Notebook

USER MANUAL

* Please read this manual before using your computer. Put it at hand for future reference.

Welcome!

Thank you for purchasing our products! Please read this manual carefully before using for your safe and interest.

Declaration:

Please be noted that we won't charge any loss, damage or wound caused by misuse or any incorrect operation which is not allowed by this manual.

About the (user) manual:

All Rights Reserved.

Trademarks and brands mentioned in this manual are owned by their original owners.

Your products may not be just the same with what we defined in this manual.

Annex: Technology Information

Parts	Specification	Note	
CPU	Intel Atom N270 1.6GHz 533MHz	*	
Chipset	Mobile Intel ® i945GME+82801GHM(ICH7-M)	*	
Memory	DDRII 1GB PC2-5300	*	
HDD	SATA 160GB 5400	*	
Optical Driver	none		
Graphic	Intel ® GMA 950		
Audio	Realtek HD Audio		
LAN Adapter	Realtek RTL8139/810x Family Fast Ethernet		
Wireless LAN adapter	RTL8187SE		*
LCD	TFT LCD WXGA 1024x600		
Camera	Digital Camera MegaPix	*	
Battery	LI-iON 2200	*	
Power Adapter	Input:100-240V 1.8A/Output:19V 3.42A		
Ports/Sockets	USBx2/D-sub(VGA)/RJ-45/EarPhone&MIC		

Parts may change according to different models.

Contents

1 For Your Safety

1.1 Special Tips

You will see some warning wards in this manual listed as bellow. We add special meaning to these words. You should mind this tips or warnings when you see it.

【Danger!】--Break the rules will cause dangerous.

【Warning!】--Break the rules may cause dangerous sometimes.

【Tip】--Break the rules may cause malfunction on the compute or parts.

【Forbidden】--Danger operation on computer itself or parts.

【Note】--There are something you should to know about the computer or parts.

We cannot show your all safety information in this section. For your safety and interest, we will insert such information in according with the circumstance described after this section. You must pay attention to these tips or warnings and follow the rules at all time in this manual wherever they are.

Further more, you should pay attention to any other contents in this manual. That's very important.

1.2 Please read the important safety clue on notebook!

To safe care your nicety high-tech laptop, you should read all the clues bellow:

(1)LCD safe care:

Do not lay any heavy objects on your laptop!

Don't take many objects in your pack!

Don't press the pack or the computer itself!

Don't scratch, twist or strike the LCD surface.

Don't place the screen of LCD in an environment where the temperature exceeds 40 Celsius degrees or the humidity exceeds 90%.

Don't expose the screen of LCD to direct sunlight or strong fluorescence.

Don't place any things between LCD screen and keyboard, such as pencil, documents and so on, which will break or scratch LCD screen.

Please don't use corrosive detergent to clean LCD screen. That may injure your LCD screen.

(2)Don't block the vent when power is on to avoid overheating.

(3)Don't take out the disk when it is work. That may damage the data on it or OS failure.

(4)Don't open laptop shell when power is on. That will damage your computer.

You should backup before formatting a disk. Formatting a disk will erase all the data or documents on it. Any loss or damage on data, documents or programs will not be charged.

(5)The power adapter is designed office/family use in P.R.C. You may check and ensure that your electronic outlet is grounded. Connect the wire and adapter body firstly. Insert the plugs into your wall outlet. Connect your computer to the adapter at last. You shall check the pin and sockets and confirm that they have been connecting completely.

(6)Don't connect your computer to an power adapter from other company. This **may**

damage your computer.

⑺Don't drop it in accident. Don't take your computer with only single hand.

⑻Only our service supplier or other we authorized can disassemble the products. Please keep the seal or sticker. You will loss your warranty from us if removed.

⑼Don't forget your pass word (BIOS)! If you forget your password unfortunately, you can contact our service center or your seller for help. But this may damage all the private data on computer.

