

Notebook User's Manual

Model No.: A101P

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About this User's Manual

This user's manual is designed to let you easily find the information you need to get the most from your notebook.

- Introduces you to the features of your notebook.
- Gives you the useful details on using your notebook.
- Tells you how to look after your notebook, whether at home or traveling.
- Goes into more detail about power management and explains how to conserve power while on the move.
- Introduces you to BIOS, the nervous system of your notebook, and how to change its fundamental settings.

There is no need to read the manual from the beginning to end. Simply find your way to the section that interests you using the table of contents, or browse through the manual.

You will come across the following icons in this manual:



Helpful pointers and tricks to get more from your notebook



To help you note and avoid possible damage to your notebook's hardware or software, or loss of your work



Points out possible damage to property, personal injury or death

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Safety Instructions

Use the following safety guidelines to help protect yourself and your notebook.

General Warnings

1. Do not operate your portable computer for an extended period of time with the base resting directly on your body. With extended operation, heat can potentially build up in the base. Allowing sustained contact with the skin could cause discomfort or, eventually, a burn.
2. Do not attempt to service the computer yourself. Always follow installation instructions closely.
3. To avoid personal injury from electric shock or fire:
 - Completely power down the computer when replacing memory modules, cleaning the computer, its components, or chassis, or performing operations requiring similar steps. To do this, first turn the power off at the power switch, remove the battery, and then disconnect the AC adapter from the electrical outlet or from any other type of external power source, such as an external battery.
 - Do not operate the computer near water, for example, near a bathtub, kitchen sink or laundry tub, in a wet basement, by a swimming pool, or in the rain.
 - Do not connect or disconnect any cables or perform maintenance or reconfiguration of this product during an electrical storm.
 - Avoid using the wired modem or LAN during an electrical storm, as a remote risk of electric shock from lightning exists.
 - Do not push objects into the air vents or openings of your notebook or accessories. Doing so can short out interior components and may cause fire or electric shock.
 - When installing memory modules, ground yourself by touching a grounded conductive surface, such as a device with a grounded plug. Avoid touching the pins and leads on the memory module or internal circuitry of the computer.
4. When setting up the computer for work, place it on a level surface.
5. Handle components with care. Hold a component such as a memory module by its edges, not its pins.
6. If the battery pack leaks and the fluid get in your eyes, do not rub them. Instead, rinse your eyes with clean running water and immediately seek medical attention. Otherwise, eye injury may be resulted.
7. If acid leaking from the battery pack contacts your skin or clothing, immediately wash it away with the running water. Otherwise, the skin inflammation may occur.
8. Operate the computer at the recommended temperature range of +5 °C to +35 °C (+41 °F to +95 °F). Store it at a temperature of -20 °C to +60 °C (+4 °F to +140 °F).
9. Your notebook shipped with the plastic dummies installed in PCMCIA or Express slot.

Dummies protect unused slots from dust, metal object, or other particles. Save the dummy for use when no PCMCIA or Express Card is installed in the slot.

Adapter Warnings

1. See the installation instructions before connecting to the power supply.
2. Use only the adapter indicated in this manual.
3. Power cord sets for use in other countries must meet the requirements of that country. Use the appropriate AC adapter and power cord for your locale.
4. If you use an extension cord with your AC adapter, ensure that the total ampere rating of the products plugged into the extension cord does not exceed the ampere rating of the extension cable.
5. When using your power cord, make sure to position it around objects so it will not be cut or punctured.
6. When you disconnect a cable, pull on its connector on its strain relief loop, not on the cable itself. As you pull out the connector, keep it evenly aligned to avoid bending any connector pins. Also, before you connect a cable make sure both connectors are correctly oriented and aligned.
7. Be sure that nothing rests on your AC adapter's power cable and that the cable is not located where it can be tripped over or stepped on.
8. Use only the AC adapters that are approved for use with this computer. Use of another type of adapter may risk fire or explosion.
9. Before you connect the computer to a power source, ensure that the voltage rating of the AC adapter matches that of the available power source.
 - 115 V/60 Hz in most of North and South America and some Far Eastern countries such as South Korea and Taiwan.
 - 100 V/50 Hz in eastern Japan and 100 V/60Hz in western Japan.
 - 230 V/50 Hz in most of Europe, the Middle East, and the Far East.
 - If you use an extension cable with your AC adapter, ensure that the total ampere rating of the products plugged in to the extension cable does not exceed the ampere rating of the extension cable.
10. Place the AC adapter in a ventilated area, such as a desktop or on the floor, when you use it to run the computer or to charge the battery. Do not cover the AC adapter with papers or other items that will be reduced to cool; also, do not use the AC adapter while it is inside a carrying case.
11. Disconnect power cords and cables by grasping the connector, not by pulling on the cable itself. As you pull out the connector, keep it evenly aligned to avoid bending any connector pins. Before you connect a cable, please make sure both connectors are correctly aligned.
12. To remove power from the computer, turn it off, remove the battery, and disconnect the AC adapter from the electrical outlet.

Battery Pack Warnings

- Do not carry a battery in your pocket, purse, or other container where metal objects (such as car keys) could short-circuit the battery terminals. The resulting excessive current flow can cause extremely high temperatures and may result in damage from burns.
- Danger of explosion may occur if battery is incorrectly replaced. Replace only with the same or equivalent type battery recommended by the manufacturer.
- Do not dispose of batteries in a fire. They may explode. Check with local authorities for disposal instructions.
- Do not use or leave the battery pack near a heat source. Heat can melt the insulation and damage other safety features, possibly leading it to leak acid, overheat, emit smoke, burst and/or ignite.
- Do not immerse the battery pack in water or allow it to get wet. Its protective features can be damaged. Abnormal chemical reactions may occur, possibly leading it to leak acid, overheat, emit smoke, burst and/or ignite.
- Do not crush, disassemble, puncture, or incinerate the short external contacts of a battery pack.
- Do not connect the positive (+) and negative (-) terminals with a metal object such as wire. Short-circuiting may occur leading the battery pack to leak acid, overheat, emit smoke, burst and/or ignite.
- Do not use an apparently deformed or damaged battery pack, which may leak acid, overheat, emit smoke, burst and/or ignite.
- If the battery pack leaks, gives off a bad odor, generates heat, becomes discolored or deformed, or in any way appears abnormal during use, recharging or storage, immediately remove it from the computer or charger and stop using it.

