
T23X

Tablet PC



User's Guide

2008.06.10

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Preface

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In no event will the manufacturer be liable for direct, indirect, special, incidental, or consequential damages arising out of the use or inability to use the product or documentation, even if advised of the possibility of such damages.

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Safety Notices

- (1) Please read these safety instructions carefully.
- (2) All precautions and warnings on the equipment should be carefully noted.
- (3) Please disconnect the computer from the AC outlet before cleaning.
- (4) Never pour any liquids into any openings or directly onto the computer unit. This could result in fire or electrical shock.
- (5) Ensure the voltage range of the power outlet is between 100V and 240V before connecting the computer unit. Exceeding the maximum rated voltage may cause damage to the AC adapter or to the computer. This could result in fire or electrical shock.

-
- (6) Do not leave this equipment in a non-temperature controlled environment; storage temperatures below 4°C (39°F) or above 35°C (95°F) may damage the unit.

! CAUTION *To reduce the risk of an electric shock, which could cause personal injury, please follow all safety notices. The symbols shown are used in your documentation and on your equipment to indicate safety hazards.*

! CAUTION *Lithium batteries can be dangerous. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.*

! CAUTION *Under no circumstances should the user attempt to disassemble the power supply. The power supply has no user-replaceable parts. Inside the power supply are hazardous voltages that can cause serious personal injury. A defective power supply must be returned to your dealer.*

Safety Notices for the Power Cord

This equipment has a 2 or 3-wire power cord. Replace the power cord if it becomes damaged. Contact your dealer for an exact replacement.

In the U.S.A. and Canada, the power cord must be a UL-listed detachable power cord (in Canada, CSA-certified).

2-wire cord	SPT-2 18AWG
-------------	-------------

3-wire cord	SVT or SJT, 18 AWG, 3-conductor
-------------	---------------------------------

Provided with a molded-on cord connector body at the other end. The cord length must not exceed 3 meters.

Outside the U.S.A. and Canada, the plug must be rated for 250 VAC, 2.5 amp minimum, and must display an international agency approval marking. The cord must be suitable for use in the end-user's country.

Consult your dealer or the local electrical authorities if you are unsure of the type of power cord to use in your country. Voltage changes occur automatically in the power supply.

Notice of EMC Compliance

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 instruction manual 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 technician for help.

Use only shielded I/O cables to connect I/O devices to this equipment. You are cautioned the changes or modifications not expressly approved by the party responsible for compliance could void your authority to use the equipment. This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) this device will not cause harmful interference, and (2) this device must accept any interference it receive including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Radiation Exposure Statement

This Transmitter has been demonstrated co-location compliance requirements with

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

- (1) This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure compliance requirements, avoid direct contact to the transmitting antenna during transmitting.
- (2) Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

Canadian EMI Compliance Statement

This Class B digital apparatus meets all requirements of the Canadian Interference - Causing Equipment Regulations.

Max. SAR Measurement (1g)
802.11g: 0.173 W/kg
802.11b: 0.085 W/kg
802.11n(20M): 0.096 W/kg
802.11n(40M): 0.082 W/kg

European Union CE Marking Declaration

This product has been tested and found to comply with the EMC requirement subject to the EU directive for CE marking.

CE Declaration of Conformity

For the following equipment: Tablet PC

CE 0984 

Is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility (89/336/EEC), Low-voltage Directive (73/23/EEC) and the Amendment Directive (93/68/EEC), the procedures given in European Council Directive 99/5/EC and 89/336/EEC.

The equipment was passed. The test was performed according to the following European standards:

- EN 300 328 V.1.6.1 (2004)
- EN 301 489-1 V.1.4.1 (2002) / EN 301 489-17 V.1.2.1 (2002)
- EN 50371: 2002
- EN 60950-1: 2001

Regulatory statement (802.11 b/g/n)

European standards dictate maximum radiated transmit power of 100mW EIRP and frequency range 2.400-2.4835GHz; In France, the equipment must be restricted to the 2.4465-2.4835GHz frequency range and must be restricted to indoor use.

-
- Inside the buildings with a power (WORSE *) maximum of 100 MW on all the frequency band 2400-2483,5 MHz,
 - Outside the buildings with a power (WORSE *) maximum of 100 MW on the part 2400-2454MHz and with a power (WORSE *) maximum of 10 MW on the part 2454-2483MHz

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Chapter I

Before You Start

This manual will help you get the most from your computer. If you are a less experienced user, you should read through the manual carefully before using your computer.

What to do Before You Work on your Computer

Let your Computer acclimatize itself

Rapid changes in temperature such as those from the cold outdoors to a warm office would not be suitable for your system.



Do not power up your system immediately if it has been exposed to hot or cold conditions. Instead, allow the system to adjust gradually to room temperature over a three to four hour period.

Placement of your Computer

Choose a suitable place for your system that's not too hot, too cold, too dark, or too bright. Glare can make it difficult to read the screen.

-
- Allow sufficient air circulation around the computer when you are working indoors
 - Try to keep the system components from being destroyed if it is over heated
 - Do not block the ventilation opening
 - Do not place your computer in direct sunlight

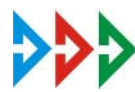
Suitable place to work

Your computer will run well under most conditions but avoid extreme temperatures and humidity levels.

There are some things you can tolerate that the computer can't – things like static electricity, dust, water, steam and oil.



