HANNSpree

HannsBook SN12E2 Series

USER'S MANUAL

Trademark:

All trademarks are the property of their respective owners.

Version:

User's Manual V1.0 for Notebook.

Symbol Description:

Caution: Refers to important information that can help you to use Notebook better, and tells you how to avoid problems.

WEEE:

The use of this symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased this product.

Safety Precautions

The following safety precautions will increase the life of the Notebook. Please follow all precautions and instructions. Except as described in the manual, refer all servicing to qualified personal.

- Do not place on uneven or unstable work surfaces. Seek servicing if the casing has been damaged.
- Do not expose to dirty or dusty environment. And Do not operate during a gas leak.
- Do not leave the Notebook on your lap or any part of the body to prevent discomfort or injury from heat exposure.
- Do not press or touch the display screen. Do not place together with small items that may scratch or enter the Notebook.
- The Notebook should only be used in environment with ambient temperature between 0℃(32℉) and 40℃(104℉).
- Do not place or drop objects on top.
- Do not expose to or use near liquids、rains、moisture or strong magnetic or electrical fields.
- Do not carry or cover a Notebook that is powered on with any materials that will reduce air circulation such as a carrying bag.
- Do not throw the Notebook in municipal waste. Check local regulations for disposal of electronic products.
- Wipe the Notebook using a clean cellulose sponge or chamois cloth dampened with a solution of nonabrasive detergent and a few drops of warm water and remove any extra moisture with a dry cloth.
- Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
- Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

Table of Contents

Notebook

Introduction to Your Notebook

■　Accessories

■　External Appearance

■　Setting Up Your Computer

■　Touchpad Usage

■　Special Function Keys

1

1-1 Accessories

Check your product package for the following items:

● Notebook

● Battery Pack

● Adapter

● AC Power Cable

● Driver DVD

● Recovery DVD

● Quick Installation Guide

● Warranty Card
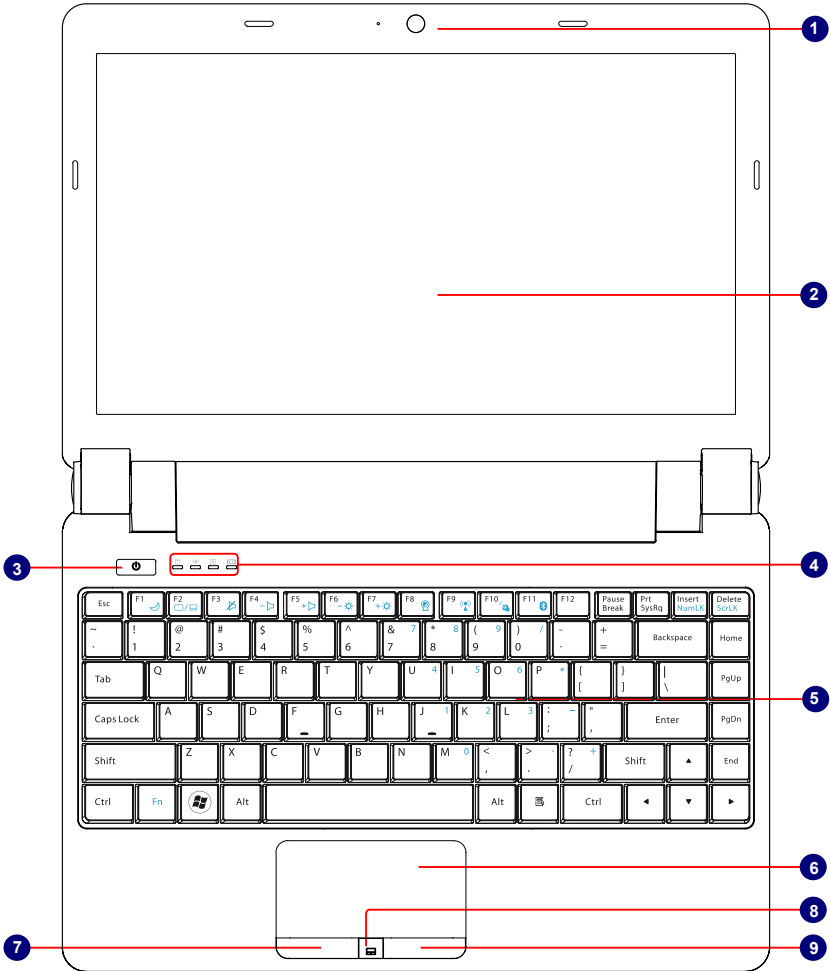
● Carry Bag

● Wiping Cloth

⚠ **CAUTION**

Before your purchase, if any of the above items is damaged or missing, please contact your retailer.

1-2 External Appearance

Refer to the diagram below to identify the components on every side of the Notebook.
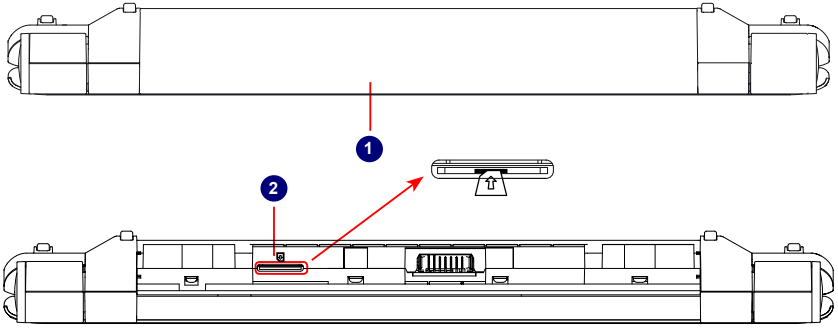
1. Top View

!CAUTION

Your Notebook keyboard may vary depending on the country/region of purchase.