Battery Pack Disposal

- Dispose of the lithium ion battery packs at approved disposal sites only. To locate an appropriate site, contact the solid waste disposal officials where you live or look for a rechargeable battery recycling website that lists disposal locations near you.
- Do not dispose of battery packs in a fire, throw them in a trash receptacle, put them in a recycling bin not intended for their disposal, or otherwise discard them in a manner that may result in their being hazardous to the environment.

Important Safety Instructions

Read these instructions carefully and save them for reference in future.

- 1 Follow all warnings and instructions reminded you about this product.
- 2 Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 3 Do not use this product near water.

- 4 Do not place this product on an unstable cart, stand, or table. It may be broken to cause some serious damage of itself.
- 5 Slots and openings in the cabinet and the back or bottom are provided for ventilation. To ensure reliable operation of the product and to protect it from overheating, and also do not block or cover these openings. Avoid placing the product on a bed, sofa, rug, or similar surface to prevent from blocking these openings. This product should never be placed near or over a radiator or a heat register, or in an enclosure unless proper ventilation is provided.
- 6 This product should be operated from the type of power indicated on the marking label. If you are not sure the type of power available, consult your dealer or local power company.
- 7 Do not allow anything to rest on the power cord. Do not locate this product where people will step on the cord.
- 8 If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the fuse rating.
- 9 Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill any kind of liquid on the product.
- 10 Do not attempt to service this product by yourself. As opening or removing covers, you will be exposed to the dangerous voltages or other risks. Refer all servicing to qualified service personnel.
11. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power cord or plug is damaged or frayed.
 - b. As liquid is spilled into the product.
 - c. The product is exposed to rain or water.
 - d. If the product does not operate normally when the operating instructions are followed, adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.
 - e. The product has been dropped or the cabinet has been damaged.
 - f. The product exhibits a distinct change in performance, indicating a need for service.

EMC Regulatory Information

This product is designed and tested to comply with the following related EMC (Electromagnetic compatibility) standards.

FCC Notice

“Declaration of Conformity Information”

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 .If the equipment is not installed or used in accordance with the instructions; it 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 of following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the 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.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

CE Notice (European Union)

EU Declaration of Conformity

The product conforms to the following standards:

Supplementary Information: “The product complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC and/or the R&TTE Directive 1999/05/EEC.”



This product is carrying the CE-Mark in accordance with the related European Directives.

Specifications

CPU

Intel® Atom™ Processor N450

Memory

- No on board memory
- Support DDR-II 667MHz
- One SODIMM with 1GB/2GB

Chipset

- Intel Pineview
- FSB 667MHz

Display

- 10.1" LCD, WXGA, 1024 x 600

Keyboard

- 84/85 keys support with 100/101 key emulation without stick-point
- Windows key, Application key
- 17mm pitch, 1.3mm travel length
- Multi-Language support

Hard Disk Drive (HDD)

- 9.5mm, 2.5" S-ATA HDD support with 160GB/250GB/320GB (5400rpm)capacity
- Easily removable

Graphics Chip

- GMA3150 integrated VGA

Audio

- Realtek ALC662
- 2 channel HD Audio
- Compliant with Universal Audio Architecture
- Microphone-in and headphone-out

- Two stereo 1.5W speakers with chamber

Pointing Device

- Touchpad without buttons

I/O Ports

- RJ-45 jack x 1
- Headphone-out x 1
- Microphone-in x 1
- 3-in-1 Card Reader x1
- USB 2.0 x 3
- RGB: VGA port x 1, 15pins
- DC-in jack x 1
- Kensington lock x 1
- Internal microphone x 1

System Status Indicators (UI spec)

- 1 LED for Power Button(Blue)
- 1 LED for Power Status(Blue)
- 1 LED for Battery status (Charging / Full / L1 / L2) (Amber /Blue)
- 1 LED for HDD activity (Blue)
- 1 LED for Reservation

Web Camera

- 1.3M/0.3M Pixel CMOS via USB2.0 interface

LAN

- Realtek RTL8102e, 10/100M LAN

Media Card Reader

- 3-in-1 Card Reader (SD, MMC, MS)

Control Buttons

- Power button x 1
- Magnetic lid switch control for system standby resume

AC Adapter

- Universal AC adapter. 100-240V AC, 50-60HZ

- 40W with 19V DC
- 2 pin 240V AC cable
- Wall-mount type

Battery

- 3-cell Li-On, 18650 type, 2250mAh (Standard)
- 6-cell Li-On, 18650 type, 2250mAh (Option)
- Life Cycle: 70% Design Capacity after 300 Cycles in 25degreeC

Software

- AMI Core8 BIOS
- Flash ROM 1MB
- Support multi-boot
- Suspend to RAM (S3)/Disk (S4)
- Support SMBIOS 2.4
- Support PXE
- Wake on LAN from S3
- Wake on LAN from S4 in AC mode

Application

- Lock key

OS

- Windows XP Home edition 32bit

Security

- Kensington lock

Regulatory

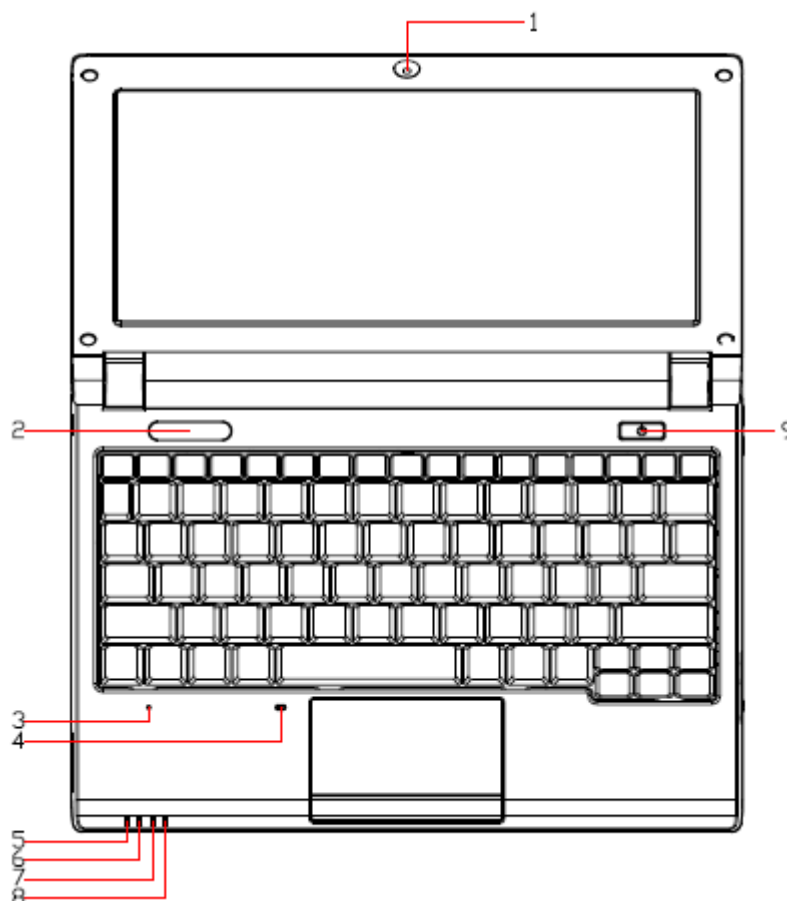
- EMI: FCC-B, CE
- Safety: Compliant to LVD

