



N03V

**User Manual
V 2.8**

Contents

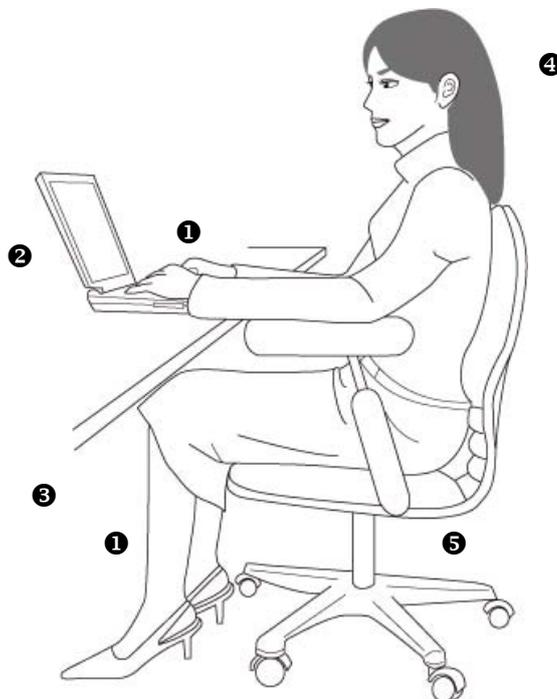
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Safety Instructions

	Do not attempt to disassemble, repair or alter the equipment yourself. The high-voltage circuitry in the equipment poses significant electrical hazard.
	Do not attempt to disassemble, alter or directly solder the battery.
	Do not put the battery in a fire, attempt to heat it, uses it in high temperature environment such as next to a fire or inside a car.
	Do not use battery that are significantly damaged or deformed.
	Keep the battery used in this equipment out of the reach of children to prevent accidental ingestion.
	Do not put it into water or allow it to get wet.
	Keep this equipment away from humidity and high temperature.
	Turn off the power immediately in the event of irregularity, such as the equipment emitting smoke or a strange smell. Remove the battery as soon as possible, being careful to avoid electric shocks or burns.
	Make sure the power voltage is within safety range before connecting the equipment to the power outlet.
	DO NOT leave the equipment in an unconditional environment with a storage temperature below 0° C (30° F) or above 50° C (122° F) which may damage the equipment.

Cautions

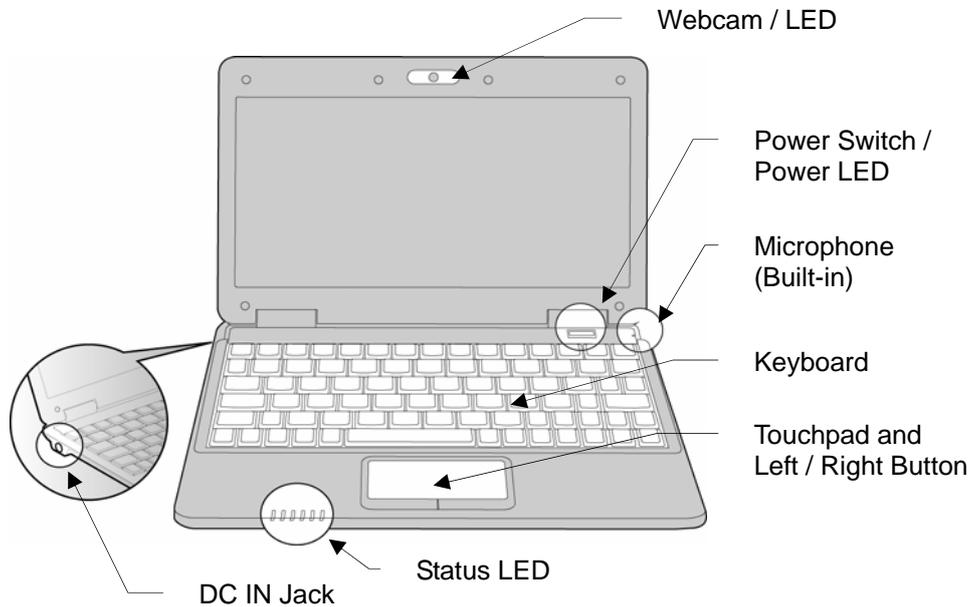
	DO NOT press or touch the LCD Display Panel that may scratch or damage the display panel.
	DO NOT expose to dirty or dusty environments. DO NOT operate during a gas leak.
	DO NOT place on uneven or unstable work surface.
	DO NOT place or drop objects on top of the equipment.
	DO NOT close the LCD Display Panel with a great effort that may damage the display panel.
	DO NOT expose to strong magnetic or electrical fields.
	DO NOT use the equipment in the bathroom.
	Heat dissipate is normal during operating and charging. DO NOT leave the equipment on your lap or any part of the body to prevent discomfort or injury from heat exposure.
	The ventilator is designed to cool the system. DO NOT block the ventilator for air circulation.