1.3 Notes

◆Authorized users

This laptop is designed for adults who have the basic knowledge about computer and are with the aware of self-care, not for young persons or psychopath.

When it is necessary for a young person to use this laptop, he or she must be cared by his or her tutors or parents.

Work place

This computer should place or work at a suitable environment to avoid failure or damage.

Content	Scope of application
Temperature of storage and transportation	-40°C to -50°C
Relative humidity of storage and transportation	20% - 93%(40°C)
Atmospheric pressure	86 kPa - 106 kPa
Adaptation capability of power	220V ±22V, 50Hz ±1Hz
Working humidity	35% - 80%
Working temperature	10°C - 35°C

【Warning】

⑴Please place the computer in a dry place with good ventilation to avoid harm caused by exposing in bad environment (dampness, dust, food, liquid, direct exposure to sunlight, etc.).

⑵Please keep the computer away from other household electronic appliances, such as TV set, air conditioner, etc) to avoid electronic and magnetic interference.

⑶Please don't splash liquid or other impurities into the computer. Otherwise, it may lead to short-circuiting of its internal components, which will further give rise to circle short or fire accidents.

⑷Power on the computer when it is very cold may damage it deadly. Please expose the computer for more than 2 hours at a place where the temperature exceeds 10℃。

Before using

Please check and make sure that the adapter matches your wall outlets according to this manual.

【Warning】

The computer should be placed and get warmth for more than 2 hours at a room where temperature is 10   to 35   after transporting or stored in cold (The temperature is below 10   ). Leave the computer without opening the packing. It will be warm automatically. Fast warming or heating may damage your computer.

Removal, transportation and storage

⑴Take your computer with care. Don't drop it in accident.

⑵The computer should be placed in the original packing box in case of transportation. Computer with packing should be piled according with the symbol and indication of packing & transportation diagram on box. Also it should be transported in an airtight container.

⑶The packing materials should be stored away from reaching of young persons.

⑷According to the rules and instruction of *GB/T 9813-2000 General Specifications of Micro-computer*, after the computer is stored and transported at the environment it is under 10°C, the computer should be left itself with pack for more than 2 hours at a place where temperature is 10℃ to 35℃ to avoid short circle caused by dew.

⑸Please uninstall the battery if you want to leave it for a long time. Put the computer and all parts in the carton box.

Battery

⑴Do not disassemble or modify your batteries!

⑵Only batteries from our company or authorized by our company is permitted.

⑶Please deal with your worn batteries in accordance with local government rules or laws. Or, you may return it back to our company.

1.4 Battery Info (Important)

Please follow the following rules and use your battery properly.

Newly-purchased battery: The new battery can only be charged after the original electricity capacity is fully consumed.

Charge and discharge: Charge and discharge completely your battery at least one time in 30 days to protect your battery and prolong its life.

Lifespan of battery: The battery capacity will reduce gradually after a period of time of work. The standby or work time of the computer may be shorter. Even it can not be charged fully (100%). If the work time of the battery is shorter clearly, it should be replaced.

To save the battery power: When you are on trip out of house and cannot find a place to charge your battery, you should make the best use of the battery and try to prolong its work time. Some references may be helpful at below:

A. *Senior power management:* The senior power management will manage and assign battery power. This will reduce some parts' work speed, such as CPU, and reduce the power requirement.

B. *The brightness of LCD:* The LCD may consume much power. Please adjust and get a dim backlight will safe more power.

C. *Software and accessories:* Exit real time communication and all other programs which are not in use now. Remove accessories not in use, such as USB mouse, USB disk, and PCMCIA card.

Q & A

◆*How to fully discharge the battery?*

Power on your computer and leave it till it powers off automatically. Or reset your computer when battery gets faint and pause it on BIOS interface. Your computer will power off automatically when the battery is flat completely.

