

# 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

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- ⚠ **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:

- ▲ 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 software, running utilities, or changing Windows settings. Refer to Help and Support for more information.

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## 2 Components

### Top components

#### TouchPad

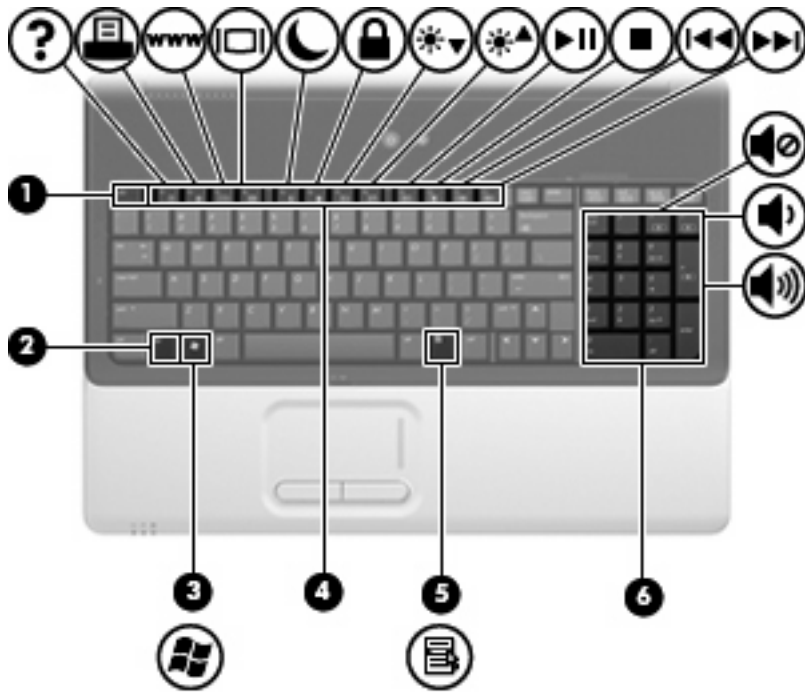


Component	Description
(1) TouchPad light	<ul style="list-style-type: none"><li>• White: TouchPad is enabled.</li><li>• Amber: TouchPad is disabled.</li></ul>
(2) TouchPad*	Moves the pointer and selects or activates items on the screen.
(3) Left TouchPad button*	Functions like the left button on an external 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 TouchPad preferences, select **Start > Devices and Printers**. Then, right-click the device representing your computer, and select **Mouse settings**.



## Keys



Component	Description
(1) <a href="#">esc</a> key	Displays system information about your computer when pressed in combination with the <a href="#">fn</a> key.
(2) <a href="#">fn</a> key	Executes frequently used system functions when pressed in combination with a function key or the <a href="#">esc</a> key.
(3) Windows logo key	Displays the Windows Start menu.
(4) Function keys	Execute frequently used system functions when pressed in combination with the <a href="#">fn</a> key.
(5) Windows applications key	Displays a shortcut menu for items beneath the pointer.
(6) Integrated numeric keypad and volume keys	Can be used like the keys on an external numeric keypad.  Adjusts system volume when pressed in combination with the <a href="#">fn</a> key.

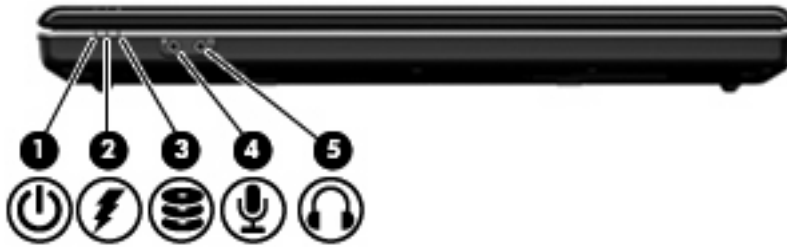
## Buttons and speakers



Component	Description
(1) Speakers (2)	Produce sound.
(2) Power button*	<ul style="list-style-type: none"><li>• When the computer is off, press the button briefly to turn on the computer.</li><li>• When the computer is on, press the button briefly to initiate Sleep.</li><li>• When the computer is in the Sleep state, press the button briefly to exit Sleep.</li><li>• When the computer is in Hibernation, press the button briefly to exit Hibernation.</li></ul> <p>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.</p> <p>To learn more about your power settings, select <b>Start &gt; Control Panel &gt; System and Security &gt; Power Options</b>.</p>
(3) Wireless button	<p>Turns the wireless feature on or off, but does not create a wireless connection.</p> <p><b>NOTE:</b> A wireless network must be set up in order to establish a wireless connection.</p>