A lithium-ion battery pack is included for those who are frequent travelers. When you are running your computer on battery power for the first time, remove the battery from the package, install it into the system and recharge the battery to fully prepare for service.



Chapter 2

Introduction

Introducing your Computer

Your computer features the latest advances in portable computing technology. The computer modular design provides maximum expandability without compromising portability.



WARNING:

Please never try to disassemble the Tablet PC and we will not be responsible for any damage caused by this action.

Unpacking the Computer

The computer comes securely packaged in a shipping carton. Please contact your dealer if you find that anything is missing or damaged after examining the contents. The shipping carton should contain the following items:

- AC-DC Adapter 19V **75W**
- Carry Bag
- 6 cells Li-Ion Battery
- Power Cord
- Quick Guide
- Touch Pen
- Clean Cloth

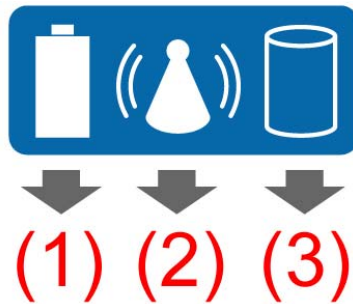
Do not throw the packaging materials away. You may need them later if you have to ship the computer.



Because of customer requirement, some of the features mentioned in this manual might not be included on your computer or may differ slightly.

Getting to Know Your Computer

Front View



(1) Battery Indicator

Battery Indicator (Charging: Orange, Full w/ DC: Green, Full w/o DC: OFF)

(2) Wireless Indicator

WLAN ON: (blue color)

(3) **HDD Indicator**

HDD Accessing (**Blinking: Green color**)

(4) **Built-in Camera**

This is where the built-in camera located where you can use for any video conferencing application



(5) **Rotation Screen/Vista Flip 3D LED Button**

This button will let you execute the Rotation Screen and Vista Flip 3D application.



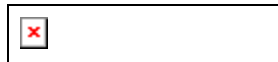
(6) **Mobility Center/Media Center LED Button**

This button will let you execute the Mobility Center and Media Center application.



(7) **Internet Explorer/Email LED Button**

This button will let you execute the Internet Explorer and Email (Outlook) application.



Please refer to Chapter 4 for more detailed description on these above button.



(8) **SAS LED Button**

The same function as you often use in an ordinary keyboard of "Ctrl-Alt-Del" to log off from your Tablet PC.

Side 1



(1) Finger Print Application

The Tablet PC is equipped with the finger print application for security reason.

(2) Ventilation Opening

Please don't block this opening that serve as cooling purpose for the system.

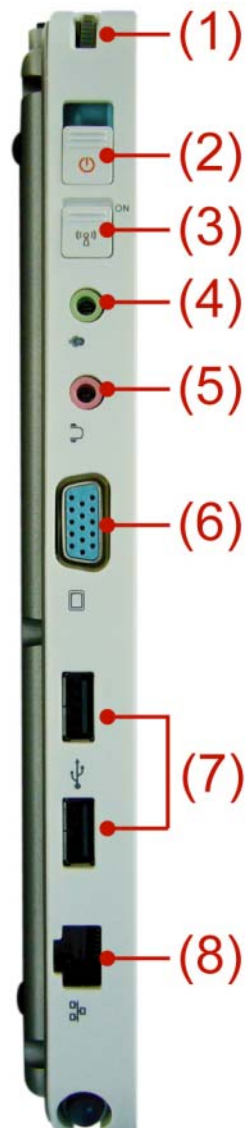
(3) DC IN Jack

Plug the AC adapter into this jack.

(4) PCMCIA or Express Card

This compartment contains the system PCMCIA or Express Card.

Side 2



(1) Scroll Application

Use this dial jog to scroll up and down just like the way you use the application in scrolling up and down arrow key and Enter key of an ordinary keyboard.

(2) Power Slide Latch

Slide this latch to power on the Tablet PC.

(3) Wireless & Blue Tooth On/Off Switch

Slide this latch to turn On/Off the wireless LAN & Blue Tooth.

(4) Headphone Jack

The stereo headphone jack (3.5-mm diameter) is where you connect the headphones or external speakers.

(5) Microphone Jack

You can also use this as an output source by connecting a speaker.

(6) VGA Out Port

Use this connect to connect an external monitor.

technology.

(8) Ethernet / LAN Port

When using a LAN, please use an EMI Shielding Cable to minimize an interference when transmitting.

Side 3



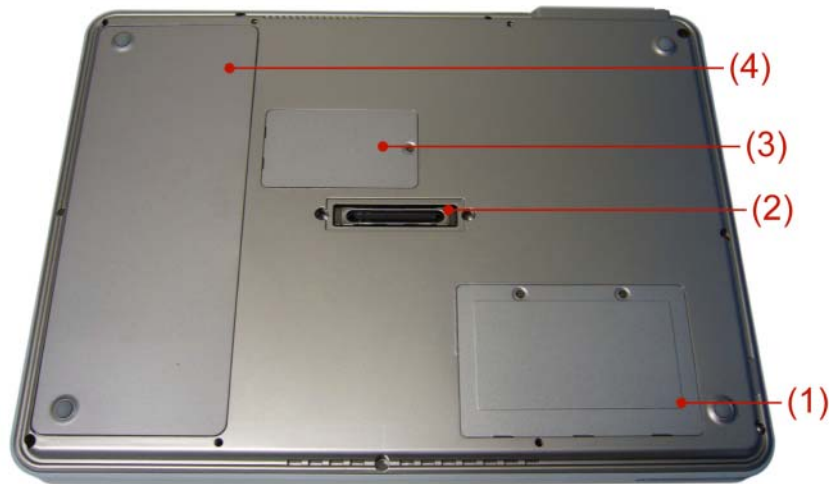
(1) Pen Compartment

Secures the pen to the system.