1. Keep your hands and feet with optional comfort.
2. Adjust the angle and position of LCD Display Panel.
3. Adjust the height of the desk.
4. Sit straight and keep a good posture.
5. Adjust the height of chair.

Product Overview

■ Front Side View



Webcam / LED

It is a 1.3Mega Pixels Webcam. This built-in webcam can be used for picture taking, video recording, video conferencing, and any other interactive applications. The webcam LED:: standby: Blue, Lit-on / active: Red, Lit-on.

Power Switch / Power LED

Press the power switch to power ON the Equipment. The power LED is Lit-on (Orange) when the power is turned on.

Microphone

It is a built-in microphone.

Keyboard

The keyboard provides all the functions of a full-sized keyboard. Using the [Fn] buttons on the keyboard to activate specific applications.

Note: The “Fn + XX” button will be disabled if the function is not provided. Please check your equipment to make sure whether it provides the function.

Fn + F1	Standby / Sleep
Fn + F2	(No function)
Fn + F3	(No function)
Fn + F4	Webcam: ON/OFF
Fn + F5	(No function)
Fn + F6	Mobile Network: ON/OFF
Fn + F7	Dual Display Switch (LCD / Monitor / LCD + Monitor)
Fn + F8	Brightness Adjustment - Up
Fn + F9	Brightness Adjustment - Down
Fn + F10	Volume adjustment - Up
Fn + F11	Volume adjustment - Down
Fn + F12	Mute: ON/OFF

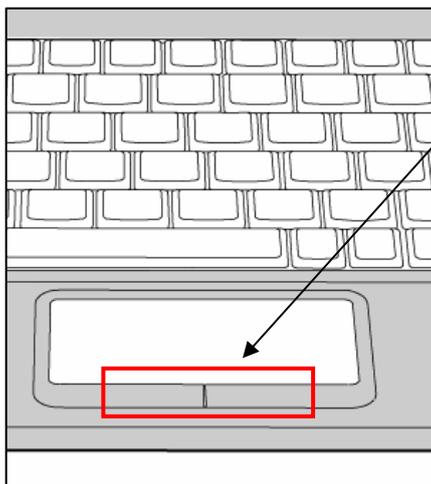
Status LED

Note: The “LED” will be disabled if the function is not provided. Please check your equipment to make sure whether it provides the function.

Items	Icons	LED Status
Power	⏻	Power On: Orange, Lit-on Sleep Mode: Orange, Blink
Battery	🔋	Battery Full: Orange, Lit-on Battery Low: Red, Lit-on Charging: Orange, Blink
RF	📶	(Do not have this function)
Caps Lock	🔑	Caps Lock: Orange, Lit-on
Number Lock	🔑	Number Lock: Orange, Lit-on
Hard Disk	💾	Hard Disk Activity: Orange, Blink

Touchpad and Left / Right Button

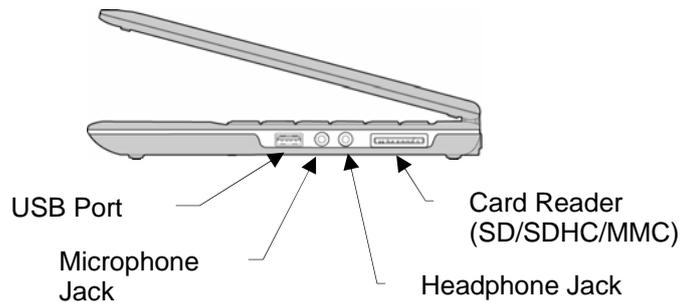
This is used to control the cursor. It acts as same as the mouse.



