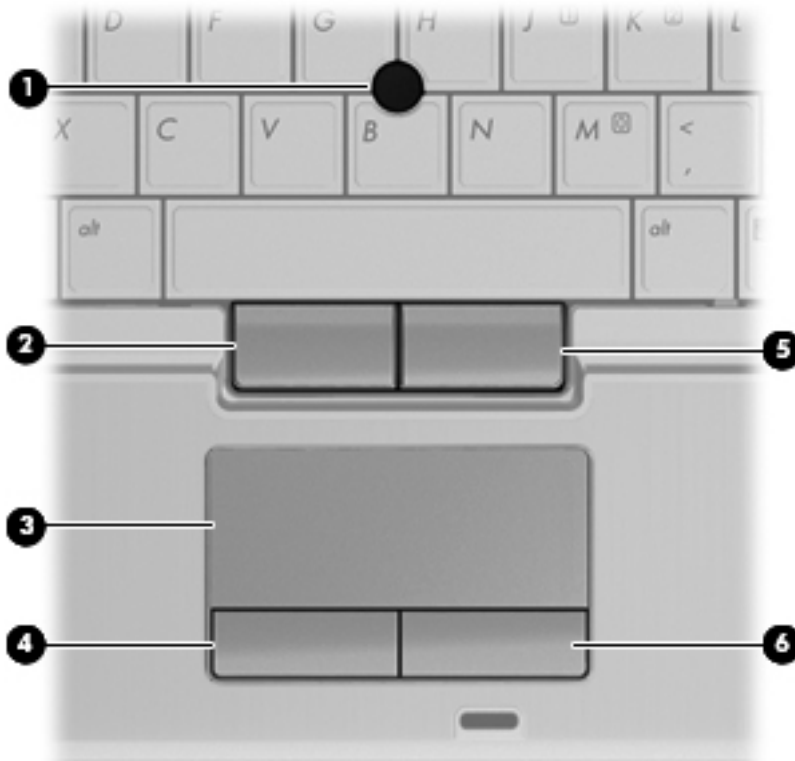


2 External component identification

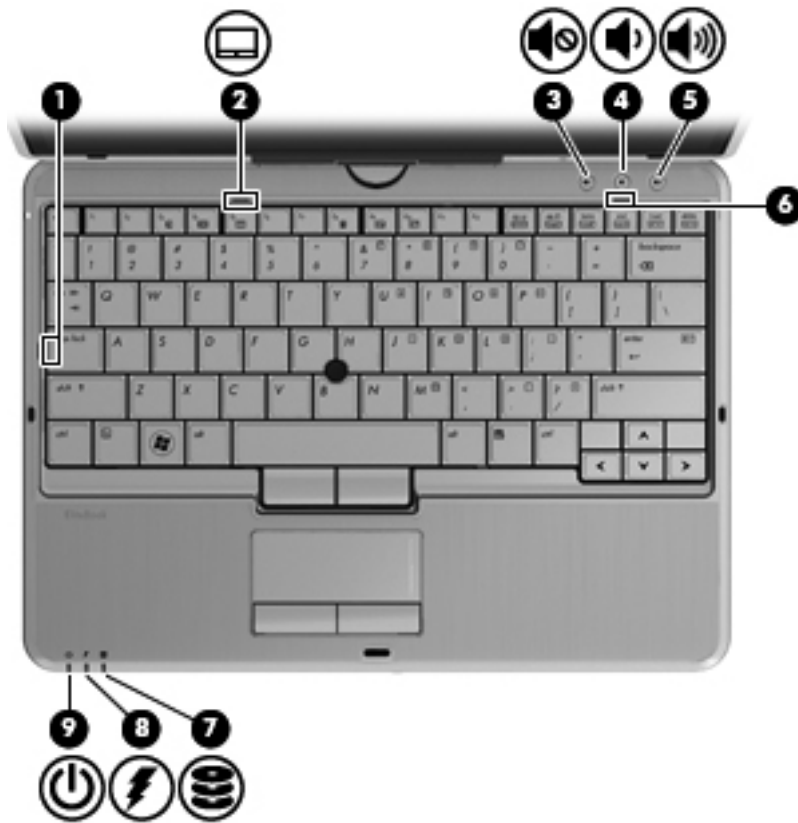
Top



TouchPad




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.
(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)	Right pointing stick button Functions like the right button on an external mouse.
(6)	Right TouchPad button Functions like the right button on an external mouse.

