

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:

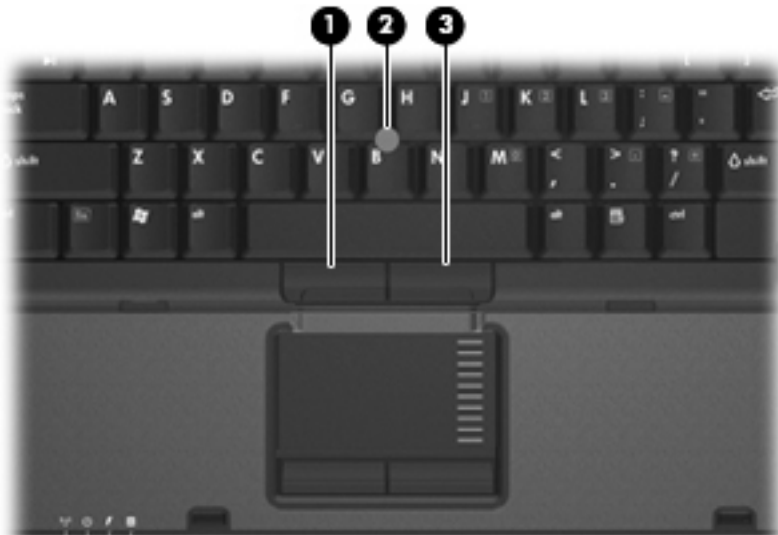
1. Select **Start > Computer > System properties**.
2. In the left pane, click **Device Manager**.

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

2 Components

Top components

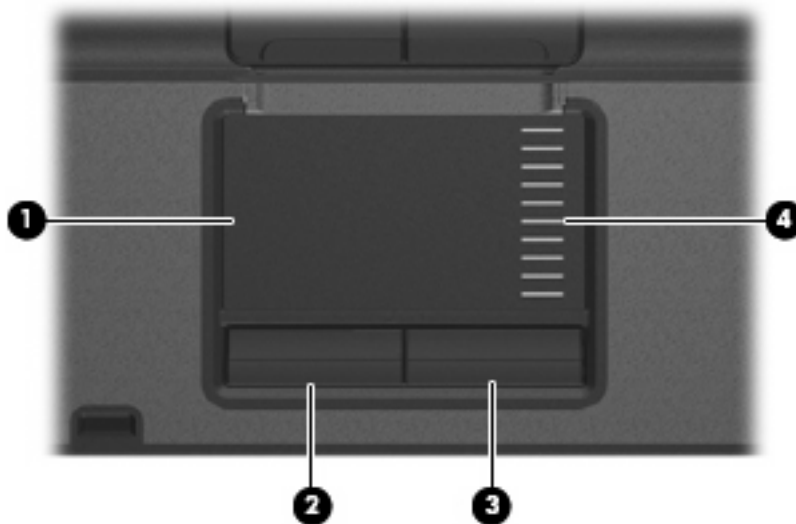
Pointing devices



| Component | Description |
|---------------------------------|---|
| (1) Left pointing stick button | Functions like the left button on an external mouse. |
| (2) Pointing stick | Moves the pointer and selects or activates items on the screen. |
| (3) Right pointing stick button | Functions like the right button on an external mouse. |

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

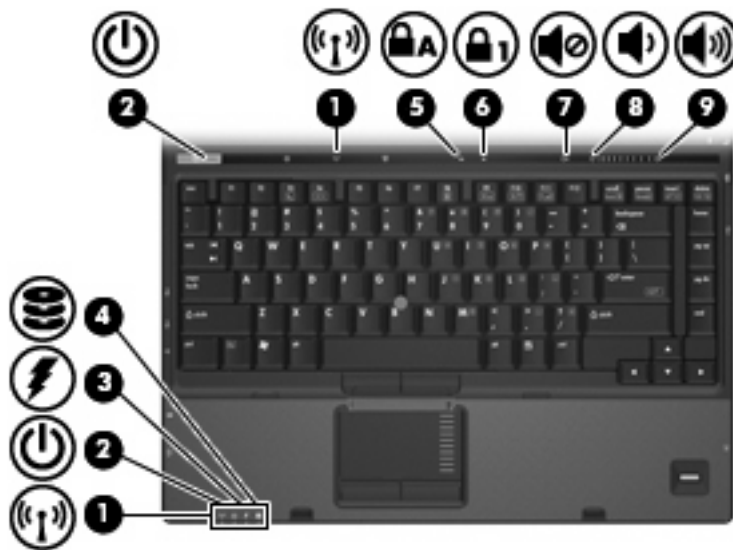
TouchPad



| 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) Right TouchPad button* | Functions like the right button on an external mouse. |
| (4) TouchPad scroll zone* | Scrolls up or down. |