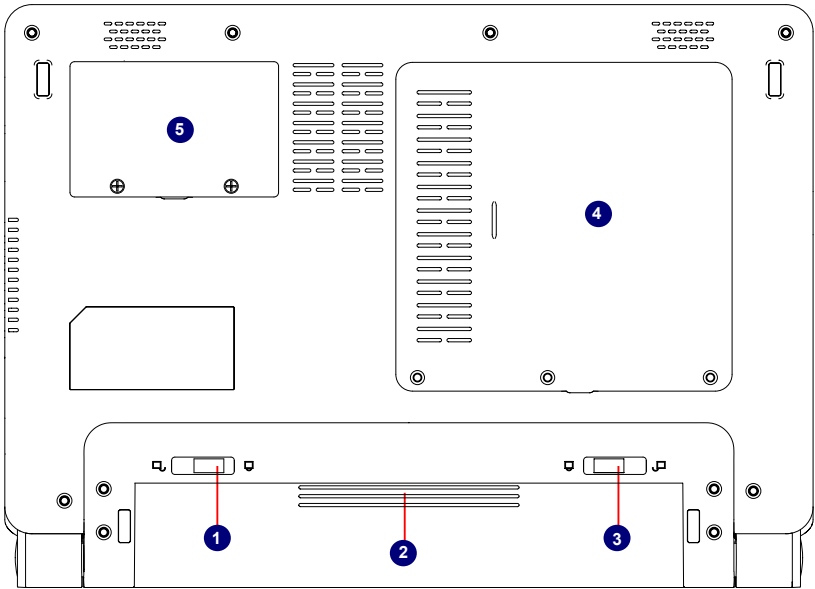| No.	Item	Description
1	Web Camera	Records videos or take photos
2	LCD	LED backlight panel
3	Power Button	Button for turning the computer's power on/off
4	Status Indicators	**From left to right:** **a. HDD** ● Blinking blue when data is written to or read from the hard disk drive. **b. Wireless LAN** ● The indicator glows blue when wireless LAN function is enabled. ● The indicator is off when wireless LAN function is disabled. **c. Caps Lock** ● Glowing blue when the keyboard is in Caps-lock mode. **d. Battery** ● Glowing blue when the battery is being charged. ● Blinking blue when the battery is in low battery status. ● The indicator goes out when the battery is fully charged.
5	Keyboard	Input device used for controlling the Notebook's various functions
6	Touchpad	Works the same way as a mouse and is used for controlling the computer cursor
7	Left Touchpad Button	Works the same way as the left mouse button
8	Touchpad Lock Button	Press the button to lock or unlock the touchpad
9	Right Touchpad Button	Works the same way as the right mouse button

2. Rear View

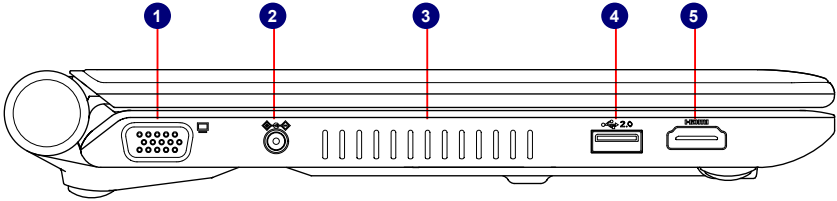| No.	Item	Description
1	Battery Pack	Replaceable battery pack that serves as Notebook's power supply
2	SIM Card Slot (Optional)	To insert the SIM card into the slot and make sure that the gold pins of SIM card are downward. *Warning:* Please do not insert or pull out the SIM card when power-on, otherwise the data may lose or the card would be damaged.

1

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3. Bottom View

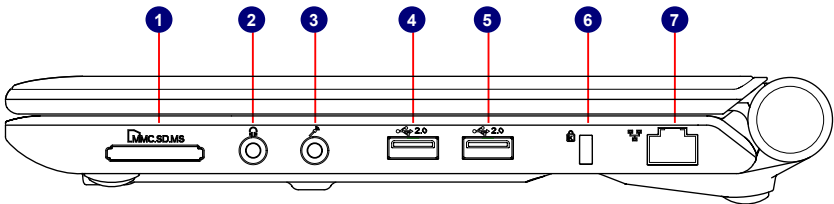| No.	Item	Description
1	Battery Lock	Slide inwards to lock the battery in place. Slide outwards to unlock battery.
2	Battery Pack	Replaceable battery pack. Serves as the Notebook's power supply
3	Battery Latch	Push outwards to release battery for removal
4	Hard Disk Cover	The Hard Disk Cover protects the internal hardware. Open to exchange device
5	Memory Cover	The cover is to protect the memory from damage. Open to exchange device

CAUTION

When the computer is running or charging, heat is produced inside the Notebook and transferred to the back of the chassis by the heat dissipation system for cooling. The transformer may also produce a lot of heat during normal use as well. The Notebook and its transformer should therefore not be placed in the lap or on any other body part for prolonged periods during use. Also avoid placing the Notebook on a soft surface (e.g. sofa) as it might block the heat vents and interfere with cooling.

4. Left View

No.	Item	Description
1	VGA Port	Connects to an external display
2	Power Port	Connects to the external power supply
3	Vent	Notebook's cooling vent
4	USB Port	Connects to USB 2.0 device
5	HDMI Port	The HDMI(High-Definition Multimedia Interface) provides an all-digital audio/video interface to transmit the uncompressed audio/video signals and is HDCP compliant. Connect the HDMI audio/video device to the port.

5. Right View

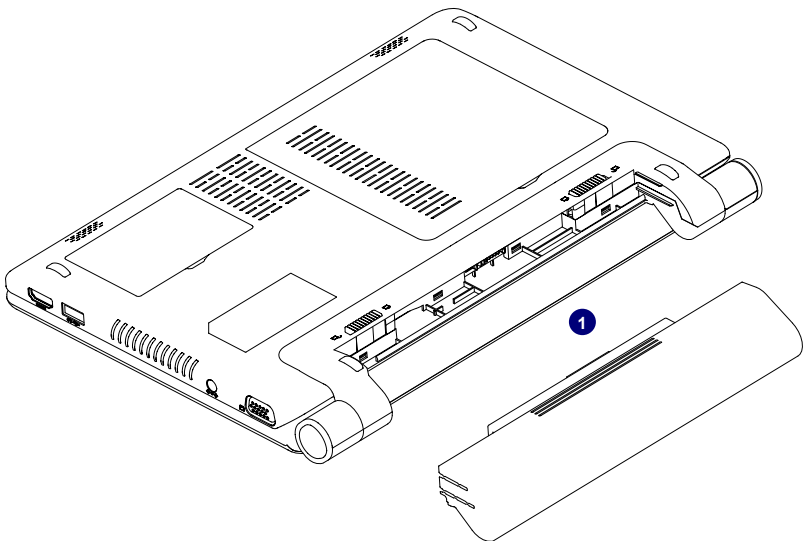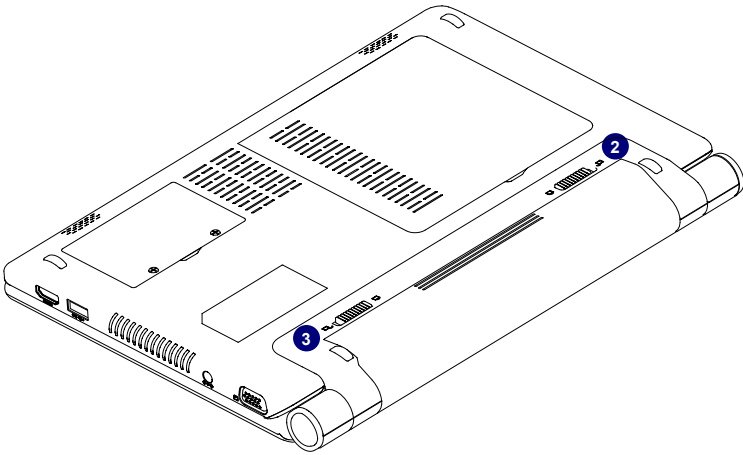| No.	Item	Description
1	Memory Card Slot	Supports MMC/SD/MS memory cards
2	Headphone	Connects to external headphone
3	Microphone	Connects to external microphone
4	USB Port	Connects to USB 2.0 device
5	USB Port	Connects to USB 2.0 device
6	Anti-Theft Lock Slot	Attach a Kensington security system or a compatible lock to secure your Notebook
7	Network Port	Standard RJ-45 network port

