

Lenovo MIX 710-12IKB

User Guide



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

Lenovo™

Notes

- Before using the product, be sure to read *Lenovo Safety and General Information Guide* first.
- The latest electronic compliance and environmental information are available from the Lenovo compliance information Web sites.
 - To view compliance information go to:
<http://www.lenovo.com/compliance>
 - To download environmental information go to:
<http://www.lenovo.com/ecodeclaration>
- Some instructions in this guide may assume that you are using Windows® 10. If you are using another 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 or your computer may include features that are not described in this user guide.
- The illustrations in this manual may differ from the actual product. The screenshots of operating system are for reference only. Please refer to the actual product.

Regulatory Notice

- For details, refer to **Guides & Manuals** at <http://support.lenovo.com>.

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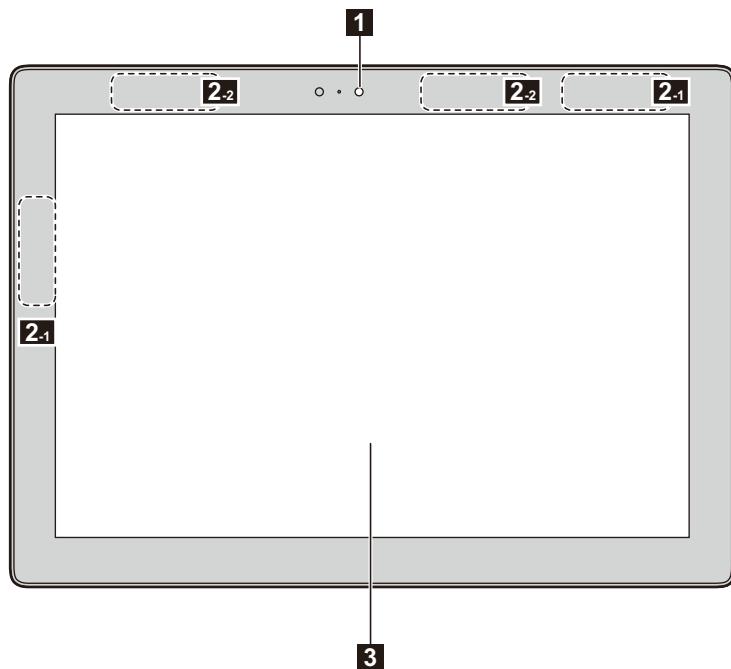
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Contents

Chapter 1. Getting to know your computer.....	1
Front view	1
Left-side view	3
Right-side view	4
Top View	5
Bottom view.....	6
Rear view	7
To use the stand cover.....	8
Keyboard folio top view	10
To use the active pen (On select models)	19
Chapter 2. Starting to use Windows 10.....	20
Configuring the operating system for the first time.....	20
Operating system interfaces.....	20
Putting the computer to sleep or shutting it down.....	23
Touch screen operation.....	25
Connecting to a wireless network.....	28
Get help from Windows	29
Chapter 3. Recovery system	30
Chapter 4. Troubleshooting.....	32
Frequently asked questions.....	32
Troubleshooting.....	33
Trademarks	36

Chapter 1. Getting to know your computer

Front view



1 Front camera

Use the camera for video communication or taking photos.

2 Wireless LAN antenna

Connects to a wireless LAN adapter to send and receive wireless radio signals.

Note: For Wi-Fi models, the WLAN antennas are located in **2-1**; For LTE models, the WLAN antennas are located in **2-1** and **2-2**.

3 Multi-touch screen

Functions as the visual display as well as touch pad input.

Note: For details, see "Touch screen operation" on page 25.

Chapter 1. Getting to know your computer

■ Screen orientation

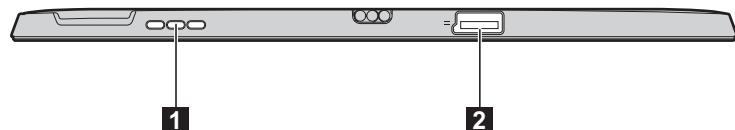
You can rotate the display panel to your preferred orientation.

The orientation of the display automatically changes (alternating between portrait and landscape modes) depending on how you hold it.



