



Lenovo IdeaTab S2110A

User Guide v1.0



Read the safety notices and important tips in the included manuals before using your computer.

Notes

- Before using the product, be sure to read *Lenovo Safety and General Information Guide* first.
- Some instructions in this guide may assume that you are using Windows® 7. If you are using other Windows operating system, some operations may be slightly different. If you are using other operating systems, some operations may not apply to you.
- The features described in this guide are common to most models. Some features may not be available on your computer and/or your computer may include features that are not described in this user guide.

Regulatory Notice

- To refer to it, go to <http://consumersupport.lenovo.com/> and click **User guides and manuals**.

First Edition (June 2011)

© Copyright Lenovo 2011.

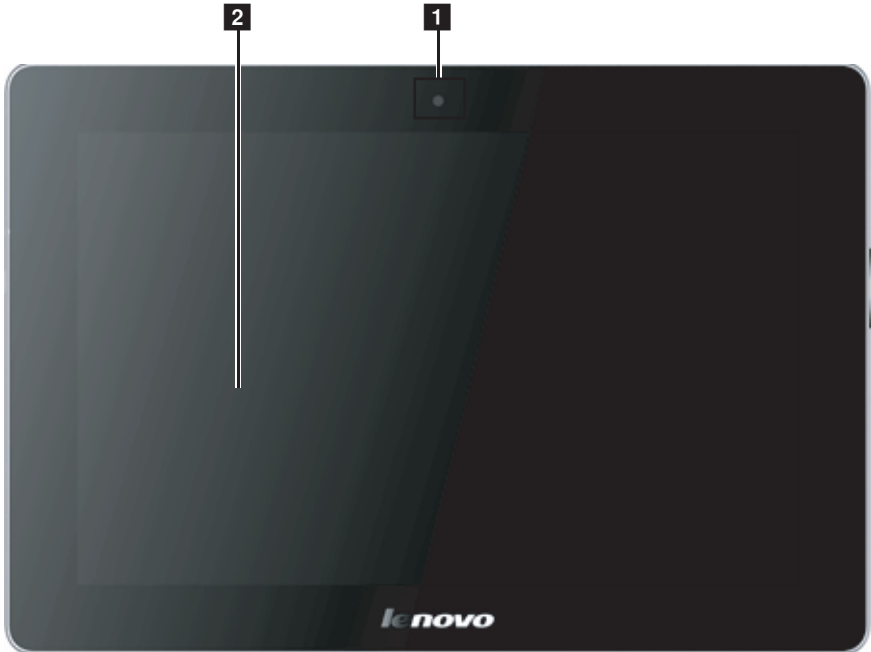
LENOVO products, data, computer software, and services have been developed exclusively at private expense and are sold to governmental entities as commercial items as defined by 48 C.F.R. 2.101 with limited and restricted rights to use, reproduction and disclosure. LIMITED AND RESTRICTED RIGHTS NOTICE: If products, data, computer software, or services are delivered pursuant a General Services Administration "GSA" contract, use, reproduction, or disclosure is subject to restrictions set forth in Contract No. GS-35F-05925.

Contents

Chapter 1. Getting to know your computer.....	1
Front view	1
Left-side view	2
Right-side view.....	3
Top view	4
Bottom view	5
Rear view	6
Docking front view (optional).....	7
Docking top view (optional).....	8
Docking left view (optional).....	9
Chapter 2. Learning the basics.....	10
First use.....	10
Using AC adapter and battery ...	11
Connecting external devices.....	13
Chapter 3. Connecting to the Internet.....	15
Wired connection	15
Wireless connection	16
Specifications.....	17

Chapter 1. Getting to know your computer

■ ■ Front view



Notes: The illustrations in this manual may differ from the actual product. Please refer to the actual product.

- 1 Front camera** Use the camera for video communication.
- 2 Screen** The touch screen allows you to operate the pad using multi-touch fingers.

