Notebook Tour
User Guide

XSL Formatter
EVALUATION

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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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XSL Formatter
EVALUATION

Antenna House XSL Formatter (Evaluation) http://www.antennahouse.com/

Table of contents

1 Identifying hardware

2 Components

Top components 2
Lights 2
Buttons, switches, and pointing devices 4
Display components 5
Keys 6
Front components 7
Rear components 8
Right-side components 9
Left-side components 10
Bottom components 12
Wireless antennae 13
Additional hardware components 14

3 Using the tablet

Tablet display components 16
Rotating the display 17
Tablet mode 17
Notebook mode 18

4 Labels

Index 21

XSL Formatter EVALUATION

Antenna House XSL Formatter (Evaluation) http://www.antennahouse.com/

XSL Formatter
EVALUATION

Antenna House XSL Formatter (Evaluation) http://www.antennahouse.com/

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.

NOTE: Windows® includes the User Account Control feature to improve the security of your computer. You may be prompted for your permission or password for tasks such as installing applications, running utilities, or changing Windows settings. Refer to Windows Help for more information.

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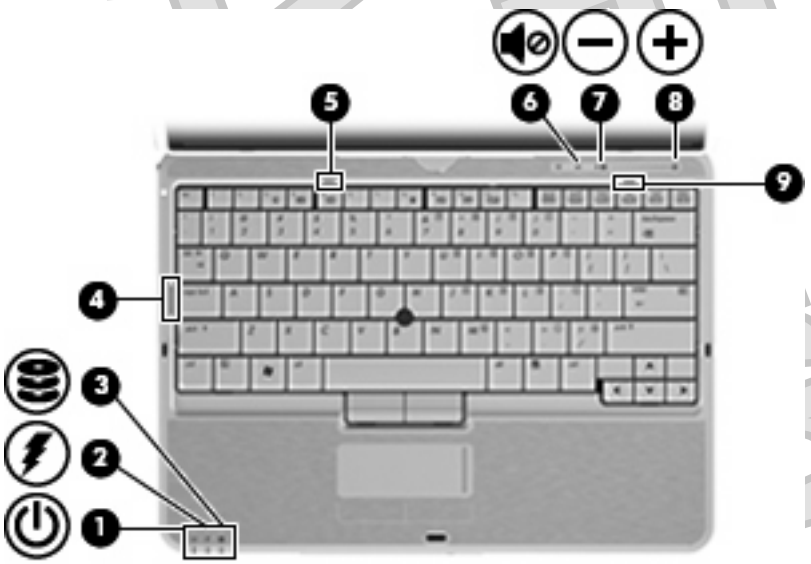
2 Components

Top components

Lights



Component		Description
(1)	Power light	• 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.
(2)	Battery light	• 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

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Component		Description
		source, the light stays off until the battery reaches a low battery level.
(3)	Drive light	• Blinking green: The hard drive is being accessed. • Amber: HP 3D DriveGuard has temporarily parked the internal hard drive.
(4)	Caps lock light	On: Caps lock is on.
(5)	TouchPad light	• White: TouchPad is enabled. • Amber: TouchPad is disabled.
(5)	Volume mute light	• Off: Computer sound is on. • On: Computer sound is off.
(6)	Volume down light	Blinking: The volume scroll zone is being used to decrease speaker volume.
(7)	Volume up light	Blinking: The volume scroll zone is being used to increase speaker volume.
(8)	Num lock light	On: Num lock is on or the embedded numeric keypad is enabled.

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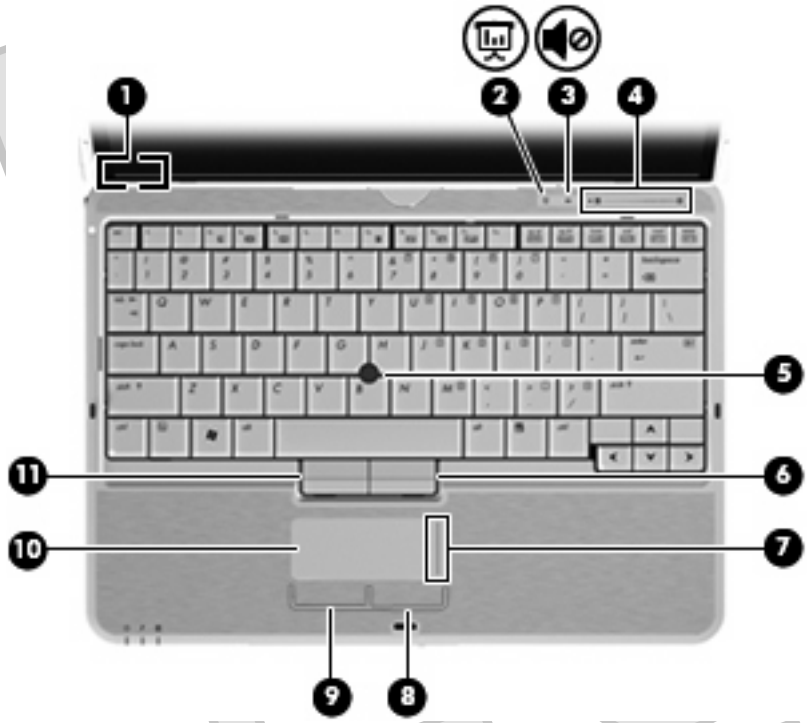
Buttons, switches, and pointing devices



