

2

Hardware

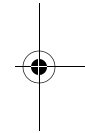
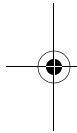
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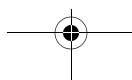
Hardware

Display



Display

Display release latch	Opens the notebook.
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Top

TouchPad



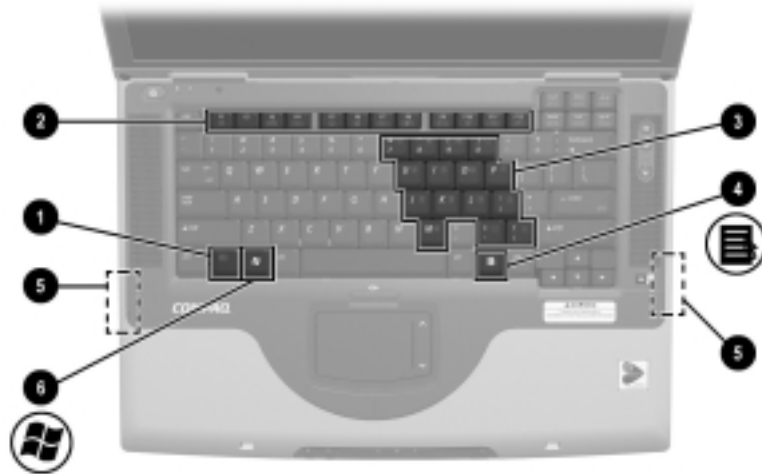
Top: TouchPad

❶	TouchPad on/off button	Enables/disables the TouchPad.
❷	TouchPad*	Moves the pointer and selects or activates items on the screen.
❸	TouchPad light	On: TouchPad is enabled.
❹	TouchPad scroll zones (2)*	Scroll upward or downward.
❺	Left and right TouchPad buttons*	Function like the left and right buttons on an external mouse.

*This table describes default settings. For information about changing the functions of TouchPad features, see "Setting TouchPad Preferences" in Chapter 3.

Hardware

Keys and Antenna

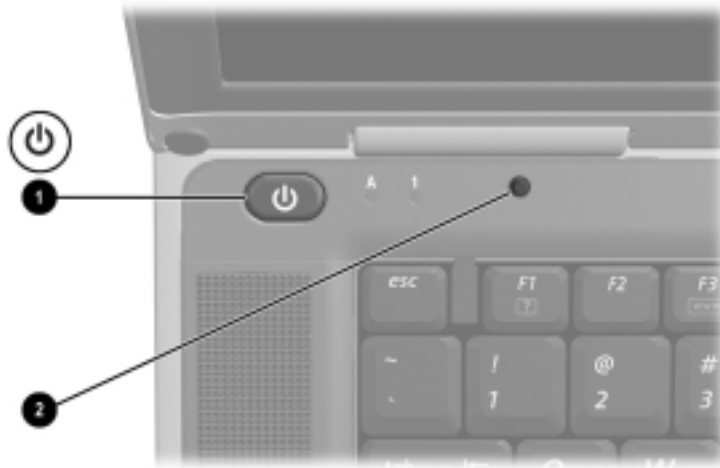


Top: Keys and Antenna

❶	Fn key	Combines with other keys to perform system tasks. For example, pressing Fn+F7 increases screen brightness.
❷	Function keys (12)	Perform system and application tasks. When combined with the Fn key, the function keys F1 and F3 through F12 perform additional tasks as hotkeys.
❸	Keypad keys (15)*	Can be used like the keys on an external numeric keypad.
❹	Applications key	Displays a shortcut menu for items beneath the pointer.
❺	Antenna (available on select models and not visible from outside the notebook)*	Sends and receives wireless device signals.
❻	Microsoft logo key	Displays the Windows Start menu.

*The notebook has 2 antennas. The second is on the right side of the notebook. For optimal transmissions, keep the areas immediately over the antennas free from obstructions.

