

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.

Table of contents

1 Identifying hardware

2 Components

Top components	4
Pointing devices	4
Lights	6
Buttons, switches and fingerprint reader	8
Keys	10
Front components	11
Rear components	12
Right-side components	13
Left-side components	14
Bottom components	15
Wireless antennae	16
Additional hardware components	17

3 Labels

Index	21
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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**.

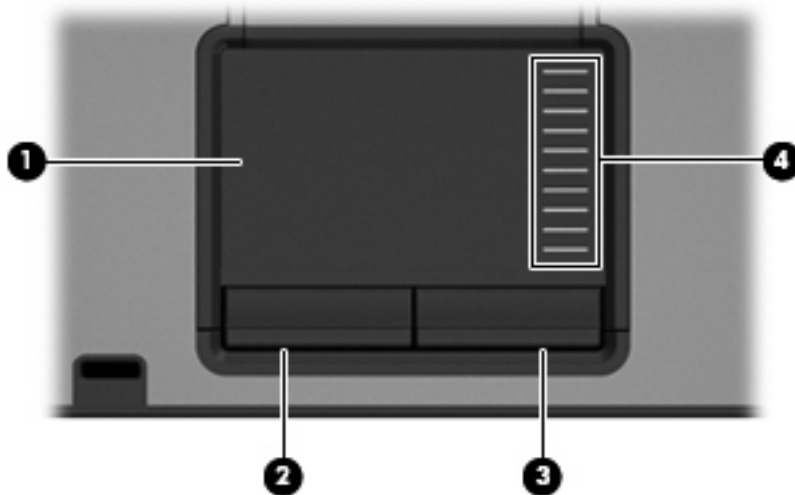
You can also add hardware or modify device configurations using Device Manager.

2 Components

Top components

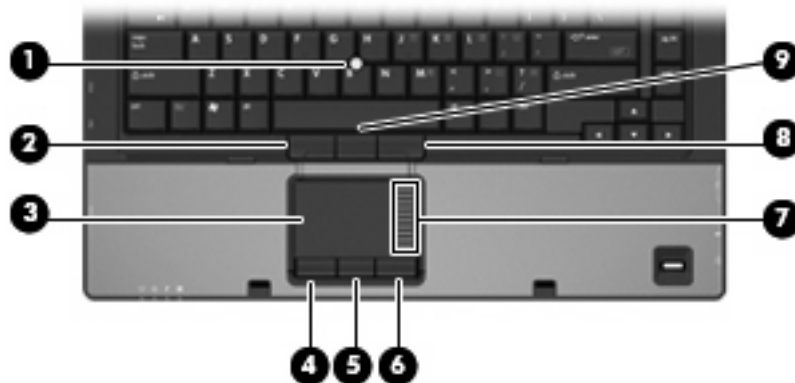
Pointing devices

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



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 > Printers and Other Hardware > Mouse**.



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

Component	Description
(3) TouchPad	Moves the pointer and selects or activates items on the screen.
(4) Left TouchPad button	Functions like the left button on an external mouse.
(5) Center TouchPad button	Functions like the center button on an external mouse.
(6) Right TouchPad button	Functions like the right button on an external mouse.
(7) TouchPad scroll zone	Scrolls up or down.
(8) Right pointing stick button	Functions like the right button on an external mouse.
(9) Center pointing stick button	Functions like the center 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



