

The background is a light gray gradient. There are several gray circles of different sizes scattered across the upper half of the page. A light gray rectangular box is positioned in the lower right quadrant, containing the text 'User Manual'.

User Manual

■ Notice

The illustrations in this user's manual are for reference only. Actual product specifications may vary with territories.

The information in this user's manual is subject to change without notice.

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Reverse engineering or disassembly is prohibited.

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Preface

■ 1.1 Regulations Information

• FCC-B Radio Frequency Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



CAUTION: Any changes or modifications not expressly approved by the guarantee of this device could void the user's authority to operate the equipment.

- CE compliance

This device is classed as a technical information equipment (ITE) in class B and is intended for use in living room and office. The CE-mark approves the conformity by the EU-guidelines:

- EMV-guideline 89/336/EEG electromagnetic tolerance
- LVD-guideline 73/23/EEG use of electric devices within certain voltage-limits

■ 1.2 Safety Instructions

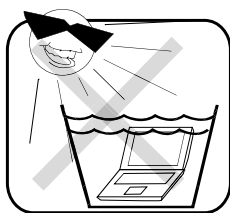
The following safety precautions will increase the life of the Computer. Follow all Precautions and instructions.



Do not place this device underneath heavy loads or in an unstable position.



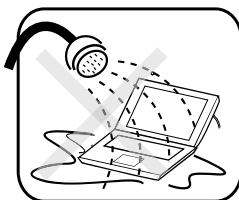
Do not use or expose this device around magnetic fields as magnetic interference may affect the performance of the device.



Do not expose this device to high levels of direct sunlight, high-humidity or wet conditions.



Do not block the air vents to this device or impede the airflow in any way.



Do NOT expose to or use near liquid, rain, or moisture.

Do NOT use the modem during electrical storms.

- The unit can be operated at an ambient temperature of max. 35°C (95°F). Do not subject it to temperatures below 5°C (41°F) or above 35°C (95°F).
- CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

■ 1.3 Notes for this Manual



CAUTION! Important information that must be followed for safe operation.



NOTE : Information for special situations.

■ 1.4 Release History

Version	Revision Note	Date
1.0	First Released	09.2013

Getting to know the basics

■ 2.1 Product Specification

This User's Manual provides instructions and illustrations on how to operate this notebook. It is recommended to read this manual carefully before using this notebook.

• Physical Characteristic (Optional)

Dimension	338.6 x 246 x 26.5~32.5 mm (w/o rubber foot) 383.3 x 265.9 x 23.5~28.3/31.2 mm (battery bump out ; w/o rubber foot)
Weight	1.85~1.90kg w/4-cell or 1.95kg w/6-cell (depend upon the actually shipping product)

• CPU

Support Processor	AMD Kabini
-------------------	------------

• Memory (Optional)

DDRIII	DDR3 1066/1333 MHz, RAM socket x1 DDR3 1600/1333 MHz, RAM socket x1
--------	--

• Power (Optional)

AC Adapter	40 Watts, 2 Pin / 3Pin
Battery	Li-ion Battery

• Storage

HDD	2.5" SATA HDD support
Card reader	Card Reader Card

• Optical Device (Optional)

ODD	9.5 / 12.7mm SATA ODD support
-----	-------------------------------

• I/O Port

DC-in	x 1
USB	2.0 x 2 + 3.0 x 1
RJ45	x 1
Phone jacks (Optional)	x 1 (microphone+headphone)
Card Reader	x 1 (SD/MS/MS pro)
HDMI (Optional)	x 1
Kensington lock	x 1

• Audio (Optional)

Audio Codec	Azalia standard support, D3 mode support
Speaker/MIC	Build-in 1 or 2 speakers and internal MIC support

• Input (Optional)

Keyboard	Standard NB KB
Pointing Device	PS2 Touch Pad with 2 buttons PS2 +SMBus ClickPad with 1 button

• Display (Optional)

VGA	Integrated HD Graphics
LCD	14.0" / 15.6" HD, 16:9 LED type, resolution 1366 x 768

• Communication Port

LAN	10/100/1000 Mb/Sec
Wireless LAN (Optional)	IEEE802.11b/g/n support
Bluetooth (Optional)	BT 4.0 USB interface support

• Webcam

HD webcam	Build-in Webcam module
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CAUTION:

MODEL IS DESIGNED TO USE WITH THE DC INPUT: 19V/

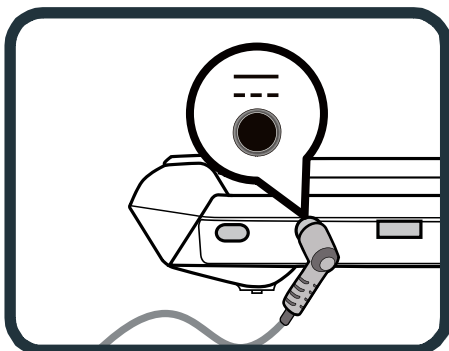
2.1A Power Supply Adapter(PSA).

PSA have to be evaluated according to IEC 60950-1:2005+A1:2009 and

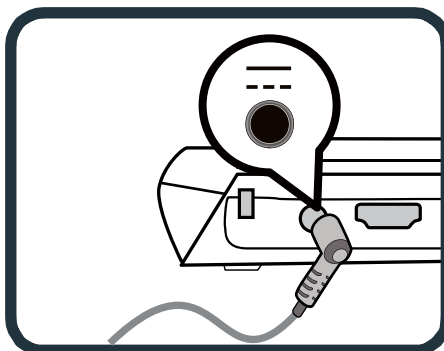
Where applicable, according to national differences of countries where they are used e.g.:for international approval procedures.

■ 2.2 Preparing your Computer

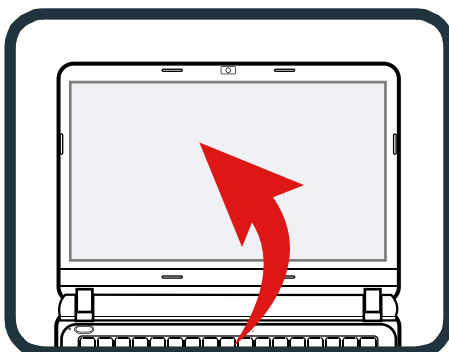
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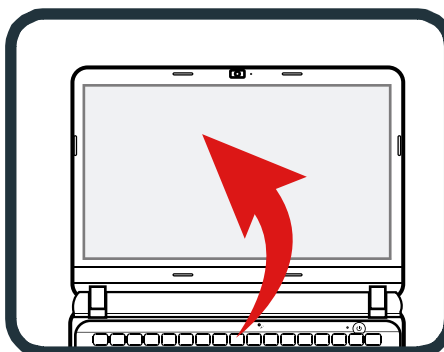
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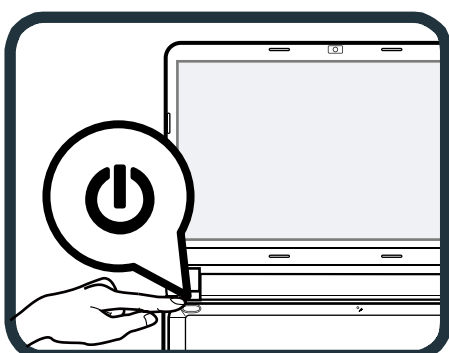
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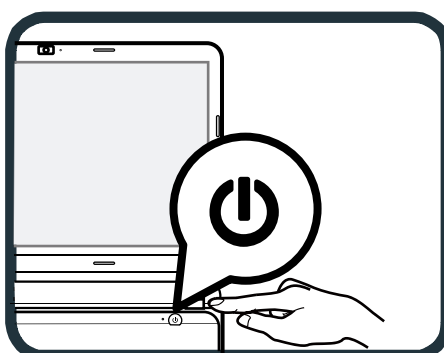
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3




3



- 1 Plug the AC adapter cable into the DC power connector.
- 2 To open your notebook computer.
- 3 Press the power button to turn on your notebook computer.