Component		Description
(1)	Internal display switch	Turns off the display if the display is closed while the power is on.
(2)	Presentation button	Starts the presentation feature.
(3)	Volume mute button	Mutes and restores speaker sound.
(4)	Volume scroll zone	Adjusts speaker volume: • To decrease volume, slide your finger across the volume scroll zone from right to left. You can also tap or press the left half of the volume scroll zone. • To increase volume, slide your finger across the volume scroll zone from left to right. You can also tap or press the right half of the volume scroll zone.
(5)	Pointing stick	Moves the pointer and selects or activates items on the screen.
(6)	Right pointing stick button	Functions like the right button on an external mouse.
(7)	TouchPad scroll zone	Scrolls up or down.
(8)	Right TouchPad button	Functions like the right button on an external mouse.
(9)	Left TouchPad button	Functions like the left button on an external mouse.
(10)	TouchPad	Moves the pointer and selects or activates items on the screen.
(11)	Left pointing stick button	Functions like the left button on an external mouse.

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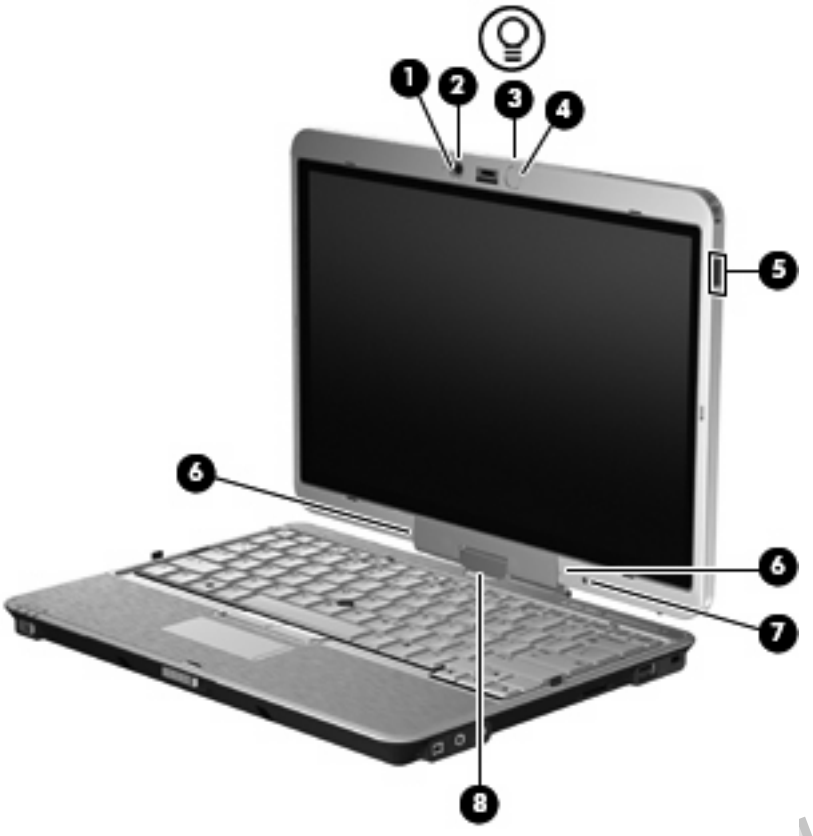
Display components



Component		Description
(1)	Webcam light (select models only)	On: The webcam is recording or streaming video or capturing a still photograph.
(2)	Integrated Webcam (select models only)	Records audio and video and captures still photographs.
(3)	Keyboard light	Illuminates the keyboard in low-light conditions when the keyboard light button is pressed.
(4)	Keyboard light button	Opens and turns on the keyboard light.
(5)	HP Fingerprint Sensor (fingerprint reader)	Allows a fingerprint logon to Windows instead of a password logon.
(6)	Internal microphones (2)	Record sound and transmit sound for video conferencing.
(7)	Ambient light sensor	Automatically adjusts the display brightness based on the lighting conditions in your environment.
(8)	Convertible hinge	Swivels the display and converts the computer from traditional notebook mode into tablet mode or vice versa.