Lights




Component	Description
(1) Caps lock light	On: Caps lock is on.
(2) TouchPad light	<ul style="list-style-type: none"> Off: TouchPad is on. Amber: TouchPad is off.
(3)  Mute light	<ul style="list-style-type: none"> White: Computer sound is on. Amber: Computer sound is off.
(4) Volume down light	White: The computer volume is being decreased.
(5) Volume up light	White: The computer volume is being increased.
(6) Num lock light	On: Num lock is on and the embedded numeric keypad is enabled.
(7)  Drive light	<ul style="list-style-type: none"> White: The hard drive or optical drive is being accessed. Amber: HP 3D DriveGuard has temporarily parked the hard drive.

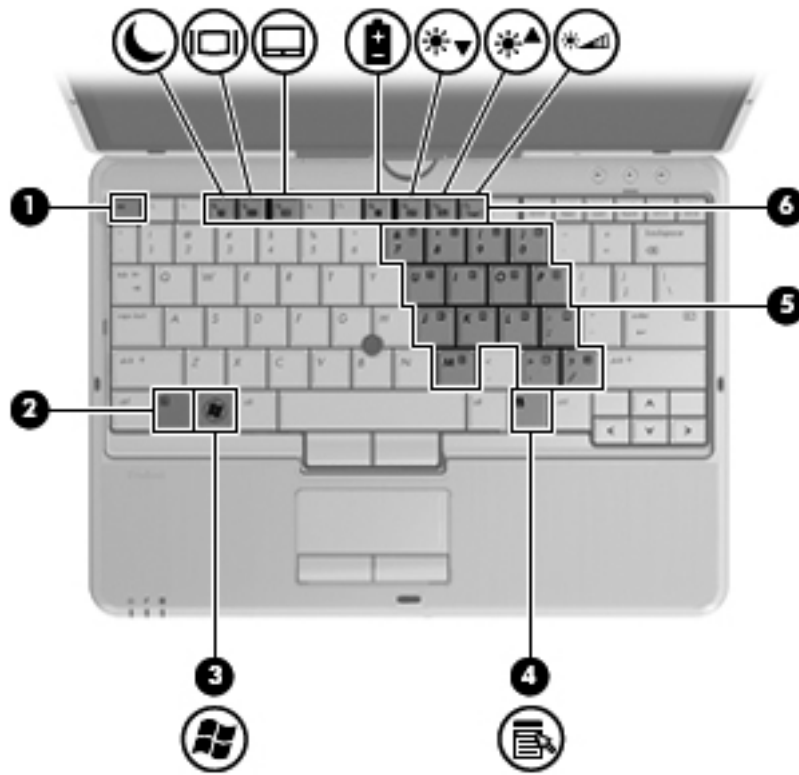
Component		Description
(8)	Battery light	<ul style="list-style-type: none">• White: A battery is close to full charge capacity.• Amber: A battery that is the only available power source has reached a low battery level. When the battery reaches a critical battery level, the battery light begins blinking 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.
(9)	 Power light	<ul style="list-style-type: none">• On: The computer is on.• Blinking: The computer is in the Sleep state.• Off: The computer is off or in Hibernation.



Buttons



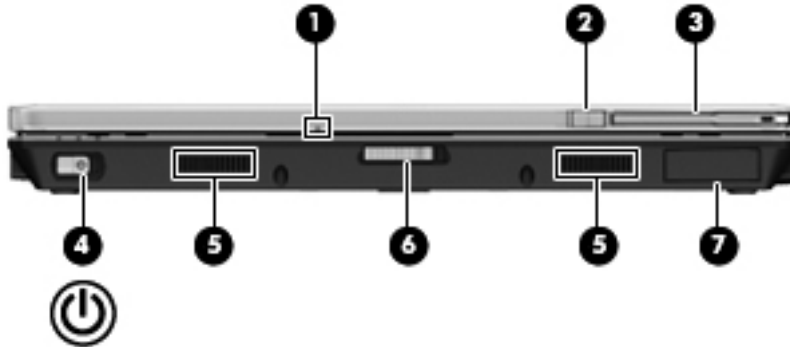
Component	Description
(1)  Volume mute button	Mutes and restores speaker sound.
(2) Volume down button	Decreases computer volume.
(3) Volume up button	Increases computer volume.