Chapter 1. Getting to know your computer

Left-side view



- 1 Speaker** The stereo speakers provide rich and powerful sound.
- 2 Combo audio jack** Connects to headphones or headsets. The combo audio jack does not support conventional microphones.
- 3 Micro HDMI port** Connects to devices with HDMI input such as a TV or a display.
- 4 SIM card slot (On select models)** Insert a SIM card (not supplied) for using Mobile Broadband.

■ ■ Right-side view



- 1 Speaker** The stereo speakers provide rich and powerful sound.
- 2 Volume Button** Adjusts the volume.

Chapter 1. Getting to know your computer

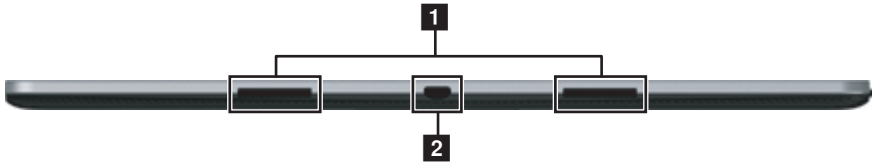
■ ■ Top view



1 Power button

Press this button to turn on the IdeaTab.

■ ■ Bottom view



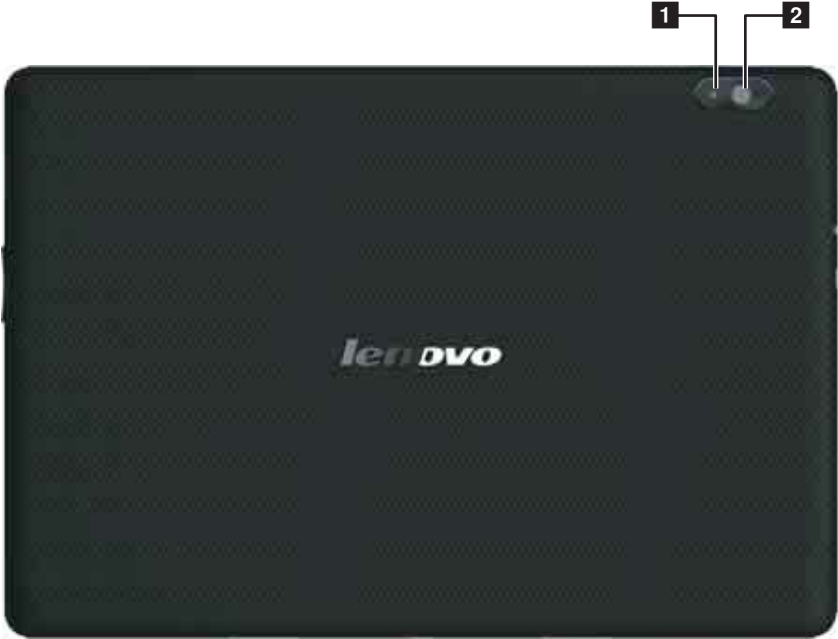
- 1 Position-limit hole**
- 2 Docking connector (compatible with micro USB)**

Insert the IdeaTab into the dock through this hole to fix the screen panel.

Insert the power adapter, USB cable or connect to the dock through this port.

Chapter 1. Getting to know your computer

■ ■ Rear view

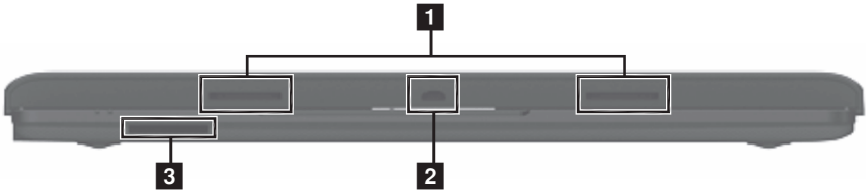


1 Flash

2 Back Camera

Use the camera for video communication.