* These controls can be accidentally activated while you are carrying the computer. To disable the controls, press and hold both the Q Menu button and the rotate button for several seconds. To reenable these controls, press and hold both buttons again.

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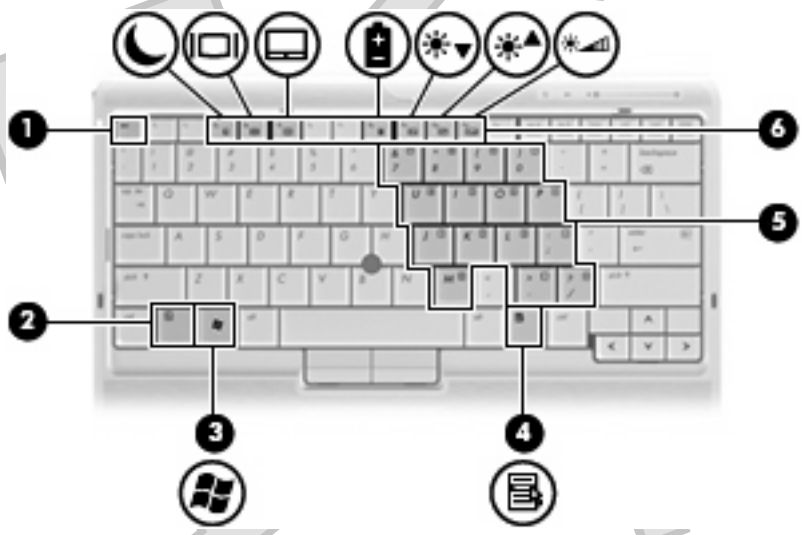
Keys



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.

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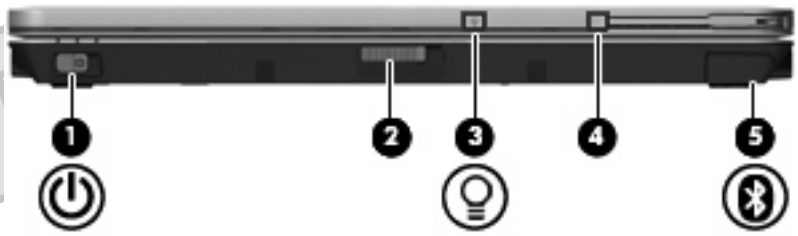
Front components



Component		Description
(1)	Power switch	• 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. 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. To learn more about your power settings, select **Start > Control Panel > System and Maintenance > Power Options**.
(2)	Display release latch	Opens the computer.
(3)	Keyboard light button	Opens and turns on the keyboard light.
(4)	External WWAN antenna button	Opens the external WWAN antenna.
(5)	Bluetooth® compartment	Contains an optional Bluetooth device.

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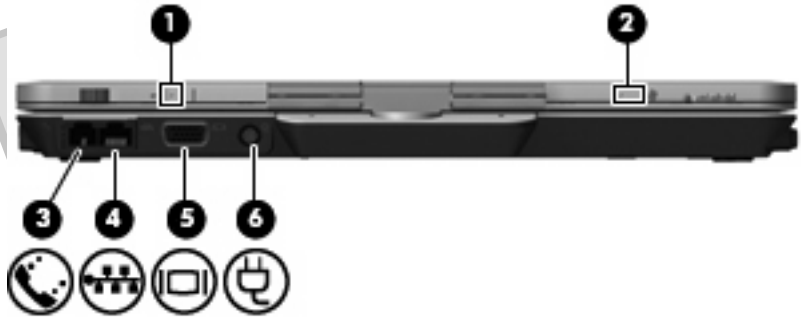
Rear components



Component		Description
(1)	Windows security button*	• While Windows is running, press the button with the pen to enter the ctrl+alt+delete 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.
(2)	Rotate button	Switches the image between landscape and portrait orientation.
(3)	RJ-11 (modem) jack	Connects a modem cable.
(4)	RJ-45 (network) jack	Connects a network cable.
(5)	External monitor port	Connects an external VGA monitor or projector.
(6)	Power connector	Connects an AC adapter.