Chapter 1

Introducing Your Notebook

1.1 Front Side

The following picture shows the front side of your notebook. (Note: following are sketch maps, please refer to the practicalities)



1	Camera	6	Battery Status LED
2	Logo PC Sheet	7	HDD Status LED
3	TP Lock LED	8	Reseration
4	Microphone	9	Power Button
5	Power Status LED		

1.1.1 Built-in Camera

The built-in camera supports a 0.3/1.3 mega pixel web camera.

1.1.2 Logo PC Sheet

The location of Logo badge.

1.1.3 TP Lock

To let you disable your touchpad to prevent input errors when typing on your laptop, you may press “Fn+Esc” to toggle the touchpad on and off.

LED on while “touchpad disable”

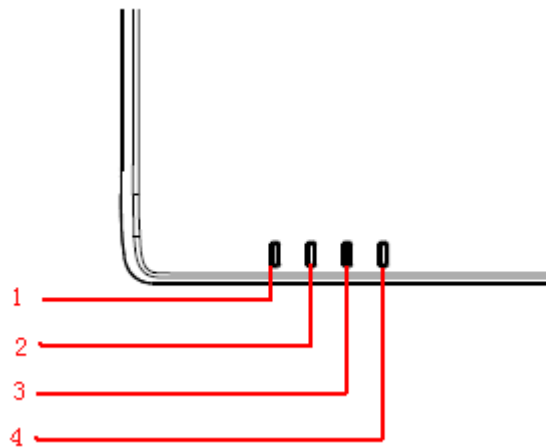
LED off while “touchpad enabled”

1.1.4 MIC Phone

Built in internal microphone

1.1.5 Device Status Indicators / Power Status

The LEDs on the front of notebook indicate the device and power status.



The flashing Power On LED indicates your notebook is in standby mode.

1	Power Status (Blue)
2	Battery Charge (Blue/Amber)
3	HDD Access (Blue)
4	Reservation

1.1.6 Power Key

- Power Buttons

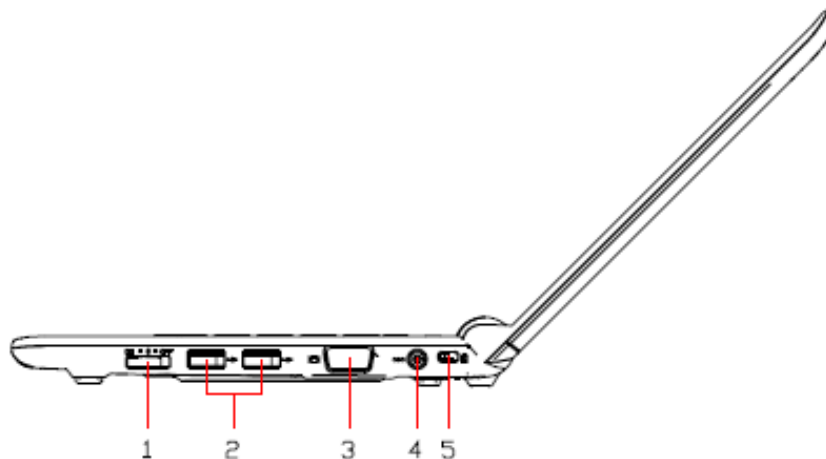
The activity of the power button is as follows:

- If system is Off/Hibernate: System will be turned on while Power switch is depressed.
- If system is in Standby state: System will resume while Power switch is depressed.
- If system on with legacy mode: depress this button will turn off power.
- If system is running in ACPI OS, the power button acts as the sleep button, and let OS controls the policy of power button which is defined in Power Option under the OS.
- Power Button Over-ride

Holding down the Power Button for 4 seconds will cause an unconditional transfer to the off state without notifying the operating system.

1.2 Right Side

The following picture shows the right side of your notebook. (Note: following are sketch maps, please refer to the practicalities)



1	Reservation
2	USB
3	VGA
4	DC-IN
5	Kensington Lock

1.2.1 USB Port



Use this port to connect a USB device, such as a mouse, external keyboard, or printer to the computer.

1.2.2 VGA Port



Use this port to connect an external monitor to your computer.

1.2.3 AC Adapter Connector



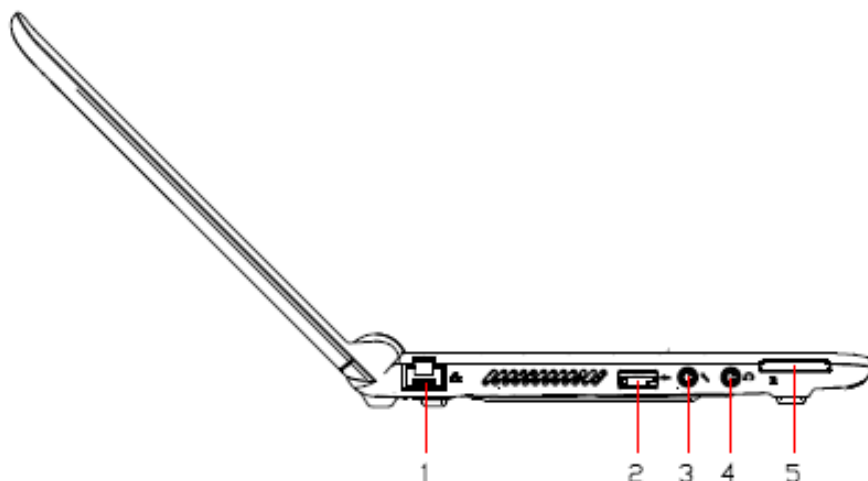
Use this connector to attach the AC adapter to your notebook. You can connect an AC adapter when your notebook is switched on or off.