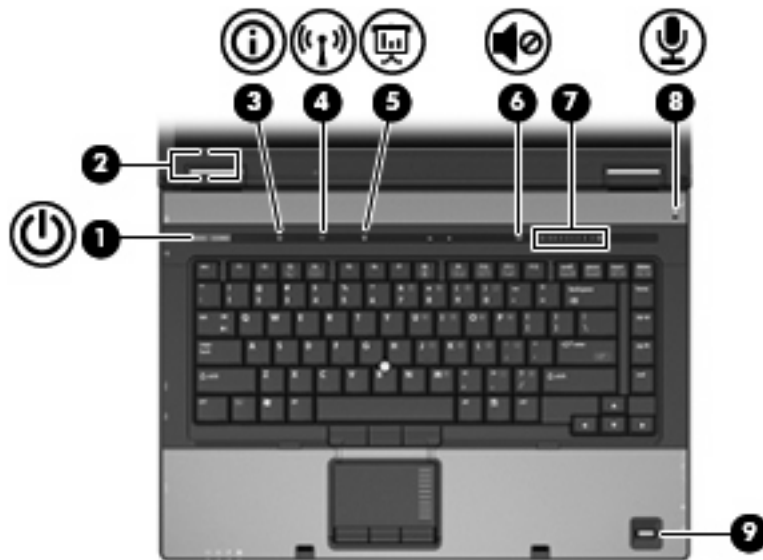
Component	Description
(1) Wireless lights (2)†	<ul style="list-style-type: none"> On: An integrated wireless device, such as a wireless local area network (WLAN) device, the HP Broadband Wireless Module, and/or a Bluetooth® device, is on. Off: All wireless devices are off.
(2) Power lights (2)*	<ul style="list-style-type: none"> On: The computer is on. Blinking: The computer is in Standby. 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) Info Center light	On: Info Center is on.
(6) Presentation light	On: Presentation feature is on.

Component	Description
(7) Caps lock light	On: Caps lock is on.
(8) Num lock light	On: Num lock is on or the embedded numeric keypad is enabled.
(9) Volume mute light	<ul style="list-style-type: none"> • Off: Computer sound is on. • On: Computer sound is off.
(10) Volume down light	Blinking: The volume scroll zone is being used to decrease speaker volume.
(11) 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

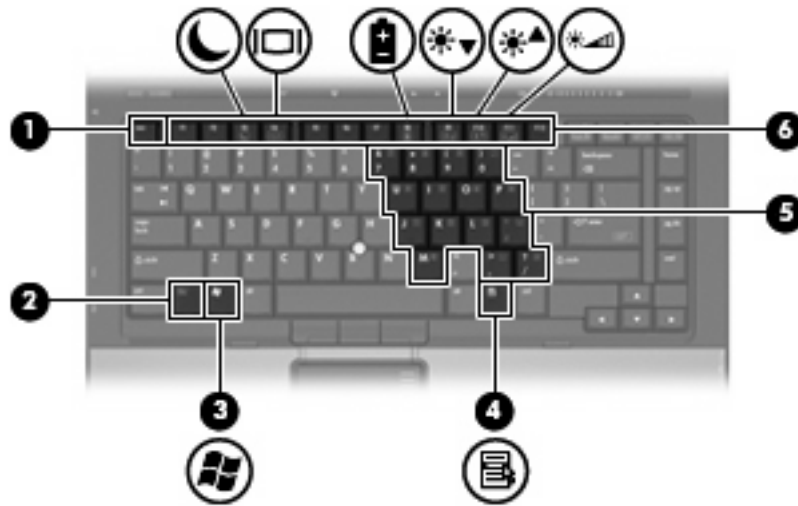


Component	Description
(1) Power button	<ul style="list-style-type: none"> When the computer is off, press the button to turn on the computer. When the computer is on, press the button to shut down the computer. When the computer is in Standby, press the button briefly to exit Standby. When the computer 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) Internal display switch	Turns off the display if the display is closed while the power is on.
(3) Info button	Launches Info Center, which enables you to open various software solutions.
(4) Wireless button	Turns the wireless feature on or off, but does not establish a wireless connection.
	NOTE: A wireless network must be set up in order to establish a wireless connection.
(5) Presentation button	Starts the presentation feature.
(6) Volume mute button	Mutes and restores speaker sound.
(7) 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 scroll zone to decrease volume, or press the right side of the volume scroll zone to increase volume.