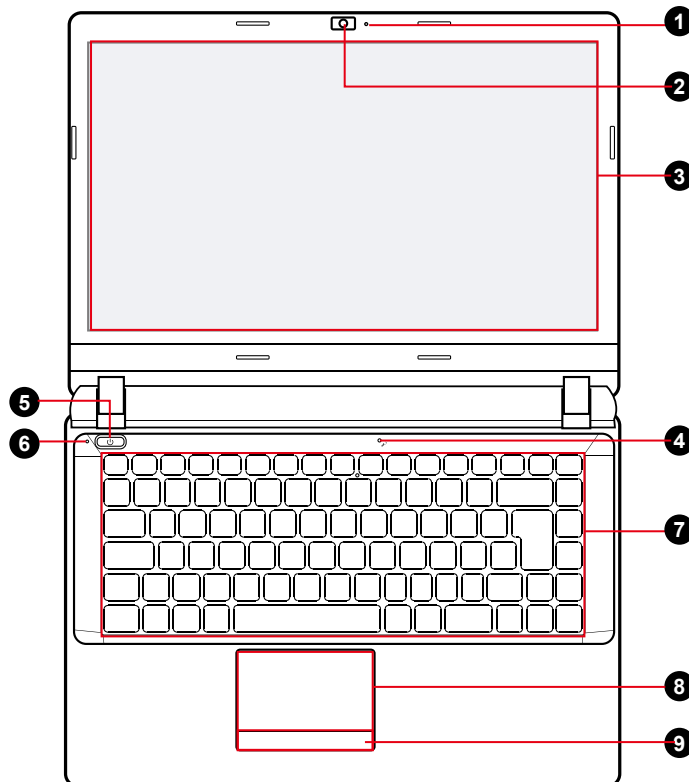
■ 2.3 Product Overview

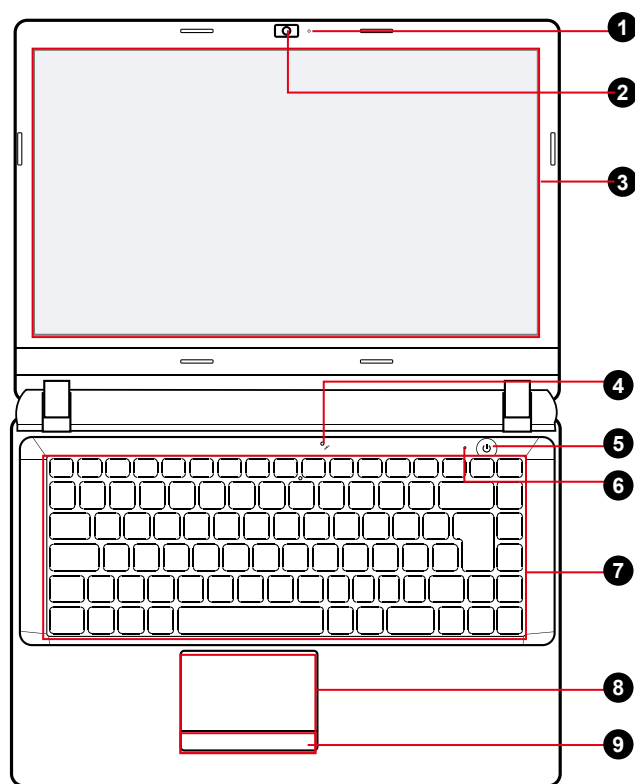
This section provides the description of basic aspects of the notebook.

 NOTE: The product's color, I/O port, indicator location, and specification will depend upon the actually shipping product.



■ 2.3.1 Top-Open View (Optional)

The figure of top-open view and description shown below will lead you to browse the main operating area of your notebook.






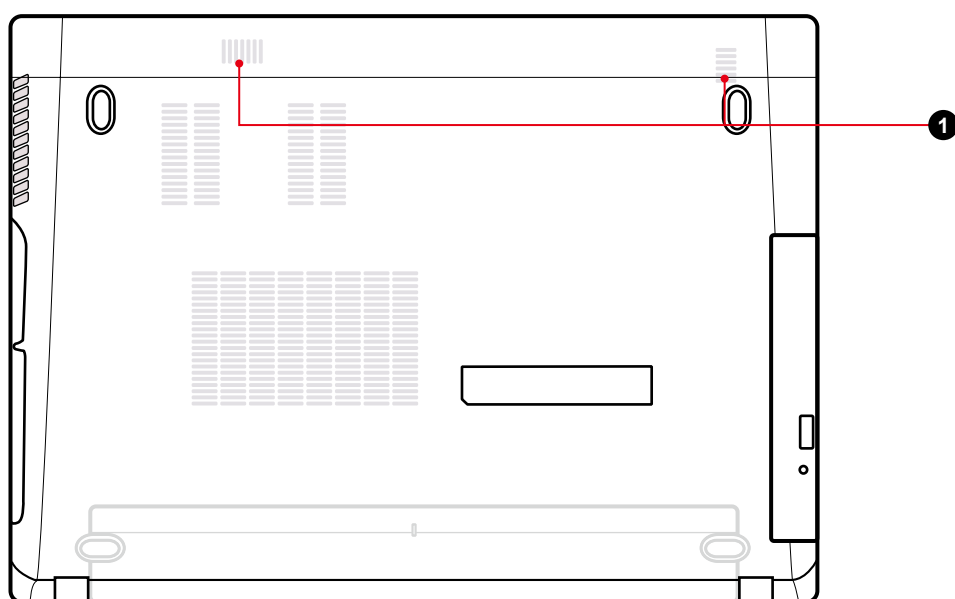
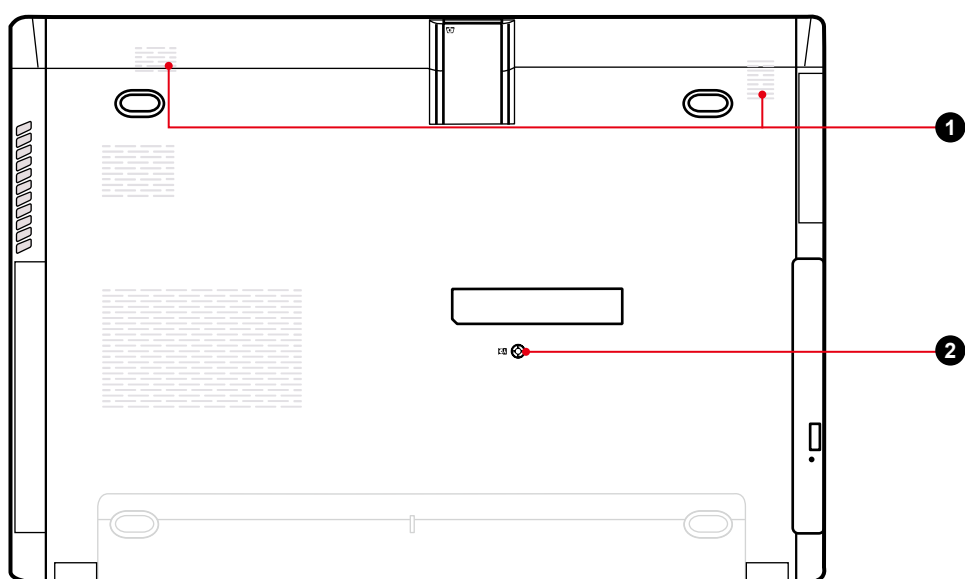
CAUTION: When you are not using the computer, keep the LCD screen closed to protect it from dust.



Top Side Components		Function Description										
1	Camera Status LED	The Camera indicator shows the Camera status.										
2	Webcam	The built-in Webcam allows picture taking or video recording.										
3	LCD screen	Displays of your notebook computer.										
4	Microphone	 Built-in microphone.										
5	Power Button	 Turns on the power of your notebook computer.										
6	Power Status LED	The Power indicator shows the Power status. <table><tr><th>Status</th><th>Color</th></tr><tr><td>Power On</td><td>Blue</td></tr><tr><td>Suspend</td><td>Blinking blue</td></tr><tr><td>Charging</td><td>Purple@power on, Red@power off</td></tr><tr><td>Battery Low(<6%)</td><td>Interlaced blinking blue&purple</td></tr></table>	Status	Color	Power On	Blue	Suspend	Blinking blue	Charging	Purple@power on, Red@power off	Battery Low(<6%)	Interlaced blinking blue&purple
Status	Color											
Power On	Blue											
Suspend	Blinking blue											
Charging	Purple@power on, Red@power off											
Battery Low(<6%)	Interlaced blinking blue&purple											
7	Keyboard	The keyboard provides keys with comfortable travel.										
8	Touchpad/Click pad	Touch-sensitive pointing device which functions like the mouse.										
9	Left and right touchpad/Clickpad buttons	The left and right buttons function like the left and right buttons on a standard mouse.										

■ 2.3.2 Bottom Side View (Optional)

Refer to the following illustration to identify the components on this side of the computer.

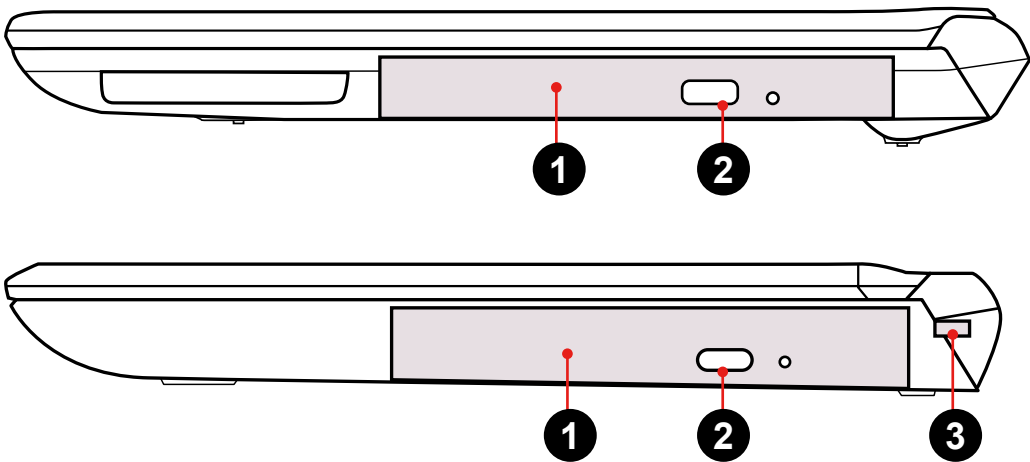
 NOTE : The product's thermal vent will depend upon the actually shipping product.