◆*How to full charge the battery?*

Connect your computer to a wall outlet with the adapter and check the LED indicator of charge on the wheel. Yellow LED indicates that battery is in charge. Green LED indicates battery charged fully. Access control panel>power>ammeter on Windows XP system. 100% ammeter means full charge.

◆*How to maintain the battery?*

Charge and discharge completely your battery at least one time in 30 days.

【Special attention!】

  ①*Use battery only with this commuter!*

  ②*Only original battery supplied by our company can be install on the computer.*

  ③*Do not dismantle or shred battery!*

  ④*Do not dispose of batteries in a fire or heavy as they may explode.*

  ⑤*Don't touches or short circle the contacts with metal objects on the battery.*

  ⑥*In the event of a battery leak, do not allow the liquid to come in contact with skin or eyes. In the event of such a leak, flush your skin or eyes immediately with water, or seek medical help.*

1.5 Power adapter

Our power adapters are qualified, safe and efficient. Please check your wall outlets to make sure of that they are grounded and safe. That's very important for your computer to work in good circumstance. Computer power adapters should be according with safe rules listed as bellow:

  • Authorized by CCC criterion.

  • Wall outlets should be grounded completely.

  • Plugs and pins are according with the instructions and rules of GB 1002-1996/GB 2099.1-1996.

【Danger!】

Thunders may shoot computer and persons through the wires and adapter. Do not connect or power on your computer with a power adapter during lighting storm. It may damage the power adapter or the computer, even wound you.

【Warning!】

Only adapters supplied by our company are permitted. Do not dismantle this power adapter as it may dangerous to the computer or the users, or warranty invalidation.

1.6 Ergonomics

【Reminder】 *When you work or play games on a computer, please adjust your environment and arrange your computer devices so as to make your body in a comfortable and flexible situation. Stay still for a long time may go against health. Information here may be helpful:*

1. Posture-body: Choose proper desks and chairs for you. Adjust your chair go get an easy height and angle for your body.

2. Posture-legs: Clear all objects under the desk to make adequate places for your legs.

3. Posture-head: Put the computer in front of you on the desk and move it at a better place. Twist the LCD and get a proper angle and distance. Peoples short sight should

take remedy glasses.

4. Light condition: Please reduce the back-light of the LCD at a dark room. Don't face to light at a bright room. The LCD will be dim in strong light.

5. Operate your computer: Put your hands on the keypad with relaxation. Put left first finger on F button while right first finger on J button. Move your fingers on touchpad gently. Don't press touchpad with hard. You may connect a USB mouse if you want obtain operation fluently.

6. Disperse heat: Pay attention to computer heat dispersing during summary. It's uneasy to operate a thermal laptop. Don't put any thing at the left side of this computer. Otherwise, the air-out vents may be blocked. Don't put this computer on soft object against block air-in vents on the back.

1.7 Safety Instructions

⑴Wall outlets should be installed at a place obviously around the desk or computer. Don't pull the plug or wire. Catch the plug firmly and pull it out.

⑵Don't place computer at a place with water or other liquid.

⑶Computers should be placed on a steady desk. Don't put your computer on unstable surfaces against dropping.

⑷Put the power adapter at a corner to prevent hitch or crash.

⑸Don't put any objects on the computer as they may press and scratch it. Don't put any objects on keypad as they may damage the display screen when fold.

We recommend you not to connect the adapter or computer to wall outlets if you don't use it just for minutes.

Don't douse water or other liquid on the computer as this it may get short circle or fire.

Please go to our service center or your seller for repairing:

a. Wire or plugs worn or broken.

b. Spatter water or other liquid on the computer.

c. Computer has been exposed in rain or water.

d. Try your best to deal with trouble according to manual directions but failure.

e. Dropped and broken.

f. Other apparent damage or broken.

It may cause damage on this device to store or use it at extreme temperature.

Put the power adapter away from water or other liquid. Don't drop water on it.