Effective working
area Left / Right
button

To avoid mistake caused by touch the touchpad when typing, please mark (✓) the item of “Disable pad when typing” in “Finger-sensing Pad” of “Mouse” under the “Control Panel”

■ Right Side View



USB 2.0 Port

The USB 2.0 Port allows you to connect USB-interface peripheral devices, such as Mouse, Portable Hard Disk, and Printer.

Card Reader

The built-in card reader supports SD (Secure Digital), SDHC (SD High Capacity), and MMC (Multi-Media Card).

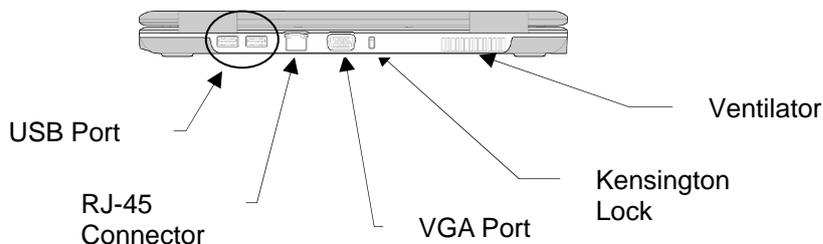
Headphone Jack

The Headphone jack is used to connect speakers and earphone / headphone.

Microphone Jack

The microphone jack is used to connect external microphone.

■ Back Side View



USB 2.0 Port

The USB 2.0 Port allows you to connect USB-interface peripheral devices, such as Mouse, Portable Hard Disk, and Printer.

RJ-45 Connector

The 10/100/1000Mb/s RJ-45 Connector is used to connect a LAN Cable for network connection

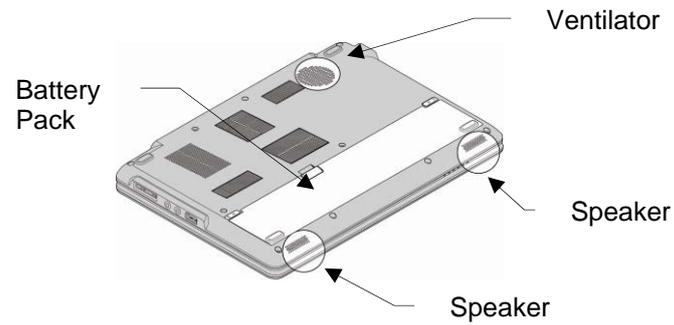
VGA (D-Sub) Port

The VGA Port allows you to connect an external monitor for a great view.

Kensington Lock

The Lock allows you to secure the equipment in place with a key and attached through a metal cable.

■ Bottom Side View



Battery Pack

The battery is 2S1P, 4000mAh, Li-Polymer.

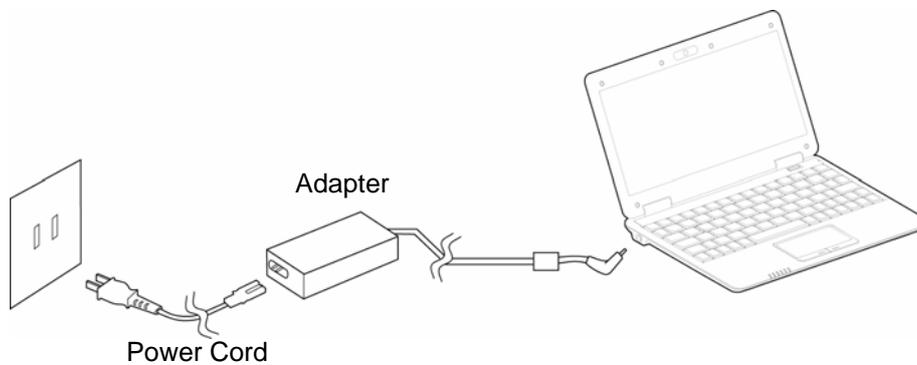
Ventilator

The ventilator is designed to cool the system. DO NOT block the ventilator for air circulation.