(2) Battery Latch

Slide this latch to release the battery.

Bottom View



(1) Memory Slot Compartment

This serve as compartment for your system memory.

(2) Docking Port

Use this port to connect to the system docking station.

(3) Wireless Module (MiniPCI-E Slot)

This compartment is for your Wireless Module.

(4) Battery Compartment

This serve as compartment for the battery.



Chapter 3

Getting Started

Setting Up the Computer

- Remove the computer from its package. Insert the battery pack into the computer so the pack can start charging.
- Connect the computer to an external power source. Turn on the computer.

Inserting and Removing the Battery Pack

Inserting the Battery Pack



Before inserting the battery, be sure the front side of the battery is facing the top side of the system as shown in the illustration.

- Turn over the computer and place it on a solid, flat surface.
- ❶ Align the battery into the battery compartment.
- With the three edge aligning to the three slot on the battery compartment.
- ❷ Push down the battery to completely attach into the compartment.



Removing the Battery Pack

- Slide the battery latch as shown in the illustration
- ① Lift up the battery from the compartment.
- ② Pull out the battery away from its compartment.



Connecting the Computer to an External Power Source

To connect the computer to an external AC power source using the AC adapter:

- Plug the AC adapter cable into the AC power connector on the computer.
- Plug one end of the power cord into an electrical outlet and the other end into the AC adapter.



WARNING:

To prevent damage to your computer, please do not use inferior extension cords. An AC adapter comes with your computer. Never use a different kind of adapter to power the computer or other electrical devices.

Whenever possible, keep the AC adapter plugged into the computer and an electrical outlet to recharge the battery.



WARNING:

Don't try to reset your computer while the hard disk is in use as it may result in the loss or destruction of your data.

Operating on Battery Power

Your computer comes with a rechargeable battery pack that lets you operate the computer without an external power source.

When the battery pack is fully charged, you can operate the computer for approximately 2.2 hours/26Wh pack under typical condition.

Charging the Battery Pack

The installed battery pack charges automatically whenever the computer is connected to the AC adapter and an external power source.

The first time you use the battery, be sure to fully discharge the battery and recharge it until it is fully charged.

Using the Stand

The Tablet PC also provides you with a simple stand that you can use on a trip.



Chapter 4

Using the Computer

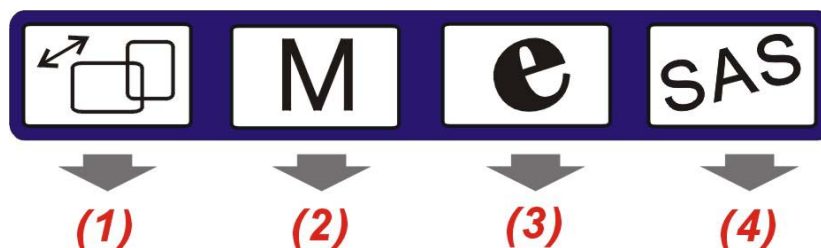
Adjusting the Screen Display

External CRT Display

You can connect an external monitor through the VGA out port.

The Computer's LED Button Controls

The computer provides you with special hot keys to execute all the major functions that you like to run on your computer.



 **NOTE:** Use finger tip to tap the  icon twice until an orange light will lit up all these four LED button. When all the LED buttons are lighten up, you can

*now use these buttons to execute some of the available
function provided by this system.*

(1) Rotation Screen/Vista Flip 3D LED Button

Use your fingertip to tap this LED button once to convert your screen display into landscape and portrait view.

Your screen display will start rotating at **90 degrees clockwise angle** until you prefer what angle that most suited for you to view.

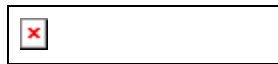
You can also use the “**Rotate Screen**” function on the Mobility Center to execute this application.



Tap this button for 1 second will let you execute the Vista 3D Flip application.

(2) Mobility Center/Media Center LED Button

Use your fingertip to tap this LED button to display and execute all the major function on the “**Mobility Center**” windows application.



Tap this button for 1 second will let you execute the “Media Center” application.

(3) Internet Explorer/Email LED Button

Use your fingertip by tapping this LED button to execute the Internet Explorer application.



Tap this button for 1 second will let you execute the “Email (Outlook)” application.

