# 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:

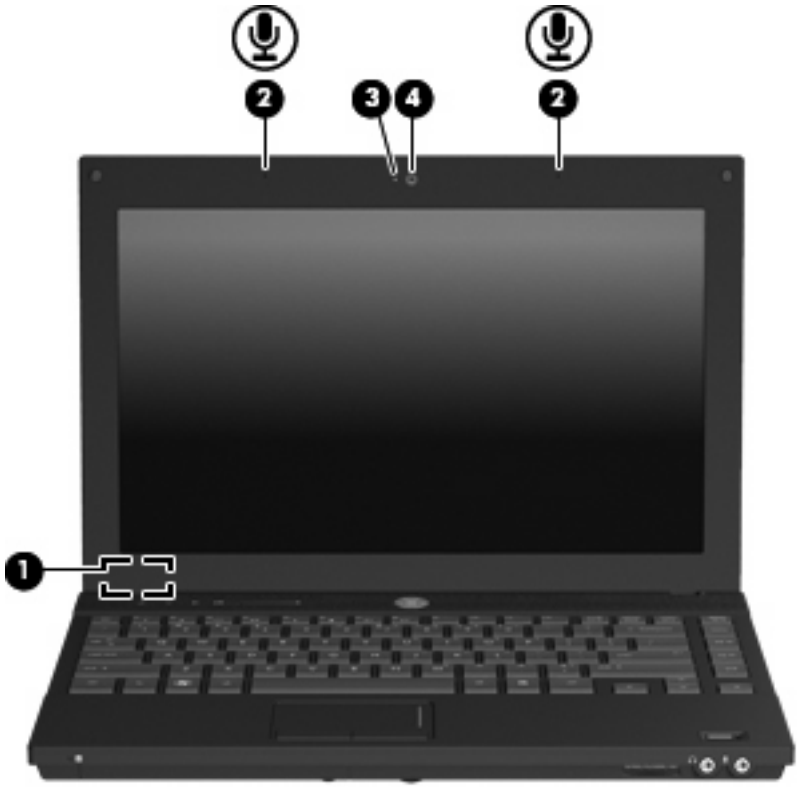
1. Select **Start > My Computer**.
2. In the left pane of the System Tasks window, select **View system information**.
3. Select **Hardware** tab **> Device Manager**.

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

# 2 Components

# Display

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




| Component | | Description |
|---|---|---|
| **(1)** | Internal display switch | Turns off the display if the display is closed while the power is on. |
| **(2)** | Internal microphones (2) | Record sound. |
| **(3)** | Webcam light (select models only) | On: The webcam is in use. |
| **(4)** | Webcam (select models only) | Records audio and video and captures still photographs. |

# 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. |

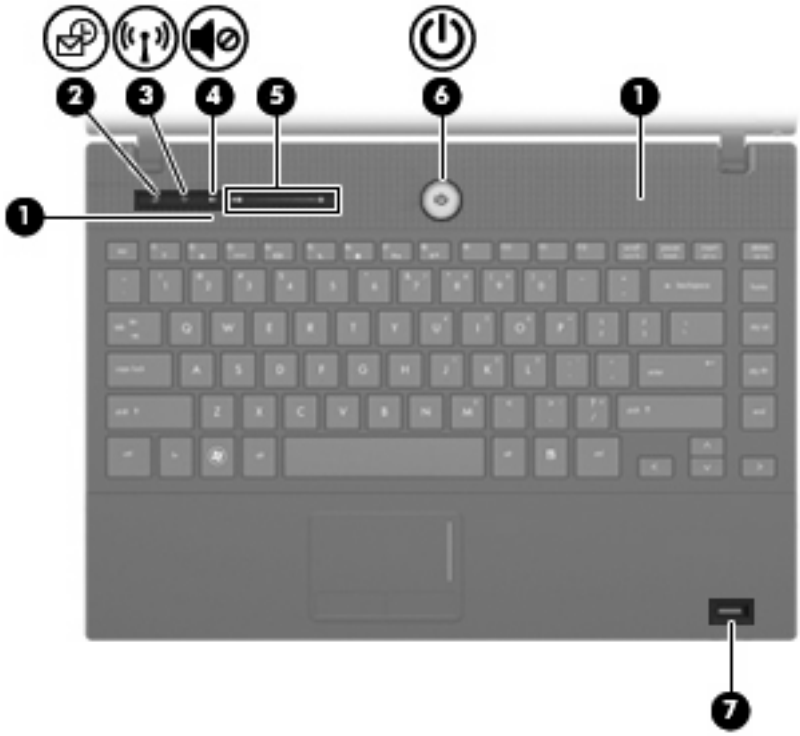
*This table describes factory settings. To view or change pointing device preferences, select **Start > Control Panel > Printers and Other Hardware > Mouse**.