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1-3 Setting Up Your Computer

1. Installing/Removing the Battery

Please install the battery before using the Notebook and connect the external power supply transformer. The Notebook can be powered by the battery or the external transformer. If you are in an office environment, we recommend using the external transformer as much as possible. If you are away from the office and no power socket is available, use the battery instead.
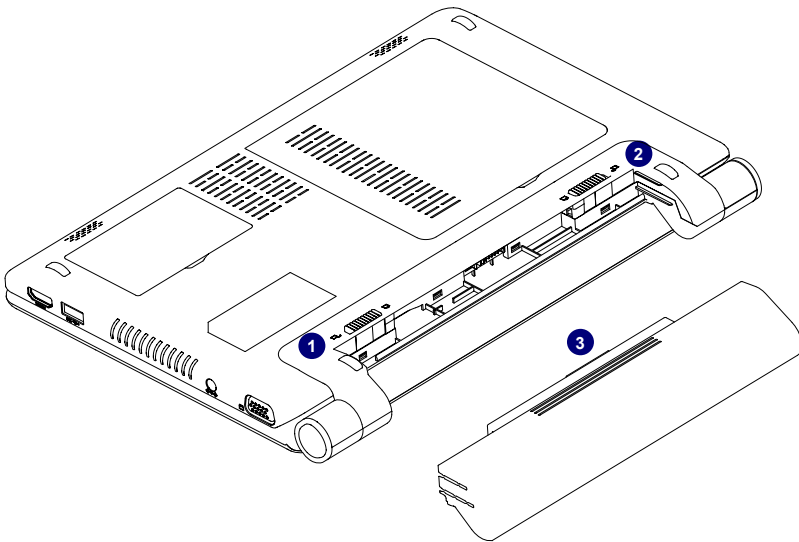
Installing the Battery

1. Turn the Notebook over and have the back of the battery facing upwards as well. Now push the end of the battery with the metal contacts into the Notebook's battery slot evenly and slowly along the battery rails.

2. Push the end of the Notebook battery with the metal contacts completely into the battery slot. When there is a "click", this means the battery latch has engaged and the battery is now secured to the Notebook.

3. Push the Battery Lock inwards lightly to lock the battery in place.

Removing the Battery

1. Shut down the Notebook. Disconnect all cables and devices.

2. Turn the Notebook over and unlock the battery by pushing the Battery Lock outwards.

3. Push the Battery Latch outwards and hold it in place with your finger. Now use the other hand to pull the battery out.
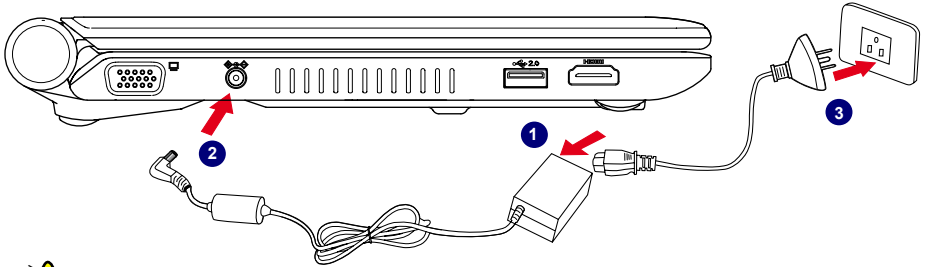

⚠ CAUTION

Do not remove the battery while the Notebook is still running. This may damage the data on the hard disk.

2. Connecting the Power Supply

The AC transformer provides external power source to your notebook and charges the battery pack at the same time. The AC transformer also has an auto-switching design that can connect to any 100V AC - 240V AC power outlets.
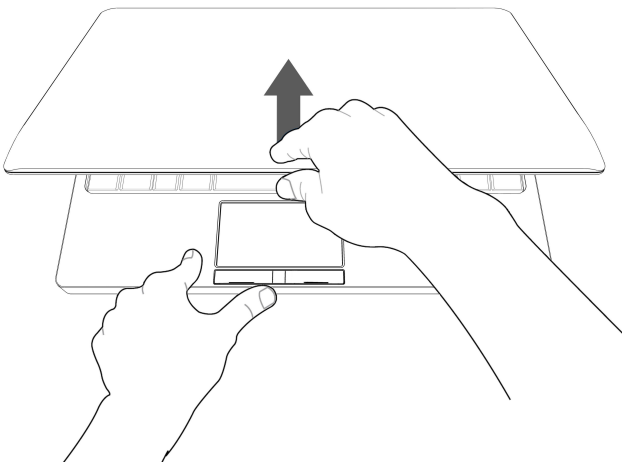
1. Plug the power cord into the power socket of the AC transformer.