Speaker

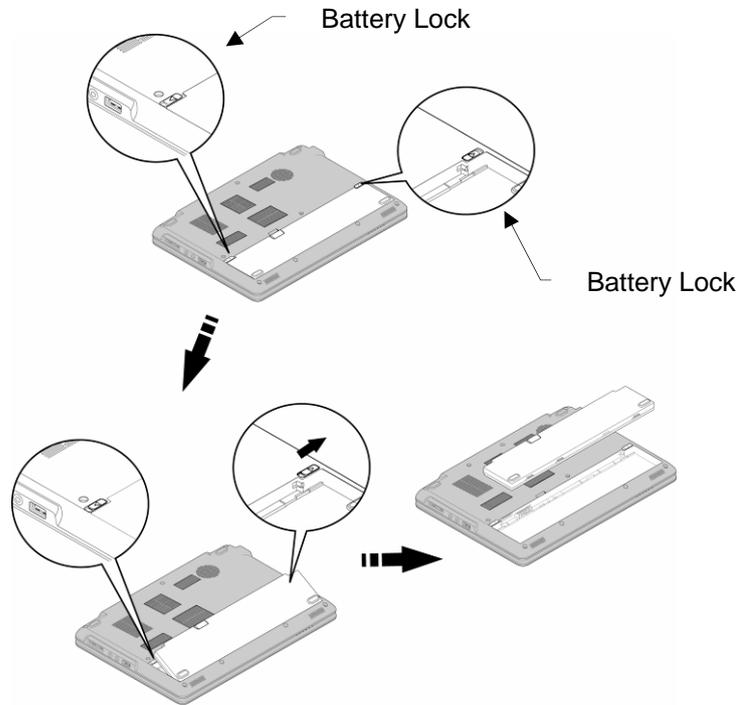
The equipment provides two speakers with stereo system.

■ Connecting the AC Adapter



■ Remove the Battery Pack

1. Make sure the equipment is turned off and the AC Adapter is disconnected.
2. Push and hold the battery lock button to the release position.
3. Lift and pull the battery pack out of the equipment.



CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

Specification

Item	Specification
CPU	VIA Nano 1.3GHz / FSB 800MHz
Chipset	VIA VX800
Memory	DDRII-667 1GB
Graphic	VX800 Integrated 2D/3D Graphic Core MSPII
LCD panel	11.6" WXGA 1366 x 768, LED Backlight
HDD	2.5" HDD, SATA,160GB
Speaker	X2
Microphone	Built-in Microphone and Microphone Jack
Webcam	1.3 Mega Pixel
LAN	10/100/1000 Mbps
I/O	VGA(D-Sub) Port X1 USB Port X3 RJ45 X1 Microphone Jack X1 Headphone Jack X1 Card Reader(SD/SDHC/MMC) X1 SIM Card Slot X1 DC IN Jack X1
Status LED	Power, Battery, RF, Caps Lock, Number Lock, Hard Disk, Power Switch, Webcam
Battery	2S1P 4000mAH Li-Polymer Battery
Dimension	281(L) x 198(W) x 27(D) mm
Weight	<1.3kg

BIOS Setup

■ About BIOS Setup

When to Use BIOS Setup?

You may need to run the BIOS Setup when:

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

How to Run BIOS Setup?

1. To run the BIOS Setup Utility, turn on the equipment and press the [F2] key during the POST procedure.
 2. 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]+[Delete] keys to restart.
 3. Be noted that the screen snaps and setting options in this chapter are for your references only.
 4. The actual setting screens and options on your equipment may be different because of BIOS update.
-

■ BIOS Setup Menu

When you enter the BIOS Setup Utility, the Setup Menu will appear on the screen. Select the tags to enter the menu you want to set up.

Each Menu has its own purpose; please check below for the definition

1. Main Menu

Show system overview information about BIOS version, CPU features, memory size and setting of system time and date.

2. Advanced Menu

Configure IDE settings.

3. Boot Menu

Set up boot type and boot sequence.

4. Security Menu

Install or clear Supervisor's and user's password settings.