(4) SAS LED Button

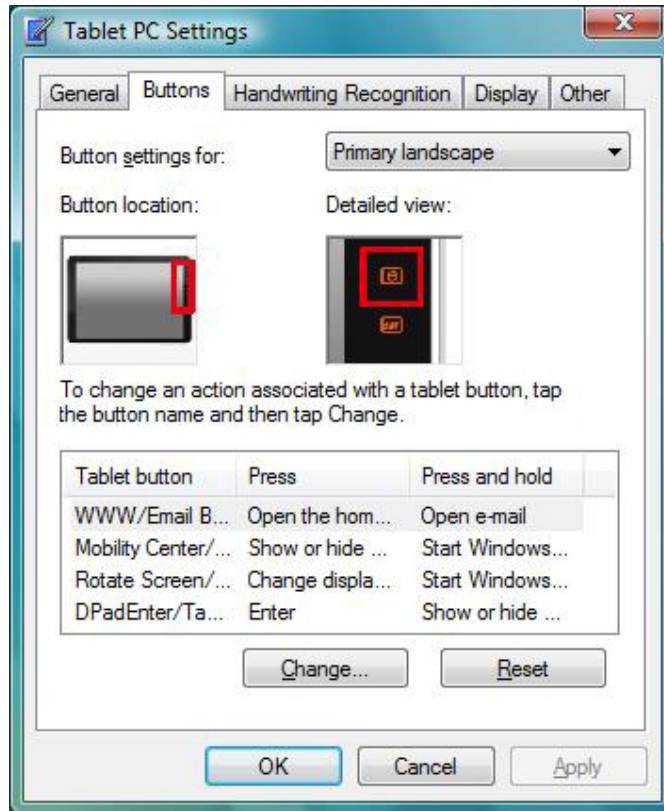
Use your fingertip by tapping this LED button once to exit your windows operating system.



All these functions are set as the default function when you are starting to operate this

system. These functions can be modified by yourself according to your preference and convenient.

-
- From the “**Control Panel**” scroll down to locate the “**Tablet PC Settings**” icon.
 - Click on the “**Buttons**” tab.



You can now change the control keys by clicking on the “**Change**” tab.

The Battery Power System

Before using the computer on battery power for the first time, disconnect the power adapter and check the battery status icon on the Windows Toolbar to make sure the battery is fully charged.

Preparing the Battery Pack for Use

Before using the battery pack for the first time, the Smart Battery IC within the battery pack should be calibrated in order to get accurate reporting of the remaining battery life status.

To calibrate the battery pack, follow the instructions below:

- Turn the computer off. Connect the AC adapter and let the battery fully recharge. When the battery charge LED turns from orange to green, the battery is fully charged.
- Turn On the computer and let the battery run down until the battery is low-low and you hear continuous warning beeps. The system will automatically enter the Suspend mode. You can now connect the AC adapter.
- The battery pack is now properly calibrated.



In general, using the battery until the low battery warning indicator appears and fully recharging the battery each time (full discharge/charge cycle) will ensure the accuracy of the battery status gauge.

Automatic Battery Pack Charging Function

You can automatically charge the battery pack by using the AC Adapter.



The charge time is almost two hours when the computer power is turned off.

Battery Status

Windows Vista has an applet in the Control Panel that will display an icon in the Windows taskbar indicating when the computer is running on battery power or is attached to the AC adapter.

This applet also displays a meter that indicates how much charge is remaining in the battery.

Battery Low Warning

When the battery is in low status, its LED indicator will blink continuously and you will hear beeping sound.

CMOS Battery

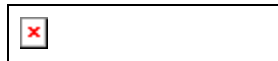
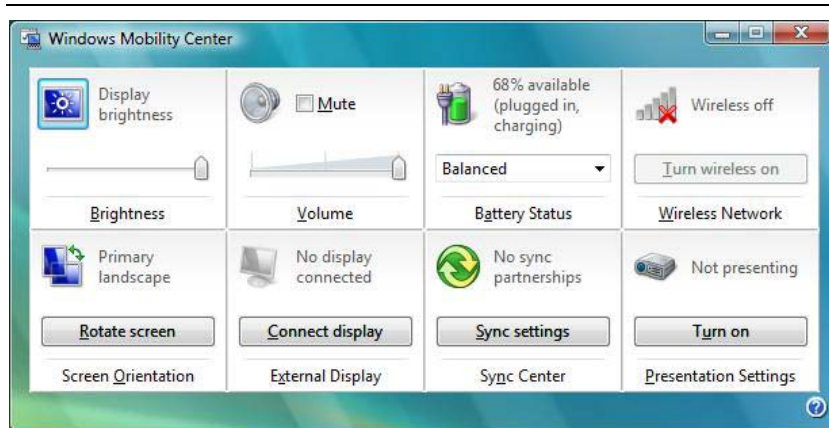
There is a small built-in battery pack that supplies power to the system in order to maintain certain system information while the power is off. If the computer is left without a power source for long period of time, this battery will be exhausted and system information will be lost.



To avoid damage, only use replacement batteries recommended by System provider. To prevent the loss of data when the system loses power, do not remove the battery pack while the power is on.

Using the Mobility Center

Drag the “**Mobility Center**” located on the right side of the Tablet PC to display the “**Mobility Center**” window dialog box.



Some of the most popular functions can be accessed from this menu.

Adjusting the Brightness

The brightness can be adjusted using the selection provided by the Mobility Center.

Use can scroll to the right direction to increase your display brightness or scroll to the left direction to decrease the brightness.

Adjusting the Volume

The volume can be adjusted using the selection provided by the Mobility Center.

Use can scroll to the right direction to increase your system volume or scroll to the left direction to decrease the volume.

Battery Status

This function indicates the remaining power of your system if you are using the system on battery charge.

Turn Wireless On

This application lets you turn on the wireless application in your system.