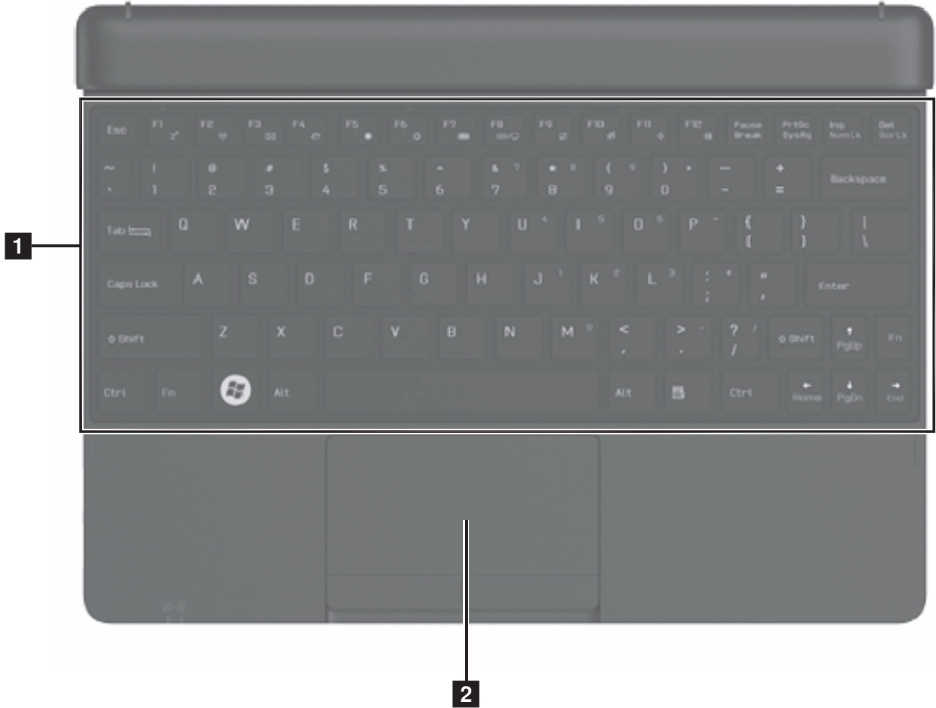
■ ■ Docking front view (optional)



- 1 Position-limit hole** Insert the IdeaTab into the dock through this hole to fix the screen panel.
- 2 Docking connector** Insert the IdeaTab into the dock through this connector.
- 3 Memory card slot** Insert memory cards (not supplied) here.

Chapter 1. Getting to know your computer

■ ■ Docking top view (optional)



1 Keypad

The Keypad functions as a conventional keyboard.

2 Touch pad

The Touch pad functions as a conventional mouse.

■ ■ Docking left view (optional)



- 1 Micro HDMI port** Connects to the docks to charge the IdeaTab.
- 2 USB port** Connect to USB devices.

Chapter 2. Learning the basics

■ ■ First use

■ Reading the manuals

Read the supplied manuals before using your computer.

■ Connecting to the power

The supplied battery pack is not fully charged at purchase.

To charge the battery and begin using your computer, insert the battery pack and connect the computer to an electrical outlet. The battery is automatically charged while the computer is running on AC power.

Installing the battery pack

Refer to the supplied *Setup Poster* to install the battery pack.

Connecting the computer to an electrical outlet

- ① Connect the power cord to the AC adapter.
- ② Connect the AC adapter to the AC power adapter jack of the computer firmly.
- ③ Plug the power cord into an electrical outlet.

■ Turning on the computer

Press the power button to turn on the computer.

■ Configuring the operating system

You may need to configure the operating system when it is first used. The configuration process may include the procedures below.

- Accepting the end user license agreement
- Configuring the Internet connection
- Registering the operating system
- Creating a user account

■ ■ Using AC adapter and battery

■ Checking battery status

You can determine the percentage of battery power remaining by checking the battery icon in the notification area.

