is launched.
(4)	Presentation button light	On: Presentation Options is on.
(5)	Wireless light	• Blue: An integrated wireless device, such as a wireless local area network (WLAN) device, an HP Broadband Wireless Module, or a Bluetooth® device, is on. • Amber: All wireless devices are off.
(6)	Volume mute light	• Off: Computer sound is on. • On: Computer sound is off.
(7)	Volume down light	Blinking: The volume scroll zone is being used to decrease speaker volume.
(8)	Volume up light	Blinking: The volume scroll zone is being used to increase speaker volume.

Buttons and fingerprint reader

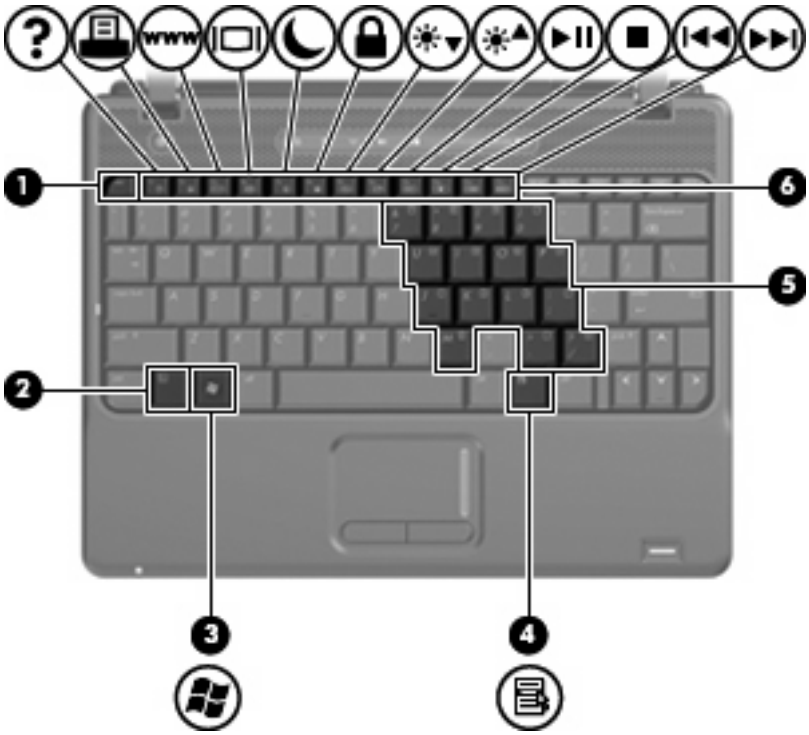


Component		Description
(1)	Power button	• When the computer is off, press the button to turn on the computer. • When the computer is on, press the button to shut down the computer. • When the computer is in Standby, press the button briefly to exit Standby. • When the computer is in Hibernation, press 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 > Performance and Maintenance > Power Options**.
(2)	Info button	Launches Info Center, which enables you to open various software solutions.
(3)	Presentation button	Starts the presentation feature.
(4)	Wireless button	Turns the wireless feature on or off but does not establish a wireless connection. **NOTE:** A wireless network must be set up in order to establish a wireless connection.

(5)	Volume mute button	Mutes and restores speaker sound.
(6)	Volume down button	Decreases speaker volume.
(7)	Volume scroll zone	Adjusts speaker volume. Slide your finger to the left to decrease volume and to the right to increase volume.
(8)	Volume up button	Increases speaker volume.
(9)	Fingerprint reader	Allows a fingerprint logon to Windows, instead of a password logon.

Keys

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

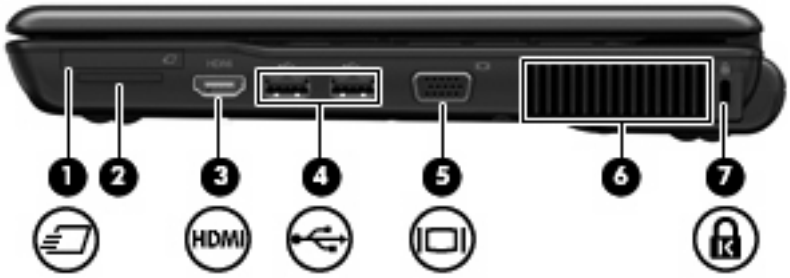


Component		Description
(1)	esc key	Displays system information when pressed in combination with the fn key.
(2)	fn key	Executes frequently used system functions when pressed in combination with a function key or the esc key.
(3)	Windows logo key	Displays the Windows Start menu.
(4)	Windows applications 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