Rotate Screen

As previously mentioned in rotating your screen display, this function is also use to rotate your screen the same as you are tapping the  resolution icon.

Connect Display

This function detects on the external display connected to your Tablet PC for dual screen display purposes.

Sync Setting

You can use Sync Center to keep your files and other information in sync between your computer and mobile devices, network folders, and compatible programs.

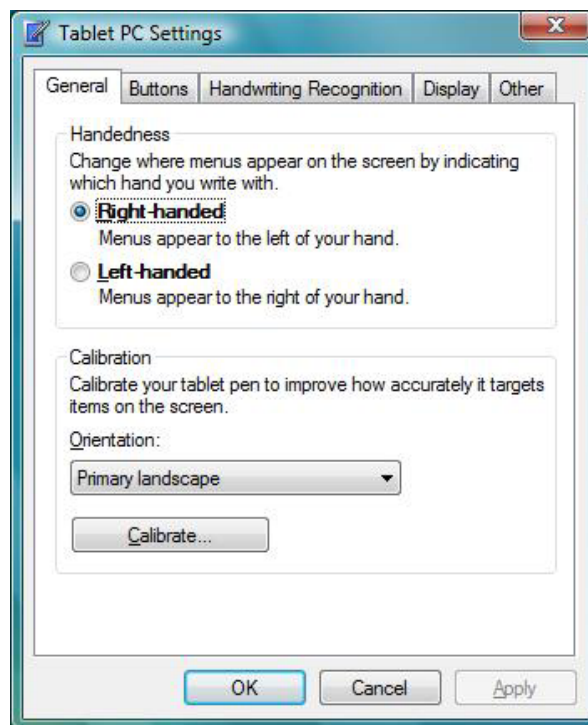
Turn On/Off

This function provides an excellent tool when you are giving a presentation.

Pen Calibration

If your cursor pointer does not function well, you can select the “**Calibrate**” function available in this system.

- From the “**Control Panel**” scroll down to locate the “**Tablet PC Settings**” icon.
- Click on the “**Calibrate**” tab.



This setting will enable you to adjust the screen orientation.

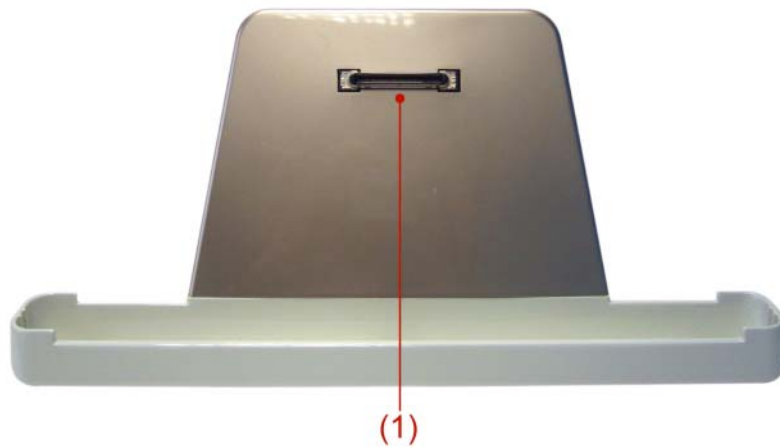


Use your pen to tap on the four corners that appears on the screen.

Chapter 5

Using the Docking Station (Optional)

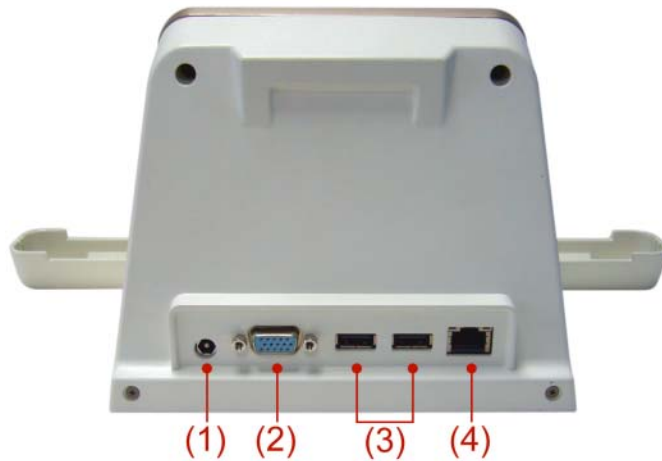
Front View



(1) Docking Port

This connector is used to connect the computer when you are using any external additional peripherals to operate on your computer.

Rear View



(1) DC IN Jack

Plug the AC adapter into this jack.

(2) VGA Out Port

Use this connect to connect an external monitor.

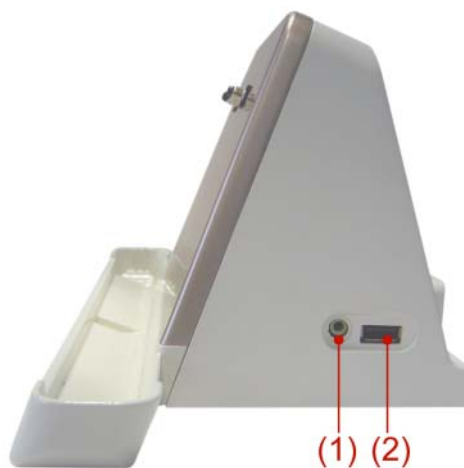
(3) USB Port

Your computer includes two Universal Serial Bus (USB) 2.0 ports. USB2.0 is the latest development in Plug and Play technology.

