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).

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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

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

Component		Description
(1)	Webcam light (select models only)	On: The webcam is in use.
(2)	Webcam (select models only)	Records video and captures still photographs.
(3)	Speaker	Produces sound.
(4)	Audio-out (headphone) jack	Produces sound when connected to optional powered stereo speakers, headphones, ear buds, a headset, or television audio. **NOTE:** When a device is connected to the headphone jack, the computer speakers are disabled.
(5)	Internal microphone	Records sound.
(6)	Audio-in (microphone) jack	Connects an optional computer headset microphone, stereo array microphone, or monaural microphone.

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(1)	Webcam light (select models only)	On: The webcam is in use.
(2)	Webcam (select models only)	Records video and captures still photographs.
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(4)	Audio-out (headphone) jack	Produces sound when connected to optional powered stereo speakers, headphones, ear buds, a headset, or television audio. **NOTE:** When a device is connected to the headphone jack, the computer speakers are disabled.
(5)	Internal microphone	Records sound.
(6)	Audio-in (microphone) jack	Connects an optional computer headset microphone, stereo array microphone, or monaural microphone.

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)	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 > Printers and Other Hardware > 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 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 Standby. • Off: The computer is off or in Hibernation.

Buttons, switch, and speaker

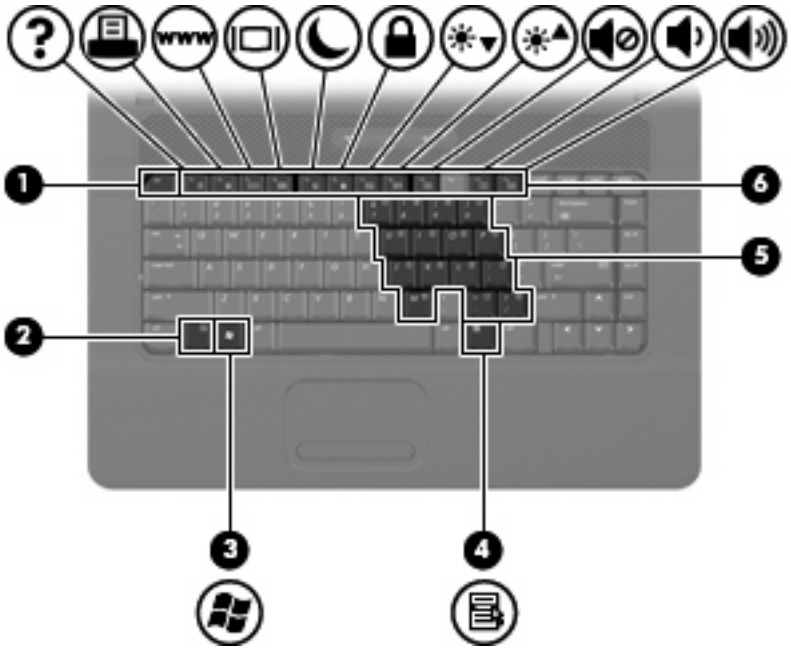
NOTE: Refer to the illustration that most closely matches your computer.

Component		Description
(1)	Internal display switch	Turns off the display if the panel lid is closed while the power is on.
(2)	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.
(3)	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**.
(4)	Speaker	Produces sound.

Component		Description
(1)	Internal display switch	Turns off the display if the panel lid is closed while the power is on.
(2)	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.
(3)	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. To learn more about your power settings, select **Start > Control Panel > Performance and Maintenance > Power Options**.
(4)	Speaker	Produces sound.

