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.

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1 Identifying hardware

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

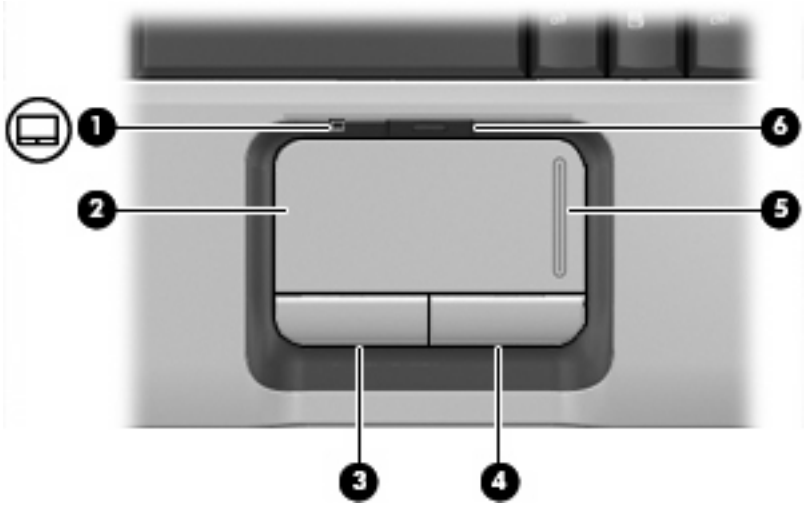
1. Select **Start > Computer > System properties**.
2. In the left pane, click **Device Manager**.

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

2 Components

Top components

TouchPad



Component		Description
(1)	TouchPad light	• Blue: TouchPad is enabled. • Amber: TouchPad is disabled.
(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)	Right TouchPad button*	Functions like the right button on an external mouse.
(5)	TouchPad vertical scroll zone*	Scrolls up or down.
(6)	TouchPad on/off button	Enables/disables the TouchPad.

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

Lights

NOTE: Refer to the illustration that most closely matches your computer.

Component		Description
(1)	Power lights (2)*	• On: The computer is on. • Blinking: The computer is in the Sleep state. • Off: The computer is off or in Hibernation.
(2)	Battery light	• On: A battery is charging. • Blinking: A battery that is the only available power source has reached a low battery level or a critical battery level. • 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.
(3)	Drive light	Blinking: The hard drive or optical drive is being accessed.
(4)	Caps lock light	On: Caps lock is on.
(5)	Media button light	Blinks once: The media button has been pressed.
(6)	DVD button light	Blinks once when the DVD button is pressed.
(7)	Previous/rewind light	Blinks once when the previous/rewind button is pressed.
(8)	Play/pause light	Blinks once when the play/pause button is pressed.
(9)	Next/fast forward light	Blinks once when the next/fast forward button is pressed.
(10)	Stop light	Blinks once when the stop button is pressed.
(11)	Volume mute light	• Blue: Computer sound is turned on. • Amber: Computer sound is turned off.
(12)	Volume down light	Blinking: The volume scroll zone is being used to decrease speaker volume.
(13)	Volume up light	Blinking: The volume scroll zone is being used to increase speaker volume.

Component		Description
(14)	Num lock light	On: Num lock is on or the embedded numeric keypad is enabled.

*The 2 power lights display the same information. The light on the power button is visible only when the computer is open. The power light on the front of the computer is visible whether the computer is open or closed.

Component		Description
(1)	Power lights (2)*	• On: The computer is on. • Blinking: The computer is in the Sleep state. • Off: The computer is off or in Hibernation.
(2)	Battery light	• On: A battery is charging. • Blinking: A battery that is the only available power source has reached a low battery level or a critical battery level. • 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.
(3)	Drive light	Blinking: The hard drive or optical drive is being accessed.
(4)	Caps lock light	On: Caps lock is on.
(5)	Media button light	Blinks once: The media button has been pressed.
(6)	Volume mute light	• Blue: Computer sound is turned on. • Amber: Computer sound is turned 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.

Component		Description
(9)	Num lock light	On: Num lock is on or the embedded numeric keypad is enabled.

*The 2 power lights display the same information. The light on the power button is visible only when the computer is open. The power light on the front of the computer is visible whether the computer is open or closed.