Top Side Components		Function Description
1	Stereo speakers	Produce stereo sound.
2	ODD screws maintenance hole	 Remove the screw for exiting the ODD.
<p>WARNING :</p> <p>NO USER SERVICEABLE PARTS INSIDE.</p> <p>PLEASE CONTACT THE QUALIFIED PERSONNEL FOR AFTER-SALES SERVICING.</p>		
 CAUTION: Do not put the computer on your LAP or other Parts of the body to avoid injury from the heat.		

■ 2.3.3 Right Side View (Optional)

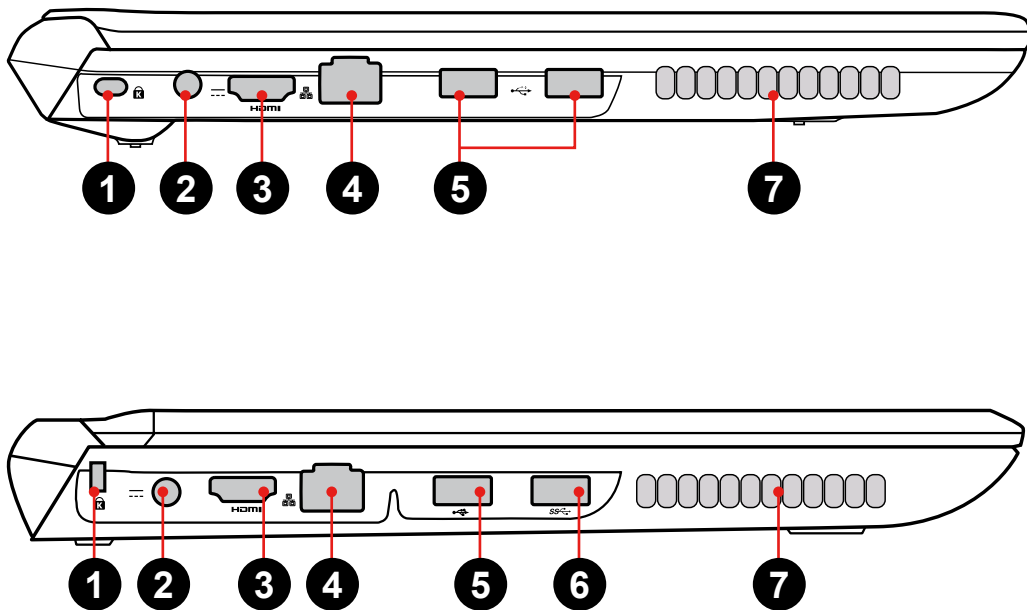
Refer to the following illustration to identify the components on this side of the computer.









Top Side Components		Function Description
1	Optical drive	Slot for inserting a disc.
2	Eject button	Ejects the CD/DVD disc.
3	Kensington® Lock Port (Optional)	To be secured using Kensington® Lock Port security products.

■ 2.3.4 Left Side View (Optional)

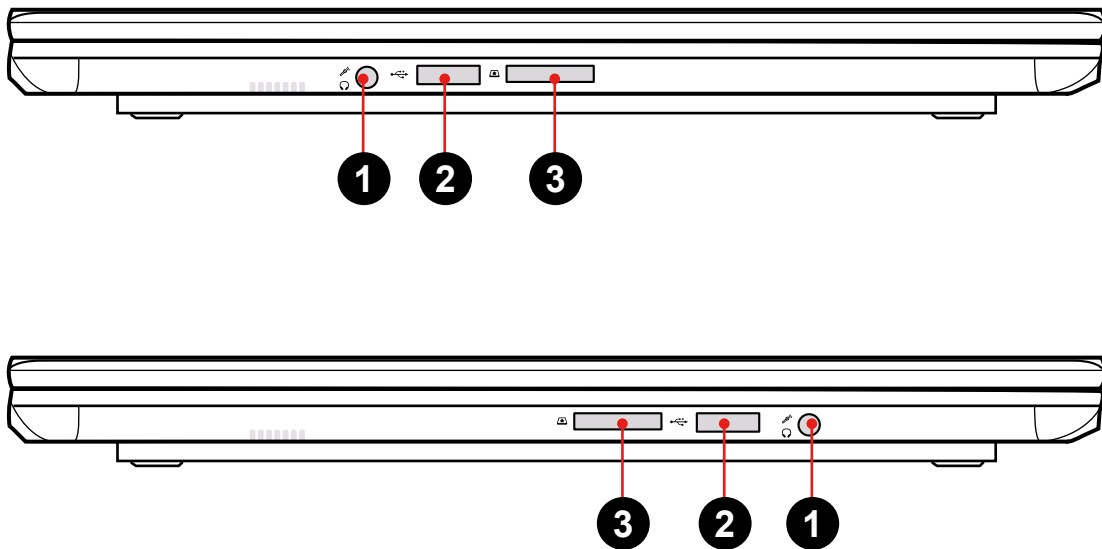
Refer to the following illustration to identify the components on this side of the computer.






Top Side Components	Function Description
1 Kensington® Lock Port (Optional)	 To be secured using Kensington® Lock Port security products.
2 Power Connector	 Connects the AC adapter into this connector.
3 HDMI Port	 Connects an external monitor.
4 Network Jack	 Connects network.
5 USB Ports	 Connects an USB device. (such as USB Zip drive, keyboard or mouse) into this jack.
6 USB Port	 Connects an USB device (such as USB Zip drive, keyboard or mouse) into this jack.
<p>-Intelligent charging for external USB device in power off mode. (Press power button in 5secs when power off, than the USB LED indicator is brightness, the charging function is enable. Press power button in 1sec, it can be disable the charging function.)</p> <p>-Enhance USB power from 500mA to 1.5A</p>	
7 Vent	Thermal Vent.

■ 2.3.5 Front Side View

Refer to the following illustration to identify the components on this side of the computer.



Top Side Components	Function Description
1 Headphone and Microphone jack	 Connects amplified speakers, headphones or microphone into this jack.
2 USB Ports	 Connects an USB device. (such as USB Zip drive, keyboard or mouse) into this jack.
3 Card Reader	 SD/MS/MS Pro Memory Card.

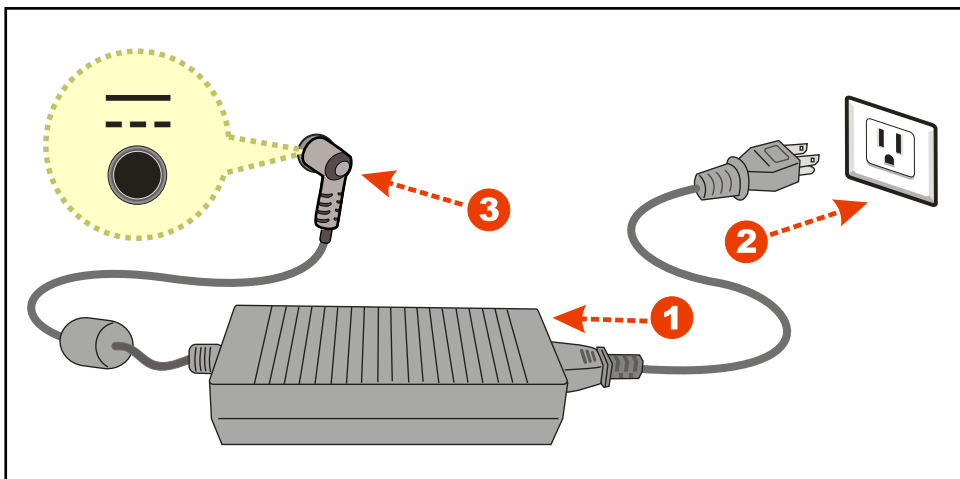
Getting Started

■ 3.1 AC Adapter (Optional)

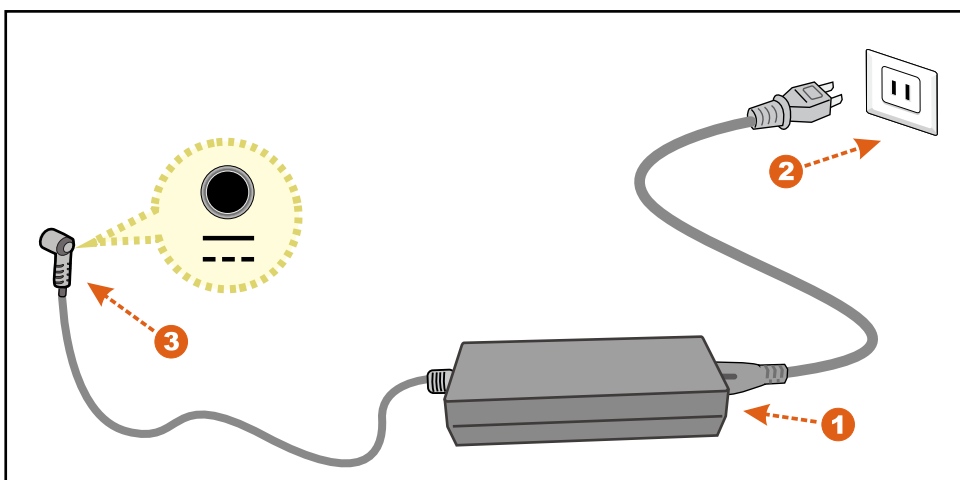
Please be noted that it is strongly recommended to connect the AC adapter and use the AC power while using this notebook for the first time. When the AC adapter is connected, the battery is being charged immediately.