*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.

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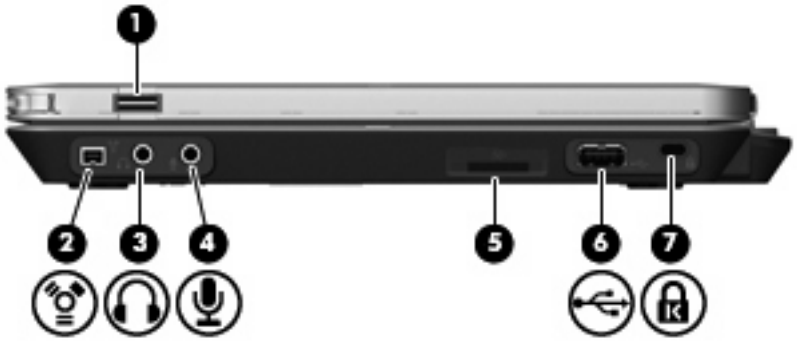
Right-side components



Component		Description
(1)	HP Fingerprint Sensor (fingerprint reader)	Allows a fingerprint logon to Windows instead of a password logon.
(2)	1394 port	Connects an optional IEEE 1394 or 1394a device, such as a camcorder.
(3)	Audio-out (headphone) jack	Produces sound when connected to optional powered stereo speakers, headphones, ear buds, a headset, or television audio.
(4)	Audio-in (microphone) jack	Connects an optional computer headset microphone, stereo array microphone, or monaural microphone.
(5)	Media Card Reader	Supports the following optional digital card formats: Secure Digital (SD) Memory Card and MultiMediaCard (MMC).
(6)	USB port	Connects an optional USB device.
(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.

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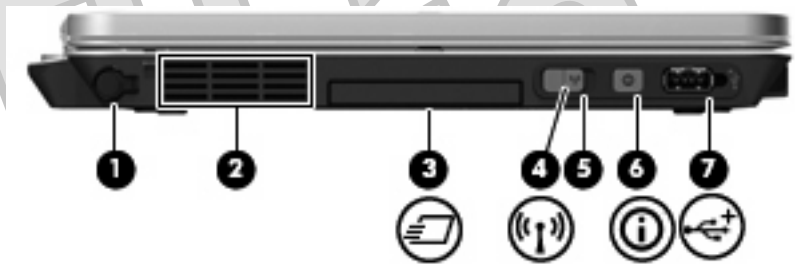
Left-side components

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



Component		Description
(1)	Pen holder	Stores the pen.
(2)	Vent	Enables airflow to cool internal components. **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). **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.
(3)	ExpressCard slot (select models only)	Supports optional ExpressCards.
(4)	Wireless light	• Blue: 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. • Amber: All wireless devices are off.
(5)	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.
(6)	Info button	Launches Info Center, which enables you to open various software solutions.
(7)	Powered USB port	Provides power to a USB device, such as an optional external MultiBay, if used with a powered USB cable.

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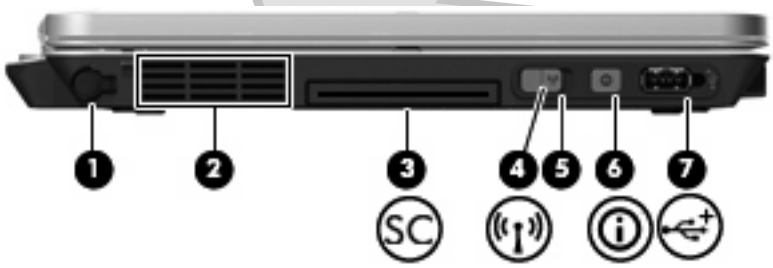

Component		Description
(1)	Pen holder	Stores the pen.
(2)	Vent	Enables airflow to cool internal components. **WARNING!** To reduce the possibility of heat-related injuries or of overheating the computer, do not place the computer directly on your lap or obstruct the computer air vents. Use the computer 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). **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.
(3)	Smart card reader (select models only)	Supports smart cards and Java™ cards.
(4)	Wireless light	• Blue: 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. • Amber: All wireless devices are off.
(5)	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.
(6)	Info button	Launches Info Center, which enables you to open various software solutions.
(7)	Powered USB port	Provides power to a USB device, such as an optional external MultiBay, if used with a powered USB cable.