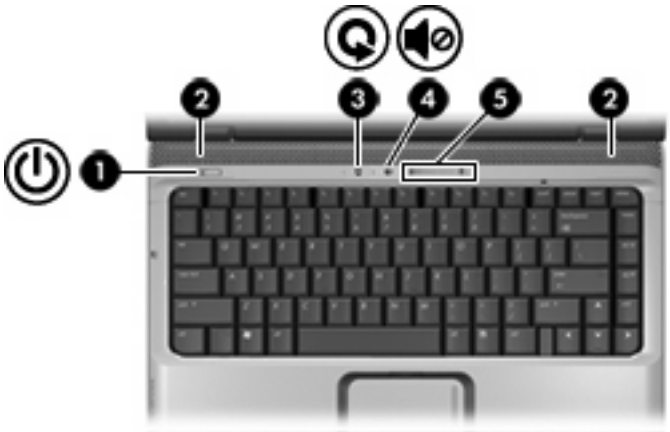
Buttons, speakers, and fingerprint reader

NOTE: Refer to the illustration that most closely matches your computer.

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 initiate Sleep. • 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**.
(2)	Speakers (2)	Produce sound.
(3)	Media button	• Launches the QuickPlay program (for models with QuickPlay preinstalled). • Launches the DVDPlay program (for models with DVDPlay preinstalled).

Component		Description
		NOTE: If the computer has been set up to require a logon password, you may be asked to log on to Windows. QuickPlay or DVDPlay launches after you log on. Refer to the QuickPlay or DVDPlay online Help for more information.
(4)	DVD button	Launches the DVD playback feature of the QuickPlay program. **NOTE:** If the computer has been set up to require a logon password, you may be asked to log on to Windows. QuickPlay launches after you log on. Refer to the QuickPlay online Help for more information.
(5)	Previous/rewind button	• Plays the previous track or chapter when the button is pressed once. • Rewinds media when the button is pressed simultaneously with the fn key.
(6)	Play/pause button	Plays or pauses media.
(7)	Next/fast forward button	• Plays the next track or chapter when the button is pressed once. • Fast forwards media when pressed simultaneously with the fn key.
(8)	Stop button	Stops playback.
(9)	Volume mute button	Mutes and restores speaker sound.
(10)	Volume scroll zone	Adjusts speaker volume. Slide your finger to the left to decrease volume and to the right to increase volume. You can also tap the minus sign on the scroll zone to decrease volume, or tap the plus sign on the scroll zone to increase volume.
(11)	Fingerprint reader	Allows a fingerprint logon to Windows, instead of a password logon.

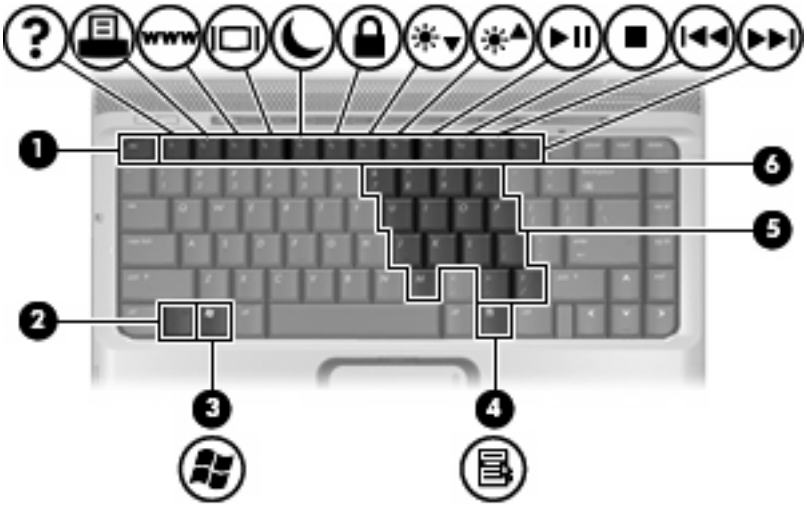
*This table describes factory settings. For information about changing factory settings, refer to the user guides located in Help and Support.



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 initiate Sleep. • 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**.
(2)	Speakers (2)	Produce sound.
(3)	Media button	• Launches the QuickPlay program (for models with QuickPlay preinstalled). • Launches the DVDPlay program (for models with DVDPlay preinstalled). **NOTE:** If the computer has been set up to require a logon password, you may be asked to log on to Windows. QuickPlay or DVDPlay launches after you log on. Refer to the QuickPlay or DVDPlay online Help for more information.
(4)	Volume mute button	Mutes and restores speaker sound.
(5)	Volume scroll zone	Adjusts speaker volume. Slide your finger to the left to decrease volume and to the right to increase volume. You can also tap the minus sign on the scroll zone to decrease volume, or tap the plus sign on the scroll zone to increase volume.

*This table describes factory settings. For information about changing factory settings, refer to the user guides located in Help and Support.