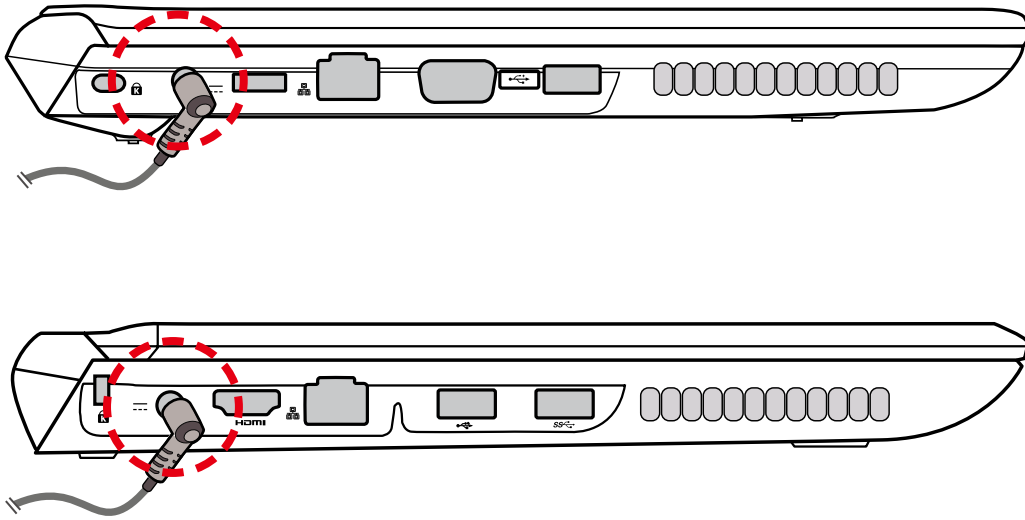
Note that the AC adapter included in the package is approved for your notebook; using other adapter model may damage either the notebook or other devices attached to it.

3 Pin :



2 Pin :





CAUTION: Do not use inferior extension cords as this may result in damage to your notebook. The notebook comes with its own AC adapter. Do not use a different adapter to power the computer and other electrical devices.



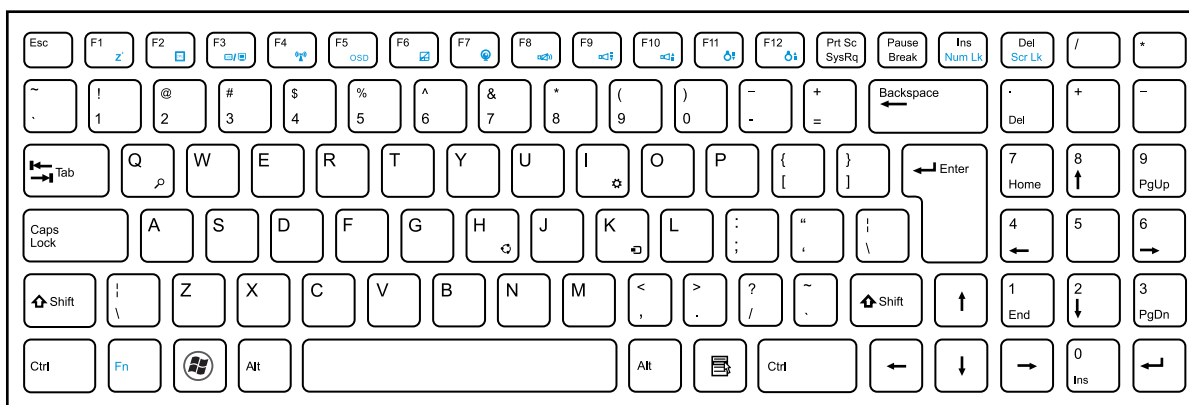
NOTE: The power adapter may become warm to hot when in use. Be sure not to cover the adapter and keep it away from your body.

■ 3.2 Knowing the Keyboard

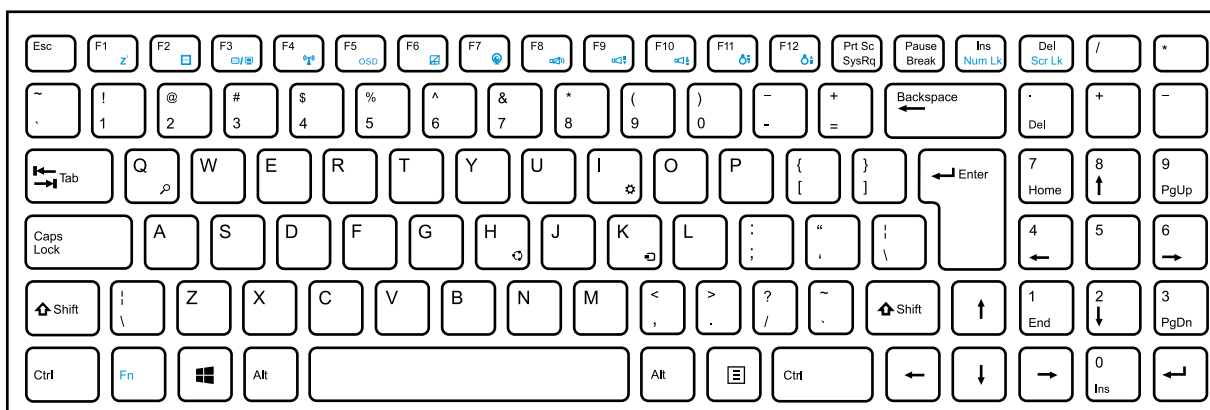
The following defines the colored hot keys on the Keyboard.

The colored commands can only be accessed by first pressing and holding the function key while pressing a key with a colored command.

• Keyboard for Windows 7/XP :



• Keyboard for Windows 8 :


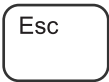

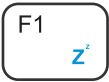

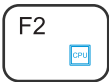






 **NOTE:** The keyboard differs for each territory.

■ 3.2.1 Windows 7/ XP for keyboard users

















To activate these functions, press and hold down <Fn> together with the keys described below:

■ Function Keys

Keypad		Function Description	
		BT on/off: (Optional)	Press this key combination (Fn+Esc) to enter BTon/off mode.
	+ 	Suspend:	Press this key combination (Fn+F1) to enter sleep mode.
	+ 	Power Saving:	Press this key combination (Fn+F2) to enter power saving mode (CPU will keep the lowest speed).
	+ 	LCD/CRT/ HDMI mode:	Press this key combination (Fn+F3) to enter LCD/CRT/HDMI mode. Changes Display Mode: LCD only, LCD+ CRT, CRT only, HDMI+CRT, HDMI only, LCD+HDMI simultaneously.
	+ 	WLAN on/off:	Press this key combination (Fn+F4) to enter WLAN on/off mode.

“When users disable WLAN function, WLAN device will be removed from Windows Device Manager or not is depending on WLAN module itself power design.”











■ Function Keys

Keypad	Function Description	
 + 	OSD: (on screen display):	Press this key combination (Fn+F5) to show a OSD bar for knowing the definition of function keys.
 + 	Touch pad:	Press this key combination (Fn+F6) to enter Touch pad mode.
 + 	Webcam on/off:	Press this key combination (Fn+F7) to enter Webcam on/off mode.
 + 	MUTE:	Press this key combination (Fn+F8) to enter MUTE mode.
 + 	Volume down:	Press this key combination (Fn+F9) to enter Volume down mode.
 + 	Volume up:	Press this key combination (Fn+F10) to enter Volume up mode.
 + 	Brightness down:	Press this key combination (Fn+F11) to decrease brightness of LCD display.
 + 	Brightness up:	Press this key combination (Fn+F12) to increase brightness of LCD display.




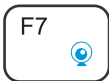









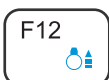
■ 3.2.2 Windows 8 for keyboard users

To activate these functions, press and hold down <Fn> together with the keys described below:


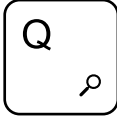

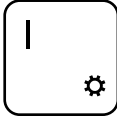

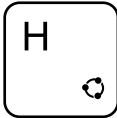

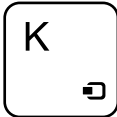
■ Function Keys

Keypad	Function Description
 + 	Suspend: Press this key combination (Fn+F1) to enter sleep mode.
 + 	Power Saving: Press this key combination (Fn+F2) to enter power saving mode (CPU will keep the lowest speed).
 + 	LCD/CRT/HDMI mode: Press this key combination (Fn+F3) to enter LCD/CRT/HDMI mode. Changes Display Mode: LCD only, LCD+ CRT, CRT only, HDMI+CRT, HDMI only, LCD+HDMI simultaneously.
 + 	RADIO on/off: Press this key combination (Fn+F4) to turn all radios on or off.
Annotation: FN+F4 is combo key for Bluetooth and WIFI function on/off. OSD instruction will show WIFI icon only.	
 + 	OSD: (on screen display): Press this key combination (Fn+F5) to show a OSD bar for knowing the definition of function keys.

■ Function Keys

Keypad	Function Description	
 + 	Touch pad:	Press this key combination (Fn+F6) to enter Touch pad mode.
 + 	Webcam on/off:	Press this key combination (Fn+F7) to enter Webcam on/off mode.
 + 	MUTE:	Press this key combination (Fn+F8) to enter MUTE mode.
 + 	Volume down:	Press this key combination (Fn+F9) to enter Volume down mode.
 + 	Volume up:	Press this key combination (Fn+F10) to enter Volume up mode.
 + 	Brightness down:	Press this key combination (Fn+F11) to decrease brightness of LCD display.
 + 	Brightness up:	Press this key combination (Fn+F12) to increase brightness of LCD display.