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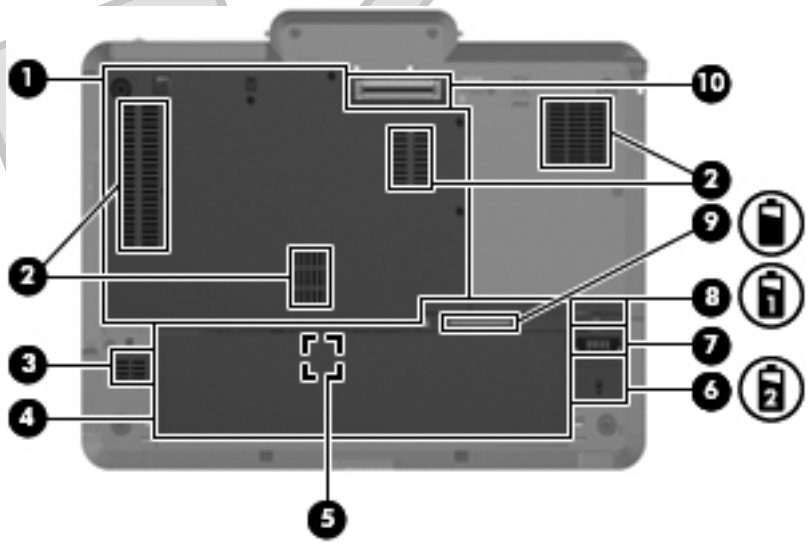
Bottom components



Component		Description
(1)	Hard drive compartment	Holds the hard drive, memory module slots, WLAN module (select models only) and WWAN module (select models only).
(2)	Vents (2)	Enable airflow to cool internal components. **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). **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.
(3)	Speaker	Produces sound.
(4)	Battery bay	Holds the battery.
(5)	SIM slot	Contains a subscriber identity module (SIM). The SIM slot is located inside the battery bay.
(6)	Accessory battery connector door	Slides open to expose the accessory battery connector.
(7)	Accessory battery connector	Connects an optional accessory battery.
(8)	Battery release latch	Releases the battery from the battery bay.
(9)	Charge level indicator	Displays the approximate remaining battery charge.
(10)	Docking connector	Connects an optional docking device.

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Wireless antennae

On select computer models, wireless antennae send and receive signals from one or more wireless devices. These antennae are not visible from the outside of the computer.

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

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.

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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 region and country.

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3 Using the tablet

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Tablet display components

Component		Description
(1)	Windows security button*	When pressed while • Windows is open, enters the ctrl+alt+delete command.** • Computer Setup utility is open, enters the reset command.
(2)	Convertible hinge	Swivels the display and converts the computer from traditional notebook mode into tablet mode or vice versa.
(3)	Jog dial*	Functions like the enter key and the up and down arrow keys on a standard keyboard: • Press inward to enter a command. • Rotate up to scroll up. • Rotate down to scroll down.
(4)	Pen holder	Stores the pen.

*This table describes default settings. For information about changing the functions of the Windows security button and jog dial, select **Start** > **Control Panel** > **Hardware and Sound** > **Tablet PC Settings**.

**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.

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Rotating the display

The computer display can rotate from traditional notebook mode to tablet mode

NOTE: When the computer is docked in either notebook mode or tablet mode, the display will not rotate.

Tablet mode

To change the computer from notebook mode to tablet mode:

1. Slide the display release latch to release the display, then open the computer display.
2. Rotate the computer display clockwise until it snaps into place facing away from the keyboard.

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3. Tilt the computer display downward onto the keyboard until it snaps into place.

In tablet mode, the screen display automatically rotates from portrait to landscape as it is being turned.

NOTE: If antennae on the computer are held in close proximity to the body, the antennae may disable automatic rotation of the screen display.

Notebook mode

To change the computer from tablet mode to notebook mode:

1. Slide the display release latch **(1)**.

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2. Open the computer display **(2)**.

3. Rotate the computer display counterclockwise until it snaps into place facing the keyboard.

NOTE: To prevent a lack of response when you turn on the computer, make sure the battery is firmly seated.

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4 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 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 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 battery bay.
- 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 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 battery bay and the hard drive bay.
- 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.