Chapter 1. Getting to know your computer

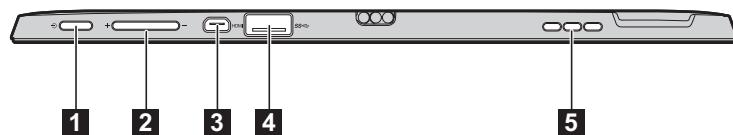
■ Left-side view



1	Speakers	Provide audio output.
2	AC power adapter jack (with USB 2.0 function)	Connects to the AC power adapter.

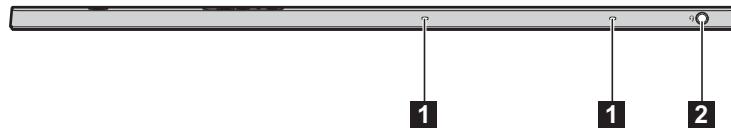
Chapter 1. Getting to know your computer

■ Right-side view



1 Power button	When the computer is off, press and hold this button to turn on the computer.
2 Volume up/down button	Increases/decreases the volume level.
3 Micro HDMI port	Connects to devices with micro HDMI input such as a TV or an external display.
4 USB 3.0 port	Connects to USB devices.
5 Speakers	Provide audio output.

■ Top View



1 Digital array microphone Captures sound which can be used for video conferencing, voice narration, or audio recording.

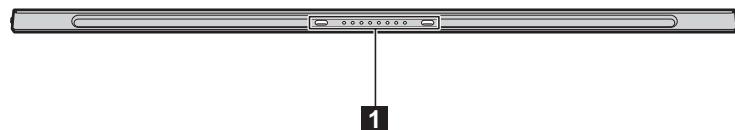
2 Combo audio jack Connects to headsets.

Notes:

- The combo audio jack does not support conventional microphones.
- The recording function might not be supported if third-party headphones or headsets are connected, due to different industry standards.

Chapter 1. Getting to know your computer

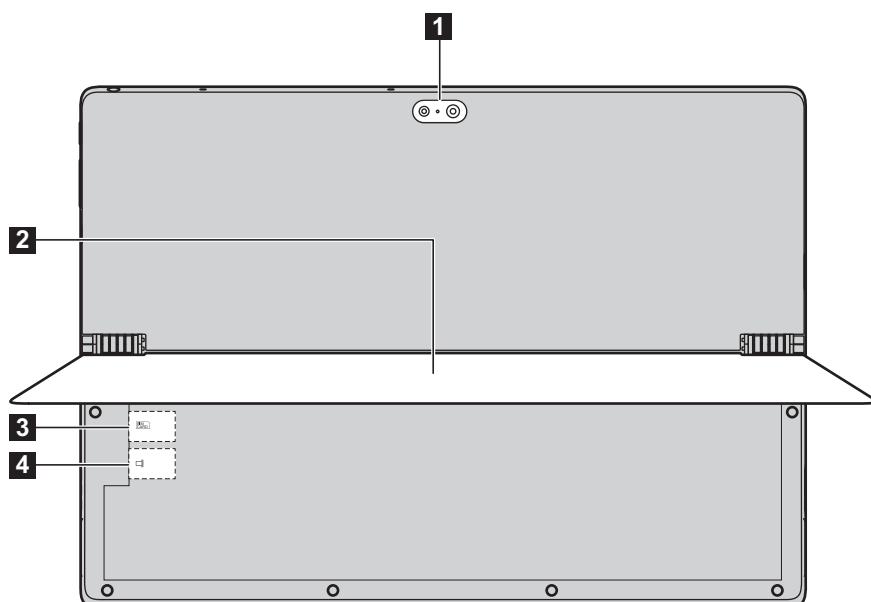
■ Bottom view



1 Pogo pin with guide pin

Note: For details, see “Combination of tablet and keyboard folio” on page 13.

■ **Rear view**



1 Rear camera

Use the camera for video communication or taking photos.

2 Stand cover

This stand cover can flip as required, allowing the tablet to stand at different angles.

Note: Always keep the flip angle below 150°. Be careful not to leave a pen or any other items between the stand cover and the bottom plate after closing the stand cover. Otherwise, it could be damaged.

3 SIM card slot (on select models)

Accepts a SIM card (not supplied).

4 Micro SD card slot

Accepts a micro SD card (not supplied).