【Note】*Your computer may not be just the same as it shown in this manual. Please check your computer and ask for details.*
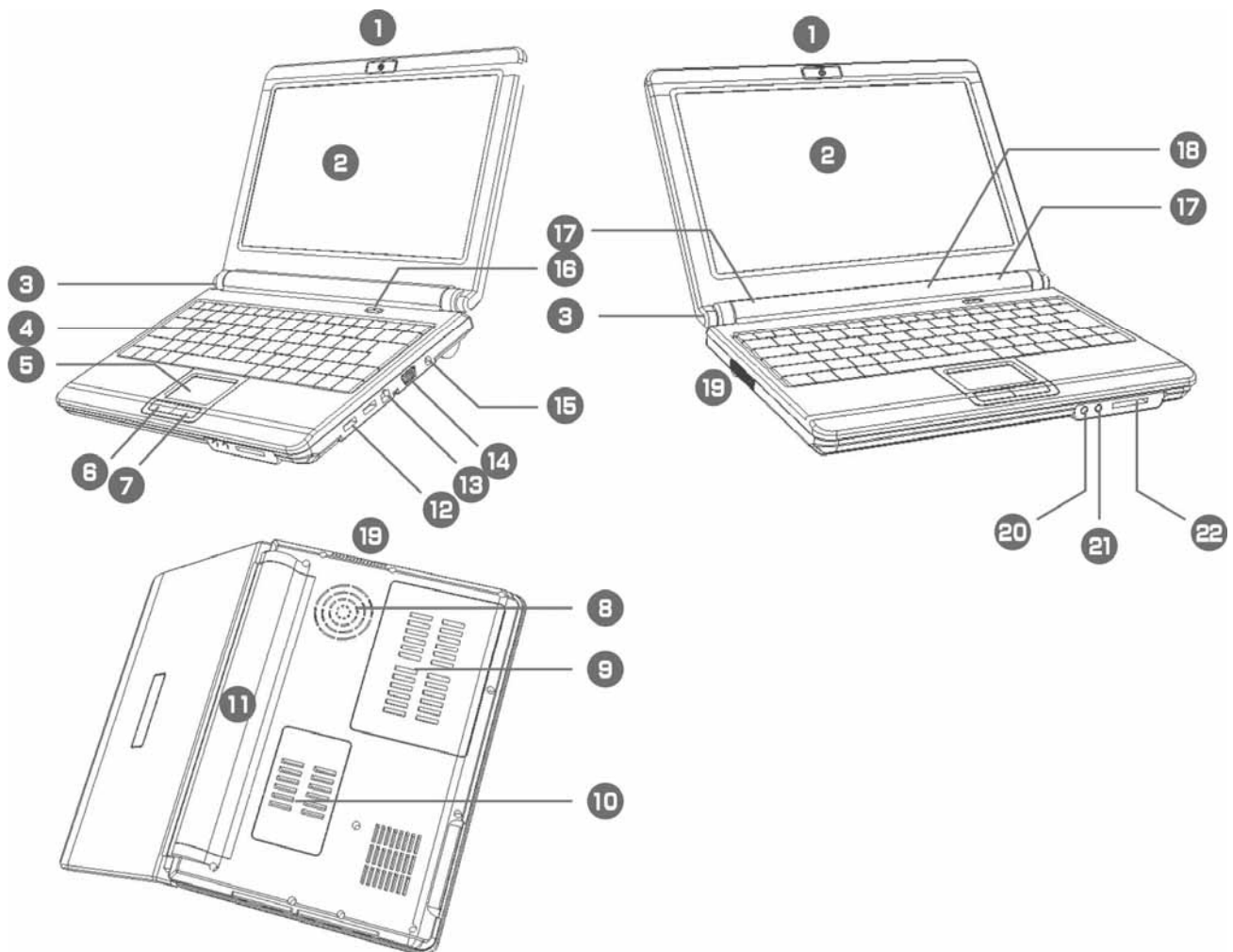
1.8 Operate System

This laptop computer is tested on Windows XP operate system. Any information about this computer work bases on the system. We will not confirm that this computer will work well if you install other operate systems.