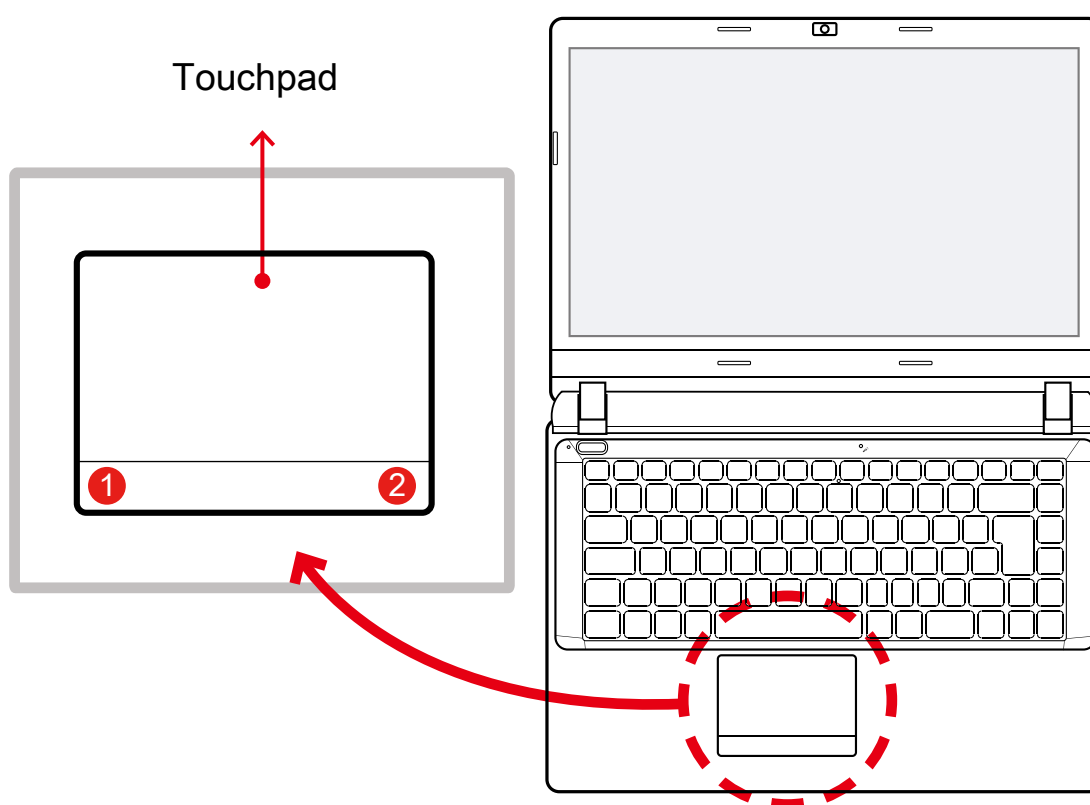
■ Function Keys

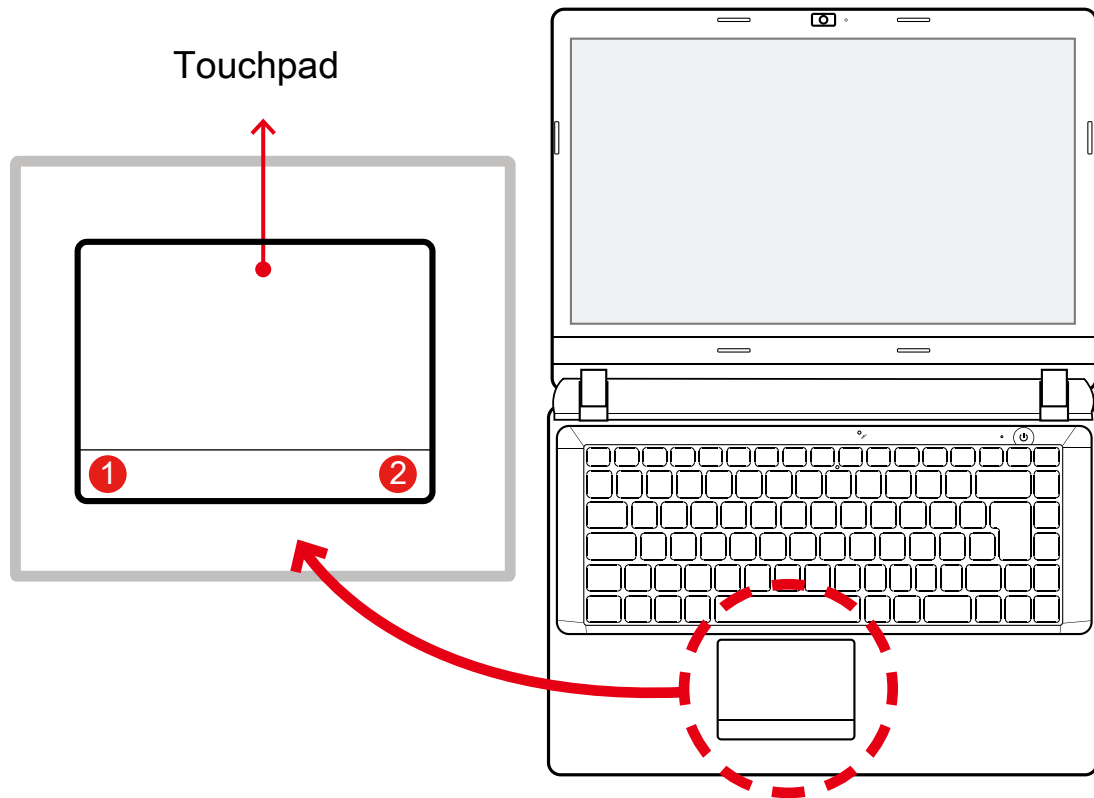
Keypad	Function Description	
 + 	Search Charm : (Optional)	Press this key combination (Windows logo key+Q) to open the search charm and search apps.
 + 	Settings Charm : (Optional)	Press this key combination (Windows logo key+I) to open the settings charm.
 + 	Share Charm : (Optional)	Press this key combination (Windows logo key+H) to open the share charm.
 + 	Devices Charm : (Optional)	Press this key combination (Windows logo key+K) to open the devices charm.

■ 3.3 Using the touchpad / clickpad

The touchpad / clickpad is a rectangular electronic panel located just below your keyboard. You can use the static-sensitive panel of the touchpad / clickpad and slide it to move the cursor. You can use the buttons below the touchpad as left and right mouse

Press the left **1** and right **2** buttons located on the edge of the touchpad / clickpad to make selections and run functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the touchpad / clickpad produces similar results.

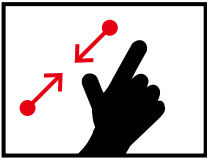
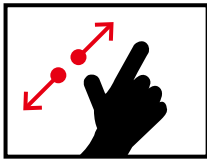


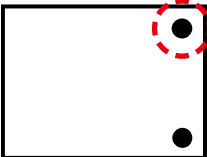
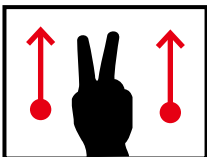
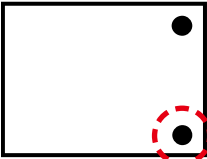
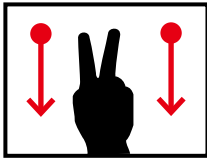
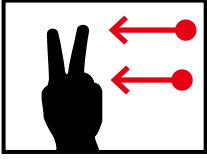
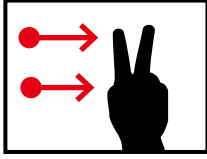


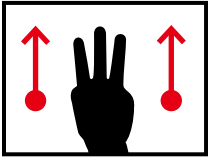
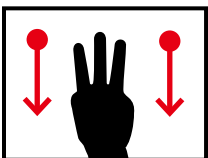
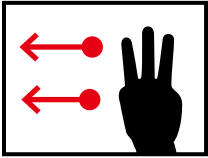
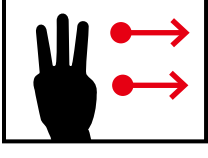


CAUTION: Keep your fingers dry and clean while using the touchpad. Also keep the touchpad dry and clean. The touchpad is sensitive to finger movements. Therefore, the lighter the touch, the better the response. Tapping too hard will not increase the touchpad's responsiveness.

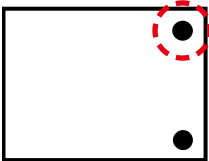
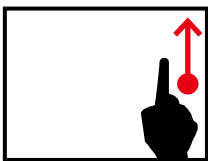
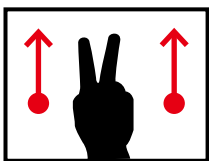
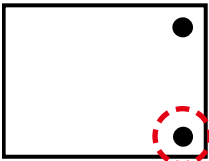
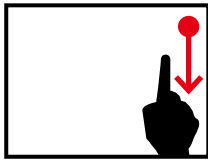
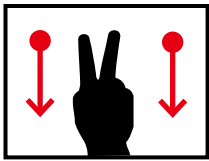
■ 3.3.1 Windows 7/ XP Touchpad Usage

■ Multi-finger gesture input

Finger gesture	Function Description	
Zooming In/Out		
	Zooming In	Zooming Out
Rotation		
	Rotating Left	Rotating Right
Scroll Up		or 
	On-pad Scroll	Two-finger Up
Scroll Down		or 
	On-pad Scroll	Two-finger Down
Scroll Left/Right		
	Two-finger Left	Two-finger Right

Finger gesture	Function Description
Play Slide Show	 <p>Three-finger Up</p>
End Slide Show	 <p>Three-finger Down</p>
Page Up	 <p>Three-finger Left</p>
Page Down	 <p>Three-finger Right</p>

If users do not install Touchpad gesture driver, then they could follow below finger gesture to execute Touchpad scrolling up and down function.