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

Lights



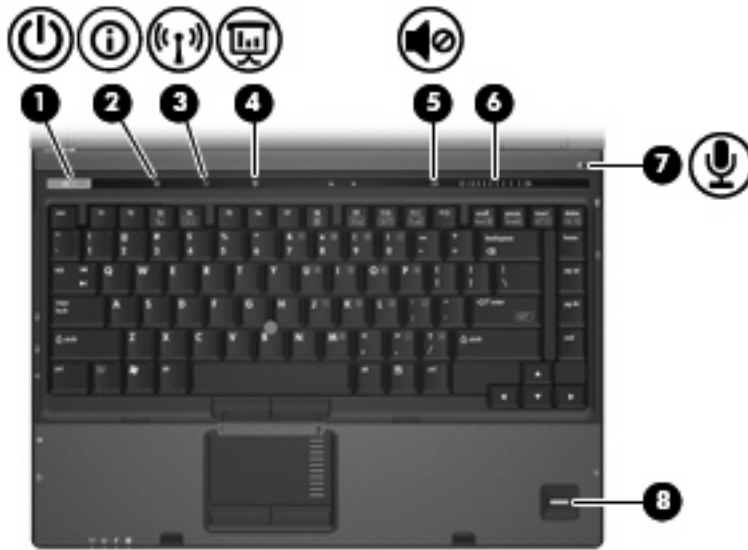
| Component | Description |
|--------------------------|--|
| (1) Wireless lights (2)† | <ul style="list-style-type: none"> On: An integrated wireless device, such as a wireless local area network (WLAN) device, the HP Broadband Wireless Module, and/or a Bluetooth® device, is on. Off: All wireless devices are off. |
| (2) Power lights (2)* | <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) Battery light | <ul style="list-style-type: none"> Amber: A battery is charging. Green: 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. |
| (4) Drive light | <ul style="list-style-type: none"> Blinking green: The hard drive or optical drive is being accessed. Amber: HP 3D DriveGuard has temporarily parked the internal hard drive. |
| (5) Caps lock light | On: Caps lock is on. |
| (6) Num lock light | On: Num lock is on or the embedded numeric keypad is enabled. |


| Component | Description |
|-----------------------|--|
| (7) Volume mute light | <ul style="list-style-type: none"> • Off: Computer sound is on. • On: Computer sound is off. |
| (8) Volume down light | Blinking: The volume scroll zone is being used to decrease speaker volume. |
| (9) Volume up light | Blinking: The volume scroll zone is being used to increase speaker volume. |

*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.

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

Buttons, switches, and fingerprint reader



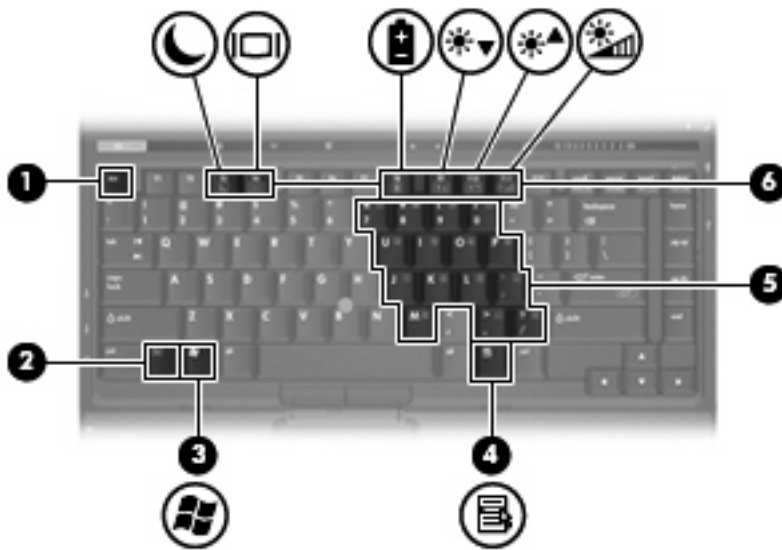
| Component | Description |
|-------------------------|---|
| (1) Power button | <ul style="list-style-type: none"> When the computer is off, press the button to turn on the computer. When the computer is on, press the button to shut down the computer. When the computer is in the Sleep state, press the button briefly to exit Sleep. When the computer is in Hibernation, press the button briefly to exit Hibernation. <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) info button | <p>Launches Info Center, which enables you to open various software solutions.</p> |
| (3) Wireless button | <p>Turns the wireless feature on or off, but does not establish a wireless connection.</p> <p> NOTE: A wireless network must be set up in order to establish a wireless connection.</p> |
| (4) Presentation button | <p>Starts the presentation feature.</p> |
| (5) Volume mute button | <p>Mutes and restores speaker sound.</p> |
| (6) Volume scroll zone | <p>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.</p> |