(4) Ethernet / LAN Port

When using a LAN, please use an EMI Shielding Cable to minimize an interference when transmitting.

Side View



(1) Headphone Jack

The stereo headphone jack (3.5-mm diameter) is where you connect the headphones or external speakers.

(2) USB Port

Your computer includes two Universal Serial Bus (USB) 2.0 ports. USB2.0 is the latest development in Plug and Play technology.

Connecting the Tablet PC to the Docking Station



- Align the Tablet PC with its edge aligning to the two edges on the docking station
- Push back the Tablet PC with its connector directly connecting to the connector on the docking station.

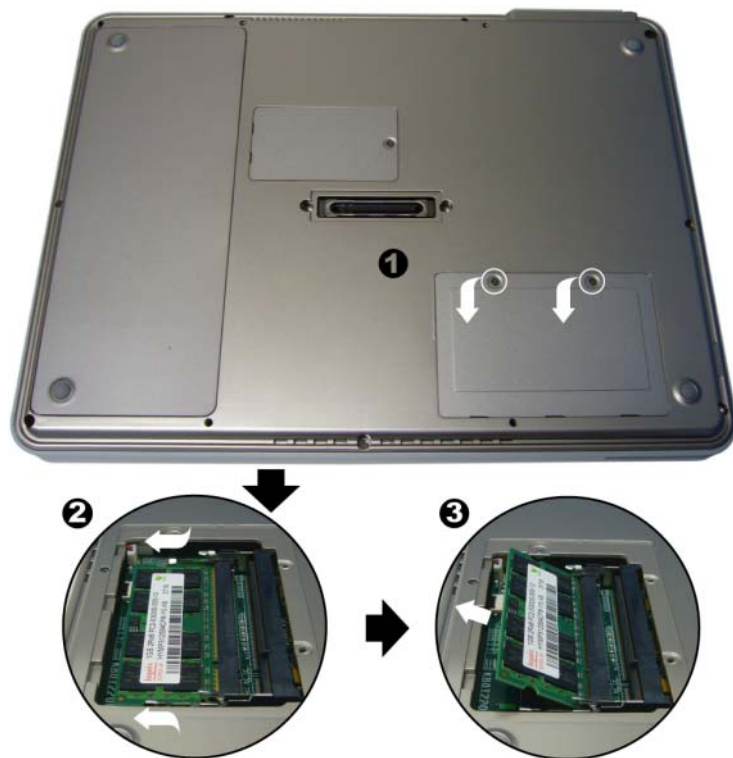
Operation

When operating your Tablet PC with the docking station installed, the power is supplied by the docking station's power supply.

Chapter 6

Upgrading Your System

Upgrading the System Memory



1. Turn your computer to let the bottom panel facing you. Locate the RAM compartment which is shown on the illustration. Unlock the two screws that attached to it. Lift up and remove the RAM compartment door.
2. Use your left and right thumb to unlock the two

latches (shown in the illustration) to release the RAM. The RAM will be lifted once it is release in 15 degree angle.

3. Pull out the RAM from its slot.

Upgrading the Wireless Module



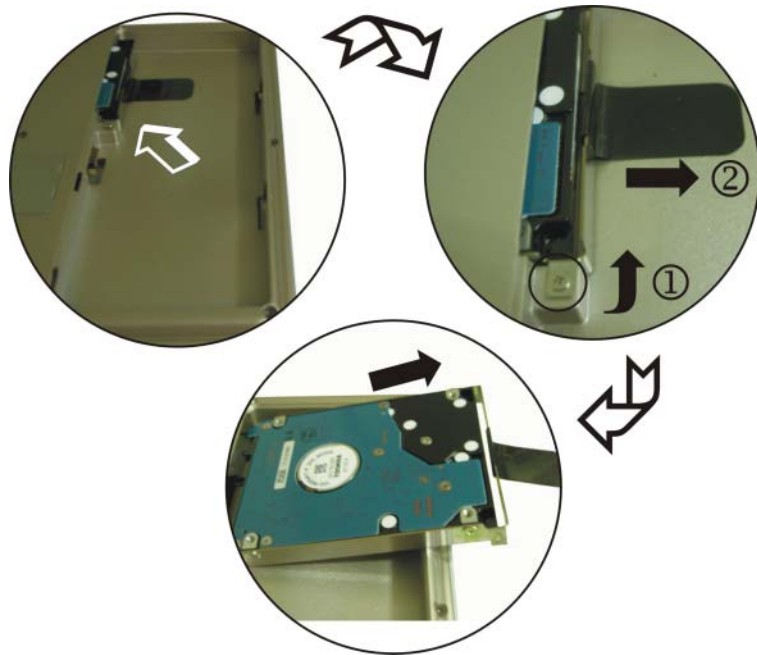
1. Turn your computer to let the bottom panel facing you. Locate the MiniPCI card compartment which is shown on the illustration. Unlock the screw that

attached to it.

2. Lift up and remove the MiniPCI card compartment door.
3. Carefully release the card by unlocking the two connector
4. Pull out the card away from its connector.

Upgrading Your Hard Disk Drive





We are not guarantee 100% of market items can be support at T22x models of Tablet PC.