## Lights

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

| Component | | Description |
|---|---|---|
| **(1)** | Caps lock light | On: Caps lock is on. |
| **(2)** | Info Center/QuickLook light | • On: The computer is on.<br>• Blinking (5 times):<br>◦ When the computer is on, press the button to launch Info Center.<br>◦ When the computer is off or in Hibernation, press the button to launch QuickLook.<br>• Off: The computer is off or in Standby or Hibernation. |
| **(3)** | Wireless light | • Blue: An integrated wireless device, such as a wireless local area network (WLAN) device and/or a Bluetooth® device, is on.<br>• Amber: All wireless devices are off. |
| **(4)** | Volume mute light | • Turquoise: Computer sound is on.<br>• Amber: Computer sound is off. |
| **(5)** | Volume down light | Blinking: The volume scroll zone is being used to decrease speaker volume. |
| **(6)** | Volume up light | Blinking: The volume scroll zone is being used to increase speaker volume. |
| **(7)** | Power light | • On: The computer is on.<br>• Blinking: The computer is in Standby.<br>• Off: The computer is off or in Hibernation. |

# Buttons and fingerprint reader

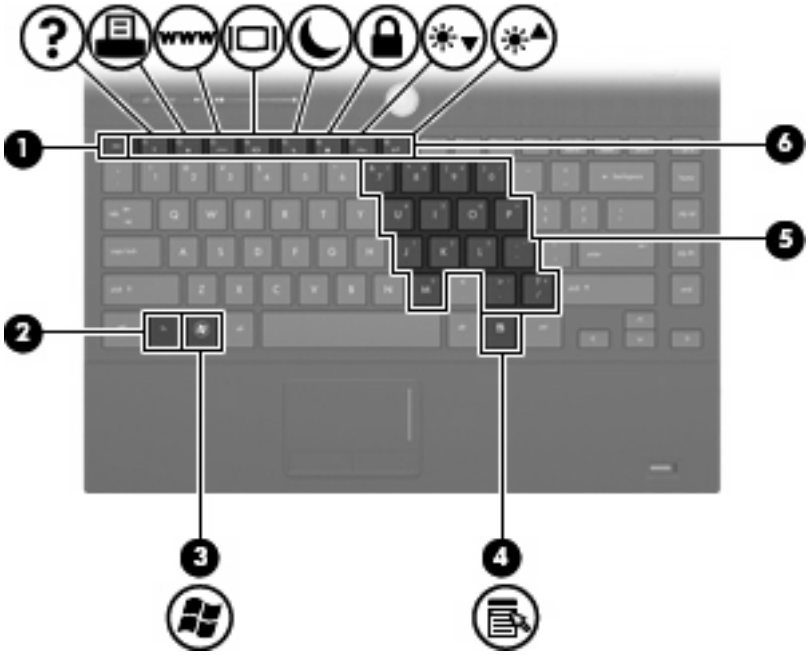



| Component | | Description |
|---|---|---|
| **(1)** | Speakers (2) | Produce sound. |
| **(2)** | Info Center/QuickLook button | Launches Info Center or QuickLook. |
| **(3)** | Wireless button | Turns the wireless feature on or off but does not establish a wireless connection.<br><br>**NOTE:** You must set up or access a wireless network to establish a wireless connection. |
| **(4)** | Volume mute button | Mutes and restores speaker sound. |
| **(5)** | Volume scroll zone | Adjusts speaker volume. Slide your finger to the left to decrease volume and to the right to increase volume. You can also press the left side of the volume slider to decrease volume, or press the right side of the volume slider to increase volume. |
| **(6)** | Power button | • When the computer is off, press the button to turn on the computer.<br>• When the computer is on, press the button to shut down the computer.<br>• When the computer is in Standby, press the button briefly to exit Standby.<br>• When the computer is in Hibernation, press the button briefly to exit Hibernation.<br><br>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. |

| Component | | Description |
|---|---|---|
| | | To learn more about your power settings, select **Start > Control Panel > Performance and Maintenance > Power Options**. |
| **(7)** | Fingerprint reader (select models only) | 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.