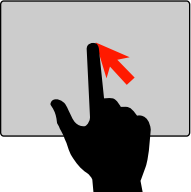
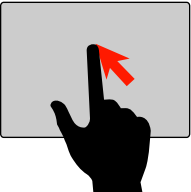
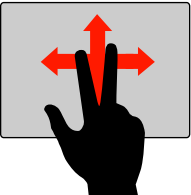
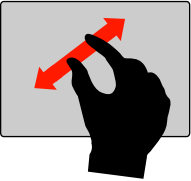

Finger gesture	Function Description				
Scroll Up		or		or	
	On-pad Scroll	One-finger Up	Two-finger Up		
Scroll Down		or		or	
	On-pad Scroll	One-finger Down	Two-finger Down		

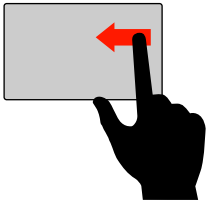


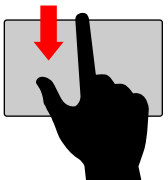


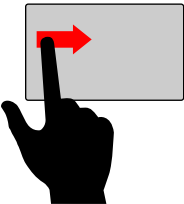


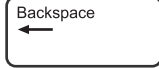
■ 3.3.2 Windows 8 Touchpad Usage

■ Win8 Touch Pad Gesture

Modern touchpad gesture:

A Windows 8 modern touchpad should support the core touch gestures described in the following table.

Finger gesture		Function Description
Single-finger Slides		Mouse cursor manipulation
Single/two-finger tap, double tap		Primary button click, double click at cursor location
Two-finger Slides		Horizontal or vertical scroll (mouse wheel)
Two-finger Pinch		Zoom ( + mouse wheel)

Finger gesture	Function Description
<p data-bbox="188 504 422 593">Swipe in from the right edge</p> 	<p data-bbox="917 492 1236 537">Toggle the charms</p> <p data-bbox="917 560 1149 649">( + )</p>
<p data-bbox="188 817 478 907">Swipe down from the top edge</p> 	<p data-bbox="917 795 1364 840">Toggle the app commands</p> <p data-bbox="917 862 1149 952">( + )</p>
<p data-bbox="188 1120 422 1209">Swipe in from the left edge</p> 	<p data-bbox="917 1108 1332 1153">Switch to last application</p> <p data-bbox="917 1176 1372 1265">( +  + )</p>

BIOS SETUP

■ 4.1 About BIOS Setup

■ 4.1.1 When to Use BIOS Setup ?

You may need to run the BIOS Setup when:

- An error message appears on the screen during the system booting up and is requested to run SETUP.
- You want to change the default settings for customized features.
- You want to reload the default BIOS settings.

■ 4.1.2 How to Run BIOS Setup ?


To run the BIOS Setup Utility, turn on the notebook and press the [Del] key during the POST procedure.

If the message disappears before you respond and you still wish to enter Setup, either restart the system by turning it OFF and ON, or simultaneously pressing [Ctrl]+[Alt]+[Del] keys to restart.

Be noted that the screen snaps and setting options in this chapter are for your references only. The actual setting screens and options on your Notebook may be different because of BIOS update.

The setup function only can be invoked by pressing [Del] or [F2] key during POST that provide a approach to change some setting and configuration the user prefer, and the changed values will save in the NVRAM and will take effect after the system rebooted. The setup uses a menu interface to allow the user to configure their system and the features are briefly listed as follow.

Press [F7] key for Boot Menu.

 NOTE : The drivers, BIOS and utilities bundled in the support DVD may vary by models and are subject to change without notice.

■ 4.2 BIOS Setup Menu

Once you enter the BIOS Setup Utility, the Main Menu will appear on the screen. Select the tags to enter the other menus.

Main Menu

Show system overview about memory size, main HDD or ODD and setting of system time and date.

Advanced Menu

To select the XD feature enable or disable XD feature only work with Intel platform + Windows.

Security Menu

Install or clear the password settings for supervisor and user.

Boot Menu

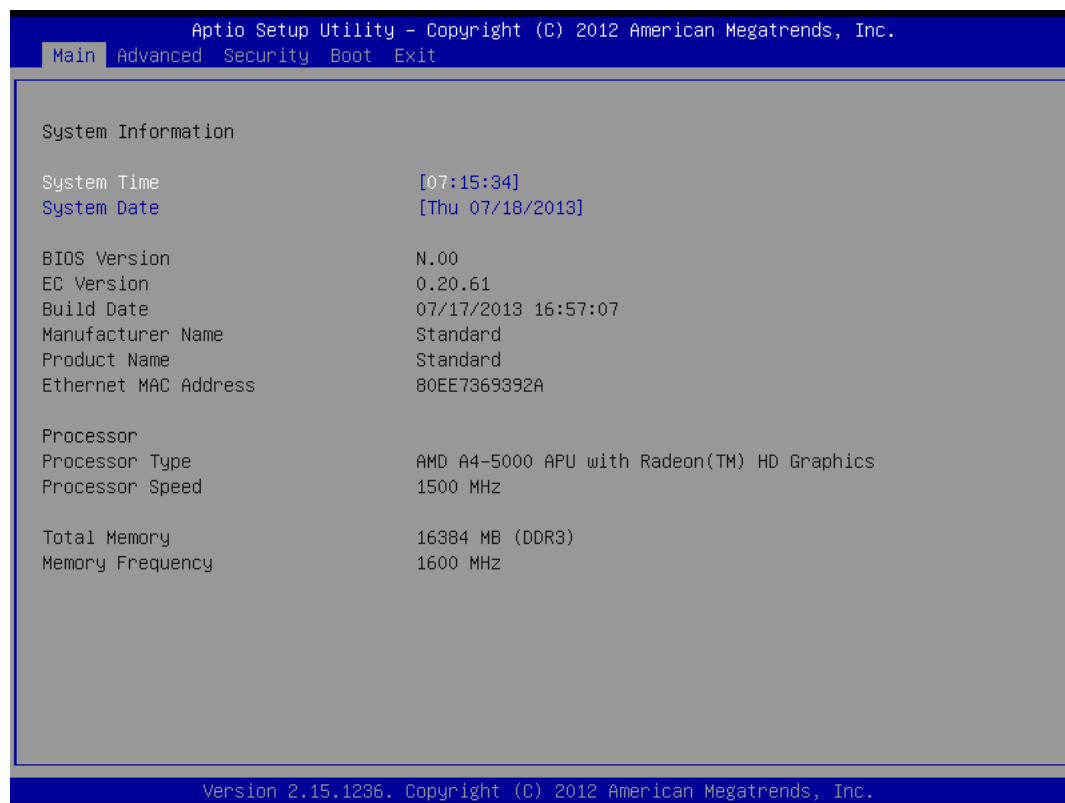
Configure Settings during System Boot.

EXIT Menu

Save or discard the changes before leaving the BIOS Setup Menu.

■ 4.2.1 Main Menu

- For Windows 7/XP :



- For Windows 8.X :



- System Date

This item allows you to set the system date. The date format is [day:month:date:year].

Use [ENTER], [TAB] or [SHIFT-TAB] to select a field.

- System Time

This item allows you to set the system time. The system clock will go on no matter you shut down the PC or get into sleep mode. The time format is [hour:minute:second].

Use [+] or [-] to configure system Time.

Day	Day of the week, from Sun to Sat, which is determined by BIOS (read-only).
Month (Month)	The month from 01 (January) to 12 (December).
Date (Date)	The date from 01 to 31.
Year (Year)	The year can be adjusted by users.