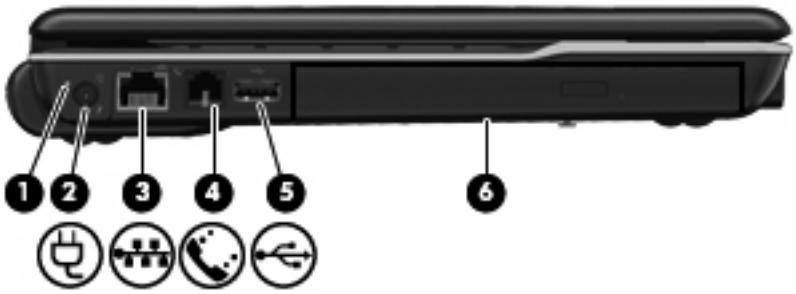
Component		Description
(1)	Drive light	• Blinking turquoise: The hard drive or optical drive is being accessed. • Amber: HP 3D DriveGuard has temporarily parked the hard drive.
(2)	Audio-in (microphone) jack	Connects an optional computer headset microphone, stereo array microphone, or monaural microphone.
(3)	Audio-out (headphone) jack	Produces sound when connected to optional powered stereo speakers, headphones, ear buds, a headset, or television audio.

Right-side components



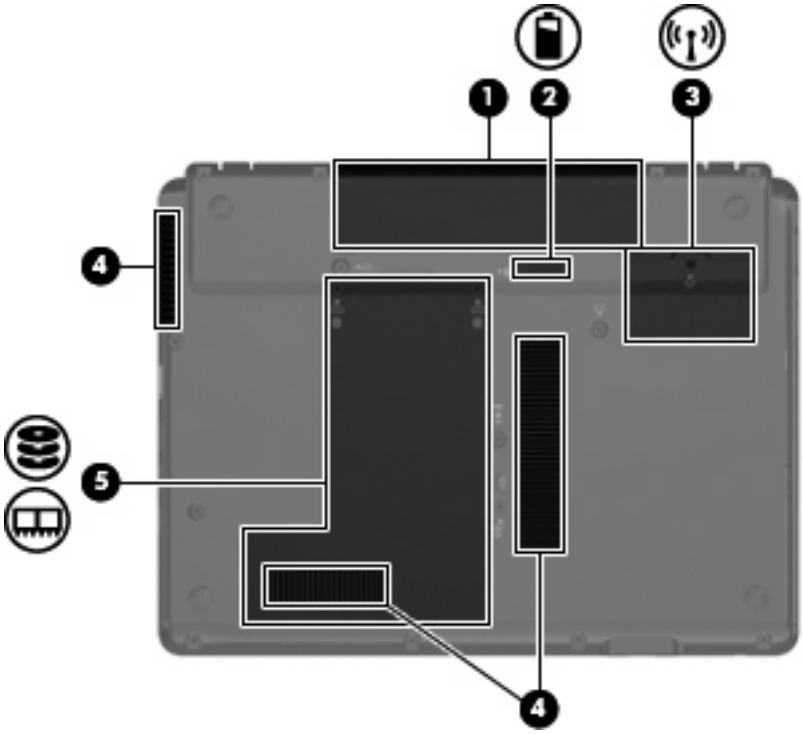
Component		Description
(1)	ExpressCard slot	Supports optional ExpressCards.
(2)	Media Card Reader (select models only)	Supports the following optional digital card formats: • MultiMediaCard • MultiMediaCard Plus • Secure Digital Memory Card • Secure Digital High Capacity Memory Card
(3)	HDMI port	Connects an optional video or audio device, such as a high-definition television or any compatible digital or audio component.
(4)	USB ports (2) (select models only)	Connect optional USB devices.
(5)	External monitor port	Connects an external VGA monitor or projector.
(6)	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.
(7)	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)	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.
(2)	Power connector	Connects an AC adapter.
(3)	RJ-45 (network) jack	Connects a network cable.
(4)	RJ-11 (modem) jack	Connects a modem cable.
(5)	USB port	Connects an optional USB device.
(6)	Optical drive	Reads optical discs and, on select models, also writes to optical discs.