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

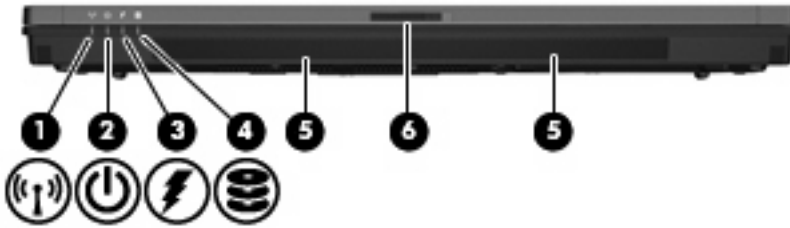
Keys

 **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



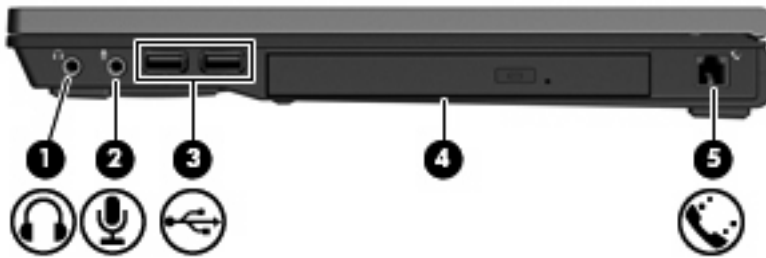
Component	Description
(1) Wireless light	<ul style="list-style-type: none"> On: An integrated wireless device, such as a wireless local area network (WLAN) device, the HP Broadband Wireless Module, and/or a Bluetooth device, is on. Off: All wireless devices are off.
(2) Power light	<ul style="list-style-type: none"> On: The computer is on. Blinking: The computer is in Standby. 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 (select models only): HP 3D DriveGuard has temporarily parked the hard drive.
(5) Speakers	Produce sound.
(6) Display release latch	Opens the computer.

Rear components



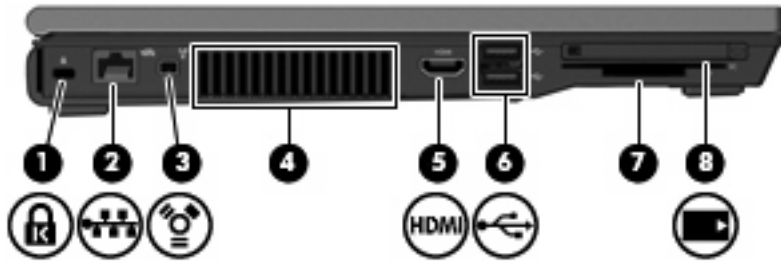
Component	Description
(1) Power connector	Connects an AC adapter.
(2) External monitor port	Connects an external VGA monitor or projector.

Right-side components



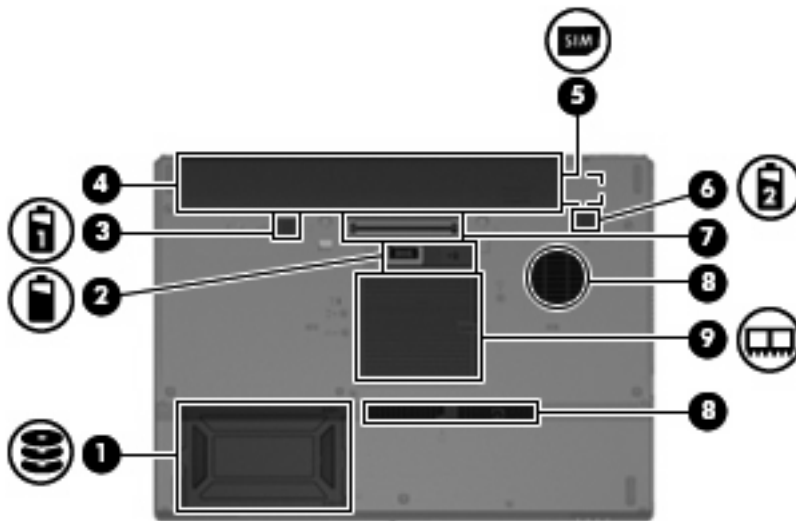
Component	Description
(1) Audio-out (headphone) jack	Produces sound when connected to optional powered stereo speakers, headphones, ear buds, a headset, or television audio.
(2) Audio-in (microphone) jack	Connects an optional computer headset microphone, stereo array microphone, or monaural microphone.
(3) USB ports (2) (select models only)	Connect optional USB devices.
(4) Optical drive	Reads optical discs and, on select models, also writes to optical discs.
(5) RJ-11 (modem) jack	Connects a modem cable.