2. Plug the connector of the AC transformer to the DC port of Notebook.

3. Plug the other end of the power cord to a live power outlet.
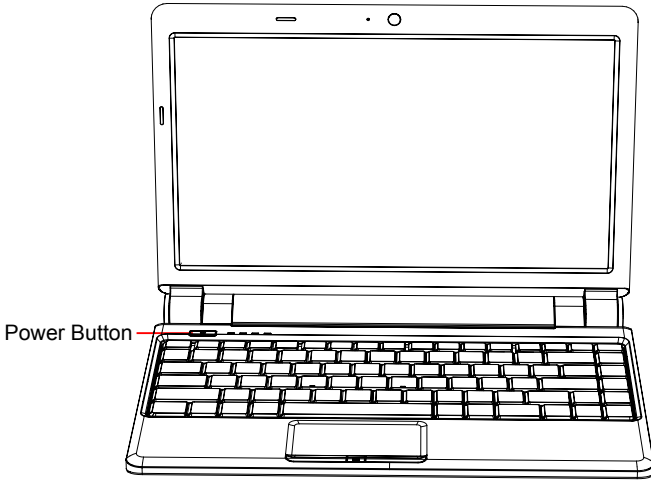

CAUTION

The connector of the power cord for the power outlet may vary depending on the local national standards. The appropriate connector will be bundled with your Notebook. Please always use the connector to connect the power outlet. The connector shown here may not match the type included in the box and is provided for reference only.

3. Startup

1. Open the screen of your Notebook.

2. Turn on the machine by pressing the Power Button.
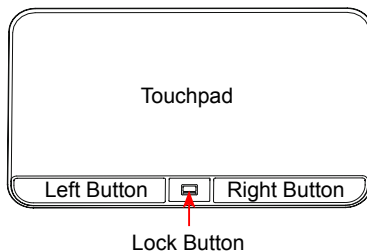
Power Button

4. Emergency Shutdown

When the Notebook cannot be shut down through normal means, please press and hold the Power Button until the Notebook powers off.

1-4 Touchpad Usage

1. Introduction to the Touchpad

The touchpad is like a computer mouse. It senses the pressure from the user's finger and generates a voltage that is used to control the cursor's movements and issue commands.

The touchpad senses finger movements. Simply move one finger across the touchpad to control the movement of the cursor on screen. Below the touchpad is three buttons. The left button is like the left mouse button and is used for selecting options or launching programs on screen. The right button works the same way as the right mouse button. The lock button is to lock or unlock the touchpad.

Touchpad

Left Button   Right Button

Lock Button

2. Single Tap/ Single Click

To select a window function or press a button icon, move your finger across the touchpad to move the cursor to the window or button to select. Now tap the touchpad with your finger to perform the action. This action is equivalent to pressing the left mouse button. You can also press the left touchpad button for the same effect.

3. Double Tap/ Double Click

To open a file or document, move your finger across the touchpad to move the cursor to the file you wish to open. Now quickly tap the touchpad twice with your finger to perform the action. This action is equivalent to pressing the left mouse button twice. You can also press the left touchpad button twice for the same effect.

4. Drag

Move your finger across the touchpad to move the cursor to the object you wish to drag. Now hold down the left touchpad button with one hand and move the cursor to the desired location. Release the button and complete the drag operation. You can also double tap the object you wish to drag and keep the finger on the touchpad after the second tap to perform the drag operation with one hand.

5. Multi-finger Gesture Input

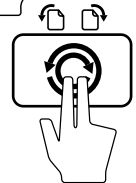| Finger gesture	Applications
Two-finger zooming in/out	Adobe Reader, Windows Photo Viewer
Two-finger rotating	Adobe Reader, Windows Photo Viewer
Two-finger scrolling up/down or left/right	Adobe Reader, MS Word, MS Excel

● Two-finger zooming in/out:
Moving two fingertips apart or together on the touchpad to zoom in or zoom out. This is convenient when viewing photos or reading documents.
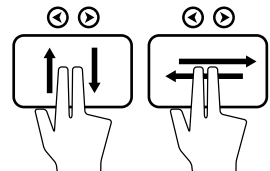
● Two-finger rotating:
Making two fingertips open slightly to draw a concentric circle on the touchpad to rotate the photo or the document you are viewing. You can make a clockwise or counterclockwise rotation based on your needs.

● Two-finger scrolling up/down or left/right:
Making two fingertips open slightly to slide up/down or left/right on the touchpad to scroll a window up/down or left/right.
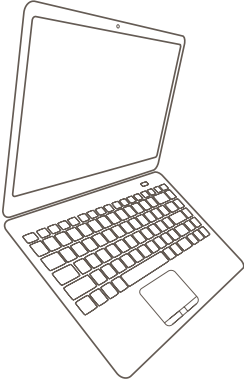

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1-5 Special Function Keys

The following defines some special function keys on the Notebook.

Function Keys	Description
Fn + F1	Enter sleeping mode
Fn + F2	Switches to the external display
Fn + F3	Audio on or off
Fn + F4	Decrease audio volume
Fn + F5	Increase audio volume
Fn + F6	Decrease the display brightness
Fn + F7	Increase the display brightness
Fn + F8	Web Camera on or off
Fn + F9	Wireless LAN on or off
Fn + F10	3G on or off
Fn + F11	Bluetooth on or off
Fn + Insert	"Number Lock" on or off
Fn + Delete	"Scroll Lock" on or off

1

Notebook

Install Windows 7 in Notebook

■ Setting BIOS and Install a new Windows 7 system

■ Install Drivers in Windows 7

2

Install Windows 7 in Notebook
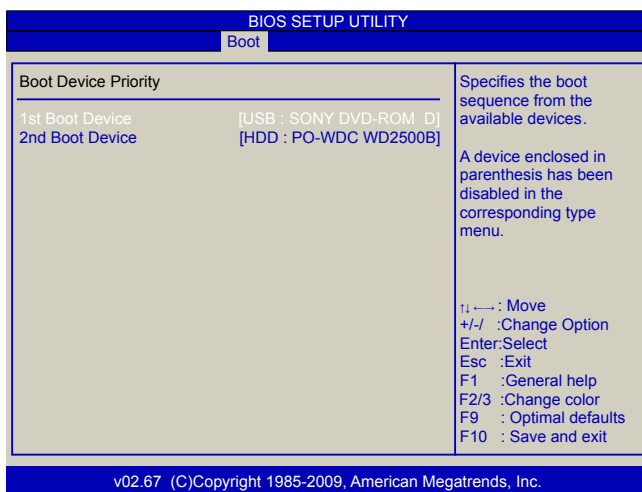
Make sure you have these ready:

An USB DVD drive, a Notebook driver CD, Windows 7 Install CD
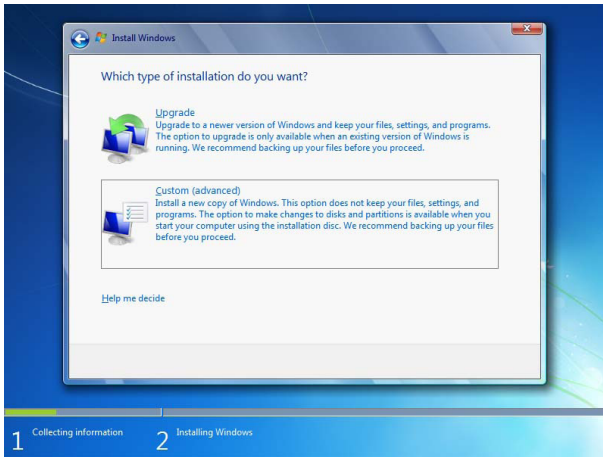
Before you continue :

■ Shut down your computer

■ Connect the USB DVD drive to an USB port of Notebook and connect the power cord to AC power

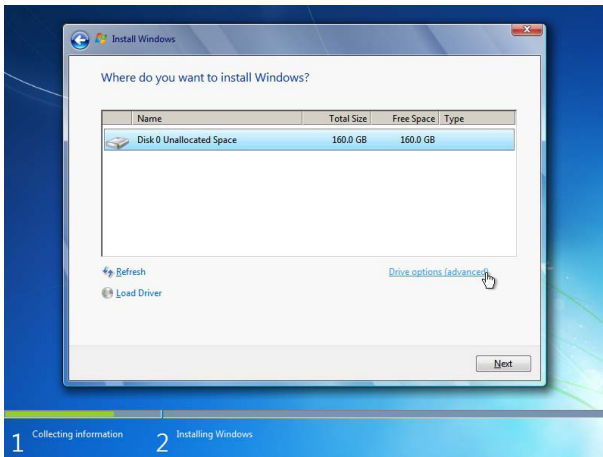## 2-1 Setting BIOS and Install a new Windows 7 system

1. Power on your Notebook, then press <***Del***> to enter BIOS setup during POST, set "***1st Boot Device***" to "***USB : SONY DVD-ROM D***"(DVD drive name) in "***Boot***" -> "***Boot Device Priority***" menu, the figure is shown as below. And then save changes and exit BIOS.

2

```
                    BIOS SETUP UTILITY
                         Boot

Boot Device Priority                          Specifies the boot
                                              sequence from the
1st Boot Device        [USB : SONY DVD-ROM D] available devices.
2nd Boot Device        [HDD : PO-WDC WD2500B]
                                              A device enclosed in
                                              parenthesis has been
                                              disabled in the
                                              corresponding type
                                              menu.


                                              ↑↓ ←→: Move
                                              +/-/ :Change Option
                                              Enter:Select
                                              Esc  :Exit
                                              F1   :General help
                                              F2/3 :Change color
                                              F9   : Optimal defaults
                                              F10  : Save and exit

        v02.67  (C)Copyright 1985-2009, American Megatrends, Inc.
```
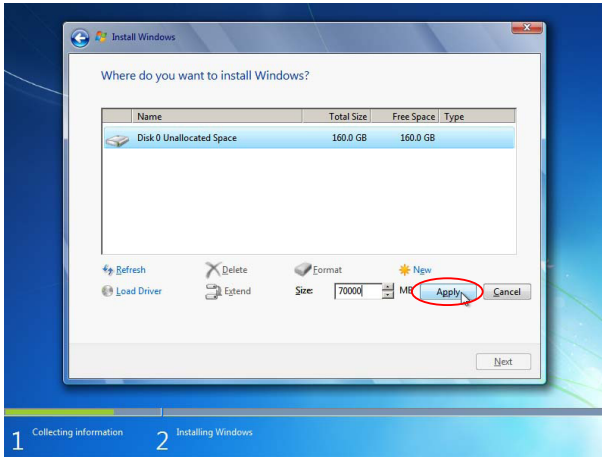
2. Put the Windows 7 Install CD into the USB DVD drive.
3. The computer will reboot, and it will start loading files for installing Windows 7 system.
4. After that, it will start Windows and come out a "***Install Windows***" dialog box to set the "***Language to install***", "***Time and current format***" and "***Keyboard or input method***". Click "***Next***" to continue and click "***Install now***" button to start the setup.
5. When the license terms appears, select to accept and click "***Next***" to continue.
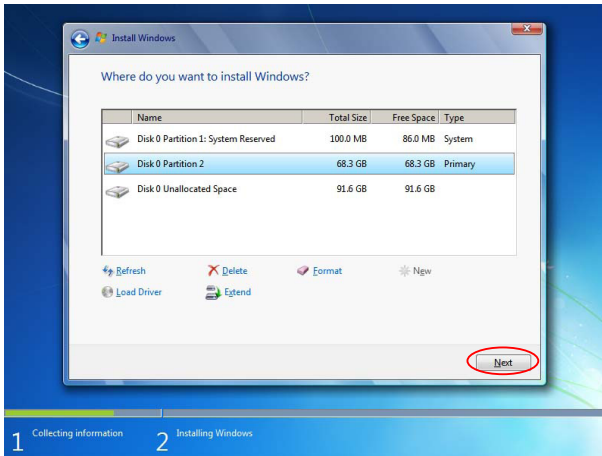6. It then asks you to select the installation type. Click "***Custom (advanced)***" to install a new copy of Windows.

7. The setup will display the hard disk partitions (160GB, in this example) of your system. If there were other systems (such as Linux) installed previously, you need select them and click "*Drive options (advanced)*" -> "*Delete*" to delete them. When all partitions are clean, setup will display the biggest size of your hard drive.
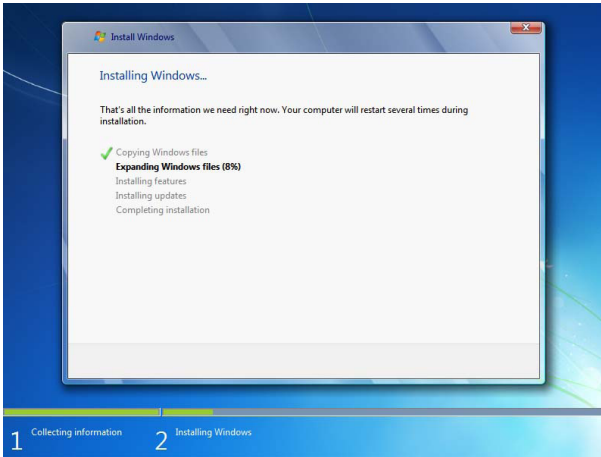

8. In this biggest hard disk size screen, you can click "*Drive options (advanced)*" -> "*New*" to create partitions as you need. In this example, we are creating a 70GB partition to install Windows, and click "*Apply*" to continue.