Note: As each computer user has different habits and needs, it is difficult to predict how long a battery charge will last. There are two main factors:

- The amount of energy stored in the battery when you commence work.
- The way you use your computer: for example, how often you access the hard disk drive and how bright you make the computer display.

■ Charging the battery

When you find that the battery power is low, you need to charge the battery or replace it with a fully charged one.

You need to charge the battery in any of the following situations:

- When you purchase a new battery
- If the battery status indicator starts blinking
- If the battery has not been used for a long time

Notes:

- You are advised to insert the battery pack when using your computer to prevent small particles from entering the inside of your computer.
- To increase the life of the battery pack, the computer does not start recharging the battery immediately after it drops from fully charged.
- Charge the battery at a temperature between 50 °F and 86 °F (10 °C-30 °C).
- Full charge or discharge is not required.

Chapter 2. Learning the basics

■ Removing the battery pack

If you are not going to use the computer for an extended period of time, or if you need to send your computer to Lenovo for service, etc. remove the battery pack from the computer. Before removing the battery pack, make sure the computer has been shut down.

■ Handling the battery

If the rechargeable battery pack is replaced with an incorrect type, there may be danger of an explosion. The battery pack contains a small amount of harmful substances. To avoid possible injury and detriment to the environment, pay attention to the following points:

- Replace only with a battery of the type recommended by Lenovo.
- Keep the battery pack away from fire.
- Do not expose the battery pack to water or rain.
- Do not attempt to disassemble the battery pack.
- Do not short-circuit the battery pack.
- Keep the battery pack away from children.
- Do not put the battery pack in trash that is disposed of in landfills. When disposing of the battery, comply with local ordinances or regulations and your company's safety standards.

■ ■ Connecting external devices

Your computer has a wide range of built-in features and connection capabilities.

■ Using memory cards (not supplied)

Your computer supports the following types of memory cards:

- Secure Digital (SD) card
- MultiMediaCard (MMC)
- Secure Digital High Capacity (SDHC) card

Notes:

- Insert **ONLY** one card in the slot at a time.
- This card reader does not support SDIO devices (e.g., SDIO Bluetooth, etc.).

Inserting a memory card

- 1 Push the dummy card until you hear a click. Gently pull the dummy card out of the memory card slot.

Note: The dummy card is used for preventing dust and small particles from entering the inside of your computer when the memory card slot is not in use. Retain the dummy card for future use.

- 2 Slide the memory card in until it clicks into place.

Removing a memory card

- 1 Push the memory card until you hear a click.
- 2 Gently pull the memory card out of the memory card slot.

Note: Before removing the memory card, disable it via Windows safely remove hardware and eject media utility to avoid data corruption.

Chapter 2. Learning the basics

■ Connecting a universal serial bus (USB) device

Your computer comes with three USB ports compatible with USB devices.



Note: When using a high power consumption USB device such as USB ODD, use the external device's power adapter. Otherwise, the device may not be recognized, and system shut down may result.

■ Connecting *Bluetooth* enabled devices (on select models)

If your computer has an integrated *Bluetooth* adapter card, it can connect to and transfer data wirelessly with other *Bluetooth* enabled devices, such as notebook computers, PDAs and cell phones. You can transfer data between these devices without cables and up to 10 meters range in open space.

Note: The actual maximum range may vary due to interference and transmission barriers. To get the best possible connection speed, place the device as near your computer as possible.

Enabling *Bluetooth* communications on your computer

- 1 Slide the integrated wireless device switch from  to .
- 2 Press **Fn + F5** to make configuration.

Notes:

- When you do not need to use the *Bluetooth* function, turn it off to save battery power.
- You need to pair the *Bluetooth* enabled device with your computer before you can transfer data between them. Read the documentation supplied with the *Bluetooth* enabled device for details on how to pair the device with your computer.

Chapter 3. Connecting to the Internet

As a global network, the Internet connects computers worldwide, providing services such as e-mailing, information searching, electronic commerce, Web browsing and entertainment.