While the AC adapter works with electrical outlets worldwide, power connectors and power strips vary by country. Ensure you use a compatible cable or correctly connect the cable to the power strip or electrical outlet. Failure to do so may cause fire or damage to equipment.

1.3 Left Side

The following picture shows the left side of your notebook. (Note: following are sketch maps, please refer to the practicalities)



1	RJ-45
2	USB
3	Microphone Jack
4	Headphone Jack
5	Card Reader

1.3.1 LAN Jack



The RJ-45 network jack allows you to connect your notebook to a local area network (LAN).






Be careful not to plug the telephone line into the slightly larger network connector.

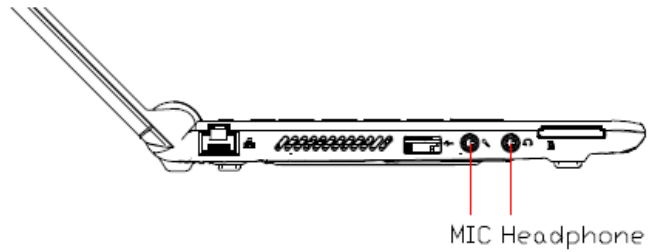
1.3.2 USB Ports



Use this port to connect a USB device, such as a mouse, full-size external keyboard, or printer, to the computer.

1.3.3 Audio Ports(MIC and Headphone)

You can connect a headphone or an external speaker to the  port and a microphone to the  port. The built-in speakers are disabled when a device is connected to the  port.

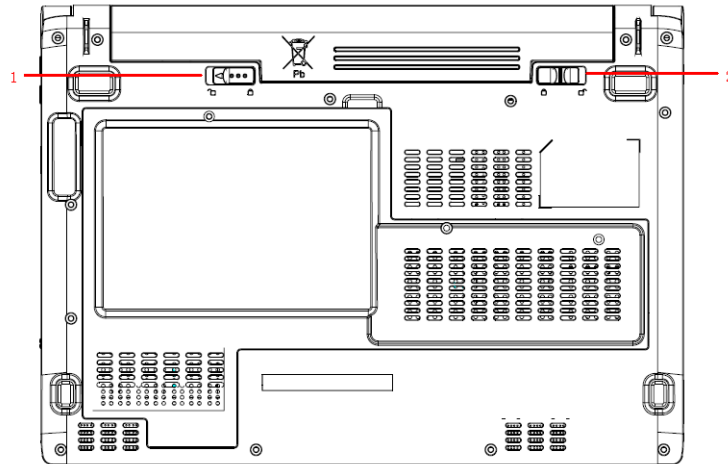


1.3.4 Card Reader

Support 3-in-1 SD/MMC/MS card, which is used in digital still camera and various forms of portable information equipment.

1.4 Bottom Side

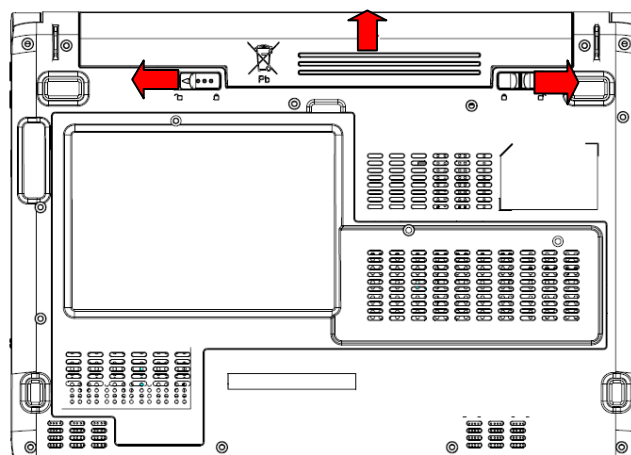
The following picture shows the bottom side of your notebook. (Note: following are sketch maps, please refer to the practicalities)



1	Battery Latch
2	Battery Lock

1.4.1 Battery Pack

With a charged battery pack installed, you can use your notebook without connecting it to an electrical outlet.



To remove the Battery Pack:

Move the Battery Lock Switch to the left (Unlock position).

Slide the Battery Release Latch to the right

Gently pry the battery pack from the computer chassis.


1.4.2 Battery Release Latch

The Battery Release Latch secures the battery pack. To release, slide the latch and then remove the battery pack from the bay.

1.5 Keyboard

1.5.1 Numeric Keypad

Keypad numbers and symbols are marked in blue on the lower right edge of the keypad keys.














To enable the numeric keypad, press .














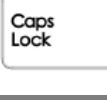
To disable the numeric keypad, press  again.

To use the primary function of a dual-function key when the numeric keypad is enabled,








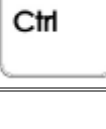


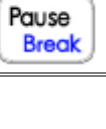
Press  and the desired key.

1.5.2 Keyboard Shortcuts

 	Touch pad disable/enable
 	Sleep
 	Reseration
 	Switches Display Mode (LCD > CRT > TV > LCD + CRT Simultaneous > LCD+TV Simultaneous). Switches the video image to the next display or both displays simultaneously.
 	Brightness Down
 	Brightness Up
 	Mute
 	Audio Volume Down

 	Audio Volume Up
 	Play/Pause
 	Stop
 	Fast Rewind
 	Fast Forward
	Number Lock
 	Scroll Lock
	Caps Lock

1.5.3 Windows Logo Key Functions

 	Opens Windows Explorer
 	Opens the Run dialog box
 	Opens the Search Results dialog box
  	Opens the Search Results -Computers dialog box (when your notebook is connected to a network)
 	Opens the System Properties dialog box

To adjust keyboard operation, including character repeat rate, in the **Control Panel** click **Hardware and Sound > Keyboard**.

Chapter 2

Caring for Your Notebook

2.1 Caring for Your Notebook

- Cleaning Your Notebook and Keyboard
- Cleaning the Display
- Cleaning the Touch Pad
- Precautions



Never spray cleaning products directly onto your notebook's case or display. Only use products designed for cleaning computer displays.