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

# Front components



Component	Description
(1) Power light	<ul style="list-style-type: none"><li>On: The computer is on.</li><li>Blinking: The computer is in the Sleep state.</li><li>Off: The computer is off or in Hibernation.</li></ul>
(2) Battery light	<ul style="list-style-type: none"><li>On: A battery is charging.</li><li>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.</li><li>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.</li></ul>
(3) Drive light	Blinking: The hard drive or optical drive is being accessed.
(4) Audio-in (microphone) jack	Connects an optional computer headset microphone, stereo array microphone, or monaural microphone.
(5) Audio-out (headphone) jack	Produce sound when connected to optional powered stereo speakers, headphones, ear buds, a headset, or television audio.

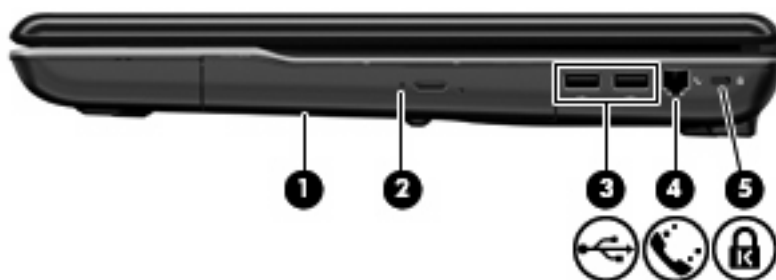
**NOTE:** This table describes factory settings. For information about changing factory settings, refer to the user guides located in Help and Support.

## Rear components



Component	Description
Vents (2)	<p>Enables airflow to cool internal components.</p> <p><b>NOTE:</b> 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.</p>

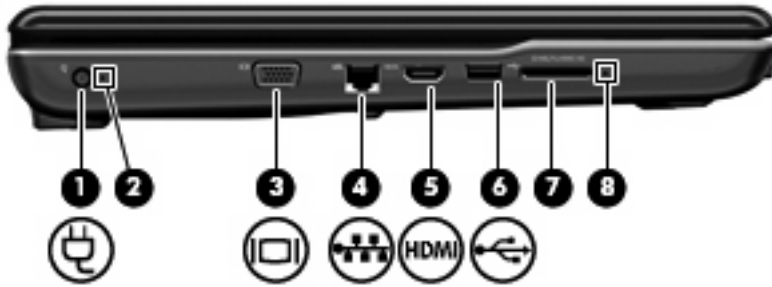
## Right-side components



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)	Connect optional USB devices.
(4) RJ-11 (modem) jack (select models only)	Connects a modem cable.
(5) Security cable slot	Attaches an optional security cable to the computer.

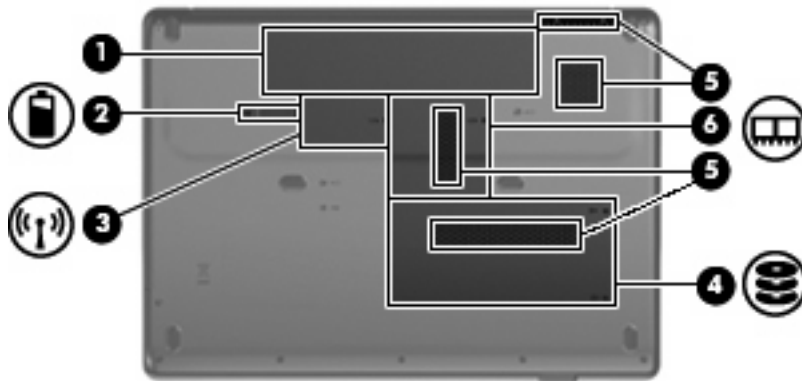
**NOTE:** The security cable is designed to act as a deterrent, but it may not prevent the computer from being mishandled or stolen.

## Left-side components



Component	Description
(1) Power connector	Connects an AC adapter.
(2) AC adapter light	<ul style="list-style-type: none"> <li>On: The computer is connected to external power.</li> <li>Off: The computer is not connected to external power.</li> </ul>
(3) External monitor port	Connects an external VGA monitor or projector.
(4) RJ-45 (network) jack	Connects a network cable.
(5) 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.
(6) USB port	Connect optional USB device.
(7) Digital Media Slot (select models only)	Supports the following optional digital card formats: <ul style="list-style-type: none"> <li>Memory Stick (MS)</li> <li>Memory Stick Pro (MSP)</li> <li>MultiMediaCard (MMC)</li> <li>Secure Digital (SD) Memory Card</li> <li>xD-Picture Card (XD)</li> <li>xD-Picture Card (XD) Type H</li> <li>xD-Picture Card (XD) Type M</li> </ul>
(8) Digital Media Slot light (select models only)	On: The Digital Media Slot is in use.