Left-side components



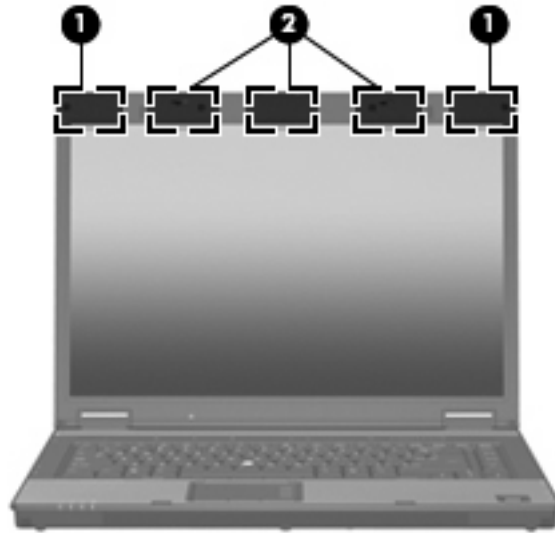
Component	Description
(1) Security cable slot	Attaches an optional security cable to the computer. NOTE: The security cable is designed to act as a deterrent, but may not prevent the computer from being mishandled or stolen.
(2) RJ-45 (network) jack	Connects a network cable. NOTE: The RJ-45 (network) jack provides Gigabit Ethernet functionality.
(3) 1394 port (select models only)	Connects an optional IEEE 1394 or 1394a device, such as a camcorder.
(4) Vent	Enables airflow to cool internal components. 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. 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) HDMI port	Connects an optional video or audio device, such as a high-definition television, or any compatible digital or audio component.
(6) USB ports (2)	Connect optional USB devices.
(7) Media Card Reader	Supports the following optional digital card formats: MultiMedia Card (MMC) and Secure Digital (SD) Memory Card.
(8) PC Card slot	Supports optional Type I or Type II 32-bit (CardBus) or 16-bit PC Cards.

Bottom components



Component	Description
(1) Hard drive bay	Holds the hard drive.
(2) Accessory battery connector	Connects an optional accessory battery.
(3) Battery release latch	Releases the battery from the battery bay.
(4) Battery bay	Holds the battery.
(5) SIM slot (select models only)	Contains a subscriber identity module (SIM). The SIM slot is located inside the battery bay.
(6) Battery release latch	Releases the battery from the battery bay.
(7) Docking connector	Connects an optional docking device.
(8) Vents (2)	Enable airflow to cool internal components. 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. 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.
(9) Memory module compartment	Contains the memory module slot.

Wireless antennae



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

*The antennae are not visible from the outside of the computer. 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) 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-specific modem adapter.

*Power cords, batteries, and modem cables 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**—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 under the business card holder.
- **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 under the business card holder.
- **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 under the business card holder.
- **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.