To ensure that all Windows features work correctly, Windows might create additional partitions for system files. So you will see a 100MB partition reserved by system after you create a partition. Select the 70GB partition and click "*Next*" to continue.

9. From this step we start to install windows 7 into your hard disk. During the process, your computer will restart several times.
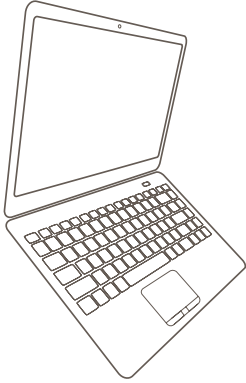
10. When the installation is complete, setup will prepare your computer for the first use. Then you can follow steps to select system settings, create an account, set a password...etc, until the whole process is complete and enter Windows 7 system.

2-2 Install Drivers in Windows 7

1. When the Windows 7 is completely installed, you have to install the necessary drivers before using the Notebook. Take out the Windows 7 Install CD from the USB DVD drive, and put the driver CD inside. Waiting for a few seconds, the main menu will be displayed on the screen.

2. Use these options to install all the drivers for your system. You must click "*Intel Chipset Driver*" to install it first. After that, you can click "*One Click Setup*" to install all the other drivers, or you can click on each individual driver to install it manually.

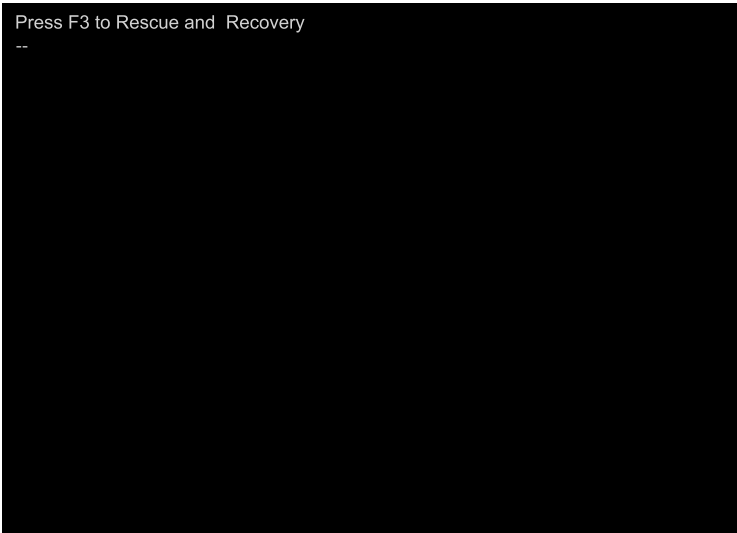3. After all the drivers are installed, you need to restart your Notebook, then you can start using it.
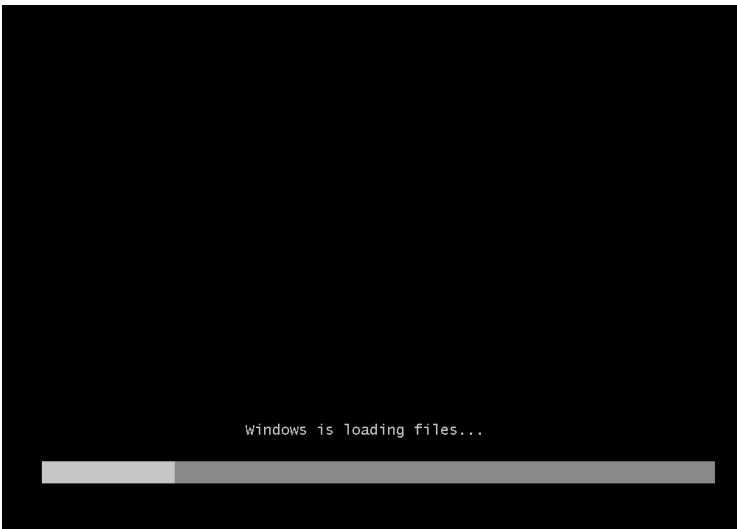
Notebook

Recovery of Windows 7 System

3

Recovery of Windows 7 System

1. Power on the computer, when the message "*Press F3 to Rescue and Recovery*" appears on the top of the screen, press "*F3*" to enter the recovery interface.

2. System prepares for the recovery after pressing "F3" key.

```
Windows is loading files...
```

3. Recovery begins after clicking "*Start*" in the following image.

4. When the following image appears, click "*OK*" to continue.

5. Recovery is accomplished when the following image appears, click "*OK*" to finish it.

6. Now, click "*Restart*" to reboot the system.

Notebook

Introduction to the Linux System

- ■ Overview
- ■ Recovery of Linux system
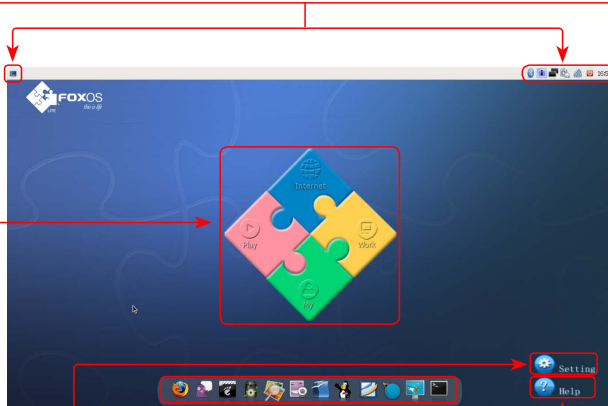
4

4-1 Overview

After turning on the Notebook, when you log in Linux system, the following screen will appear:

From left to right is in turn:
a. Show Desktop icon   b. Bluetooth icon(optional)
c. iBus Input Method icon   d. Network connection status icon
e. Power icon   f. Volume icon
g. Exit icon   h. Time icon

The four parts provide various applications to meet the needs of your work, life and entertainment, detailed refer to help page.

You can click these icons to go to the corresponding utilities.

Click "*Setting*" to open the page to optimize the system.