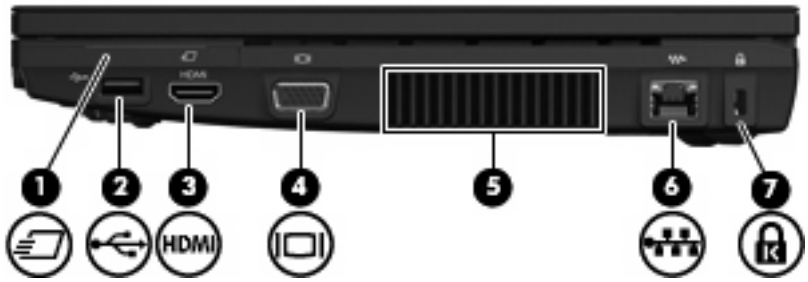



| Component | | Description |
|---|---|---|
| **(1)** | esc key | Displays system information when pressed in combination with the fn key. |
| **(2)** | fn key | Executes frequently used system functions when pressed in combination with a function key or the esc key. |
| **(3)** | Windows logo key |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

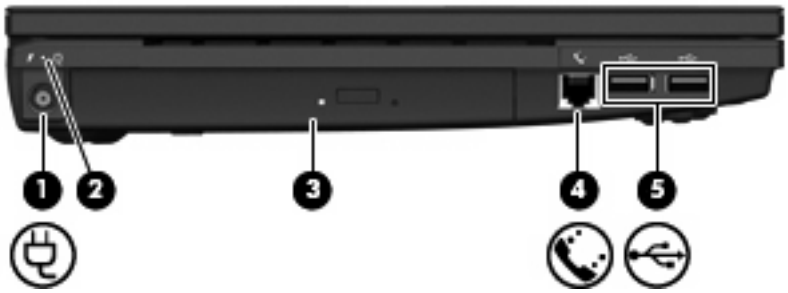
| Component | | Description |
|---|---|---|
| **(1)** | Drive light | • Blinking turquoise: The hard drive or optical drive is being accessed.<br>• Amber: HP 3D DriveGuard has temporarily parked the hard drive. |
| **(2)** | SD Card Reader | Supports the following optional digital card formats:<br>• MultiMediaCard<br>• MultiMediaCard Plus<br>• Secure Digital Memory Card<br>• Secure Digital High Capacity Memory Card |
| **(3)** | Audio-out (headphone) jack | Produces sound when connected to optional powered stereo speakers, headphones, ear buds, a headset, or television audio.<br>**NOTE:** When a device is connected to the headphone jack, the computer speakers are disabled. |
| **(4)** | Audio-in (microphone) jack | Connects an optional computer headset microphone, stereo array microphone, or monaural microphone. |