Keys



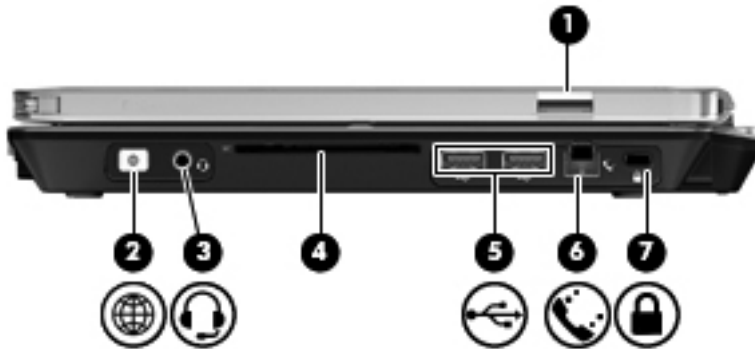
Component	Description
(1) <code>esc</code> key	Displays system information when pressed in combination with the <code>fn</code> key.
(2) <code>fn</code> key	Executes frequently used system functions when pressed in combination with a function key, the <code>num lk</code> key, or the <code>esc</code> 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 when the embedded numeric keypad is turned on.
(6) Function keys	Execute frequently used system functions when pressed in combination with the <code>fn</code> key.



Front




Component	Description
(1) Webcam light	On: The webcam is in use.
(2) External WWAN antenna button	Opens the external wireless wide area network (WWAN) antenna.
(3) External WWAN antenna	Send and receive wireless signals to communicate with wireless wide-area networks (WWAN).
(4) Power switch	<ul style="list-style-type: none"> When the computer is off, slide the switch to the right to turn on the computer. When the computer is on, slide the switch to the right to shut down the computer. When the computer is in the Sleep state, slide the switch to the right briefly to exit Sleep. When the computer is in Hibernation, slide the switch to the right briefly to exit Hibernation. <p>If the computer has stopped responding and Windows shutdown procedures are ineffective, slide the switch to the right and hold 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 Security > Power Options.</p>
(5) Speakers (2)	Produce sound.
(6) Display release latch	Opens the computer.
(7) Bluetooth® compartment	Contains an optional Bluetooth device.

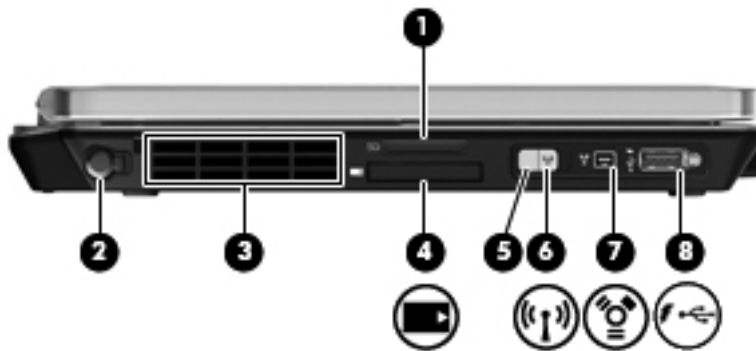
Right




Component	Description
(1) Fingerprint reader (select models only)	Allows a fingerprint logon to Windows instead of a password logon.
(2) QuickWeb button	<ul style="list-style-type: none"> • When the computer is off or in Hibernation, press the button to open HP QuickWeb. • When the computer is in Microsoft Windows, press the button to open the default Web browser. • When the computer is in HP QuickWeb, press the button to open the default Web browser. <p>NOTE: For more information, refer to “HP QuickWeb” in this guide and to the HP QuickWeb software Help. If your computer does not have HP QuickWeb software, the button does not perform any action or function.</p>
(3)  Audio-out (headphone) jack/Audio-in (microphone) jack	<p>Connects optional powered stereo speakers, headphones, earbuds, a headset, or television audio. Also connects an optional headset microphone.</p> <p>WARNING! To reduce the risk of personal injury, adjust the volume before putting on headphones, earbuds, or a headset. For additional safety information, refer to the <i>Regulatory, Safety, and Environmental Notices</i>.</p> <p>NOTE: When a device is connected to the jack, the computer speakers are disabled.</p> <p>NOTE: A 4-conductor audio plug headphone with microphone is needed in order to use the microphone function.</p>
(4) Smart card reader	Supports optional smart cards and Java™ Cards.
(5)  USB 2.0 ports (2)	Connect optional USB devices.