| Component | Description |
|--|---|
| (7) Internal microphone | Records sound. |
| (8) HP Fingerprint Sensor (fingerprint reader) | Allows a fingerprint logon to Windows, instead of a password logon. |

Keys

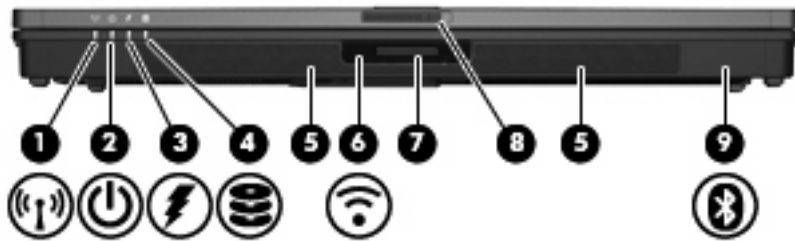


NOTE: Your computer may look slightly different from the illustration in this section.



| Component | Description |
|----------------------------------|--|
| (1) <code>esc</code> key | Displays system information 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



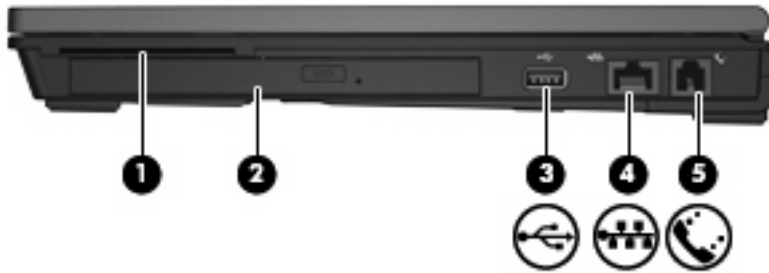
| Component | Description |
|---------------------------|--|
| (1) Wireless light | <p>On: An integrated wireless device, such as a wireless local area network (WLAN) device, the HP Broadband Wireless Module, and/or a Bluetooth device, is on.</p> <p>Off: All wireless devices are off.</p> |
| (2) Power 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) Battery light | <ul style="list-style-type: none"> Amber: A battery is charging. Green: 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. |
| (4) Drive light | <p>Blinking green: The hard drive or optical drive is being accessed.</p> <p>Amber: HP 3D DriveGuard has temporarily parked the hard drive.</p> |
| (5) Speakers (2) | Produce sound. |
| (6) Infrared port | Provides wireless communication between the computer and an optional IrDA-compliant device. |
| (7) Media Card Reader | Supports the Secure Digital (SD) Memory Card and MultiMediaCard (MMC) optional digital card formats |
| (8) Display release latch | Opens the computer. |
| (9) Bluetooth compartment | Contains a Bluetooth device. |

Rear components



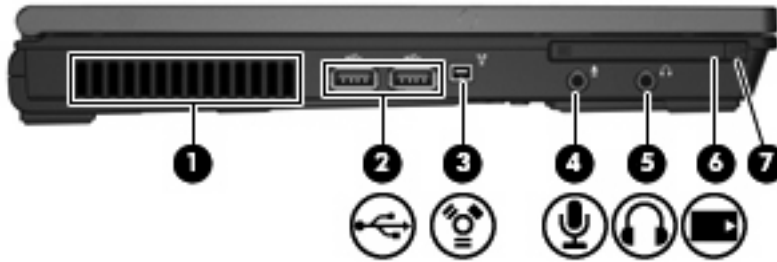
| Component | Description |
|---------------------------|---|
| (1) Security cable slot | Attaches an optional security cable to the computer.  NOTE: The security cable is designed to act as a deterrent, but it may not prevent the computer from being mishandled or stolen. |
| (2) Power connector | Connects an AC adapter. |
| (3) S-Video-out jack | Connects an optional S-Video device such as a television, VCR, camcorder, overhead projector, or video capture card. |
| (4) External monitor port | Connects an external VGA monitor or projector. |