Power Controls



Top: Power Controls

- | | |
|--------------------------|---|
| <p>❶ Power button*</p> | <p>When the notebook is:</p> <ul style="list-style-type: none"> ■ Off, press to turn on the notebook. ■ On, briefly press to initiate Hibernation. ■ In Standby, briefly press to resume from Standby. ■ In Hibernation, briefly press to restore from Hibernation. <p> If the system has stopped responding and Windows shutdown procedures cannot be used, press and hold for at least 4 seconds to turn off the notebook.</p> |
| <p>❷ Display switch*</p> | <ul style="list-style-type: none"> ■ If the notebook is closed while on, turns off the display. ■ If the notebook is opened while in Standby, turns on the notebook (resumes from Standby). |

*This table describes default settings. For information about changing the function of the power button or display switch, see "Setting Power Control Preferences" in Chapter 4.

Hardware

Lights



Top: Lights

①	Num lock light	On: Num lock or the internal keypad is on.
②	Caps lock light	On: Caps lock is on.
③	Mute light	On: Volume is muted.
④	Wireless device light (available on select models)	On: An optional internal wireless device is turned on.
⑤	Battery light	On: The notebook is receiving adequate external power. ■ On amber: A battery pack is charging. ■ On green: A battery pack is fully charged. ■ Flashing: A battery pack is malfunctioning and may need to be replaced.
⑥	IDE (Integrated Drive Electronics) drive light	On: The internal hard drive or optical drive is being accessed.
⑦	Power/standby light	On: Notebook is turned on. Flashing: Notebook is in Standby.

Audio Buttons and Speakers

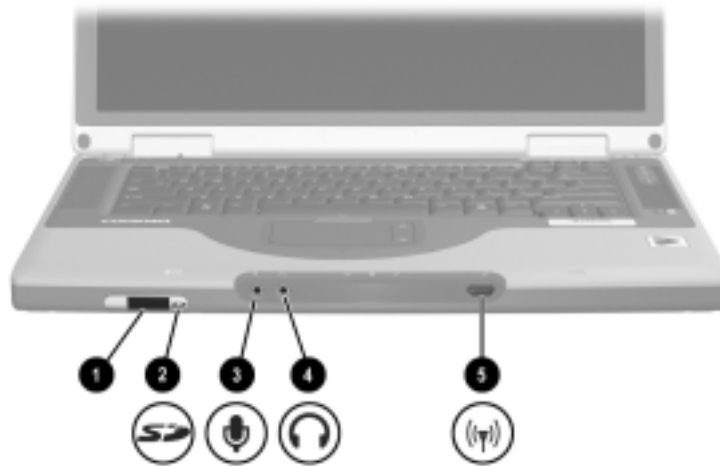


Top: Audio Buttons and Speakers

❶	Increase volume button	Increases system volume.
❷	Decrease volume button	Decreases system volume.
❸	Mute button	Mutes or restores volume.
❹	Stereo speakers (2)	Produce stereo sound.

Hardware

Front Panel

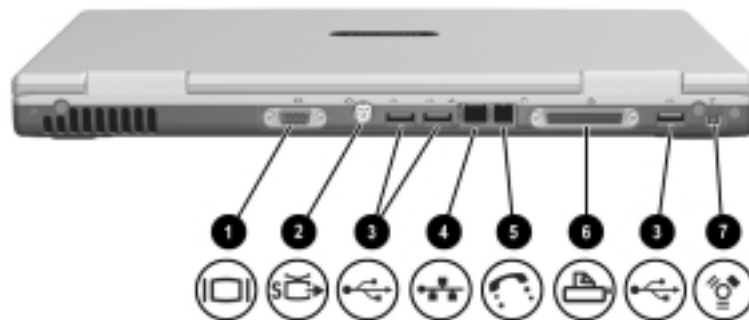


Front Panel

❶	SD (Secure Digital) Card slot	 Supports SD Cards and MMCs (multimedia cards).
❷	SD Card light	On: An SD Card or MMC is being accessed.
❸	Microphone jack	Connects an optional monaural or stereo microphone.
❹	Audio-out jack	Connects optional headphones or powered stereo speakers. Also connects the audio function of an audio/video device such as a television or VCR.
❺	Wireless device button (available on select models)	Turns an optional internal wireless device on or off.