2 Product Overview

2.1 Instruction

Your computer is made by the cut-edge technology of Intel ® Corporation. It's powerful than what you see it. You can update its main memory and hard disk for further requirements in the future. The LED back-light of LCD will show you more sharp and light display, and will save more power. It's very easy to connect the Internet since this computer has equipped with fast Ethernet LAN and Wireless LAN. And you may talk with another one face to face with its camera on the LCD.

2.2 Overview

1	Camera	11	Li-ion Battery	21	Earphone Socket
2	LCD	12	USB port	22	SD Card Reader
3	Wheel	13	RJ-45		
4	Keypad	14	VGA/D-sub		
5	Touchpad	15	Power port		
6	Mouse Left	16	Power		
7	Mouse Right	17	Speaker		
8	Air in	18	LED indicator		
9	HDD cover	19	Air-out		
10	Memory cover	20	MIC port		

2.3 Open Package

Open the carton box and take out the parts with care. Check the packing list to make sure all the parts are here. You will find the parts in the carton box:
1. Computer
2. Power Adapter
3. User Manual for computer
4. CD-ROM
5. Battery
6. Warranty Card
7. QC-PASS Card

3 How to Use

3.1 LED Indicators

There are 6 LED indicators on the wheel.
1. Power indicator (lighting): The computer is power on.
2. Charger indicator: Yell light-Charging; Green light-Charging finished.
3. HDD indicator: The hard disk is working.
4. Wireless LAN indicator: The Wireless LAN is enabled.
5. Number Lock indicator: Number Lock enabled.
6. Capital Lock indicator: Capital Lock enabled.

3.2 Key-Combination

Fn+F2   Enable/Disable Wireless LAN.
Fn+F3   Mute/No Mute.
Fn+F4   Increase Sound Volume.
Fn+F5   decrease Sound Volume.
Fn+F6   Play/Pause(Windows Media Player).
Fn+F7   Prior (Windows Media Player)
Fn+F8   Next (Windows Media Player).
Fn+F9   Stop (Windows Media Player).
Fn+F10   Video Out enable (the second display or other video devices).
Fn+F11   Lighting Up (back-light).
Fn+F12   Lighting Down (back-light).
Fn+Ins   Number Lock
Fn+Del   Copy Screen
Fn+↑   PageUP
Fn+↓   PageDown

3.3 How to Use

• **Power on**
Press the power button to power on your computer.
Before powering on your computer, you should make sure that the battery is charged and installed on computer. If the battery power is lower or flat, you may connect your

computer to power adapter and the standard wall socket. After powering on, the power indicator will light on. The charger indicator will light on, too. If the charger indicator is yellow, it means that the battery is charging. While the green light means that the battery is full charged.

• **Power off**

You can click start-power off-power off.

When the computer needs to power off during working, you should finish your work and save your documents firstly.

• **Reboot**

If you have installed new hardware devices on the computer, or install/update drivers for any hardware, you will be asked to reboot your computer.

• **Standby**

After a time when there is no any operation on the computer, it will enter standby mode. The power indicator will flash. We recommend you to set a shorter time for standby mode when there is no any wall socket power around. This will help you to save the battery power.

• **Sleep**

If you lay the computer for a longer time, it may enter sleep mode. When the battery is flat completed without connect to any other power supply, the computer will enter sleep mode too. The computer will store all the information on hard disk before sleeping, and will load on all the information when power on after sleeping.

3.4 Touch-Pad

The touch pad can feel and trace your finger when you more your finger on it. You can see the cursor on the display screen to operate. It's not easy for a green hand. This will take a time for you to feel and use it freely.

Also you can connect a USB mouse for easy work.

3.5 Display Screen

The TFT LCD with high definition looks very clear and easy for eyes. It can shows sharp imagines and texts with true color.