2.1.1 Cleaning Your Notebook and Keyboard

Shut your notebook down, turn it off and disconnect it from the electrical outlet and any external devices, such as the printer.

Remove the battery pack.

Use the brush attachment of your vacuum cleaner to gently remove dust from your notebook's openings and keyboard.

Use a slightly moistened soft, lint-free cloth to wipe your notebook and keyboard. *Use only the water or the recommended computer cleaner.*

2.1.2 Cleaning the Display

Shut your notebook down, turn it off and disconnect it from the electrical outlet and any external devices, such as the printer.

Remove the battery pack.

Use a slightly moistened soft, lint-free cloth to wipe your notebook's display. *Use only the water or the recommended computer cleaner.*

2.1.3 Cleaning the Touch Pad

Shut your notebook down, turn it off and disconnect from the electrical outlet and any external devices, such as the printer.

Remove the battery pack.

Use a slightly moistened soft, lint-free cloth to carefully wipe the Touch Pad, being careful not to allow the moisture into the gaps of your notebook. *Use only the water or the recommended computer cleaner.*

2.1.4 Precautions

- Do not spill the liquid on the keyboard. If the liquid is spilt on the keyboard, turn your notebook off immediately. Leave off overnight to let it completely dry out before using it again.
- Do not turn off your notebook if the drive light indicates the drive is active. Turning off your notebook while it is reading from or writing to a disk may damage the disk, the drive, or both.
- Keep your notebook and disks away from the objects that generate the strong magnetic fields, such as the stereo speakers. Information on disks is stored magnetically. Placing the magnet too close to the disk can erase the important files.
- Scan all new files for viruses. This precaution is especially important for the files you receive via email, disk or download from the Internet. You will need the special program to scan for viruses. For further information, please contact with your notebook dealer.
- To ensure HDD function and the integrity of the saved data, please follow the instructions below:
 - Protect your notebook from any impact during it's operation.
 - Do not use your notebook during the transportation such as in the car.
 - Do not put your notebook in the car if it is directly exposed under the sun.
 - Do not place any heavy objects on the LCD monitor.
 - Use the AC adapter coming with the package instead of other adapters.

2.2 Traveling

- Identifying Your Notebook
- Packing Your Notebook
- Traveling Tips
- If Your Notebook is Lost or Stolen

2.2.1 Identifying Your Notebook

Attach a nametag or business card to your notebook, or use the permanent marker or stencil to write a unique identifying mark (such as your driver's license number) on the case.

Create a file on the Desktop called **if found**. Place information such as your name, address, and telephone number in this file.

Contact your credit card company to ask if it offers coded identification tags.

2.2.2 Packing Your Notebook

- Remove any external devices attached to your notebook and store them in a safe place.
- Fully charge the main battery and any spare batteries you plan to carry with you.
- Turn off your notebook or put the computer into hibernate mode.
- Disconnect the AC adapter.
- Remove any extraneous items, such as paper clips, pens, and papers, from the keyboard and then close the display.
- Pack your notebook and accessories in their carry case.
- Avoid packing the computer with items such as shaving cream, colognes, perfumes, or food.
- Protect your notebook, the batteries, and the hard drive from hazards such as extreme temperatures, dirt, dust, liquids, or overexposure to sunlight.
- Pack your notebook so that it does not slide around in the trunk of the car or in an overhead storage compartment.



When traveling in the air, never check in your notebook as baggage.

2.2.3 Travel Tips

- If you are traveling abroad, you can carry the proof of ownership—or of your right for using your notebook if it is company-owned—to speed your passage through customs. Investigate the customs regulations of the countries you plan to visit and consider acquiring an international carnet (also known as a merchandise passport) from your government.
- Ensure that you know which electrical outlets are used in the countries you will visit, and prepare the appropriate power adapters.
- Check with your credit card company for information about any kinds of emergency travel assistance it offers to the users of the portable computers.
- When traveling in the air, please ensure that you have a charged battery available in case you

are asked to turn on your notebook.

- Before using your notebook on the airplane, please verify that such usage is permitted. Some airlines forbid the use of electronic devices during the flight. All airlines forbid the use of electronic devices during taking-off and landing.



Never pass your notebook through a metal detector. Send it through an X-ray machine, or have it manually inspected.

2.2.4 If Your Notebook is Lost or Stolen

Call a law enforcement agency to report your notebook lost or stolen. Ask that a case number be assigned and write down the number, along with the name, address, and telephone number of the law enforcement agency. If possible, please obtain the name of the investigating officer.

If your notebook belongs to the company, notify it's security office.

Chapter 3

Peripherals

3.1 Adding and Removing SD/MMC/MS Cards



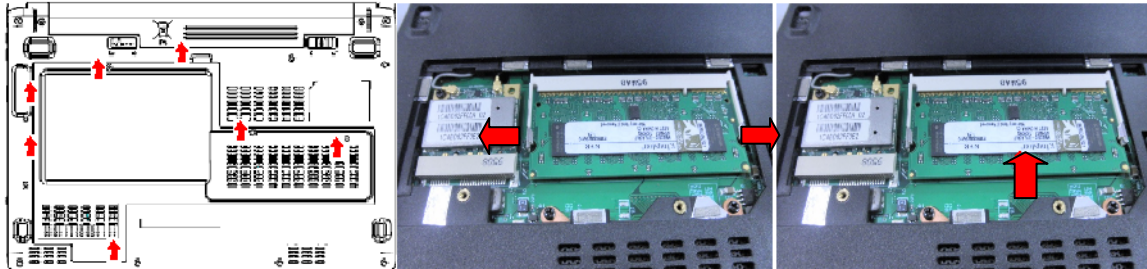
Before removing an SD/MMC/MS card, stop it running from the configuration utility on the taskbar. Failure to do so could result in the data loss.

Insert the SD/MMC/MS card into the card reader slot.

To remove the SD/MMC/MS card, please push it in gently and then it ejects automatically.

3.2 Memory Modules

You can add more memory modules to your notebook to improve its performance. (Note: following are sketch maps, please refer to the practicalities)



To remove a memory module:

Remove the screws securing the bottom cover.

Lift off the bottom cover.