Chapter 7

Trusted Platform Module

Trusted Platform Module (TPM) chips installed in each personal computer effecting anonymous internet use. This chip using the TPM technology may be used to make online transactions such as banking and shopping more secure, reducing identity theft and online fraud.

The TPM, which is a processor chip sets as a discrete device, stores encryption keys in what's been called an electronic, hardware-based lockbox.

There are three types of usage for this technology

- EFS (Encrypt File System). This function will be available according difference version of Windows Vista.
- Personal Secure Drive
- Outlook Email Encryption. Need to coordinate with Citizen Digital Certificate/ Digital ID Signature

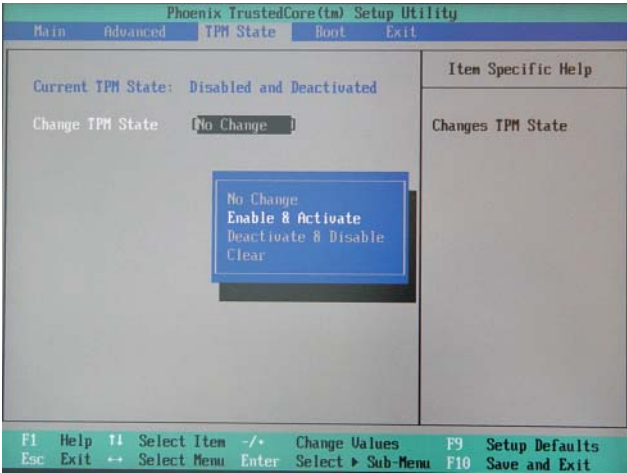
Before You Start

Check the TPM status.

Connect USB keyboard first. While system boots at this screen, press F2 to enter BIOS Configuration Menu