Rear Panel

Connectors and Jacks



Rear Panel: Connectors and Jacks

❶	External monitor connector	Connects an optional VGA external monitor or projector.
❷	S-Video jack	Connects an optional S-Video device, such as a television, VCR, camcorder, projector, or video capture card.
❸	USB connectors (3)	Connect optional 2.0-compliant USB devices.
❹	RJ-45 network jack	Connects an Ethernet network cable. (An Ethernet network cable is included with select models.)
❺	RJ-11 telephone jack	Connects a modem cable. (A modem cable is included with select models.)
❻	Parallel connector (available on select models)	Connects an optional parallel device such as a printer.
❼	1394 connector	Connects an optional 1394 device such as a camcorder.

Hardware

Vent



Rear Panel: Vent

- ❶ Exhaust vent* Provides airflow to cool internal components.

△ To prevent overheating, do not obstruct vents. Do not allow a hard surface, such as a printer, or a soft surface, such as pillows or thick rugs or clothing, to block airflow.

*The notebook has 3 vents. The other vents are on the underside of the notebook.

Left Side



Left Side

❶	PC Card slot	Supports an optional Type I or Type II 32-bit (CardBus) or 16-bit PC Card.
❷	PC Card eject button	Ejects an optional PC Card from the PC Card slot.
❸	Optical drive*	Supports an optical disc.

*The type of optical drive, for example a CD, DVD, or combination CD/DVD drive, varies by model.

Hardware

Right Side



Right Side

❶	Antenna (available on select models and not visible from outside the notebook)*	Sends and receives wireless device signals.
❷	Infrared port	Provides wireless communication between the notebook and an optional IrDA-compliant device.
❸	Power connector	Connects an AC adapter cable.
❹	Security cable slot	Attaches an optional security cable to the notebook.

*The notebook has 2 antennas. The second is on the right side of the notebook. For optimal transmissions, keep the areas immediately over the antennas free from obstructions.

Underside

Bays and Memory Compartment

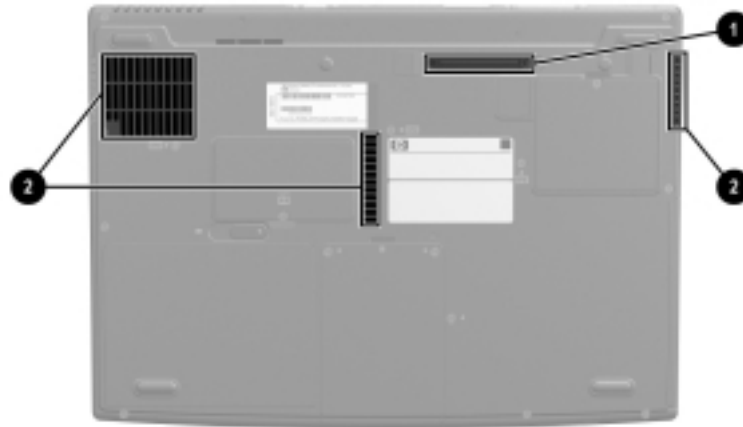


Underside: Bays and Memory Compartment

①	Battery bay	Holds a battery pack.
②	Battery pack release latch	Releases a battery pack from the battery bay.
③	Memory compartment	Contains 1 memory slot for an optional 128-MB, 256-MB, 512-MB, or 1024-MB memory module. The memory slot may be filled with a replaceable memory module or vacant, depending on the notebook model.
④	Hard drive bay	Holds the internal hard drive.

Hardware

Docking Connector and Vents



Underside: Docking Connector and Vent

- | | |
|-----------------------------|---|
| ❶ Docking connector* | Connects the notebook to an optional port replicator. |
| ❷ Vents (3) | Allow airflow to cool internal components. |

△ To prevent overheating, use the notebook only on hard surfaces which cannot obstruct the vents. Do not allow a soft surface, such as bedding, clothing or a thick rug, to block airflow.

*As shipped, the docking connector is not visible. The docking connector is beneath the docking connector cover, which protects the connector when the connector is not in use.

Labels

The labels affixed to the notebook and some notebook components provide information you may need when troubleshooting system problems or traveling internationally with the notebook.