Pop out the two sliver latches holding the memory module into place. The module pops up. Grasp the outer edges of the memory module with thumb and forefinger, and then gently remove it.

To install a memory module:

Remove the screws securing the bottom cover.

Lift off the bottom cover.

There are two memory module ports here. The first one is already occupied by your computer's current memory module. Place the new memory module in the second slot. Matching up the notch along its connector rim with the tooth in the connection slot. When the module has been secured, press down gently until it snaps into place.



Depending on how much additional memory you require, you may need to replace the original memory module.

Chapter 4

The BIOS Setup Program

4.1 System Setup And Boot Menu

4.1.1 Invoking setup

Press F2 key to enter BIOS Setup Screen, Highline "F2=Setup" on left bottom of full screen Logo.

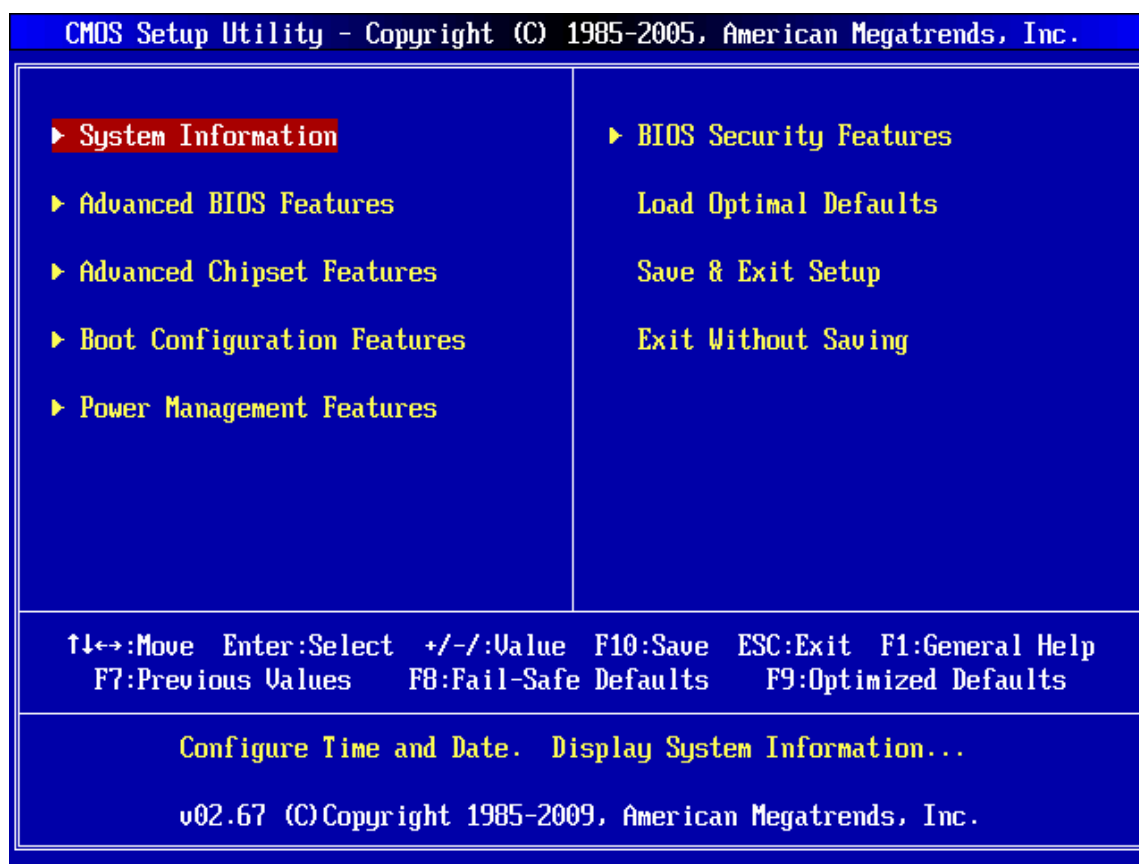
During setup, all Fn function keys and power saving functions are disabled.

4.1.2 Invoking Boot Menu

Press F12 key to pop up boot menu, Highline "F12=Boot Options" on left bottom of full screen Logo

4.2 Setup screens

4.2.1 Main Menu



Full BIOS setup options are listed in the Main Menu

4.2.2 System Information

CMOS Setup Utility - Copyright (C) 1985-2005, American Megatrends, Inc.	
System Information	
System Overview	Help Item
BIOS Version : 08.00.15 Build Date : 04/01/10 BIOS name : 961AAD03	
CPU Type : Speed : 255MHz Cache L1: 0 KB Cache L2: 0 KB	
Memory Memory Installed : 2048MB Memory Available : 2038MB Memory Technology: DDR2	
↑↓←→:Move Enter:Select +/-/:Value F10:Save ESC:Exit F1:General Help F7:Previous Values F8:Fail-Safe Defaults F9:Optimized Defaults	

BIOS

- Displays current version of the BIOS
- Displays BIOS Build Date
- Displays BIOS Name