Component	Description
(6) RJ-11 (modem) jack (select models only)	Connects a modem cable.
(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.

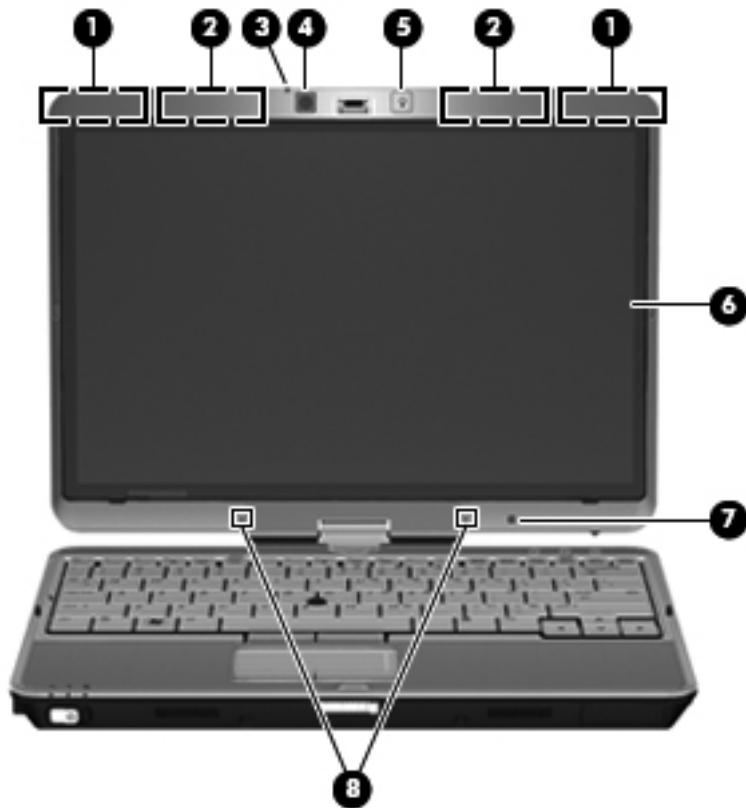
Left



Component	Description
(1) Media Card Reader	Supports the following digital card formats: <ul style="list-style-type: none"> MultiMediaCard Secure Digital (SD) Card
(2) Pen holder	Stores the digitizer pen.
(3) 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.
(4) ExpressCard slot (select models only)	Supports optional ExpressCards.
(5)  Wireless light	<ul style="list-style-type: none"> White: An integrated wireless device, such as a wireless local area network (WLAN) device, the HP Mobile Broadband Module, and/or a Bluetooth device, is on. Amber: All wireless devices are off.
(6) Wireless switch	Turns the wireless feature on or off, but does not create a wireless connection. NOTE: A wireless network must be set up in order to establish a wireless connection.

Component	Description
(7) 1394 port	Connects an optional IEEE 1394 or 1394a device, such as a camcorder.
(8) USB charging port	Provides power to a USB device, such as an optional external MultiBay, if used with a powered USB cable.