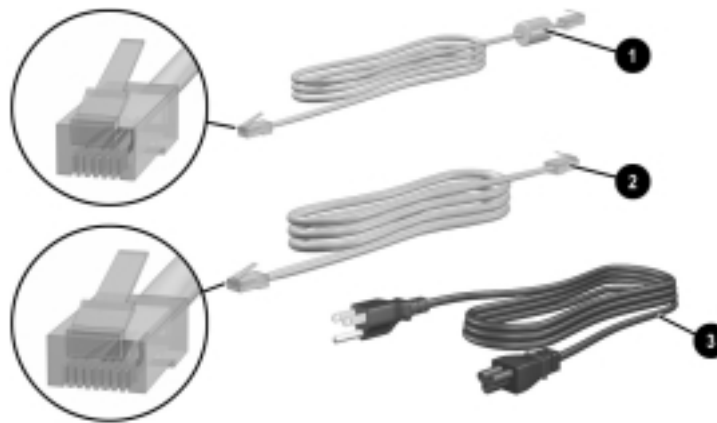
- The Microsoft Certificate of Authenticity label contains the Product Key number. You may need this number to update or troubleshoot the operating system.
- The system label provides regulatory information about the notebook.
- The product identification label contains the serial number of the notebook and a code describing the original configuration of the notebook. You will need the notebook serial number if you call customer support.
- The modem approvals label, which is affixed to an optional internal modem, provides regulatory information.
- Wireless certification labels, which are specific to various types of optional wireless devices, are affixed to the notebook and provide regulatory information.

Hardware

Additional Standard Components

The components included with the notebook vary by region, country, notebook model, and the optional hardware ordered. The following sections identify the standard external accessories and components included with most notebook models.

Cables and Cord



Additional Standard Components: Cables and Cord

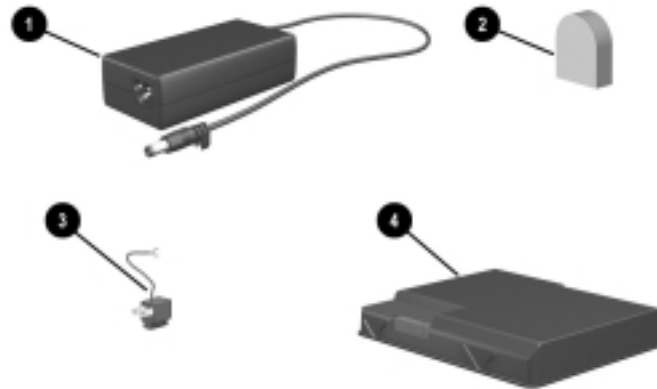
- | | | |
|---|--|--|
| ❶ | Modem cable
(included with select models) | Connects a modem to an RJ-11 telephone jack or to a country-specific modem adapter.

✍ A modem cable has a <i>6-pin</i> , RJ-11 telephone connector at each end. |
| ❷ | Network cable
(included with select models) | Connects the notebook to an Ethernet network jack.

✍ A network cable has an <i>8-pin</i> , RJ-45 network connector at each end. |
| ❸ | Power cord* | Connects an AC adapter to an AC electrical outlet. |

*Power cords vary in appearance by region and country.

Adapters and Battery Pack



Additional Standard Components: Adapters and Battery Pack

❶	AC adapter	Converts AC power to DC power.
❷	Country-specific modem adapter (included by region as required)	Adapts the modem cable to a non-RJ-11 telephone jack.
❸	Japan-specific outlet adapter (Japan only)	Connects the AC adapter to a 2-prong electrical outlet.
❹	Battery pack	Runs the notebook when the notebook is not connected to external power.

Hardware

Restoration and Documentation CDs

CDs for repairing or reinstalling software and for obtaining supplementary information about the notebook are included with the notebook.

- For information about restoring, repairing, or reinstalling software, refer to Chapter 9, “Software Updates, Restorations and Utilities.”
- For supplementary information about the notebook, refer to the *Documentation Library* CD. The *Documentation Library* CD included with all models includes the following guides. Additional guides, for example instruction manuals for using an optional wireless device, are included with select models.