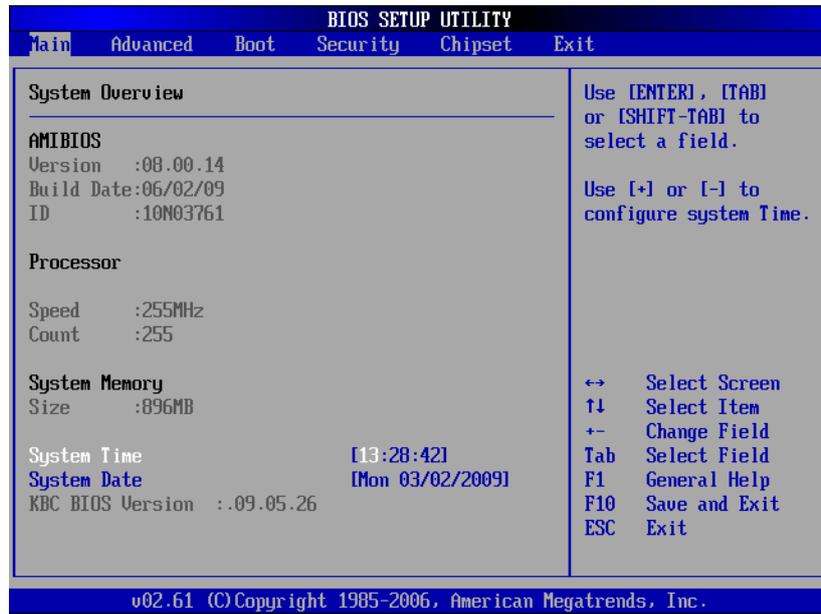
5. Chipset Menu

Configure VGA Frame Buffer Size

6. Exit Menu

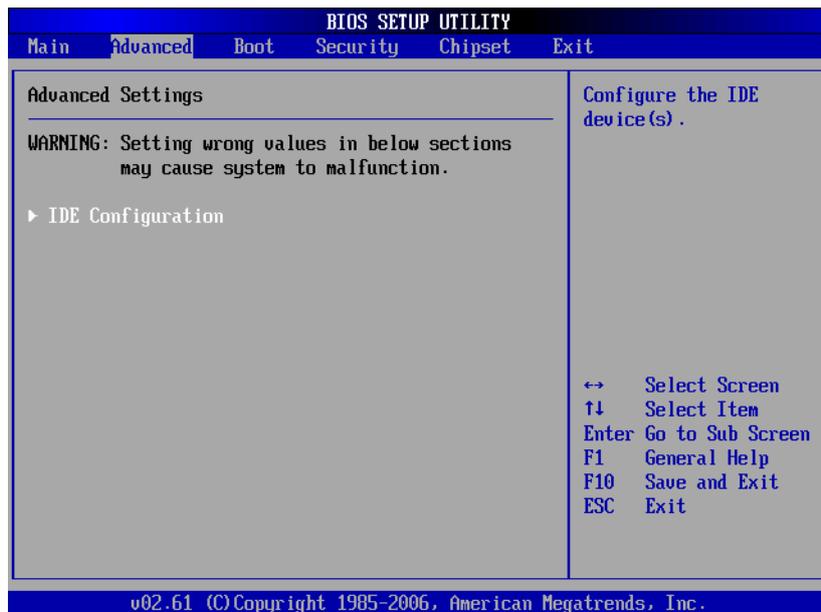
Save or discard the changes before leaving the BIOS Setup Menu.

1. Main Menu



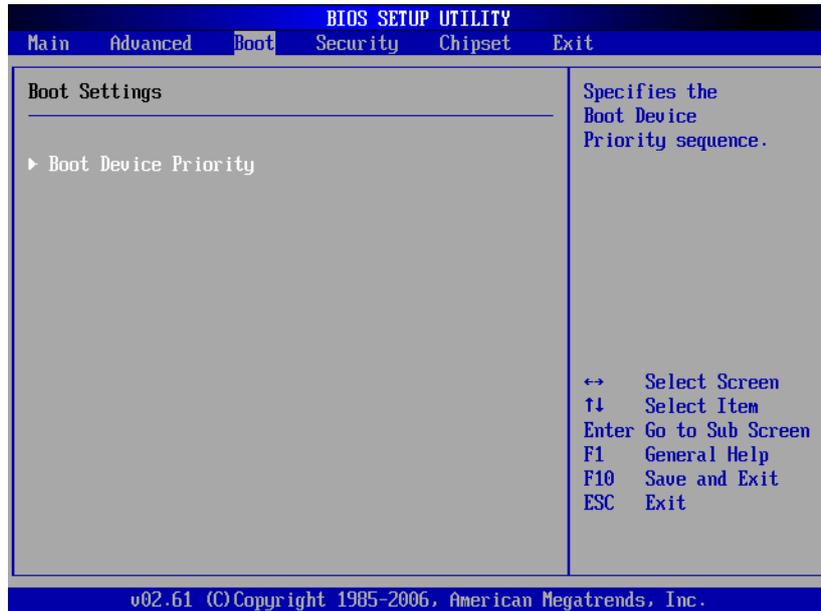
- **System Time**
This item allows you to set the system time. The system clock will go on to run no matter you shut down the equipment or set to sleep mode. The time format is [Hour:Minute:Second].
- **System Date**
This item allows you to set the system date. The date format is [Week:Month:Day:Year].