Right-side components



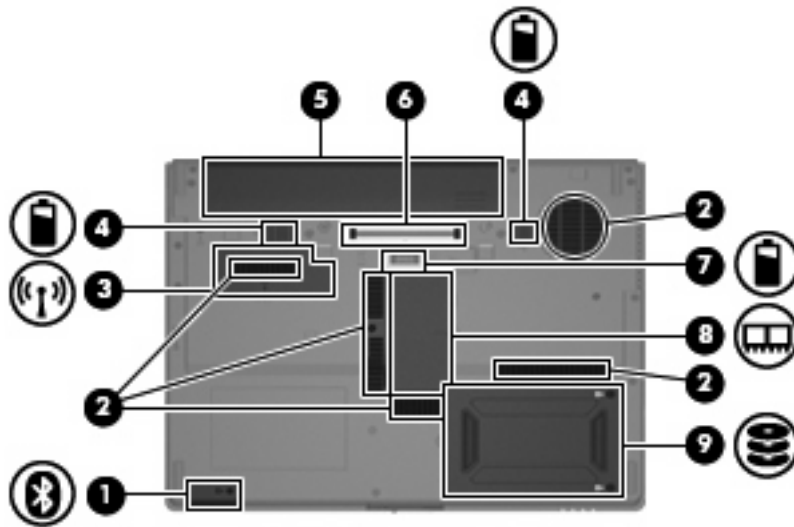
| Component | Description |
|----------------------------|---------------------------------------|
| (1) Smart card reader | Supports smart cards and Java™ cards. |
| (2) MultiBay optical drive | Reads an optical disc. |
| (3) USB port | Connects an optional USB device. |
| (4) RJ-45 (network) jack | Connects a network cable. |
| (5) RJ-11 (modem) jack | Connects a modem cable. |

Left-side components



| Component | Description |
|--------------------------------|--|
| (1) Vent | <p>Enables airflow to cool internal components.</p> <p> 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.</p> <p> 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.</p> |
| (2) USB ports (2) | Connect optional USB devices. |
| (3) 1394 port | Connects an optional IEEE 1394 or 1394a device, such as a camcorder. |
| (4) Audio-in (microphone) jack | Connects an optional computer headset microphone, stereo array microphone, or monaural microphone. |
| (5) Audio-out (headphone) jack | Produces sound when connected to optional powered stereo speakers, headphones, ear buds, a headset, or television audio. |
| (6) PC Card slot | Supports optional Type I or Type II 32-bit (CardBus) or 16-bit PC Cards. |
| (7) PC Card eject button | Ejects a PC Card from the PC Card slot. |

Bottom components



| Component | Description |
|---------------------------------|---|
| (1) Bluetooth compartment | Contains a Bluetooth device. |
| (2) Vents (5) | Enable airflow to cool internal components. <div style="display: flex; align-items: center;"> △ <div> <p>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.</p> </div> </div> <div style="display: flex; align-items: center; margin-top: 10px;"> 📝 <div> <p>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.</p> </div> </div> |
| (3) WLAN module compartment | Contains a WLAN module. <div style="display: flex; align-items: center;"> △ <div> <p>CAUTION: To prevent an unresponsive system and the display of a warning message, replace the device with only a WLAN module 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, and then contact technical support through Help and Support.</p> </div> </div> |
| (4) Battery release latches (2) | Release the battery from the battery bay. |
| (5) Battery bay | Holds the battery. |
| (6) Docking connector | Connects an optional docking device. |
| (7) Accessory battery connector | Connects an optional accessory battery. |
| (8) Memory module compartment | Contains the memory module slots. |
| (9) Hard drive bay | Holds the hard drive. |

Wireless antennae



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

*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. |
| (4) Modem cable* | Connects the internal modem to an RJ-11 telephone jack or to a country-specific modem adapter. |

*Modem cables, 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 (select models only)—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 to the business cardholder on the bottom of the computer.
- 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 to the business cardholder on the bottom of the computer.
- 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, an HP Broadband Wireless Module, 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 to the business cardholder on the bottom of the computer.
- 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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