For Information About These Topics	Select This Guide
■ Caring for the notebook and drives ■ Preparing the notebook for transport ■ Traveling with the notebook internationally	<i>Maintenance, Shipping and Travel</i>
■ Solving notebook problems yourself ■ Getting help from Compaq	<i>Troubleshooting</i>
■ Governmental and safety information ■ Protecting the notebook from static electricity	<i>Regulatory and Safety Notices</i>
Ergonomic and safety information	<i>Safety & Comfort Guide</i>
General instructions for using modem AT commands	<i>Modem Command Guidelines (Advanced Users Only)</i>
AT commands supported by a Lucent/Agere modem. (An optional internal modem supports the Lucent/Agere command set.)	<i>Lucent/Agere Command Set (Advanced Users Only)*</i>
*Available in English only.	

3

Keyboard

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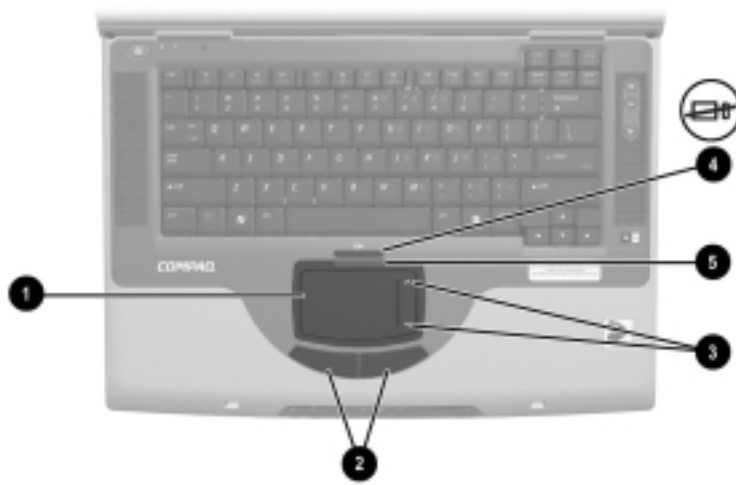
Keyboard

TouchPad

Identifying TouchPad Components

The TouchPad includes the following components:

- ❶ TouchPad
- ❷ Left and right TouchPad buttons
- ❸ TouchPad scroll zones (2)
- ❹ TouchPad on/off button
- ❺ TouchPad light



Identifying TouchPad components

Using the TouchPad

The TouchPad provides the navigation, selection, and scroll functions of an optional external mouse.

- To move the pointer, slide your finger across the TouchPad surface in the direction you want to move the pointer.

- If the pointer continues to move after you lift your finger from the TouchPad surface, wait a few seconds and the pointer will stop moving.
- To execute the click functions of the left or right button on an external mouse, press the left or right TouchPad button.
- To scroll upward, press the icon in the upward scroll zone. To scroll downward, press the icon in the downward scroll zone.
- To enable or disable the TouchPad, press the TouchPad button. When the TouchPad is enabled, the TouchPad light is on.

The notebook turns on with the TouchPad enabled. Users who work with keystrokes rather than mouse actions may prefer to disable the TouchPad to prevent accidental TouchPad activity.

Setting TouchPad Preferences

Pointer speed and shape, click speed, mouse trails, and other pointing device preferences are set in the operating system Mouse Properties window. To access Mouse Properties, select Start > Control Panel > Printers and Other Hardware icon > Mouse icon.

Keyboard

Hotkeys

Identifying Hotkeys

Hotkeys are preset combinations of the **Fn** key ❶ and one of the function keys ❷.

The icons on the function keys **F1** and **F3** through **F12** represent the hotkey functions available on the notebook.



Identifying hotkeys

Hotkeys Quick Reference

The following table identifies the default hotkeys functions. For information about changing the function of the **Fn+F5** hotkeys, see the “Setting Power Control Preferences” section in Chapter 4.

Default Function	Hotkeys
Open Help and Support window.	Fn+F1
Open Microsoft Internet Explorer.	Fn+F3
Switch display and image.	Fn+F4
Initiate Standby.	Fn+F5
Initiate QuickLock.	Fn+F6
Decrease display brightness.	Fn+F7
Increase display brightness.	Fn+F8
Play, pause, or resume an audio CD or DVD.	Fn+F9
Stop an audio CD or DVD.	Fn+F10
Play the previous track or chapter on an audio CD or DVD.	Fn+F11
Play the next track on an audio CD or DVD.	Fn+F12

Hotkeys Procedures

To use a hotkeys command on the notebook keyboard, use either of the following procedures:

- Briefly press the **Fn** key, then briefly press the second key of the hotkeys command.
- Press and hold down the **Fn** key, briefly press the second key of the hotkeys command, then release both keys at the same time.