Index

Symbols/Numerics

1394 port, identifying 14

A

AC adapter, identifying 17
accessory battery connector,
identifying 15
applications key, Windows 10
audio-in (microphone) jack,
identifying 13
audio-out (headphone) jack,
identifying 13

B

battery bay 15, 19
battery light, identifying 6, 11
battery release latch,
identifying 15
battery, identifying 17
bays
battery 15, 19
hard drive 15
Bluetooth label 19
buttons
info 8
pointing stick 4
power 8
Presentation 8
TouchPad 4, 5
volume mute 8
wireless 8

C

caps lock light, identifying 7
Certificate of Authenticity label 19
compartment, memory
module 15
components
additional hardware 17
bottom 15

front 11
left-side 14
rear 12
right-side 13
top 4
wireless antennae 16
cord, power 17

D

display release latch,
identifying 11
display switch, identifying 8
docking connector, identifying 15
drive light, identifying 6, 11

E

esc key, identifying 10
external monitor port,
identifying 12

F

Fingerprint sensor, identifying 9
fn key, identifying 10
function keys, identifying 10

H

hard drive bay, identifying 15
headphone (audio-out) jack 13
HP Fingerprint sensor,
identifying 9

I

IEEE 1394 port, identifying 14
info button, identifying 8
internal display switch,
identifying 8
internal microphone, identifying 9

J

jacks
audio-in (microphone) 13
audio-out (headphone) 13
RJ-11 (modem) 13
RJ-45 (network) 14

K

keypad keys, identifying 10
keys
esc 10
fn 10
function 10
keypad 10
Windows applications 10
Windows logo 10

L

labels
Bluetooth 19
Microsoft Certificate of
Authenticity 19
modem approval 19
regulatory 19
service tag 19
wireless certification 19
WLAN 19
latch, battery release 15
lights
battery 6, 11
caps lock 7
drive 6, 11
Info Center 6
mute 7
num lock 7
power 6, 11
volume down 7
volume mute 7
volume up 7
wireless 6, 11

- M**
- memory module compartment, identifying 15
- microphone (audio-in) jack 13
- Microsoft Certificate of Authenticity label 19
- modem approval label 19
- modem cable, identifying 17
- monitor port, external 12
- mute button, identifying 8
- mute light, identifying 7

- N**
- num lock light, identifying 7

- O**
- operating system
 - Microsoft Certificate of Authenticity label 19
 - Product Key 19
- optical drive, identifying 13

- P**
- PC Card slot, identifying 14
- pointing devices, identifying 4
- pointing stick buttons, identifying 4
- pointing stick, identifying 4
- ports
 - 1394 14
 - external monitor 12
 - HDMI 14
 - USB 13, 14
- power button, identifying 8
- power connector, identifying 12
- power cord, identifying 17
- power light, identifying 11
- power lights, identifying 6
- Presentation button, identifying 8
- Product Key 19
- product name and number, computer 19

- R**
- regulatory information
 - modem approval label 19
 - regulatory label 19
 - wireless certification labels 19
- release latch, battery 15
- RJ-11 (modem) jack, identifying 13
- RJ-45 (network) jack, identifying 14

- S**
- scroll zone, TouchPad 4
- scrolling regions, TouchPad 5
- serial number, computer 19
- service tag 19
- SIM slot, identifying 15
- slots
 - Media Card Reader 14
 - memory module 15
 - security cable 14
 - security cable slot, identifying 14
- speaker, identifying 11

- T**
- TouchPad
 - scrolling regions 5
- TouchPad buttons, identifying 4, 5
- TouchPad scroll zone, identifying 4
- TouchPad, identifying 4, 5
- traveling with the computer
 - modem approval label 19
 - wireless certification labels 19

- U**
- USB ports, identifying 13, 14

- V**
- vent 14
- vents, identifying 15
- volume down light, identifying 7
- volume mute button, identifying 8
- volume mute light, identifying 7
- volume scroll zone, identifying 8
- volume up light, identifying 7

- W**
- Windows applications key, identifying 10
- Windows logo key, identifying 10
- wireless button, identifying 8
- wireless certification label 19
- wireless light, identifying 6, 11
- WLAN antenna, identifying 16
- WLAN device 19
- WLAN label 19
- WWAN antennae, identifying 16