- Memory Information

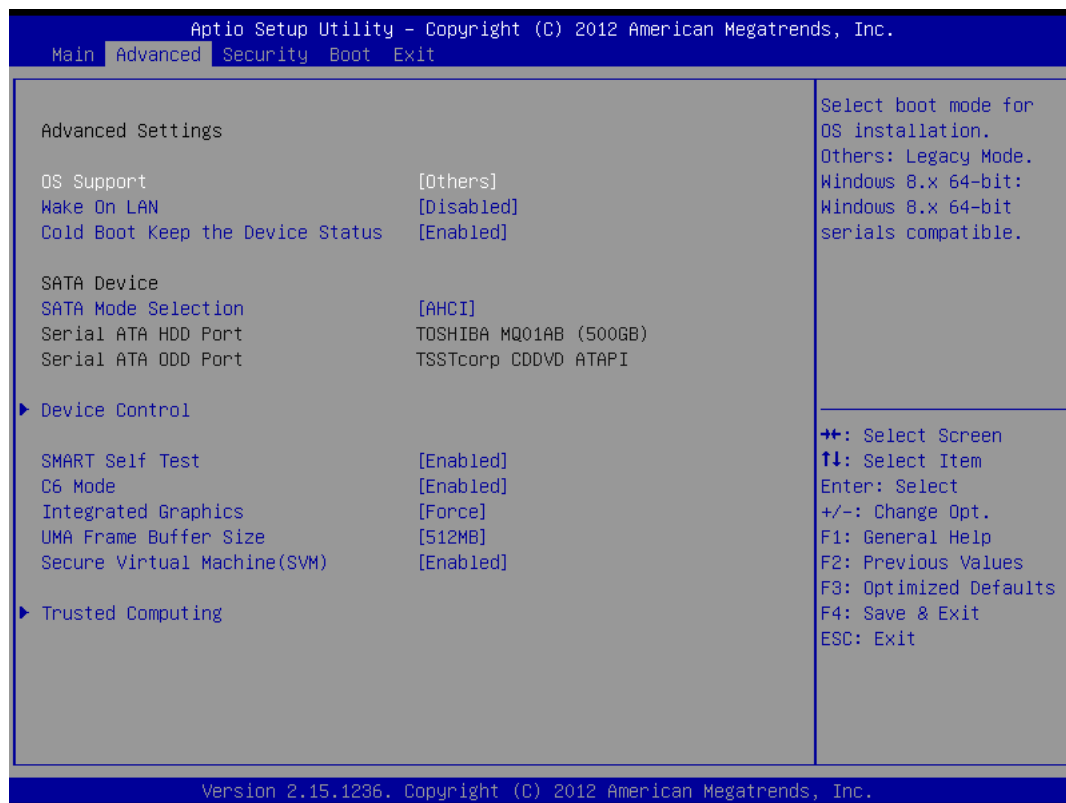
This item provides the information about the system memory.

- Total Memory

This allows you to see the total amount of memory.

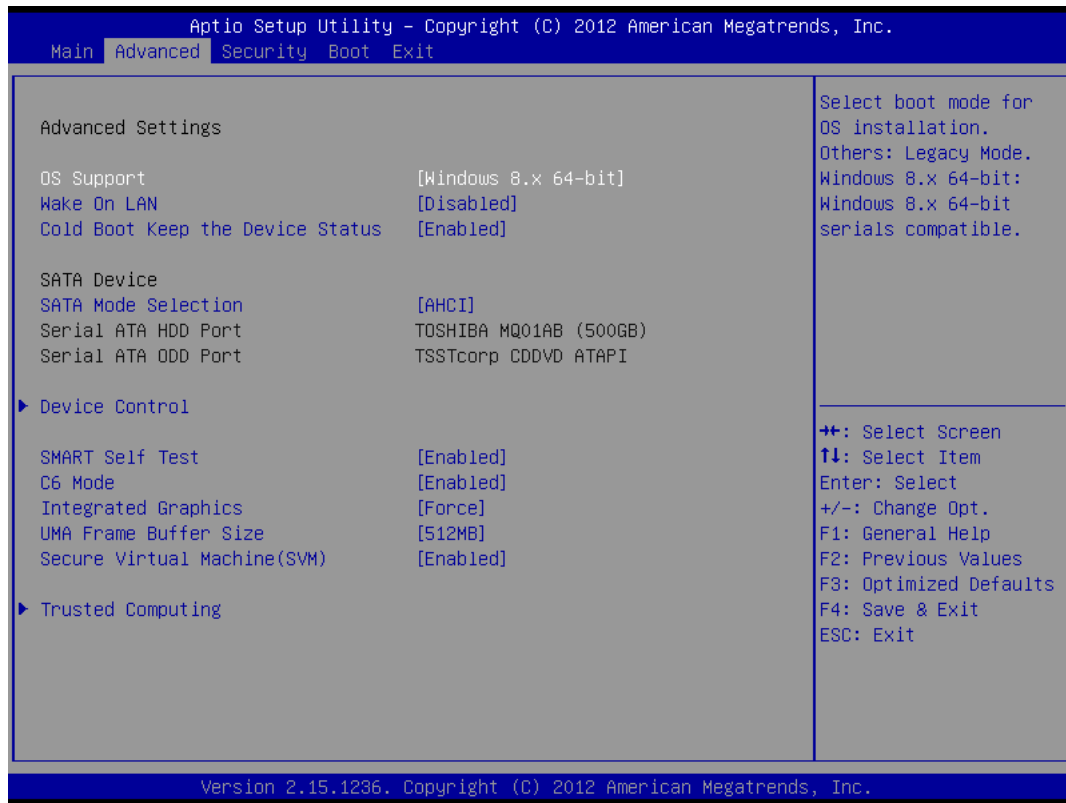
■ 4.2.2 Advanced Menu

- For Windows 7/XP :



- Execute-Disable Bit [Enabled]:
When disabled, force the XD feature flag to always return 0.
- SATA Mode Selection [AHCI]:
SATA AHCI mode or IDE mode select.
- Serial ATA Port 0/1: While entering setup, BIOS auto detects the presence of AHCI devices. This displays the status of auto detection of AHCI devices.
- OS Support: Others
- Trusted Computing
Turn TPM Enable/Disable. NOTE: Your Computer will reboot during restart in order to change State of TPM.

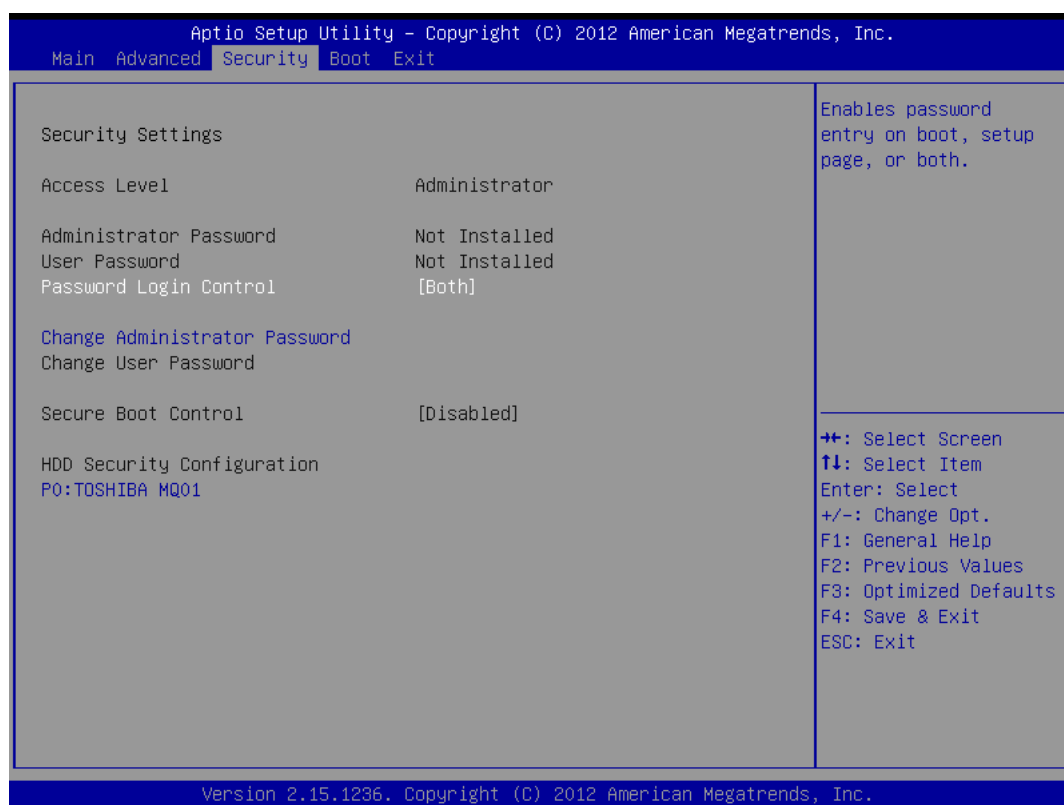
- For Windows 8.X :