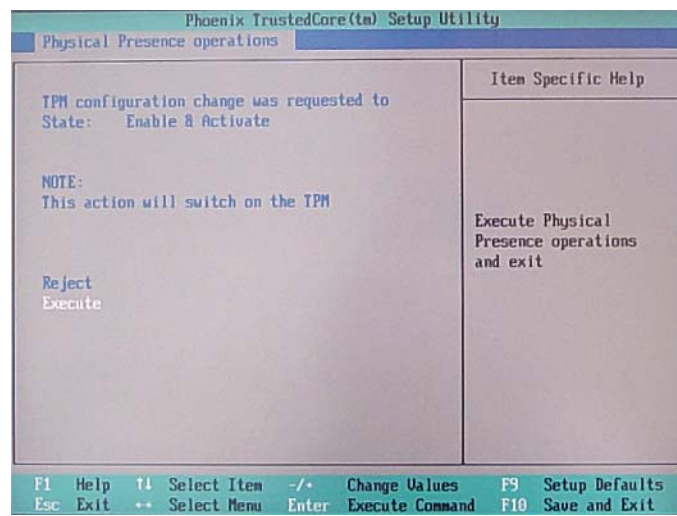
At TPM sets enable & activate TPM



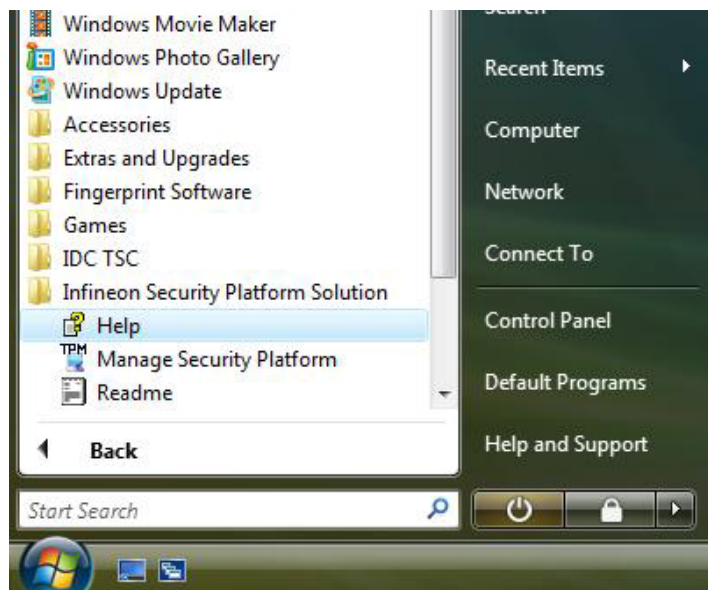
Save & Restart



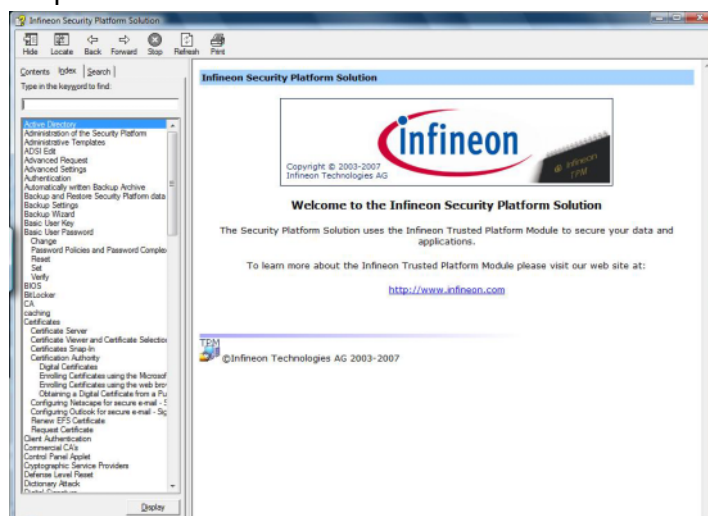
Confirm open the TPM



Help file location



Help file contents

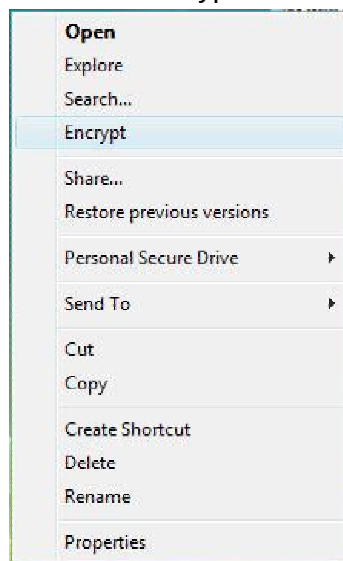


EFS (Encrypt File System)

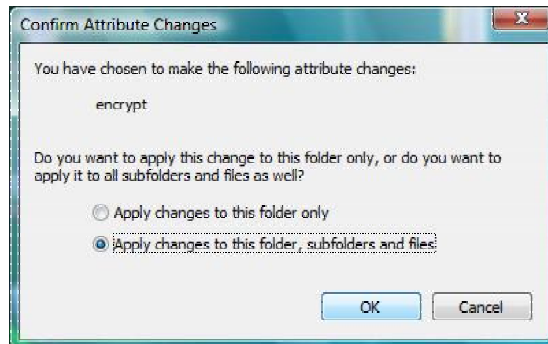
This function is not support for WINDOWS VISTA HOME PREMIUM, VISTA HOME BASIC AND XP HOME VERSION

This application is used to prevent the transferring of file folder from your original computer to another computer.

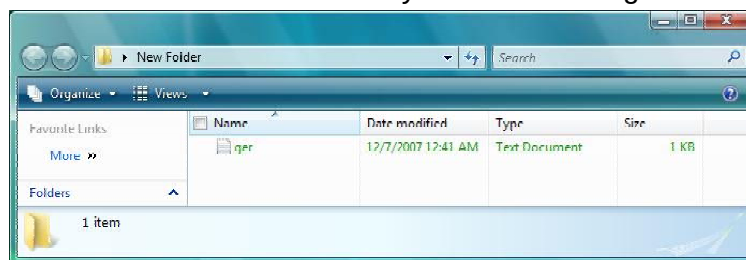
- Right click on your mouse right button and select the “Encrypt” item.



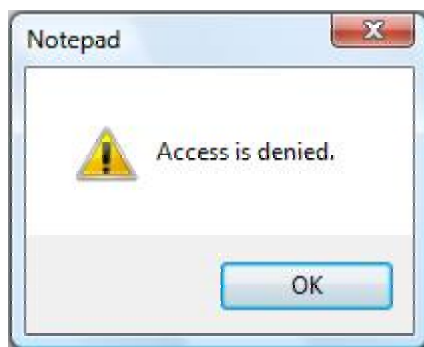
-
- Select the “Apply changes to this folder, subfolders and files” and click the “OK” tab.



- Select on the folder that you wish to change.



- A window will be displayed on your screen denying any access to the folder that you wish to change.



Personal Secure Drive

This application prevents the transferring of the HDD files being shown on another computer appearing as hidden files.

You can create your own files you save and set security for any unauthorized use. Since it is protected on a TPM application, the security is higher than those you save using any software application for security purposes. The maximum stored capacity for PSD is from 10MB to 2000MB. For detail explanation please refer the Help at User Manual

TPM Recovery

There are some certain circumstances to execute this application:

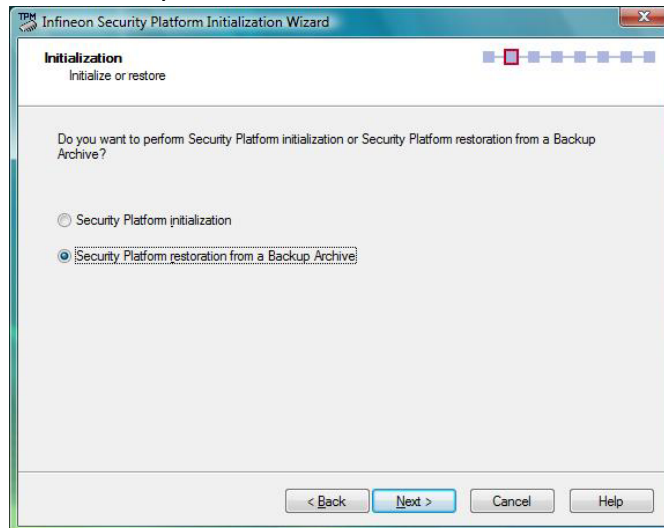
- Unable to use the TPM properly, re-change the TPM application.
- Re-change the TPM chips due.
- TPM loses all security information

Execute the Security Platform

- Press the TPM icon.
- The screen will enter the “Infineon Security Platform Initialization Wizard”.



-
- Select the “Security Platform restoration from a Backup Archive” item and click on the “Next” tab.



- Select the “New Trusted Platform Module” item and click on the “Next” button.