Bottom components



Component		Description
(1)	Battery bay	Holds the battery.
(2)	Battery release latch	Releases the battery from the battery bay.
(3)	Wireless module compartment	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.
(4)	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.
(5)	Hard drive bay	Holds the hard drive and memory module slot.

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)	Battery*	Powers the computer when the computer is not plugged into external power.
(3)	AC adapter	Converts AC power to DC power.
(4)	Modem cable (select models only)*	Connects the internal modem to an RJ-11 telephone jack or to a country- or region-specific modem cable adapter.
(5)	Country- or region-specific modem cable adapter (select models only)*	Adapts the modem cable to a non-RJ-11 telephone jack.

*Modem cables, modem cable adapters, 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:

  - Product name **(1)**. This is the product name affixed to the front of your notebook.
  - 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 use to locate documents, drivers, and support for your notebook.
  - Warranty period **(5)**. 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 inside 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 approval 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 hard drive bay.

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 latch, identifying 12
battery, identifying 14
bays
  battery 12, 15
  hard drive 12
Bluetooth label 16
buttons
  info 6
  power 6
  Presentation 6
  TouchPad 4
  volume down 7
  volume mute 7
  volume up 7
  wireless 6

C

camera, identifying 3
caps lock light, identifying 5
Certificate of Authenticity label 15
compartment
  WLAN module 12
components
  additional hardware 14
  bottom 12
  display 3
  front 9
  left-side 11
  right-side 10
  top 4
connector, power 11
cord, power 14

D

drive light, identifying 9

E

earbuds 9
esc key, identifying 8
ExpressCard slot, identifying 10
external monitor port, identifying 10

F

fingerprint reader, identifying 7
fn key, identifying 8
function keys, identifying 8

H

hard drive bay, identifying 12
HDMI port, identifying 10
headphone (audio-out) jack 9
headphones 9
HP Webcam light, identifying 3
HP Webcam, identifying 3

I

info button light, identifying 5
info button, identifying 6
internal microphones, identifying 3

J

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

K

keypad keys, identifying 8
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
latch, battery release 12
lights
  battery 11
  caps lock 5
  drive 9
  info button 5
  mute 5
  power 5
  presentation button 5
  volume down 5
  volume mute 5
  volume up 5
  wireless 5

M

Media Card Reader, identifying 10

microphone (audio-in) jack 9
microphones, internal, identifying 3
Microsoft Certificate of Authenticity label 15
modem approval label 15
modem cable 14
monitor port, external 10
mute button, identifying 7
mute light, identifying 5

O
operating system
Microsoft Certificate of Authenticity label 15
Product Key 15
optical drive, identifying 11

P
ports
external monitor 10
HDMI 10
USB 10, 11
power button, identifying 6
power connector, identifying 11
power cord, identifying 14
power light, identifying 5
presentation button light, identifying 5
presentation button, 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 latch, battery 12
RJ-11 (modem) jack, identifying 11
RJ-45 (network) jack, identifying 11

S
scrolling regions, TouchPad 4
security cable slot, identifying 10
serial number, computer 15
service tag 15
slots
expansion memory module 12
ExpressCard 10
Media Card Reader 10
security cable 10

T
TouchPad
buttons 4
identifying 4
scrolling regions 4
traveling with the computer
modem approval label 15
wireless certification labels 16

U
USB ports, identifying 10, 11

V
vents, identifying 10, 12
volume down button, identifying 7
volume down light, identifying 5
volume mute button, identifying 7
volume mute light, identifying 5
volume scroll zone, identifying 7
volume up button, identifying 7
volume up light, identifying 5

W
webcam light, identifying 3
webcam, identifying 3
Windows applications key, identifying 8
Windows logo key, identifying 8
wireless antennae 13
wireless button, identifying 6
wireless certification label 16
wireless light, identifying 5
WLAN device 16
WLAN label 16
WLAN module compartment, identifying 12