Compared to other parts on the computer, display will need much power supply. We recommend you to adjust the back-light to save power when using only the battery.

Display is breakable products. Do Not touch it with hard or sharp objects. Do Not put any objects on your computer. Don't put any objects on the computer when open the folder or display. This may cause crush on display when closing it. Don't touch it with your finger. To clear the LCD softly with little-wet cotton.

3.6 LAN

Your computer equipped with a fast Ethernet LAN (10/100Base-TX) and Wireless LAN. You can connect internet or intranet very easy. You can follow the system indication to connect.

4 BIOS

4.1 BIOS

BIOS: Basic Input & Output System.
We will tell you how to access BIOS and edit its values. This will help you to use your computer more free and easy. Also we will tell you how to edit the security settings.
Power on your computer. Press Del at first when the computer says: *Press DEL to run setup!* You will enter the BIOS ULTILITY interface.
We have made the default settings on BIOS in our factory. These settings match all the hardware device and confirm that the computer works well. But sometimes you need to edit some items in BIOS when you want to change or update some hardware devices.
We recommend you to set the password for security. This may stop a non-illegal user. If you have stored much important documents on the computer, a password will be very important.
【Note】*The BIOS may be different according to different models.*

4.2 How to modify BIOS settings

You will change some BIOS setting value. You may be asked to enter BIOS and make changes when you power on your computer. The changes may be:
① Loading default settings.
② Changing an item setting value.
③ Changing some settings value to get fast.
If you want to access BIOS, please press DEL at the first display when it says: *Press DEL to run setup!*
BIOS Options:
you may enter Main Menus>Sub Menus>Options and get to an item/option. Press Up or Down to select an option. Press Enter and find the Sub Menus. Select an item/option and press Enter again to confirm. Press Esc to return. Press F10 to save and exit.

4.3 Main

System Overview
System Time 【18:11:33】(Please input the current time if it is wrong time.)
System Date【Web 02/25/2009】(Input current date)
Primary IDE Master: Hard Disk
Primary IDE Slave: Not Detected
Secondary IDE Master: Not Detected
Secondary IDE Slave: Not Detected
Size: 1016MB
Genuine Intel® CPU N270 @1.6GHz
Speed: 1600MHz
Build Date:01/15/09
ID: T20RS102
【Note】*Your computer system information may be different.*

4.4 Advanced

Advanced Settings
WARNING：Setting wrong values in below sections may cause system to malfunction.
Quick Boot: Enable/Disable
Quiet Boot: Enable/Disable
Onboard LAN BOOT ROM: Enable/Disable
DVMT Mode Select: Fixed Mode/DVMT Mode/Combo Mode
DVMT/Fixed Memory: 64M/128M/Maxium DVMT
Boot Display Device: LFP on Port 2
Flat Panel Type: Type1-16

4.5 Security

Security Settings
Supervisor Password: Not Installed (We recommend you to enter and save a password for your computer. Do Not forget this password if you have made one.)
User Password: Not Installed (We recommend you to enter and save a password for your computer. This will help to block any illegal user.)
Change Supervisor Password (Input or edit supervisor password.)
Change User Password (Input or edit user password.)
Boot Sector Virus Protection: Enable/Disable (You may Enable this feature for more security.)
【Note】*Do Not forget your supervisor password!*

4.6 Boot

Boot Settings Configuration
   Hard Disk Drive (Press Enter to see the options.)
   Removable Drive (Press Enter to see the options.)
1st Boot Device SATA:PM-ST9160310AJ/USB Multi Flash Reader/Disabled
2nd Boot Device SATA:PM-ST9160310AJ/USB Multi Flash Reader/Disabled
you will modify these settings if you have installed other devices, such as USB CD-ROM Driver, and you want to boot on from it, you may change the options.)