Keys

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



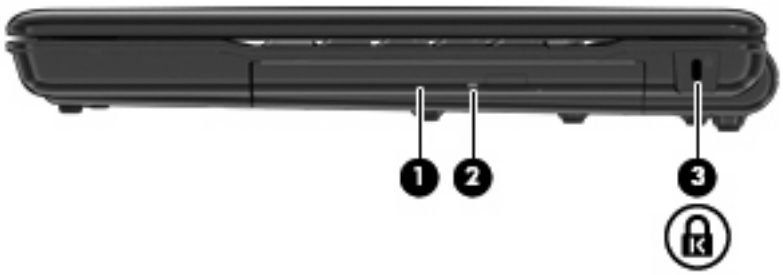
Component		Description
(1)	esc key	Displays system information when pressed in combination with the fn key.
(2)	fn key	Executes frequently used system functions when pressed in combination with a function key or the esc key.
(3)	Windows logo key	Displays the Windows Start menu.
(4)	Windows applications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

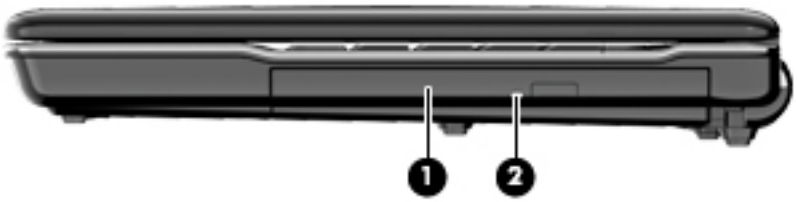
Component		Description
(1)	Audio-out (headphone) jack	Produces sound when connected to optional powered stereo speakers, headphones, ear buds, a headset, or television audio. **NOTE:** When a device is connected to the headphone jack, the computer speakers are disabled.
(2)	Internal microphone	Records sound.
(3)	Audio-in (microphone) jack	Connects an optional computer headset microphone, stereo array microphone, or monaural microphone.
(4)	SD Card Reader	Supports the following optional digital card formats: • MultiMediaCard (MMC) • MultiMediaCard 4.2 (MMC Plus, including MMC Plus HC) • Secure Digital (SD) Memory Card • Secure Digital High Capacity (SDHC) Memory Card • Secure Digital High Speed (SDHS) Memory Card

Right-side components

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



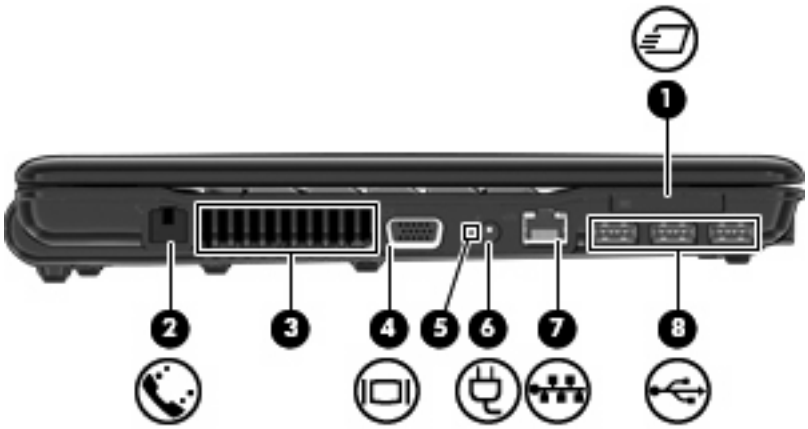
Component		Description
(1)	Optical drive	Reads optical discs and, on select models, also writes to optical discs.
(2)	Optical drive light	Blinking: The optical drive is being accessed.
(3)	Security cable slot	Attaches an optional security cable to the computer. **NOTE:** The security cable is designed to act as a deterrent, but it may not prevent the computer from being mishandled or stolen.



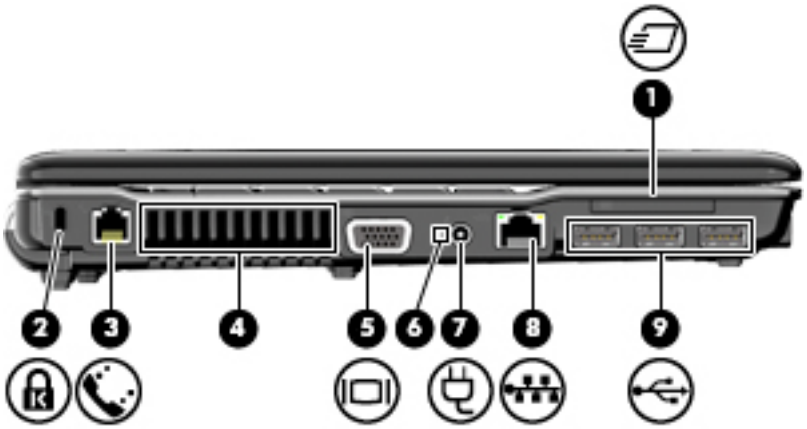
Component		Description
(1)	Optical drive	Reads optical discs and, on select models, also writes to optical discs.
(2)	Optical drive light	Blinking: The optical drive is being accessed.