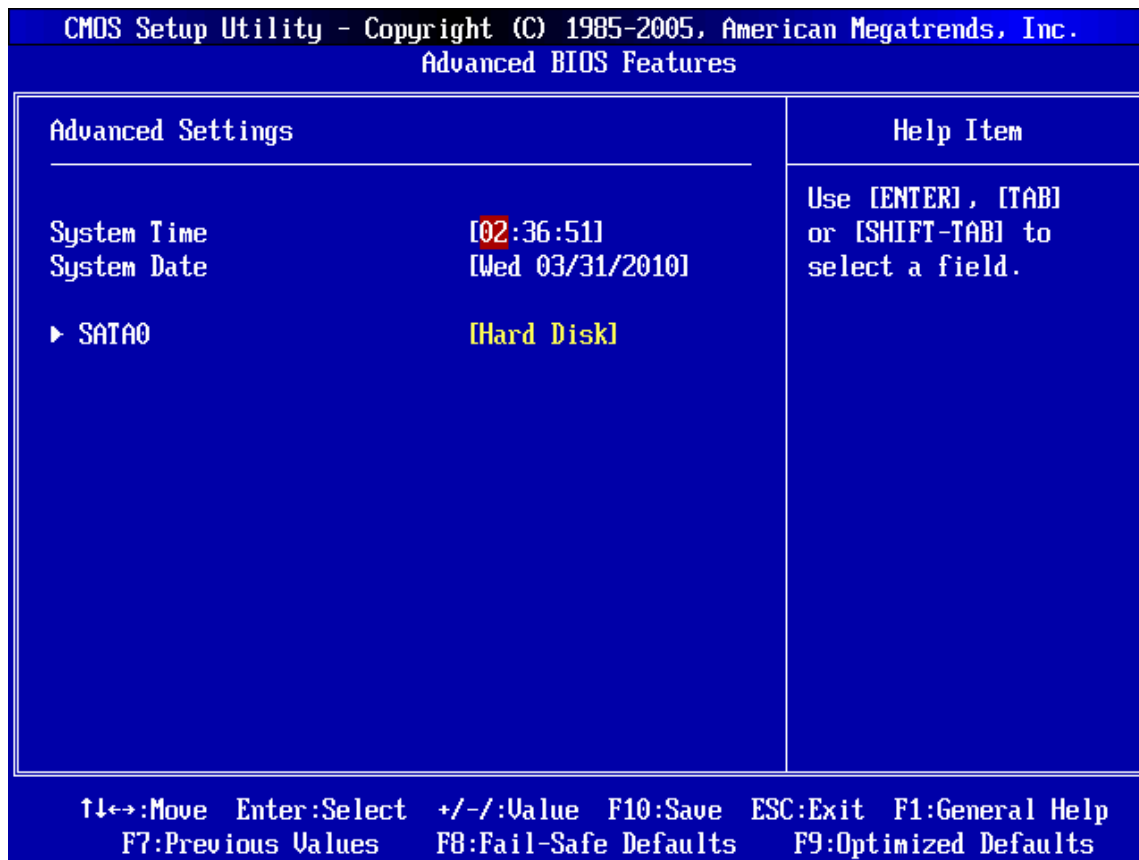
CPU

- Displays CPU type
- Displays CPU Speed
- Displays L1 Cache size
- Displays L2 Cache size

Memory

- Displays installed memory size on the motherboard
- Displays available memory size on the motherboard
- Displays memory technology type

4.2.3 Advanced BIOS Features



System Time and System Date

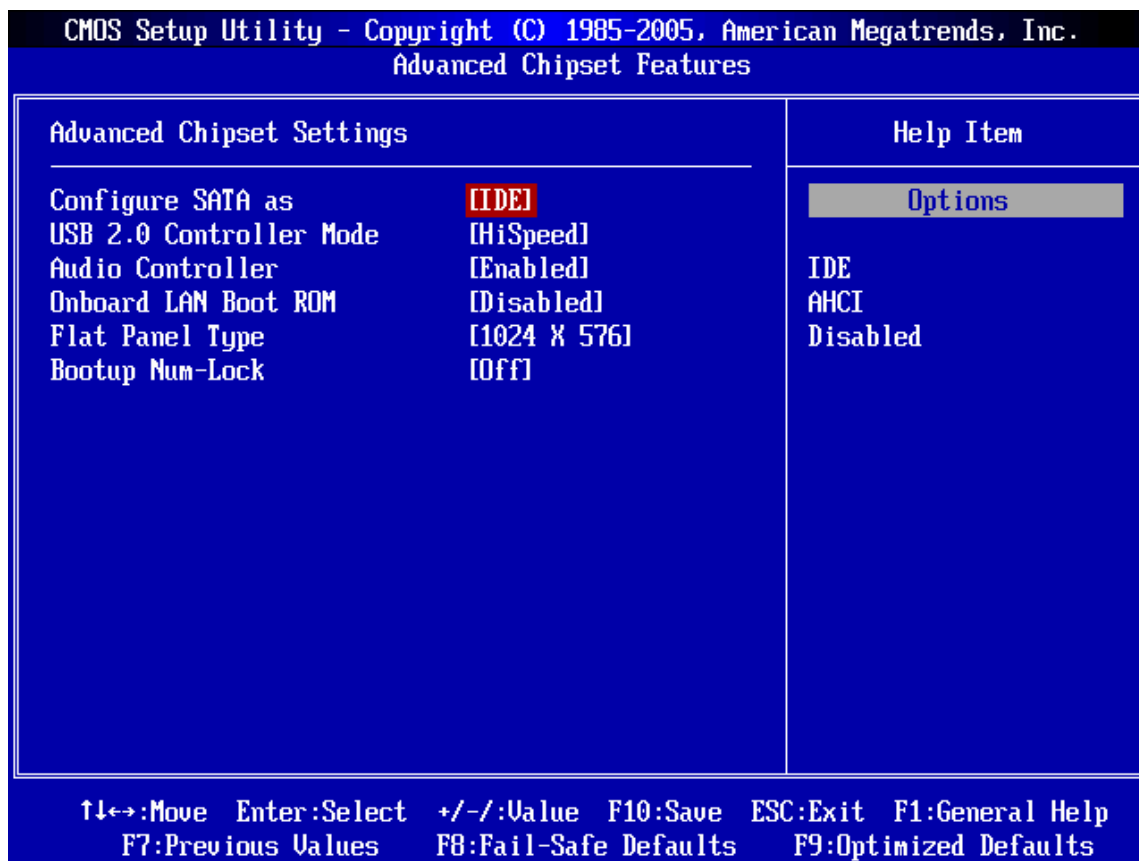
The hour is displayed with 24-hour format. The values set in these two fields take effect immediately.

SATA



- Displays SATA port type
- Displays the vendor of the sata port's device
- Displays the device size

4.2.4 Advanced Chipset Features



Configure SATA as

Allows the user to set SATA mode is IDE or AHCI or Disabled

USB 2.0 Controller Mode

Allows the user to set HiSpeed or FullSpeed

Audio Controller

Allows the user to set Enabled or Disabled

Onboard Lan Boot Rom

Enable/Disable Option ROM for OnBoard Lan, This option needs to be enabled for PXE boot support.