Display

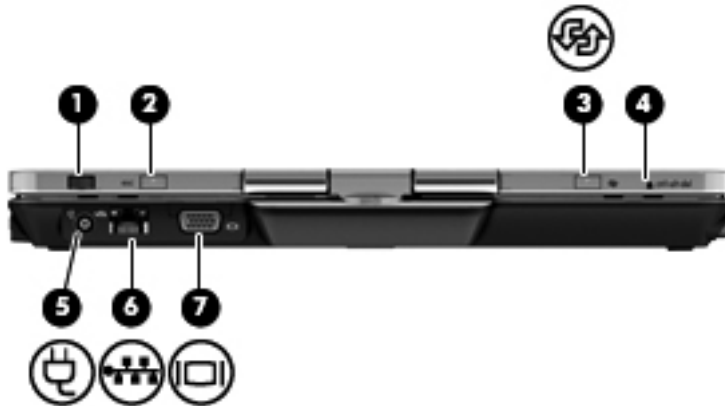






Component	Description
(1) WWAN antennas (2)* (select models only)	Send and receive wireless signals to communicate with wireless wide-area networks (WWAN).
(2) WLAN antennas (2)*	Send and receive wireless signals to communicate with wireless local area networks (WLAN).
(3) Webcam light	On: The webcam is in use.
(4) Webcam	Records video and captures still photographs. To use the webcam, select Start > All Programs > HP > HP Webcam .
(5) Keyboard light button	Opens and turns on the keyboard light.

Component	Description
(6) Touch screen	Allows you to perform certain actions using your fingers or the digitizer pen.
(7) Ambient light sensor	Automatically adjusts the display brightness based on the lighting conditions in your environment.
(8) Internal microphones (2)	Record sound.

*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.

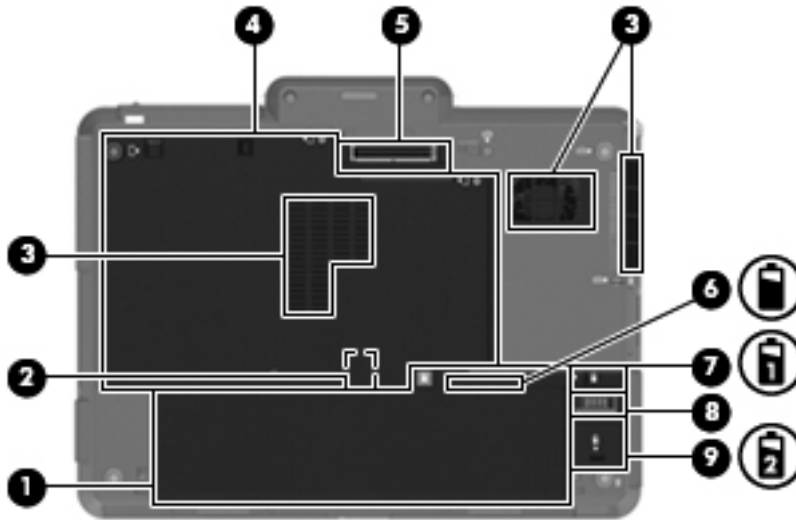
Rear




Component	Description
(1) Jog dial	In slate mode, functions like the enter key and the up and down arrows on a standard keyboard. <ul style="list-style-type: none">• Press inward to enter a command.• Rotate up to scroll up.• Rotate down to scroll down.
(2) esc button	In slate mode, allows you to exit or escape out of an application.
(3)  Rotate button	In slate mode, switches the image between landscape and portrait orientation.
(4) ctrl+alt+del button*	In slate mode: <ul style="list-style-type: none">• While Windows is running, press the button with the pen to enter the ctrl+alt+del command.*• While the Computer Setup utility is running, press the button with the pen to enter the reset command. The computer resets and all unsaved information is lost. The reset function can be used to restore functionality when the system has become unresponsive.
(5)  Power connector	Connects an AC adapter.
(6)  RJ-45 (network) jack	Connects a network cable.
(7)  External monitor port	Connects an external VGA monitor or projector.

*To protect your work and the system, the ctrl+alt+delete command cannot be entered using the ctrl, alt, and del keys on the on-screen keyboard.

Bottom



Component	Description
(1) Battery bay	Holds the battery.
(2) SIM slot	Supports a wireless subscriber identity module (SIM). The SIM slot is located inside the battery bay.
(3) Vents (3)	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.
(4)  Hard drive bay	Contains the hard drive, the wireless LAN module slot, the WWAN module slot, and the memory module slot. CAUTION: 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.
(5) Docking connector	Connects an optional docking device.
(6) Charge level indicator	Displays the approximate remaining battery charge.
(7) Battery release latch	Releases the battery from the battery bay.
(8) Accessory battery connector	Connects an optional accessory battery.
(9) Accessory battery connector door	Slides open to expose the accessory battery connector.