Click "*Help*" to open the page, please refer to the content of the page about detailed description of the system.
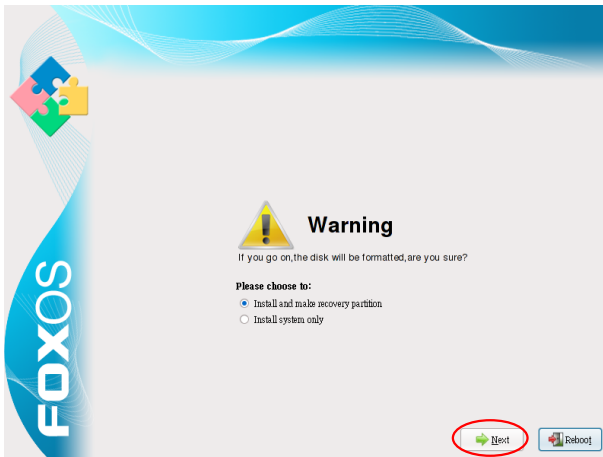
4-2 Recovery of Linux system
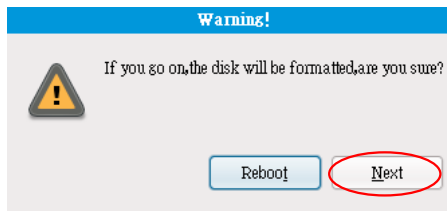
● **From DVD to recover system**

1 Boot from DVD

Power on the computer, insert the system Installation DVD into the DVD drive, press "*F11*" to select booting system from the DVD drive.

2 Select the way of Installation

When the figure as below shows, select "*Install and make recovery partition*", the system will be installed and a recovery partition will be made. Or select "*Install system only*", the system will be installed without recovery partition, so recover system from hard disk is impossible.
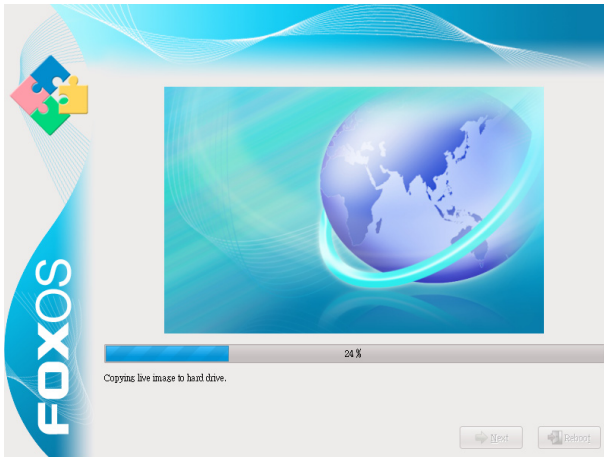

3 Click "*Next*", the warning box is shown as below:

4 Installing system

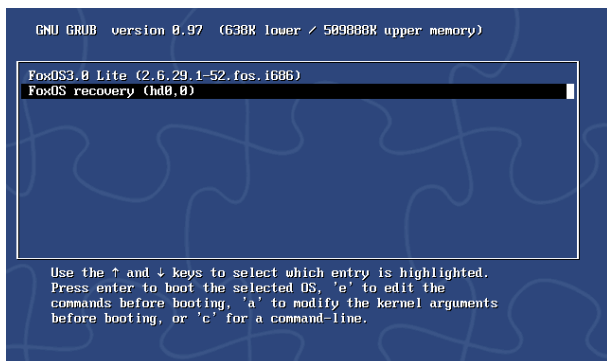Click "*Next*" to format hard disk and install system. The figure is shown as below:

5 After installing, click "*Reboot*" to restart the system.

Congratulations, the installation is complete.
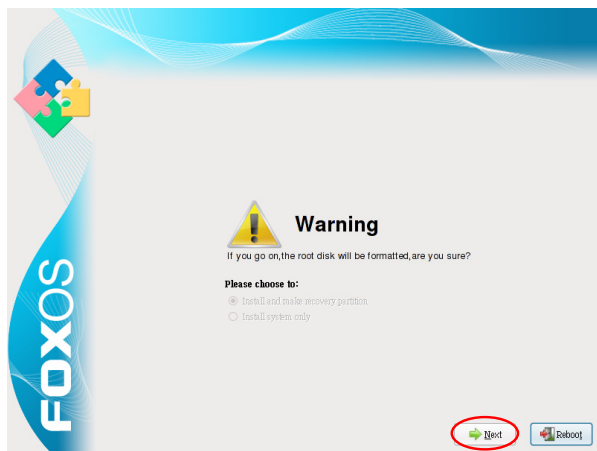Please reboot the system to use the installed system.
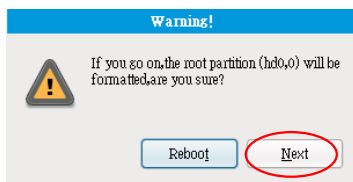
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- **From hard disk to recover system**

1 When you log in, according to the screen suggestion, press any key to enter Grub interface, the figure is shown as below:
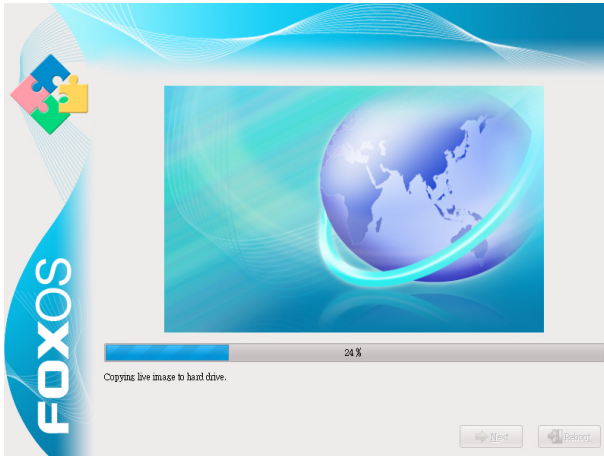

2 Select "*FoxOS recovery*" item and then press "*Enter*", the warning box is shown below:

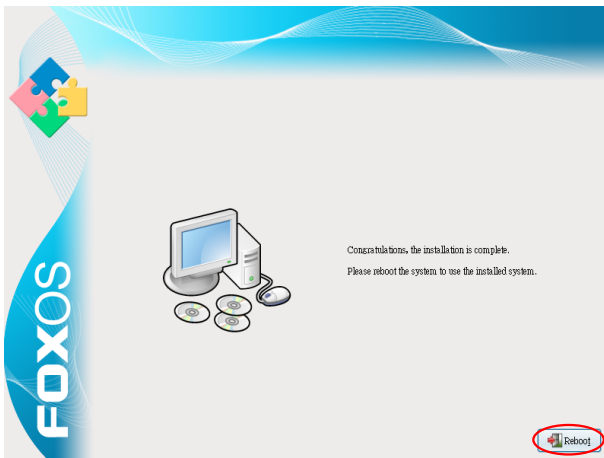3 Select "*Next*", system warns the root partition(hd0, 0) will be formatted. The figure is shown as below:

4 Click "*Next*" to format partition(hd0,0) and recover system from hard disk. The figure is shown as below:

5 When the process is completed, please reboot the system. The figure is shown as below:

Notebook

Appendix

- ■ Product Specification
- ■ Notebook FAQ

Product Specification

CPU	● Intel CULV CPU FSB 800MHz
	*: The CPU type depends on model you purchase, please refer to the physical product.
Chipset	● Intel GS45 + ICH9M
Memory	● 1 x DDR3 SDRAM socket
	● SODIMM,DDR3 1,066 1GB
	● SODIMM,DDR3 1,066 2GB(Optional)
LCD	● LED backlight panel, 12" WXGA, resolution 1366 x 768
Storage	● SATA 2.5" HDD 5400rpm 160G
	● SATA 2.5" HDD 5400rpm 250GB(Optional)
Battery	● Li-ion rechargeable battery
	● 3-cell, 2600mAh
	● 6-cell, 5200mAh (Optional)
Audio	● Support amplifier and Mic.
	● 2.1 channel support
	● 2 high quality stereo speakers
Card Reader	● 3-in-1 MS/SD/MMC
LAN	● 10/100/1000 Mb/s with low power consumption
Bluetooth (Optional)	● Bluetooth 2.1+ EDR
WiFi	● IEEE 802.11 b/g/n, mini-PCI-e interface
3G Module (WWAN) (Optional)	● Mini-PCI-e interface, WCDMA or EV-DO
	● SIM card slot is accessible in battery compartment
Webcam	● 1.3M pixel + digital mic
Keyboard	● 86-key full-size keycap
Touchpad	● Hidden Type touchpad with 2 buttons
	● Support Multi-finger
	● With lock button
Speaker	● 2 x internal stereo speakers
Microphone	● Internal microphone, Integrated with camera module
AC Adapter	● 19V, 65W
EC	● ITE IT8502E

Appendix

I/O Ports	● 3 x USB 2.0 port
	● HDMI
	● 1 x VGA port
	● 1 x RJ-45 LAN port
	● 1 x Headphone port
	● 1 x Microphone In port
	● 1 x MS/SD/MMC card reader slot
	● 1 x DC-in port
	● 1 x Kensington lock port
LED Indicator	● Power LED (Power button)
	● Caps Lock
	● Wireless LAN
	● Battery power
	● HDD
BIOS	● AMI
	● Support PnP, ACPI 3.0
O/S	● Support Windows 7, Linux FoxOS
Dimension	● 298x215x25.3mm
Weight	● 1.38Kg with 3-cell battery
SRS Premium Sound Brief	● SRS Premium Sound® offers the richest and most immersive audio experience in any listening environment using technologies from SRS Labs. SRS TruSurround HD® can offer a rich immersive experience and virtual surround sound for your music, movies, and games over only 2 speakers. SRS CS Headphone® uses SRS Circle Surround® decoding to deliver accurate virtual surround sound for movie and game content when users listen on headphones.

Notebook FAQ

1. A: Does the HDD shock-proof designed?
   B: Yes, it does.
2. A: Can I expand the RAM stick?
   B: It depends on your products specification, if you get one with 1GB, you can expand it up to 4GB.
3. A: Could the VGA share memory be adjusted in BIOS?
   B: No, it could't.
4. A: Could Windows Vista be installed properly?
   B: Not Vista ready.
5. A: How long the battery could be used after complete charge?
   B: About 2-3 hours normaly, according to Notebook loading.
6. A: How about "Fn + Function keys" ?
   B: Please pay more attention to hot keys below, if some function fail, please examine them first:
   Fn + F1: Enter sleep mode (Suspend to RAM)
   Fn + F2: Switch to the external display
   Fn + F3: Audio on/off
   Fn + F9: Wireless LAN on/off
   Please refer to the instruction of Special Function Keys in page 13 for details.
7. A: What's the function of LED indicator on the top left corner ?
   B: From left to right is in turn:
   The first indicator blinks when data is written to or read from the disk drive.
   The second indicator means Wireless LAN on or off.
   The third indicator means the keyboard is in Caps-lock mode.
   The fourth indicator shows the status of the battery's power.
8. A: Why does the touchpad fail to work?
   B: You need to confirm whether the touchpad lock button is in lock mode.
9. A: Why does the wireless LAN fail to work?
   B: You need to confirm whether the wireless LAN function key is enabled or not. Please refer to the instruction of Special Function Keys in page 13 for details.
10. A: SD card reader is unable to work normally.
    B: Please confirm whether the specification of SD card is 3-in-1 MS/SD/MMC and then the gold pins of SD card are placed down, or to insert it again.
11. A: What is FoxOS?
    B: FoxOS is the Linux operating system.
12. A: How to recovery FoxOS without CD-ROM?
    B: Recover system from hard disk.

13. A: What to do when I forget the BIOS or Linux password?

  B: Please contact with local sevice center to resolve the problem.

14. A: How to get Windows 7 driver?

  B: From DVD with your Notebook.

15. A: How to view system configuration in Windows 7?

  B: Please click "Computer" in desktop or use "CPU-Z" and other system tool softwares.

16. A: The problem is that wireless LAN card does not distribute IP address.

  B: Maybe it is relative to the configuration of Windows 7 optimize edition. Please use Windows 7 complete edition, and pay attention to the items of optimized configuration. No Windows 7 complete edition may cause abnormal operation of the system.

17. A: After choosing the option of "safely removing the hardware" and taking out the using SD card in Windows 7, but why the SD card can not be detected while inserting it again ?

  B: It is normal. The card reader is designed for hot plug, you needn't to choose the option of "safely removing the hardware". The card reader can work normally only after rebooting the computer.

Appendix

Free Manuals Download Website

http://myh66.com

http://usermanuals.us

http://www.somanuals.com

http://www.4manuals.cc

http://www.manual-lib.com

http://www.404manual.com

http://www.luxmanual.com

http://aubethermostatmanual.com

Golf course search by state

http://golfingnear.com

Email search by domain

http://emailbydomain.com

Auto manuals search

http://auto.somanuals.com

TV manuals search

http://tv.somanuals.com