Bootup Num-Lock

Select Power-on state for NumLock

4.2.5 Boot Configuration Features

CMOS Setup Utility - Copyright (C) 1985-2005, American Megatrends, Inc.		
Boot Configuration Features		
Boot Settings		Help Item
▶ Hard Disk Drives [Press Enter]		Specifies the Boot Device Priority sequence from available Hard Drives.
1st Boot Device	[USB:SanDisk U3 Cru]	
2nd Boot Device	[USB:SanDisk U3 Cru]	
3rd Boot Device	[Removable Dev.]	
Other Boot Devices	[Yes]	
↑↓↔:Move Enter:Select +/=:Value F10:Save ESC:Exit F1:General Help F7:Previous Values F8:Fail-Safe Defaults F9:Optimized Defaults		

Hard Disk Drives

Specifies the Boot Device Priority sequence from available Hard Drives

CMOS Setup Utility - Copyright (C) 1985-2005, American Megatrends, Inc.		
Hard Disk Drives		
Hard Disk Drives		Help Item
1st Drive	[SATA:ST9160314AS]	Specifies the boot sequence from the available devices.
2nd Drive	[Disabled]	

1 st Boot Device & 2 st Boot Device & 3 st Boot Device

Specifies the boot sequence from the available devices. A device enclosed in parenthesis has been disabled in the corresponding type menu.

Other Boot Device

Allows the user to select Yes or No

4.2.6 Power Management Features

CMOS Setup Utility - Copyright (C) 1985-2005, American Megatrends, Inc.	
Power Management Features	
Power Management Features	Help Item
Suspend mode [S3 (STR)]	Select the ACPI state used for System Suspend.

Suspend Mode

Select the ACPI state used for system suspend

4.2.7 BIOS Security Features

CMOS Setup Utility - Copyright (C) 1985-2005, American Megatrends, Inc.	
BIOS Security Features	
Security Settings	Help Item
Supervisor Password :Not Installed User Password :Not Installed	Install or Change the password.
Change Supervisor Password [Press Enter]	

After "Supervisor Password" be set; you can select the <Set User Password> and press ENTER to set user password.

After "User Password" be set; you can select the <Clear User Password> and press ENTER, then select [OK] and press ENTER to clear "User Password"

Set the <Password Check> to select the [password checked function] will be requested while invoking setup or each boot.

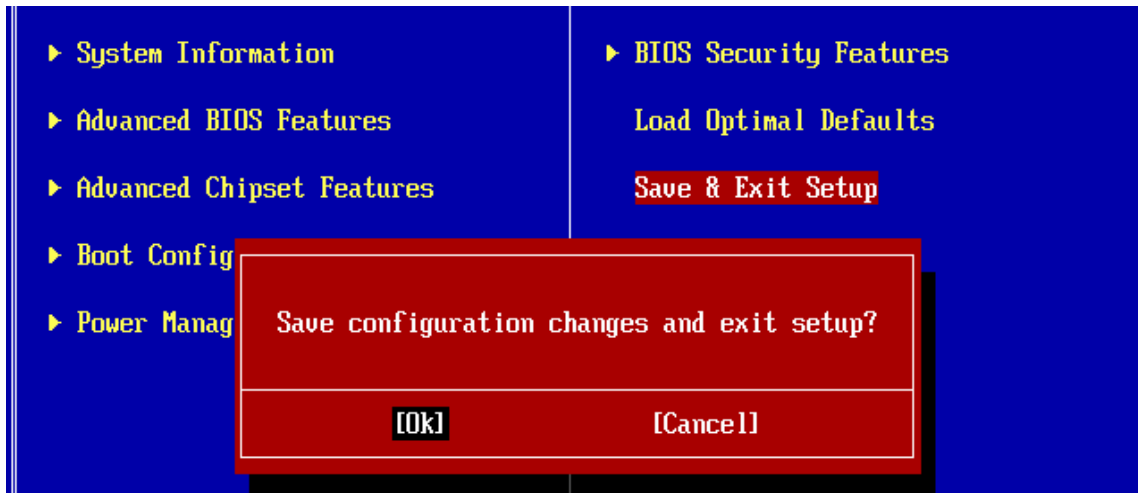
4.2.8 Load Optimal Defaults

<ul style="list-style-type: none"> ▶ System Information ▶ Advanced BIOS Features ▶ Advanced Chipset Features ▶ Boot Configuration Features ▶ Power Management Features 	<ul style="list-style-type: none"> ▶ BIOS Security Features Load Optimal Defaults Save & Exit Setup
---	---

Load Optimal Defaults?
[Ok] **[Cancel]**

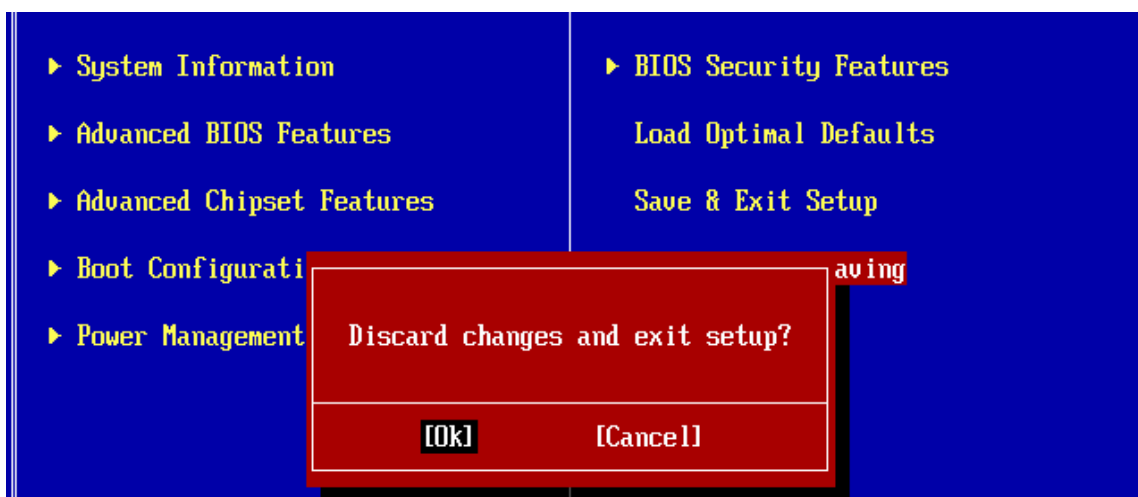
Allows the user loads default value in CMOS Setup. The following message is prompted when user press "Enter" on this item:

4.2.9 Save & Exit Setup



Allows the user to save changes to CMOS and reboot system. The following message is prompted when user press “Enter” on the item.

4.2.10 Exit Without Saving



Exit system setup without saving the changes

FCC WARNING

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.

NOTE: 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.

NOTE: The manufacturer is not responsible for and radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.