You can connect the computer to the Internet in the following ways:

Wired connection: use physical wiring to connect.

Wireless network technology: connect without wiring.

■ ■ Wired connection

Wired connections are a reliable and safe way to connect the computer to the Internet.

Cable	Cable Internet services use a cable modem connected to the residential cable TV line.
DSL	DSL is a family of related technologies that bring high-speed network access to homes and small businesses over ordinary telephone lines.

■ Software configuration

Consult your Internet Service Provider (ISP) for details on how to configure your computer.

Chapter 3. Connecting to the Internet

■ ■ Wireless connection

Wireless connections provide mobile access to the Internet, allowing you to stay online anywhere the wireless signal covers.

Divided by the signal scales, wireless connection to the Internet can be built based on the following standards.



Wi-Fi	Wi-Fi networks cover a small physical area, like a home, office, or small group of buildings. An access point is necessary for the connection.
-------	--

Note: Your computer may not support all wireless connection methods.

■ Using Wi-Fi/

Enabling wireless connection

To enable wireless communications, do the following:

- 1 Slide the integrated wireless device switch from  to .
- 2 Press **Fn + F5** to make configuration.

Software configuration

Consult your Internet Service Provider (ISP) and search Windows Help and Support Center for details on how to configure your computer.

Specifications

Model Name: IdeaTab S2110A

Machine Type: 60012; 2258

Note: The following specifications may contain technical inaccuracies or typographical errors. Lenovo reserves the right to improve and/or change specifications at any time without notice.

Form Factor

Dimensions	Appr. 259.77 mm × 177.97 mm × 8.69 mm
Weight	Appr. 580 g
LCD size	10.1" W-LED

Platform

Freescale iMX51	Qualcomm Snapdragon APQ8060A/MSM8260A/MSM8660A
-----------------	---

Memory

Type and speed	LP-DDR2
Maximum supported capacity	1 GB

Hard disk drive

Storage	eMMC (Flash on board) 16G/32G/64G
---------	-----------------------------------

Display

Display resolution (LCD)	1,280 × 800 pixels
LCD screen	LED backlight

I/O Ports

USB	Docking connector (including Micro USB) × 1
Audio	3.5 mm Combo audio jack × 1
Communication	Support 802.11 b/g/n Bluetooth 3G WWAN (Select models only)
HDMI	Micro HDMI (type-D) conn × 1

Specifications

Battery pack

Type	Li-Ion polymer
Cells/Capacity	2 cell, 23.4 WH

AC adapter

Output voltage	5.2V DC,10W
----------------	-------------

Miscellaneous

Camera	1.3M HD on front/5.0M-AF on back
--------	----------------------------------

Model Name: Docking connector

Note: The following specifications may contain technical inaccuracies or typographical errors.
Lenovo reserves the right to improve and/or change specifications at any time without notice.

Form Factor

Pad+Dock Dimensions	259.8 mm × 190 mm × 19.14 mm (21.74 Hinge)
Dimensions	Appr. 259.8 mm × 190 mm × 9.85 mm
Weight	Appr. 600 g
Open angle ranges	less than 135 degrees

Keyboard

83 keys	254.68 mm × 96.40 mm × 4.6 mm
---------	-------------------------------

I/O Ports

USB	USB 2.0 × 2
Docking connector	Docking connector (Compatible with Micro USB) × 1 Docking charging (No USB Function) × 1

Specifications



European Community Compliance Statement

This equipment is marked with the 0700 symbol and can be used throughout the European community.

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC:

- EN 60950-1: 2006+A11:2009:+A1:2010+A12:2011
Safety of Information Technology Equipment

- EN 62209-2: 2010
Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation, and procedures – Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)

- EN 62311:2008
Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz-300 GHz)
(IEC 62311:2007 (Modified))

- EN 62479:2010

- EN 301 489-1 V1.9.2

Specifications

Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

- EN 301 489-17 V2.1.1 2009
Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment
- EN 300 328 V1.7.1: 2006
Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

Marking by the symbol indicates that usage restrictions apply.