2. Advanced Menu



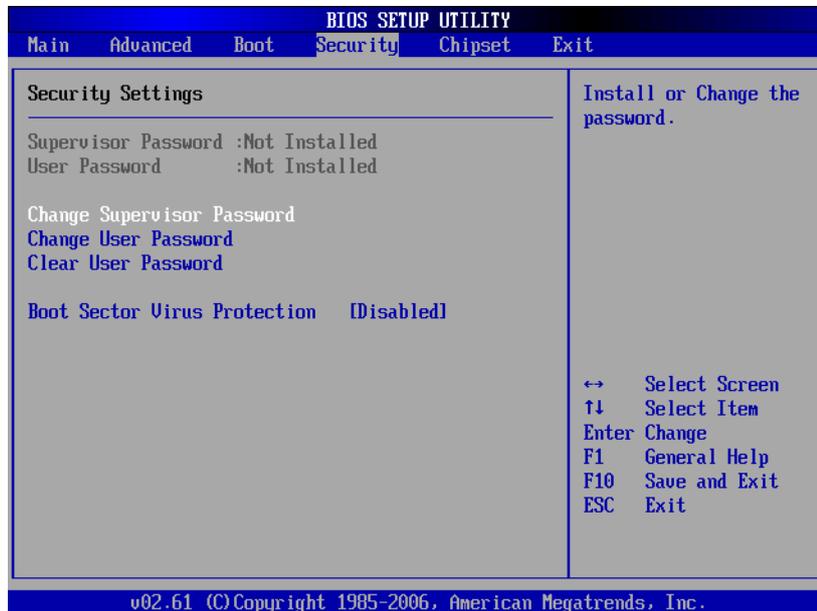
- **IDE Configuration:** to configure the IDE device.

3. BOOT Menu



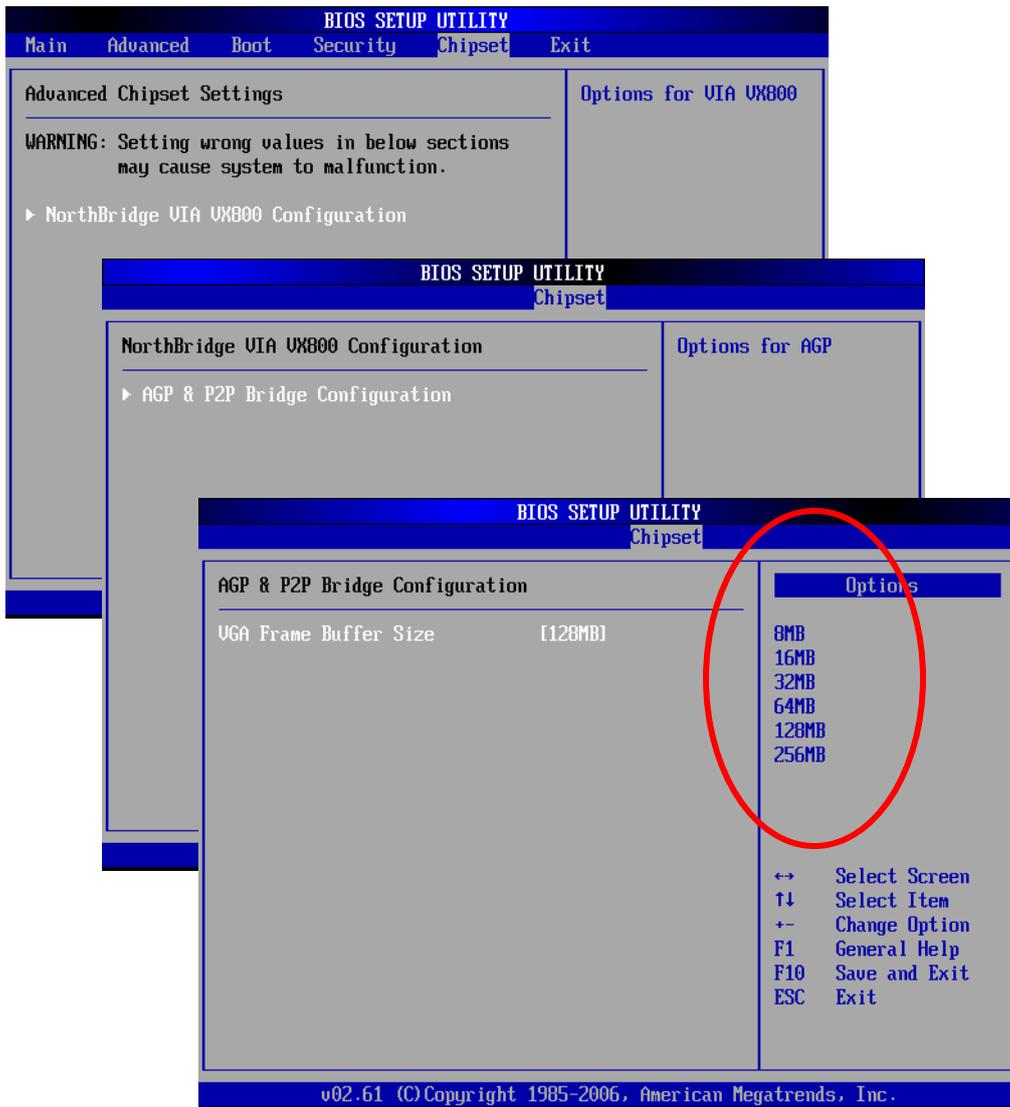
- Boot Device Priority: to specify the boot device priority sequence.
-