Antenna House XSL Formatter (Evaluation) http://www.antennahouse.com/

Index

Symbols/Numerics

1394 port, identifying 9

A

AC adapter, identifying 14
accessory battery connector, identifying 12
ambient light sensor, identifying 5
applications key, Windows 6
audio-in (microphone) jack, identifying 9
audio-out (headphone) jack, identifying 9

B

battery bay 12, 20
battery light, identifying 2
battery release latch, identifying 12
battery, identifying 14
bays
  battery 12, 20
Bluetooth compartment, identifying 7
Bluetooth label 20
buttons
  external WWAN antenna 7
  keyboard light 5, 7
  Presentation 4
  rotate 8
  TouchPad 4
  volume mute 4
  Windows security 8, 16

C

caps lock light, identifying 3
Certificate of Authenticity label 20
charge level indicator, identifying 12
compartments
  hard drive 12
  memory module 12
  wireless devices 12
components
  additional hardware 14
  bottom 12
  display 5
  front 7
  left-side 10
  rear 8
  right-side 9
  top 2
  wireless antennae 13
connector, power 8
convertible hinge, identifying 5, 16
cord, power 14

D

display
  notebook mode 18
  rotating 17
  tablet mode 17
display release latch, identifying 7
display switch, identifying 4
docking connector, identifying 12
drive light, identifying 3

E

esc key, identifying 6
ExpressCard slot 10
external monitor port, identifying 8
external WWAN antenna button, identifying 7
external WWAN antenna, identifying 13

F

fingerprint reader, identifying 5, 9
fn key, identifying 6
function keys, identifying 6

H

hard drive compartment, identifying 12
headphone (audio-out) jack 9
hinge, convertible 5, 16
holder, pen 16
HP Broadband Wireless Module serial number label 20

I

IEEE 1394 port, identifying 9
internal display switch, identifying 4
internal microphone, identifying 5

J

jacks
  audio-in (microphone) 9
  audio-out (headphone) 9
  RJ-11 (modem) 8
  RJ-45 (network 8
Jog dial 16

K

keyboard light button, identifying 5, 7
keyboard light, identifying 5
keypad keys, identifying 6
keys
  esc 6
  fn 6
  function 6
  keypad 6

XSL Formatter EVALUATION

Antenna House XSL Formatter (Evaluation) http://www.antennahouse.com/

Windows applications 6
Windows logo 6

L

labels
Bluetooth 20
HP Broadband 20
Microsoft Certificate of Authenticity 20
modem approval 20
regulatory 20
service tag 20
SIM 20
wireless certification 20
WLAN 20
latch, battery release 12
lights
battery 2
caps lock 3
drive 3
keyboard 5
mute 3
num lock 3
power 2
TouchPad 3
volume down 3
volume mute 3
volume up 3
webcam 5
wireless 10, 11

M

Media Card Reader, identifying 9
memory module compartment 12
microphone (audio-in) jack 9
microphone, internal 5
Microsoft Certificate of Authenticity label 20
modem approval label 20
monitor port, external 8
mute button, identifying 4
mute light, identifying 3

N

num lock light, identifying 3

O

operating system
Microsoft Certificate of Authenticity label 20
Product Key 20

P

pen holder 10, 16
pen holder, identifying 11
pointing stick buttons, identifying 4
pointing stick, identifying 4
ports
1394 9
external monitor 8
USB 9
power connector, identifying 8
power cord, identifying 14
power light, identifying 2
Presentation button, identifying 4
Product Key 20
product name and number, computer 20

R

reader, fingerprint 5, 9
regulatory information
modem approval label 20
regulatory label 20
wireless certification labels 20
release latch, battery 12
RJ-11 (modem) jack, identifying 8
RJ-45 (network) jack, identifying 8
rotate button 8

S

security cable slot, identifying 9
serial number, computer 20
service tag 20
SIM label 20
SIM slot, identifying 12
slots
ExpressCard 10
Media Card Reader 9
smart card reader, identifying 11
speaker, identifying 12
switches
wireless 10, 11

T

tablet display components 16
TouchPad buttons 4
TouchPad light 3
TouchPad scroll zone 4
TouchPad, identifying 4
traveling with the computer
modem approval label 20
wireless certification labels 20

U

USB port, powered 10, 11
USB ports, identifying 9

V

vent 10, 11
vents, identifying 12
volume down light, identifying 3
volume mute button, identifying 4
volume mute light, identifying 3
volume scroll zone, identifying 4
volume up light, identifying 3

W

webcam light, identifying 5
webcam, identifying 5
Windows applications key, identifying 6
Windows logo key, identifying 6
Windows security button 16
Windows security button, identifying 8
wireless certification label 20
wireless device compartment 12
wireless light, identifying 10, 11
wireless switch, identifying 10, 11
WLAN antenna, identifying 13
WLAN device 20
WLAN label 20
WWAN antenna, identifying 13

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