

Notebook Tour

User Guide

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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, 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.

 **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.

2 Components

Product notice

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

Top components

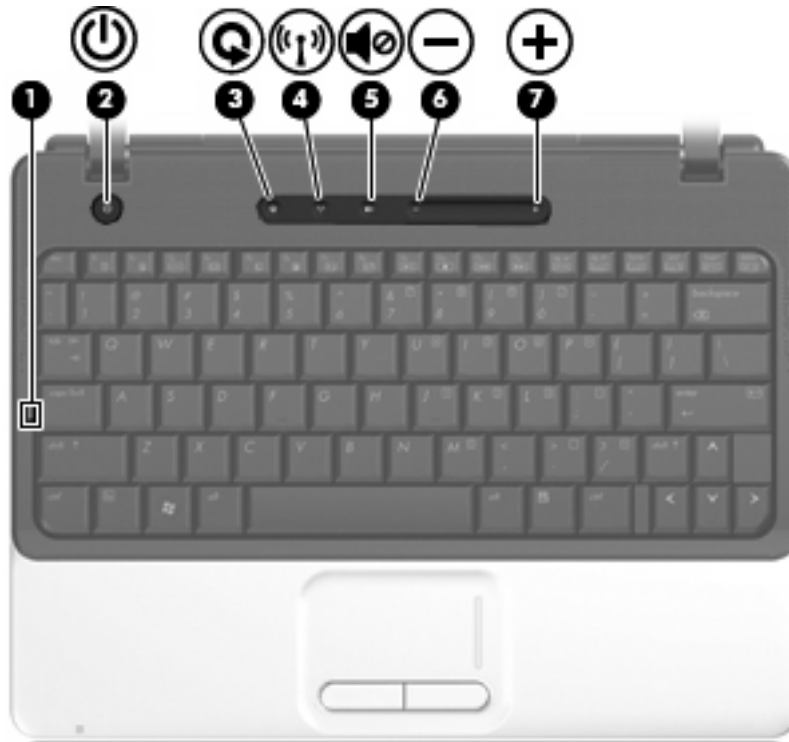
TouchPad



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 TouchPad preferences, select **Start > Control Panel > Hardware and Sound > Mouse**.

Lights



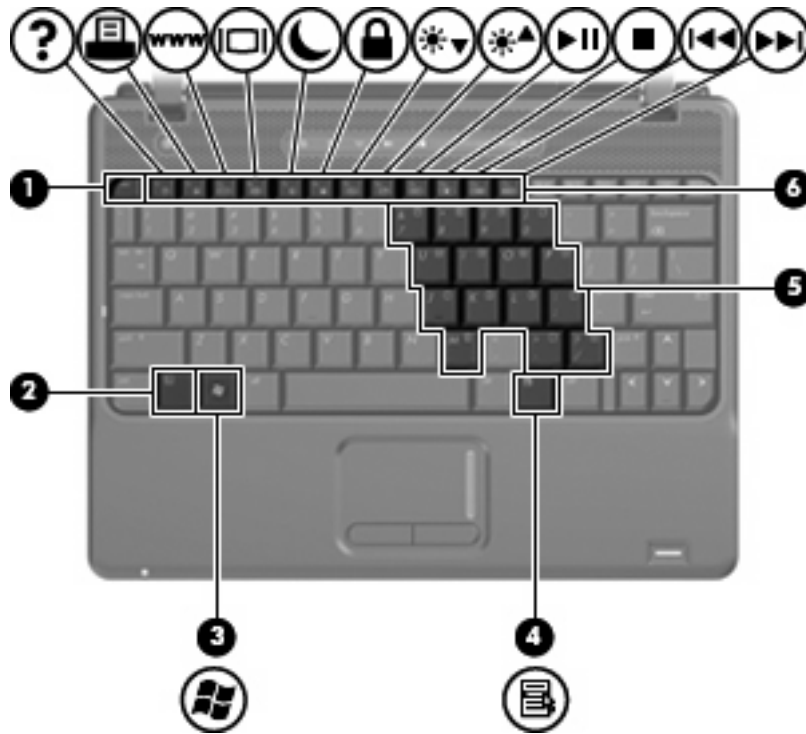
Component	Description
(1) Caps lock light	On: Caps lock is on.
(2) Power light	<ul style="list-style-type: none">On: The computer is on.Blinking: The computer is in the Sleep state.Blinking rapidly: An AC adapter with a higher power rating should be connected.Off: The computer is off or in Hibernation.
(3) QuickPlay light	On: The QuickPlay program is launched.
(4) Wireless light	<ul style="list-style-type: none">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.
(5) Volume mute light	<ul style="list-style-type: none">Off: Computer sound is on.On: Computer sound is off.
(6) Volume down light	Blinking: The volume scroll zone is being used to decrease speaker volume.
(7) Volume up light	Blinking: The volume scroll zone is being used to increase speaker volume.