4. Security Menu



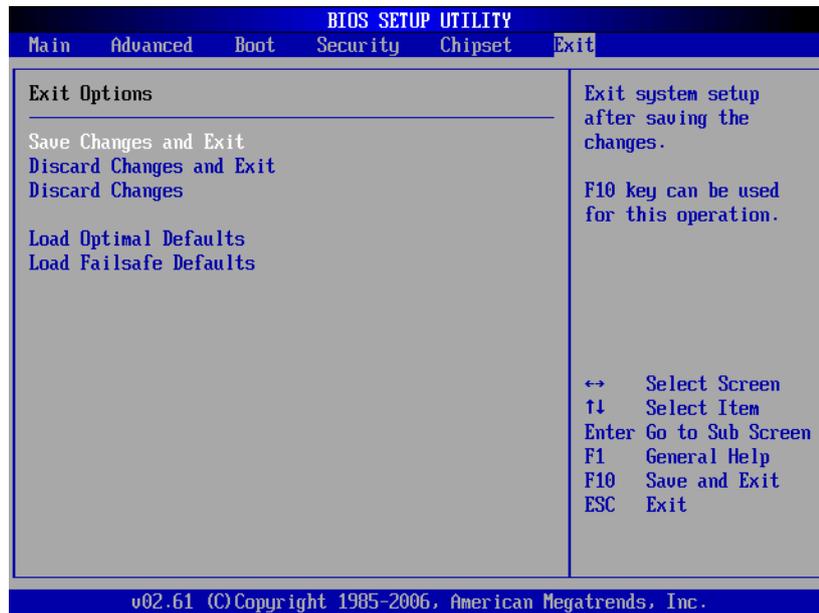
- Change Supervisor Password: to install or change the password.
 - Change User Password: to install or change the password.
 - Clear User Password: to clear the user password.
-

5. Chipset Menu



- Configure the VGA Frame Buffer Size.

6. Exit Menu



- Save Changes and Exit: to save the changes you have made and exit the utility.
 - Discard Changes and Exit: to exit the utility without saving the changes you have made.
 - Discard Changes: to abandon your changes and reload the previous configuration before running the utility.
 - Load Optimal Defaults: to load optimal default values for all the setup questions.
 - Load Failsafe Defaults: to load failsafe default values for all the setup questions.
-

■ How to update BIOS Firmware

How to update BIOS Firmware under DOS:

1. Prepare a USB Flash to open system to DOS.
 2. Download BIOS update tool (BIOS_080_Dos.rar). (You may need to contact the distributor / retailer for where to download the BIOS update tool)
 3. Decompress "BIOS_080_Dos.rar", there are three programs as below:
 - Update.bat
 - 10N03080.rom
 - AFUDOS.exe
 4. Copy these three programs to the root directory of USB Flash.
 5. Turn on the equipment and press F2 to enter BIOS Setup Menu. Change 1st Boot Device to USB in Boot, then save and exit.
 6. Restart and enter DOS Environment, input "Update" and start to update BIOS Firmware, for example, C:\Update.
 7. Complete the update and the system will return to C:\. Press "Power Button" to turn off the equipment.
 8. Remove the AC Adapter and battery pack from the equipment.
 9. Connect the AC Adapter and load the battery pack to the equipment in 30 seconds.
 10. When first time start the equipment, the screen will stop at the BIOS Self-test screen. There are two options as below:
 - Press F1 to Run SETUP
 - Press F2 to load default values and restart
 11. Press F2 to restart the equipment and complete the update.
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How to update BIOS Firmware under Windows:

1. Download BIOS update tool (BIOS_080_Win.rar). (You may need to contact your distributor / retailer for where to download the BIOS update tool)
2. Decompress BIOS_080_Win.rar, there are four programs as below
 - 10N03080.exe
 - Ucoresys.sys
 - UCOREVXD.VXD
 - UCOREW64.SYS
3. Execute 10N03080.exe, and the screen will display as below. Click "OK" to start update.



When the update is complete, the system will restart automatically.

4. When first time start the equipment, the screen will stop at the BIOS Self-test screen. There are two options:
 - Press F1 to Run SETUP
 - Press F2 to load default values and restart
5. Press "Power Button" to turn off the equipment.
6. Remove the AC Adapter and battery pack from the equipment.
7. Connect the AC Adapter and load the battery pack to the equipment in 30 seconds, then restart the equipment.
8. You may see the screen stop at BIOS Self-test screen and there are two options as below:
 - Press F1 to Run SETUP
 - Press F2 to load default values and restart
9. Press F2 to restart the equipment and complete the update.

Appendix

■ Battery Setup

In order to keep you battery in the best status, please set your battery to “Portable/Laptop” or “Max Battery”.

Steps as below:

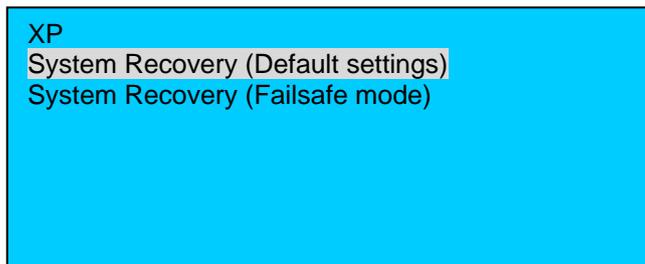
1. Click right key on the desktop.
2. Select “Properties”.
3. Select “Screen Saver”.
4. Select “Power” in the screen of “Screen Saver”.
5. Select “Power Schemes”
6. Extend “Power Schemes” item and select “Portable/Laptop” or “Max Battery”.

System Recovery

Warning:

Recover the system will delete all data in the hard disk, please make a copy of all your personal data in advance.

1. Please press and hold ↑ or ↓ button during the power on process. When the screen display as below, please select “System Recovery (Default Settings)” to recover the system.



2. Press ↵ (Enter) to start system recovery.
3. Display the message of confirmation, if yes, please enter y and press ↵ (Enter).
4. Display the message of confirmation, if yes, please enter y and press ↵ (Enter).
5. System Recovery starts ◦
Note: Please use the AC Adapter when recover the system.
DO NOT turn off the equipment during the system recovery.
6. When the system recovery is complete, the equipment will turn off automatically.

Note:

1. If it is unable to recover the system by using “System Recovery (Default setting)”, (for examples, 1. no processing bar displayed; 2. the processing bar stuck over 30 seconds; 3. Caps Lock LED is blinking), please restart your equipment and select System Recovery (Failsafe mode) to recover the system.
2. If select System Recovery (Failsafe mode) to recover, the system will not turn off automatically when the recovery is complete. Please turn off the equipment by pressing the “Power Switch” when the “system halted” displayed.

FCC Statement

Federal Communication Commission Interference Statement

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 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.

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. FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

For FCC ID: TLZ-BT253 Model: AW-BT253 (module inside system)

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

For FCC ID: TX2-RTL8187SE Model: RTL8187SE (module inside system)

This EUT is compliance with SAR for general population/uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C.

Thailand NTC

This telecommunication equipment conforms to NTC technical requirement.