# Right-side components



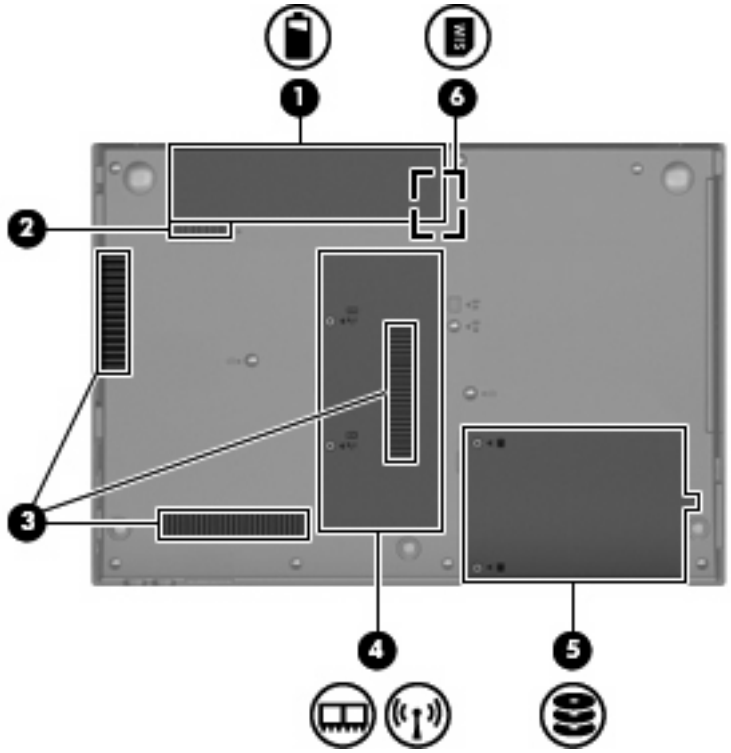

| Component | | Description |
|---|---|---|
| **(1)** | ExpressCard slot | Supports optional ExpressCards. |
| **(2)** | USB port | Connects an optional USB device. |
| **(3)** | HDMI port | Connects an optional HDMI device. |
| **(4)** | External monitor port | Connects an external VGA monitor or projector. |
| **(5)** | Vent | Enables airflow to cool internal components.<br><br>**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)** | RJ-45 (network) jack | Connects a network cable. |
| **(7)** | Security cable slot | Attaches an optional security cable to the computer.<br><br>**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



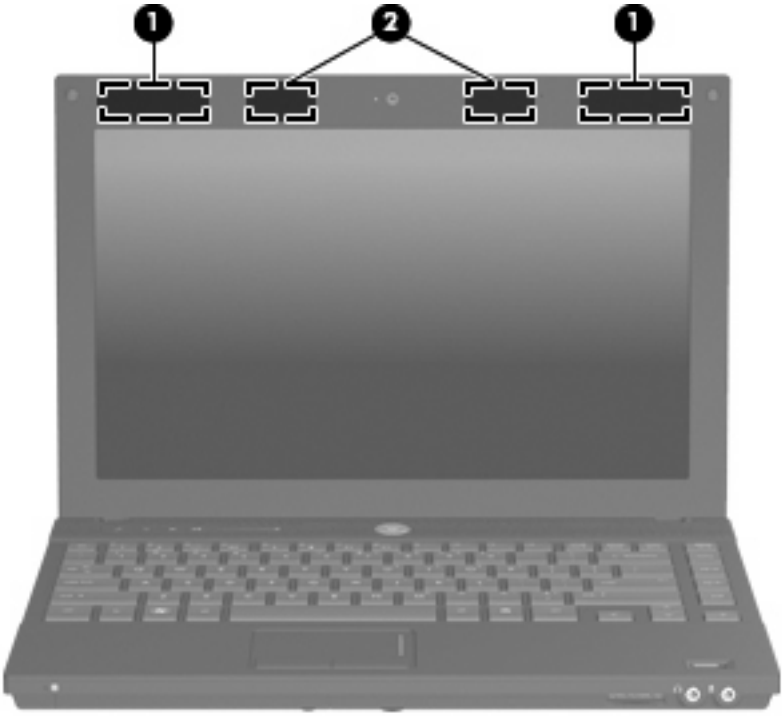

| Component | | Description |
|---|---|---|
| **(1)** | Power connector | Connects an AC adapter. |
| **(2)** | Battery light | • Amber: A battery is charging.<br>• Turquoise: A battery is close to full charge capacity.<br>• Blinking amber: A battery that is the only available power source has reached a low battery level. When the battery reaches a critical battery level, the battery light begins blinking rapidly.<br>• 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. |
| **(3)** | Optical drive (select models only) | Reads optical discs and, on select models, also writes to optical discs. |
| **(4)** | RJ-11 (modem) jack (select models only) | Connects a modem cable. |
| **(5)** | USB ports (2) | Connect optional USB devices. |

# Bottom components




| Component | | Description |
|---|---|---|
| **(1)** | Battery bay | Holds the battery. |
| **(2)** | Battery release latch | Releases the battery from the battery bay. |
| **(3)** | Vents (3) | Enable airflow to cool internal components.<br><br>**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 and a wireless LAN module slot.<br><br>**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. |
| **(5)** | Hard drive bay | Holds the hard drive and a Bluetooth device. |
| **(6)** | SIM slot (select models only) | Contains a wireless subscriber identity module (SIM). The SIM slot is located inside the battery bay. |

# Wireless antennas (select models only)




| Component | | Description |
|---|---|---|
| **(1)** | WWAN antennas (2)* | Send and receive wireless signals to communicate with wireless wide-area networks (WWAN). |
| **(2)** | WLAN antennas (2)* | Send and receive wireless signals to communicate with wireless local area networks (WLAN). |

*The antennas are not visible from the outside of the computer. 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. |

*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 identifier 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 (in years) 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. This label is located inside the memory module compartment.

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