Left-side components

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



Component		Description
(1)	ExpressCard slot	Supports optional ExpressCards.
(2)	RJ-11 (modem) jack (select models only)	Connects a modem cable.
(3)	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.
(4)	External monitor port	Connects an external VGA monitor or projector.
(5)	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.
(6)	Power connector	Connects an AC adapter.
(7)	RJ-45 (network) jack	Connects a network cable.
(8)	USB ports (3)	Connect optional USB devices.



Component		Description
(1)	ExpressCard slot	Supports optional ExpressCards.
(2)	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.
(3)	RJ-11 (modem) jack (select models only)	Connects a modem cable.
(4)	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.
(5)	External monitor port	Connects an external VGA monitor or projector.
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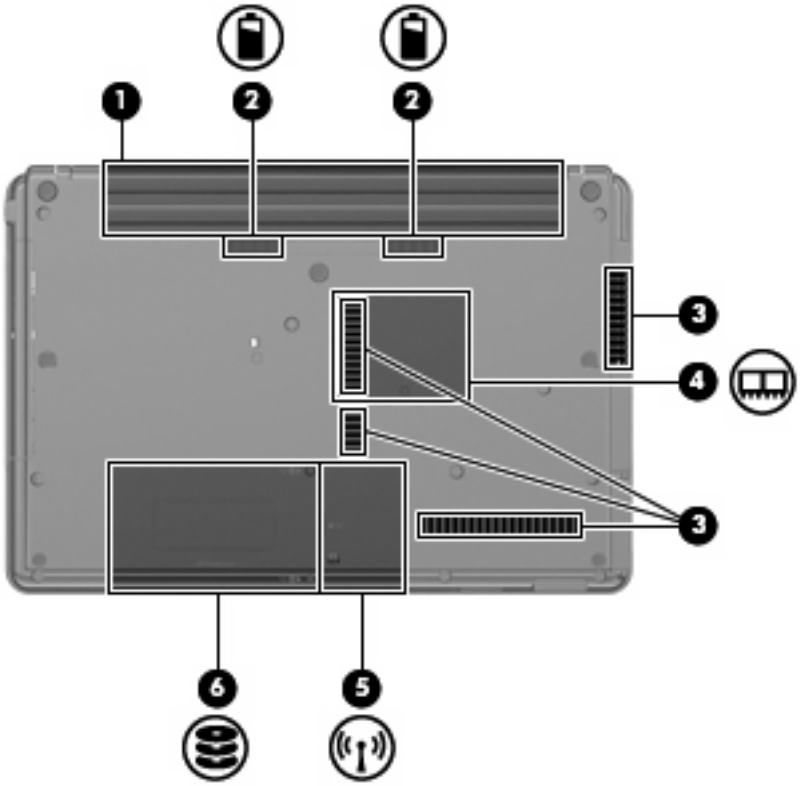
(7)	Power connector	Connects an AC adapter.
(8)	RJ-45 (network) jack	Connects a network cable.
(9)	USB ports (3)	Connect optional USB devices.

Bottom components



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:** 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 the memory module slots.
(5)	WLAN module compartment	Contains the wireless LAN module slot. **CAUTION:** To prevent an unresponsive system and the display of a warning message, replace the WLAN module with only a module authorized for use in the computer by the governmental agency that regulates wireless devices in your country. 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.
(6)	Hard drive bay	Holds the hard drive and a Bluetooth device.

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.
(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.

*Modem cables, batteries, modem cable adapters, 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 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 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 alphanumeric identifier you use to locate documents, drivers, and support for your notebook.
  - 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 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 or regions 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 memory module compartment.
- 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 memory module 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.

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