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.

Hotkey quick reference

Function	Hotkey
Display system information.	fn+esc
Open Help and Support.	fn+f1
Open the Print Options window.	fn+f2
Open a Web browser.	fn+f3
Alternate between computer display and external display.	fn+f4
Initiate Hibernation.	fn+f5
Initiate QuickLock.	fn+f6
Decrease screen brightness.	fn+f7
Increase screen brightness.	fn+f8
Play, pause, or resume an audio CD or a DVD.	fn+f9

Function	Hotkey
Stop an audio CD or a DVD.	fn+f10
Play the previous track or section on an audio CD or a DVD.	fn+f11
Play the next track on an audio CD or a DVD.	fn+f12

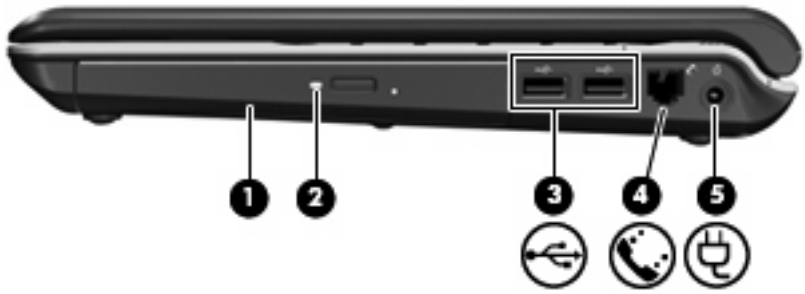
Front components

Component		Description
(1)	Wireless switch	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.
(2)	Wireless light	• Blue: An integrated wireless device, such as a wireless local area network (LAN) device and/or a Bluetooth® device, is turned on. • Amber: An integrated wireless device is turned off.
(3)	Consumer infrared lens	Receives a signal from the HP Remote Control (select models only).
(4)	Audio-in (microphone) jack	Connects an optional computer headset microphone, stereo array microphone, or monaural microphone.
(5)	Audio-out (headphone) jacks (2)	Produce sound when connected to optional powered stereo speakers, headphones, ear buds, a headset, or television audio.

Rear components

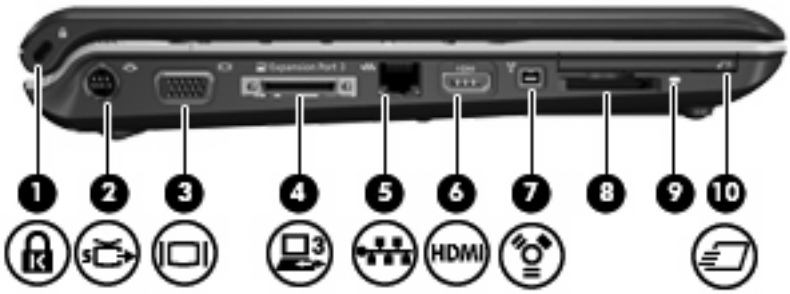
Component	Description
Vent	Enables airflow to cool internal components. **CAUTION:** To prevent overheating, do not obstruct vents. Use the computer only on a hard, flat surface. Do not allow another hard surface, such as an adjoining optional printer, or a soft surface, such as pillows or thick rugs or clothing, to block airflow. **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.

Right-side components



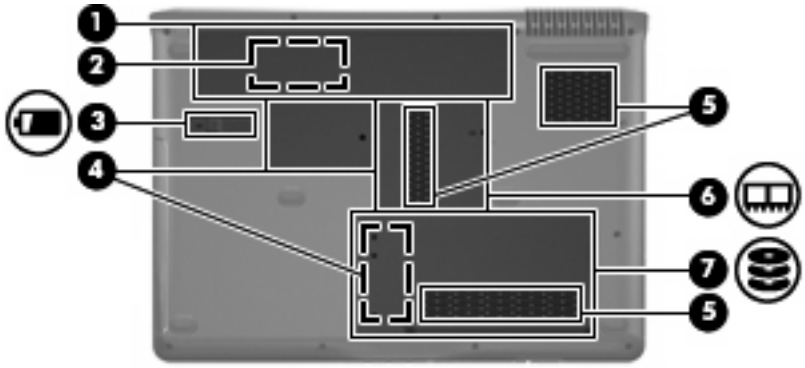
Component		Description
(1)	Optical drive	Reads optical discs and, on select models, also writes to optical discs.
(2)	Optical drive light	Blinking: The optical drive is being accessed.
(3)	USB ports (2)	Connects an optional USB device.
(4)	RJ-11 (modem) jack	Connects a modem cable.
(5)	Power connector	Connects an AC adapter.