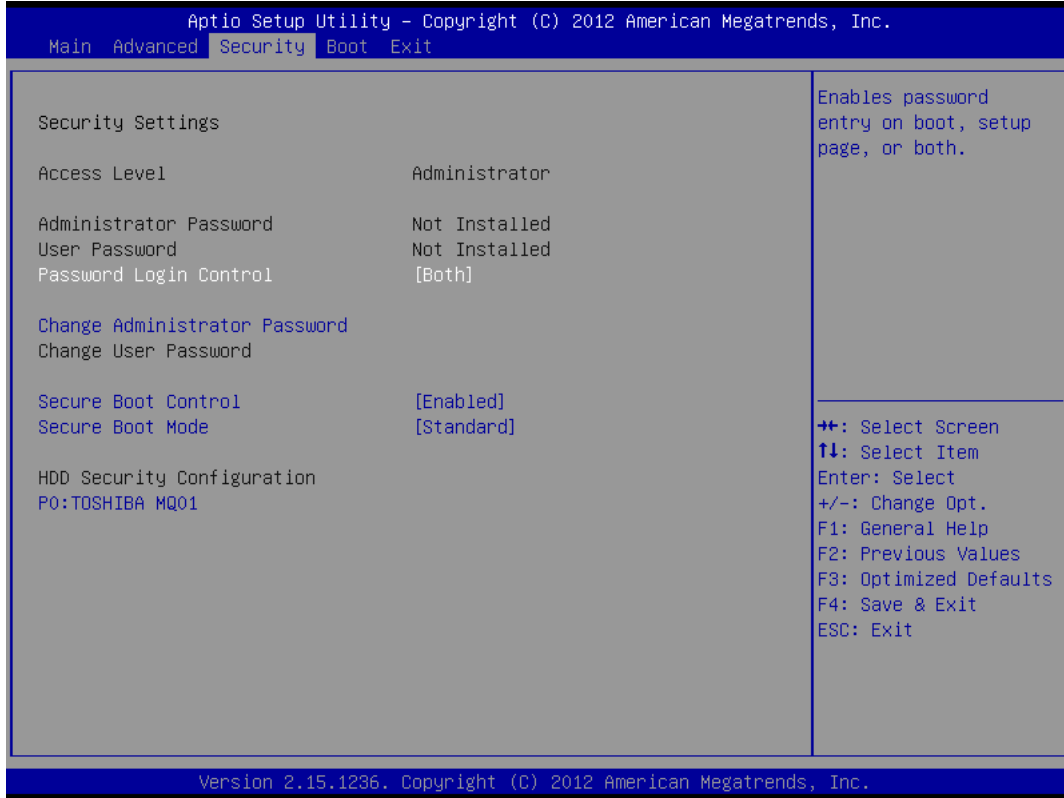
- SATA Mode Selection [AHCI]:
SATA AHCI mode or IDE mode select.
- Serial ATA Port 0/1: While entering setup, BIOS auto detects the presence of AHCI devices. This displays the status of auto detection of AHCI devices.
- OS Support: Windows 8.X 64-bit
- Trusted Computing
Turn TPM Enable/Disable. NOTE: Your Computer will reboot during restart in order to change State of TPM.

■ 4.2.3 Security Menu

- For Windows 7/XP :



- For Windows 8.X :



- Change Administrator Password

When this item is selected, a message box shall appear on the screen as below:

Enter New Password

Type a maximum of 20-digit password and press [Enter].

The password typed now will replace any previously set password from CMOS memory. You may also press [ESC] to abandon new password setting.

Select Change User Password to give or to abandon password setting same as Change Administrator Password item above.

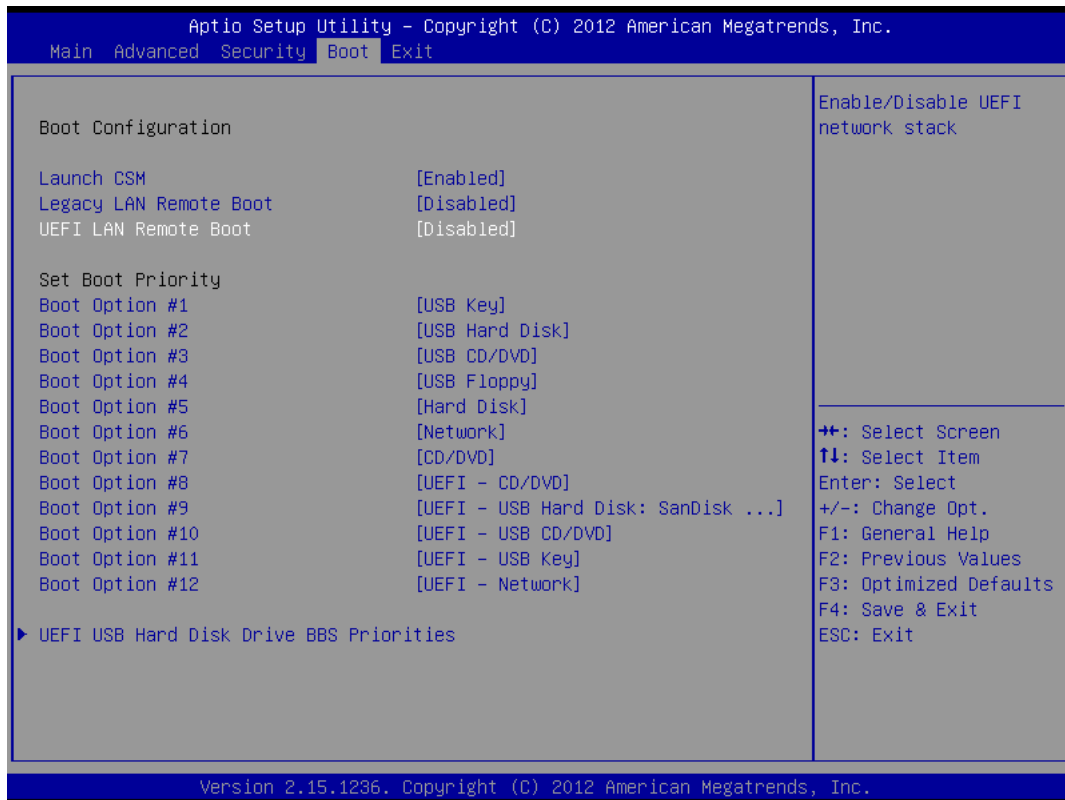
Note that Administrator Password field allows users to enter and change the settings of the BIOS SETUP UTILITY, while User Password field only allows users to enter the BIOS SETUP UTILITY without having the authorization to make any change.

The Password Check item is used to specify the type of BIOS password protection that is implemented.

To clear a set Administrator Password/ User Password, just press [Enter] under Change Administrator Password/ Change User Password field when you are prompted to enter the password. A message box will pop up confirming password will be disabled. Once the password is disabled, the system will boot and user can enter setup without entering password.

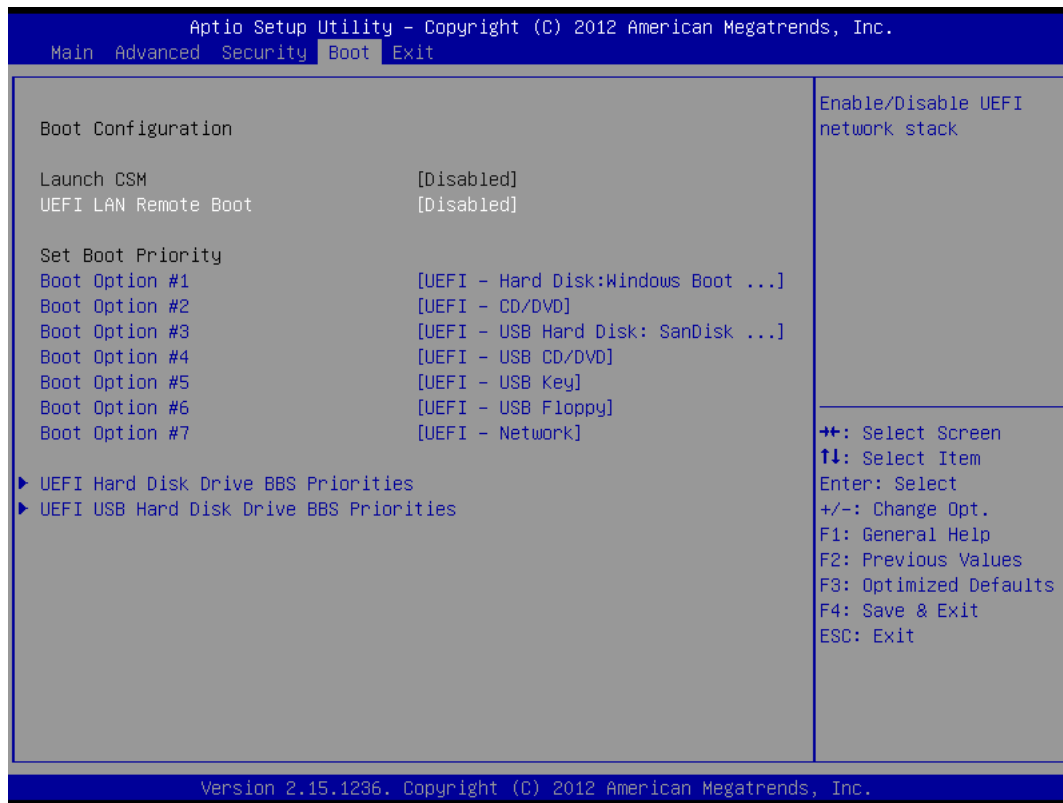
■ 4.2.4 Boot Menu

- For Windows 7/XP :



- **Boot Configuration**
Configure Settings during System Boot.
- **LAN Remote Boot [Disable]:** Boot from LAN or not.
- **Set Boot Priority (1st/2nd/3rd/..... Boot)**
Specifies the boot sequence from the available devices.
A device enclosed in parenthesis has been disabled in the corresponding type menu.
- **CD/DVD ROM Drive / Hard Disk Drive / USB HardDisk Drive / USB KEY Drive / UEFI Boot Drive BBS Priorities**
Specifies the Boot Device Priority sequence.

- For Windows 8.X :



- **Boot Configuration**
Configure Settings during System Boot.
- **UEFI Boot Drive BBS Priorities**
Specifies the Boot Device Priority sequence.

■ 4.2.5 Exit Menu



- **Save Changes and Exit**
Exit system setup after saving the changes.
F4 key can be used for this operation.
- **Discard Changes and Exit**
Exit system setup without saving any changes.
ESC key can be used for this operation.
- **Discard Changes**
Discards changes done so far to any of the setup questions.
F2 key can be used for this operation.
- **Restore Defaults**
Restore/Load Defaults values for all the setup options.
F3 key can be used for this operation.