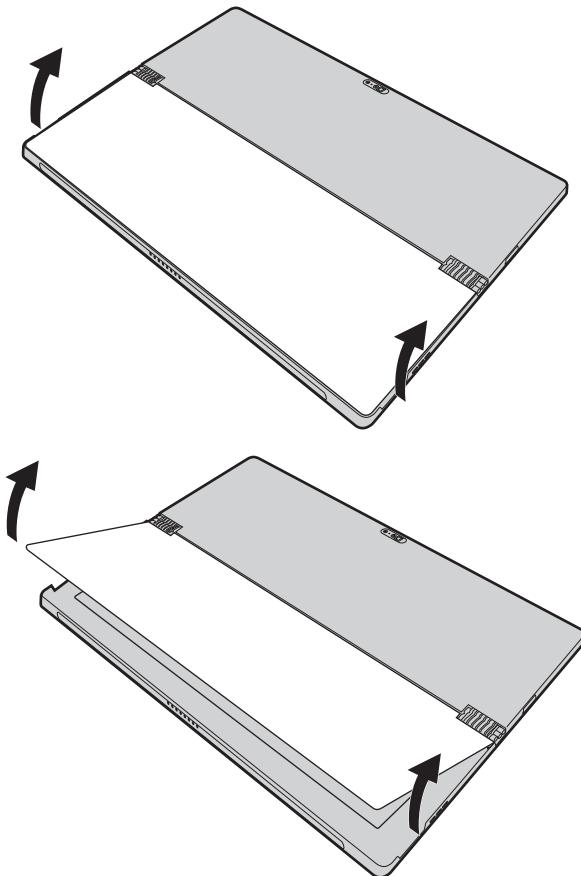
Chapter 1. Getting to know your computer

■ To use the stand cover

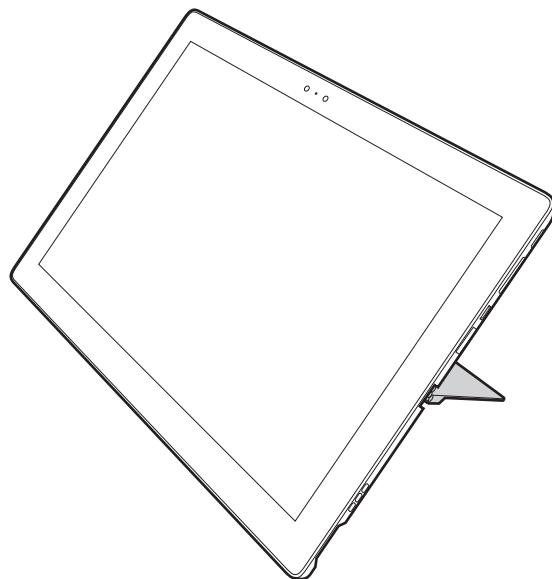
Lenovo MIIX 710-12IKB is equipped with a stand cover which can be flipped as preferred; to stand the tablet at different angles.

■ To flip the stand cover

As shown by the arrow, flip the stand cover gently to the desired angle by inserting your finger in the finger recess between the stand cover and the bottom plate.



Chapter 1. Getting to know your computer

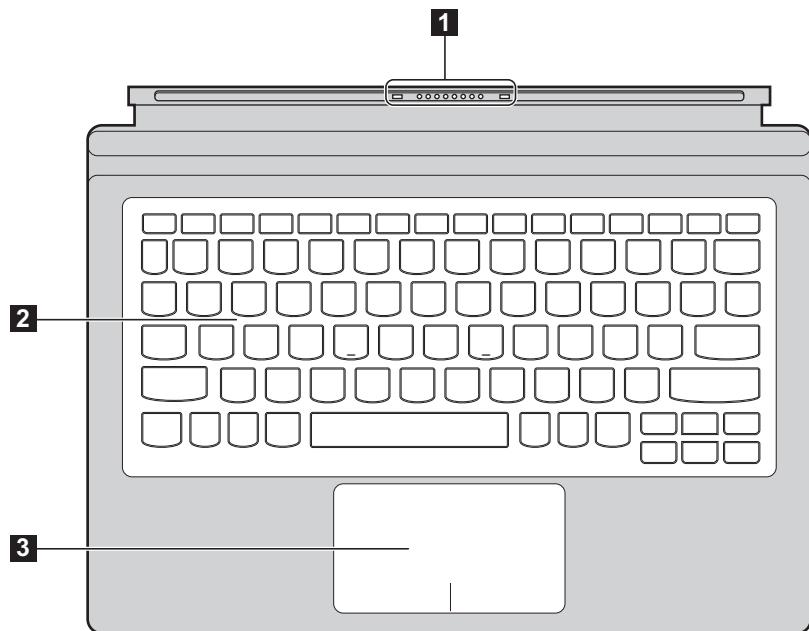


Notes:

- Do not use excessive force when flipping to avoid damage to the hinge.
- Always keep the flip angle below 150°. Be careful not to leave a pen or any other items between the stand cover and the bottom plate after closing the stand cover. Otherwise, it could be damaged.