## Bottom components



Component	Description
(1) Battery bay	Holds the battery.
(2) Battery release latch	Releases the battery from the battery bay.
(3) WLAN module compartment	Holds the WLAN module.  <b>CAUTION:</b> 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) Hard drive bay	Holds the hard drive.
(5) Vents (4)	Enable airflow to cool internal components.  <b>NOTE:</b> 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.

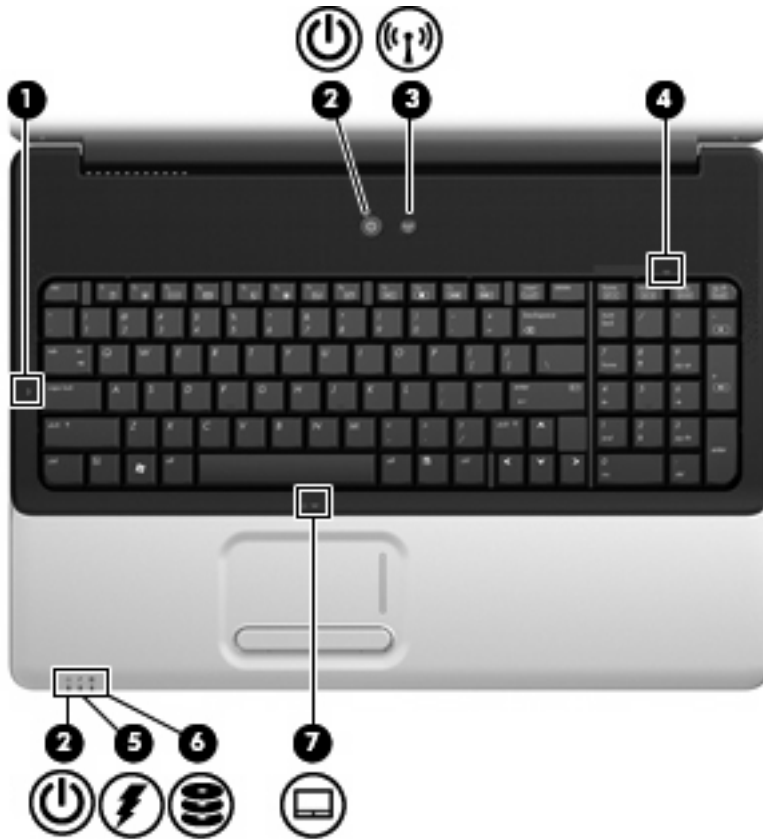
## Display components



Component	Description
(1) Internal display switch	Turns off the display and initiates Sleep if the display is closed while the power is on.
(2) Integrated webcam light (select models only)	On: The integrated webcam is in use.
(3) Integrated webcam (select models only)	Records audio and video and captures still photographs.
(4) Internal microphone	Records sound.



# Lights



Component	Description
(1) Caps lock light	On: Caps lock is on.
(2) Power lights* (2)	<ul style="list-style-type: none"> <li>On: The computer is on.</li> <li>Blinking: The computer is in the Sleep state.</li> <li>Off: The computer is off or in Hibernation.</li> </ul>
(3) Wireless light	<ul style="list-style-type: none"> <li>Blue: An integrated wireless device, such as a wireless local area network (WLAN) device and/or a Bluetooth® device, is turned on.</li> <li>Amber: All wireless devices are turned off.</li> </ul>
(4) Num lock light	On: Num lock is on or the integrated numeric keypad is enabled.
(5) Battery light	<ul style="list-style-type: none"> <li>On: A battery is charging.</li> <li>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.</li> <li>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.</li> </ul>

Component	Description
(6) Drive light	Blinking: The hard drive or optical drive is being accessed.
(7) TouchPad light	White: TouchPad 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.

## Cleaning the display

To remove smudges and lint, frequently clean the display with a soft, damp, lint-free cloth. If the screen requires additional cleaning, use premoistened antistatic wipes or an antistatic screen cleaner.


△ **CAUTION:** To prevent permanent damage to the computer, never spray water, cleaning fluids, or chemicals on the display.

## 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.



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

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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.

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## 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 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 hard drive and WLAN module door.
- **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 hard drive and WLAN module door.
- **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.

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