Buttons



Component	Description
(1) Power button	<ul style="list-style-type: none">• 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 system.• When the computer is in Hibernation, press the button briefly to exit Hibernation.• When the computer is in the Sleep state, press the button briefly to exit Sleep. <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 Start > Control Panel > System and Maintenance > Power Options.</p>
(2) Media button	Launches the QuickPlay program.
(3) 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.
(4) Volume mute button	Mutes and restores speaker sound.
(5) Volume down button	Decreases speaker sound.
(6) Volume up button	Increases speaker sound.

Keys



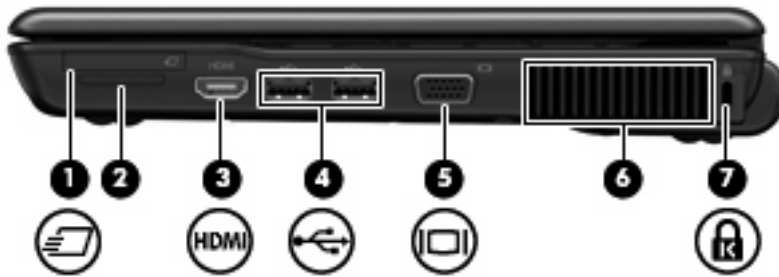
Component	Description
(1) <code>esc</code> key	Displays system information about your computer when pressed in combination with the <code>fn</code> key.
(2) <code>fn</code> key	Executes frequently used system functions when pressed in combination with a function key or the <code>esc</code> key.
(3) Windows 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 <code>fn</code> key.

Front components



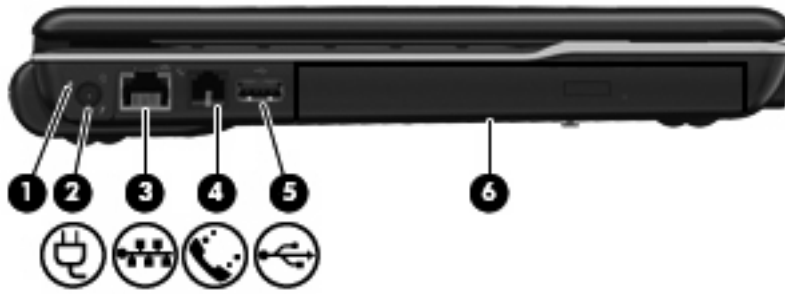
Component	Description
(1) Drive light	<ul style="list-style-type: none">Blinking green: The hard drive or optical drive is being accessed.Amber (select models only): HP 3D DriveGuard has temporarily parked the hard drive.
(2) Audio-in (microphone) jack	Connects an optional computer headset microphone, 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



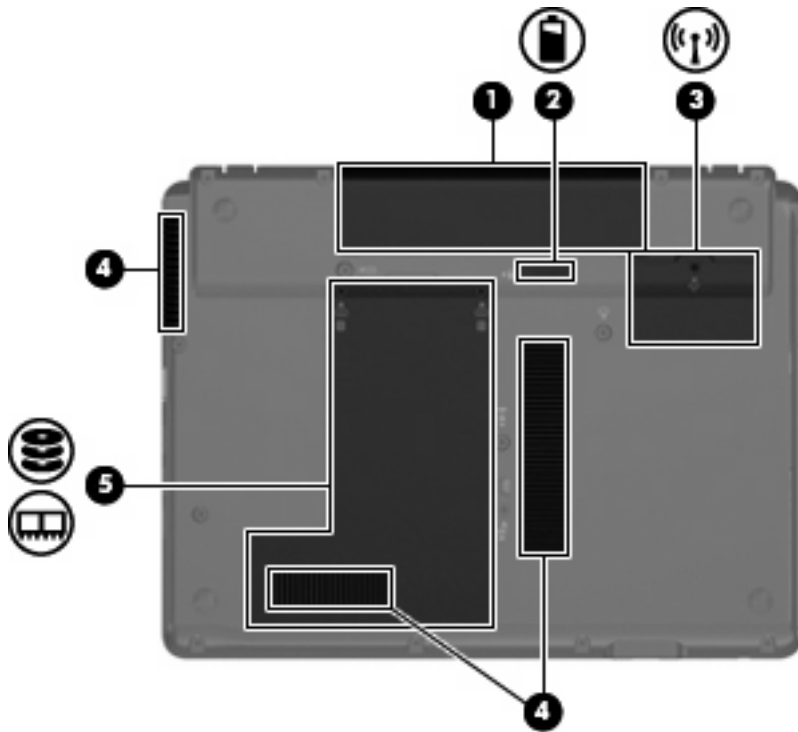
Component	Description
(1) ExpressCard slot	Supports optional ExpressCards.
(2) Digital Media Slot (select models only)	Supports the following optional digital card formats: <ul style="list-style-type: none">• MultiMediaCard• MultiMedia Card Plus• Secure Digital Memory Card• Secure Digital High Capacity 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	<ul style="list-style-type: none">• 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	Holds a WLAN module (select models only). 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 (2)	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 bay drive	Contains the hard drive and the memory module slot.

Display components




Component	Description
(1) Internal microphones (2) (select models only)	Record sound. NOTE: All models have at least one internal microphone.
(2) Webcam light (select models only)	On: The webcam is in use.
(3) Webcam (select models only)	Records audio and video and captures still photographs.

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 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 WLAN module compartment.

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