This device is a 2.4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France and Italy where restrictive use applies.

In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services.

This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 – 2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France.

For the device which tests accordance to EN 60950-1:

2006+A11:2009:+A1:2010+A12:2011, it is mandatory to perform audio tests for

Specifications

EN50332.

This device have been tested to comply with the Sound Pressure Level requirement laid down in the applicable EN 50332-1and/or EN 50332-2 standards. Permanent hearing loss may occur if earphones or headphones are used at high volume for prolonged periods of time.



Warning statement:

A pleine puissance, l'écoute prolongée du baladeur peut endommager l'oreille de l'utilisateur.

CE SAR Information

THIS MOBILE DEVICE MEETS GUIDELINES FOR EXPOSURE TO RADIO WAVES. Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health.

The exposure guidelines for mobile devices employ a unit of measurement known as the Specific Absorption Rate or SAR. The SAR limit stated in the ICNIRP guidelines is 2.0 W/kg averaged over 10 grams of tissue. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. The actual SAR level of an operating device can be below the maximum value because the device is designed to use only the power required to reach the network. That amount changes depending on a number of factors such as how close you are to a network base station. The highest SAR value under the ICNIRP guidelines for use of the device at the body is 0.355W/kg. Use of device accessories and enhancements may result in different SAR values. SAR values may vary depending on national reporting and testing requirements and the network band. The device could be used with a separation distance of 0 cm to the human body.

FCC Regulations:

- 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.
- This device 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 radiated radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver connected.
 - Consult the dealer or an experienced radio/TV technician for help. FCC Caution: Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must fixed to US operation channels only.

RF Exposure Information (SAR)

This device 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.

The exposure standard for wireless device employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. *Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The highest SAR value for the device as reported to the FCC when worn on the body, as described in this user guide is **1.05** W/kg (WLAN), 1.2W/kg (WWAN) (Body-worn measurements differ among device models, depending upon available enhancements and FCC requirements.)

While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: 057WESTLAKE3G.

IC Regulations:

This device complies with RSS-210 of the Industry Canada 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.

Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

The County Code Selection feature is disabled for products marketed in the US/Canada.

For product available in the USA/ Canada markets, only channel 1~11 can be operated. Selection of other channels is not possible.

IMPORTANT NOTE:

FCC/IC Radiation Exposure Statement

This EUT is compliance with SAR for general population/uncontrolled exposure limits in FCC 2.1093 & IC RSS-102 and had been tested in according with the measurement methods and procedures specified in IEEE 1528/IEC62209-2. This equipment is safe for the intended operation as described in this manual. Further RF exposure reduction can be achieved if the product is kept as far away as possible from the user body or by selecting a lower output power. If such a function is available on the device.

WEEE Notice

The WEEE logo on the product or on its box indicates that this product must not be disposed of or dumped with your other household waste. You are liable to dispose of all your electronic or electrical waste equipment by relocating over to the specified collection point for recycling of such hazardous waste. Isolated collection and proper recovery of your electronic and electrical waste equipment at the time of disposal will allow us to help conserve natural resources. Moreover, proper recycling of the electronic and electrical waste equipment will ensure safety of human health and environment. For more information about electronic and electrical waste equipment disposal, recovery, and collection points, please contact your local city center, household waste disposal service, shop from where you purchased the equipment, or manufacturer of the equipment.

RoHS Compliance

This product is in compliance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003, on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) and its amendments.

Power saving reminder:

CE Energy-Related Products Directive 2009/125/EC Information

Please ask the local distributor, supplier or importer below information:

- The related information of recycle or dispose.
- The related information of spare parts issue.
- Maintenance service.
- When you don't use this device for a long period, please turn off this device and you can save more electric power.

lenovo[®]

New World. New Thinking.[™]

www.lenovo.com