4.7 EXIT

EXIT Options
Save Changes and Exit (You will save the changes and return.)
Discard Changes and Exit (You will return without saving any changes.)
Discard Changes (Cancel any changes you have made on BIOS.)
Load Options Defaults (Load the defaults settings.)
Load Failsafe Defaults (This selection helps you to discard any changes and configure all hard wares with minimums speed/value.)

5 Install Hardware Drivers

Please install operation system, Windows XP, and then install hard ware drivers. Input the CD-ROM in your CD driver. You will find the folders, such as *Audio*. Double-click

this folder and open it. Find the auto-run programs, *setup.exe*, run it. Follow the indication to finish. The computer will ask to reboot. Click *Yes* to reboot.

FOLDERS	CONTENTS
Audio	Sound adapter drivers
VGA	Graphic adapter drivers
Bluetooth	Bluetooth adapter drivers
Chipset	Chipset drivers and utility programs
GPS	GPS adapter drivers and utility
Intel WLAN	Intel Wireless Pro LAN adapter drivers and utility
LAN	Network adapter drivers
Realink-WLAN	Realink ® Wireless LAN adapter drivers
Touch-Screen	Touch screen drivers
VIA-WLAN	VIA wireless LAN adapter drivers

【Note】*Folders may be different according to the models. And not all the folders is needed for your computer. Please contact your seller for details if necessary.*

6 Trouble Shooting

All of the computer have been tested completely in our factory. But we can not sure that computers you take work well completely. It is needed for you to know how to treat with some faults or troubles. And we will tell how to do.

6.1 Sound Adapter

No sound: Double-click the speaker icon at the right side of taskbar to see if you have mute the wave sound option. Press Fn+F9 to enlarge sound volume.

Record wrong: Double-click the speaker icon to see if the MIC volume is muted.

Double click the speaker icon. You will see the *Sound Volume Controller*.

Press Option>Attribute. Select and enable *Microphone Record Volume*.

Click Yes. You will find this option on *Sound Volume Controller*. Enable this option.

6.2 Hard Disk

⑴Hard disk loss or failure: Check the pin and make sure if they are stall firmly. For a new hard disk, you should make partitions and format them. If you dropped your computer by accident, the hard disk may have been damaged.

⑵Hard disk is slow: Several facts may cause this fault.

①If you have use your computer for a long time (more than several months),there will be much data fragments on the hard disk. This will slow your hard disk. We recommend you to run the *Hard Disk Fragments Clean Up*. This may take much time (more than sixty minutes).

②There are some virus or Trojan horse on hard disk. You have to run anti-virus program on your computer to kill them.

③File broken: You need to run *Hard Disk Scanner* to repair.

6.3 Display Screen

⑴Black Screen: Check your computer and find if it is in standby or sleep mode. Or press press Fn+F11 for more light.
⑵Flashing: This display screen will flash several times. Don't worry about it.

6.4 Main Memory

You have installed a new memory bar. But the computer cannot find it.
You'd better check it and make sure of that the memory bar is installed firmly. Or, this memory bar get malfunction.
Sometimes, there pops up a window: Memory Lack!

7 Compatibility

7.1 Hard Ware Compatibility

Your computer can connect many accessories, such as mouse, keypad, printer and scanner, etc. The accessories from our factory are compatible completely. But some accessories may not be compatible with your computer. You should make sure that a accessory is compatible with your computer when you want to purchase it. We recommend you to read the user manual or references about the accessory carefully before connect it to your computer. You can also contact the seller of this accessory and ask for help.

7.2 Software Compatibility

All the software or programs that have been installed in your computer, including the operation system, are free. We assure you that the programs are compatible with this computer completely. Please read their guide documents and follow the directions. Most of software is compatible with this computer expect some of the special ones.

【Note】*Before use any hardware or software you buy from the third company, you should make sure of that they are compatible with your computer completely. If the computer get any failure or damage because of the hardware or software, you will loss your warranty from us. You'd better take your computer to any of our service centers to have a test.*