Keyboard

Hotkeys Commands

Open Help and Support Window (Fn+F1)

The **Fn+F1** hotkeys open the Help and Support window. From the Help and Support window you can access general information about your notebook, links to software updates and online technical support specialists, and other support features.

For more information about the Help and Support window, see the “Using the Help and Support Window” section in Chapter 9, “Software Updates, Restorations and Utilities.”

Open Internet Explorer (Fn+F3)

The **Fn+F3** hotkeys open Internet Explorer. After you have set up your Internet or network services and your Internet Explorer home page, you can use the **Fn+F3** hotkeys for quick access to your home page and the Internet.

Switch Image (Fn+F4)

The **Fn+F4** hotkeys switch the image among display devices connected to the external monitor connector or the S-Video jack on the notebook. For example, if an external monitor is connected to the notebook, pressing the **Fn+F4** hotkeys switches the image among the notebook display, the external monitor display, and a simultaneous display on both the notebook and the monitor.

Initiate Standby (Fn+F5)

The **Fn+F5** hotkeys are set by default to initiate Standby. Standby can be initiated only while the notebook is on. If the notebook is in Hibernation, you must restore from Hibernation before you can initiate Standby.

To restore from Hibernation or resume from Standby, briefly press the power button. For more information about using Standby and Hibernation, refer to Chapter 4, “Power.”

For information about changing the function of the **Fn+F5** hotkeys, refer in Chapter 4 to the “Setting Power Control Preferences” section.

Initiate QuickLock (Fn+F6)

The **Fn+F6** hotkeys initiate the operating system QuickLock security feature. The QuickLock feature disables the keyboard and displays the log on screen. QuickLock does not disable the TouchPad.

Before you can use the QuickLock feature, you must set a Windows system password. For instructions, refer to your operating system documentation.

After you have set a Windows system password:

- To initiate QuickLock, press **Fn+F6**.
- To exit QuickLock, enter your Windows system password.

Decrease Brightness (Fn+F7)

The **Fn+F7** hotkeys decrease notebook screen brightness.

Increase Brightness (Fn+F8)

The **Fn+F8** hotkeys increase notebook screen brightness.

Play, Pause, or Resume an Audio CD or DVD (Fn+F9)

The **Fn+F9** hotkeys function only when an audio CD or DVD is inserted. If the audio CD or DVD is

- Not playing, press the **Fn+F9** hotkeys to begin or resume the play.
- Playing, press the **Fn+F9** hotkeys to pause the play.

Keyboard

Stop an Audio CD or DVD (Fn+F10)

The **Fn+F10** hotkeys stop the play of an audio CD or DVD that is playing.

Play Previous Track of an Audio CD or DVD (Fn+F11)

The **Fn+F11** hotkeys play the previously played track of an audio CD or DVD that is playing.

Play Next Track of an Audio CD or DVD (Fn+F12)

The **Fn+F12** hotkeys play the next track of an audio CD or DVD that is playing.

Keypad

The keypad consists of 15 keys that can be used like the keys on an external keypad. When the keypad is turned on, each keypad key performs the functions indicated by the icon in the upper right corner of the key.



Identifying the keypad keys

Turning the Keypad On and Off

When the keypad is off, press **Fn+num lk** ❶ to turn the keypad on. When the keypad is on, press **Fn+num lk** to turn the keypad off. The num lock light ❷ turns on when the keypad is on.



*Identifying the **Fn** and **num lk** keys and the num lock light*

Switching the Functions of Keypad Keys

You can temporarily switch the functions of a keypad key between its standard function and its keypad function.

- To use a key on the keypad as a keypad key while the keypad is turned off, press and hold **Fn** while pressing the key.
- To use a key on the keypad as a standard key while the keypad is turned on:
 - Press and hold **Fn** to type with the key in lowercase.
 - Press and hold **Fn+shift** to type with the key in uppercase.

Releasing the **Fn** key returns a keypad key to its set function. For example, a keypad key returns to its keypad function if the keypad is turned on or to its standard function if the keypad is turned off.



Keyboard