Left-side components



Component		Description
(1)	Security cable slot	Attaches an optional security cable to the computer. **NOTE:** The security cable is designed to act as a deterrent, but may not prevent the computer from being mishandled or stolen.
(2)	S-Video-out jack	Connects an optional S-Video device such as a television, VCR, camcorder, overhead projector, or video capture card.
(3)	External monitor port	Connects an external VGA monitor or projector.
(4)	Expansion port 3	Connects the computer to an optional expansion product. **NOTE:** The computer has only one expansion port. The term *expansion port 3* describes the type of expansion port.
(5)	RJ-45 (network) jack	Connects a network cable.
(6)	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. **NOTE:** Depending on your computer model, the computer may include an HDMI port or a USB port.
(7)	1394 port	Connects an optional IEEE 1394 or 1394a device, such as a camcorder.
(8)	Digital Media Slot	Supports the following optional digital card formats: Secure Digital (SD) Memory Card, MultiMediaCard (MMC), Memory Stick (MS), Memory Stick Pro (MSP), xD-Picture Card (XD).
(9)	Digital Media Slot light	On: A digital card is being accessed.
(10)	ExpressCard slot	Supports optional ExpressCard/54 cards.

Bottom components

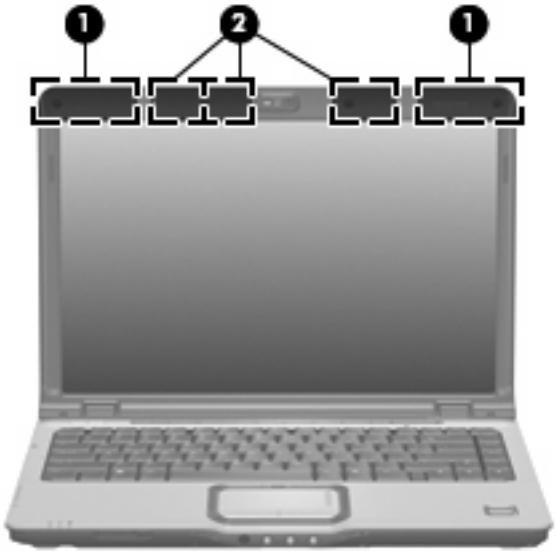


Component		Description
(1)	Battery bay	Holds the battery.
(2)	SIM slot (select models only)	Contains a subscriber identity module (SIM). The SIM slot is located inside the battery bay.
(3)	Battery release latch	Releases the battery from the battery bay.
(4)	Mini Card compartments (2) (select models only)	Hold a wireless LAN device (select models only) or a wireless WAN device (select models only). **CAUTION:** WLAN Mini Cards and WWAN Mini Cards are not interchangeable. **NOTE:** Depending on your computer model, the computer may have 1 or 2 Mini Card compartments. **NOTE:** To prevent an unresponsive system and the display of a warning message, replace with only a Mini Card device authorized for use in the computer by the governmental agency that regulates wireless devices in your country. If you replace the device and then receive a warning message, remove the device to restore computer functionality. Then contact technical support by selecting **Start > Help and Support > Contact support**.
(5)	Vents (3)	Enable airflow to cool internal components. **CAUTION:** To prevent overheating, do not obstruct 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 thick rugs or clothing, to block airflow. **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.
(6)	Memory module compartment	Contains the memory module slots.
(7)	Hard drive bay	Holds the hard drive.

Display components

Component		Description
(1)	Internal microphones (2)	Record sound. **NOTE:** If there is a microphone icon next to each microphone opening, your computer has internal microphones.
(2)	Integrated camera light (select models only)	On: The integrated camera is in use.
(3)	Integrated camera (select models only)	Records video and captures still photographs.
(4)	Internal display switch	Turns off the display if the display is closed while the computer is turned on.

Wireless antennae (select models only)



Component		Description
(1)	WWAN antennae (2) (select models only)*	Send and receive wireless signals to communicate with wireless wide-area networks (WWAN).
(2)	WLAN antennae (2 or 3) (select models only)*	Send and receive wireless signals to communicate with wireless local area networks (WLAN).

*The antennae are not visible from the outside of the computer. For optimal transmission, keep the areas immediately around the antennae free from obstructions.

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 the product brand and series name, serial number (s/n), and product number (p/n) of your 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 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.
- 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 Broadband Wireless Module serial number label (select models only)—Provides the serial number of your HP Broadband Wireless Module. This label is located inside the battery bay.

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