Chapter 1. Getting to know your computer

■ **Keyboard folio top view**



1 Pogo pin with guide pin Connect the tablet to the keyboard Folio and secure it in the installation position.

Note: For details, see “Combination of tablet and keyboard folio” on page 13.

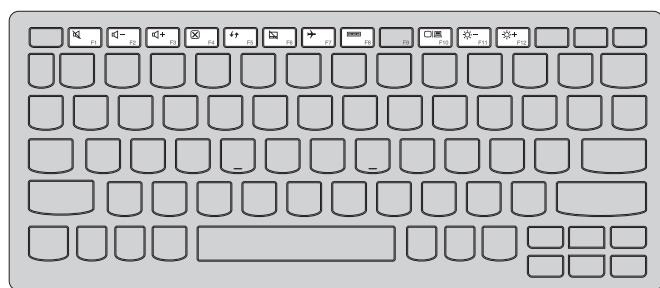
2 Keyboard

3 Touch pad

■ Using the keyboard

Hotkeys

You can access certain system settings quickly by pressing the appropriate hotkeys.

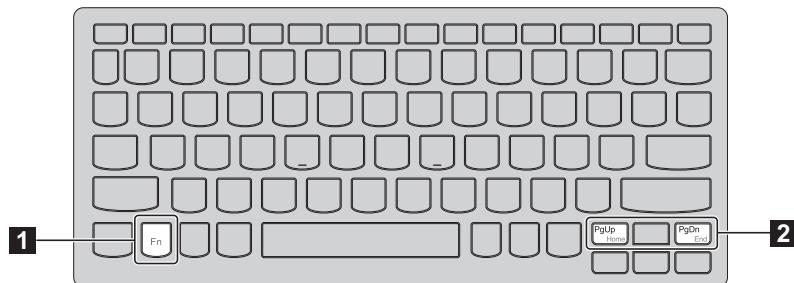


 F1	Mutes/unmutes the sound.	 F7	Enables/disables Airplane mode.
 F2	Decreases the volume level.	 F8	Displays all currently active apps.
 F3	Increases the volume level.	 F10	Toggles the display between the computer and an external device.
 F4	Closes the currently active window.	 F11	Decreases display brightness.
 F5	Refreshes the desktop or the currently active window.	 F12	Increases display brightness.
 F6	Enables/disables the touch pad.		

Chapter 1. Getting to know your computer

■ Function key combinations

Through the use of the function keys, you can change operational features instantly. To use this function, press and hold **Fn** **1**; then press one of the function keys **2**.



The following describes the features of each function key.

Fn + PgUp: Activates the Home function.

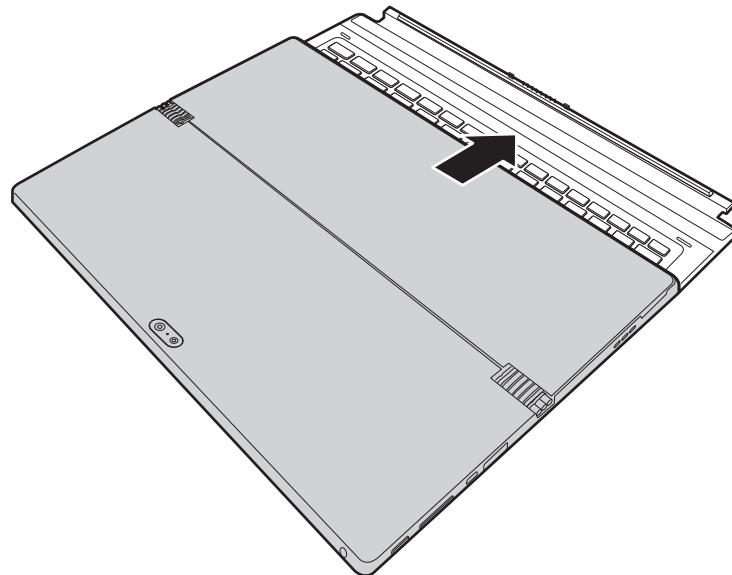
Fn + PgDn: Activates the End function.

■ **Combination of tablet and keyboard folio**

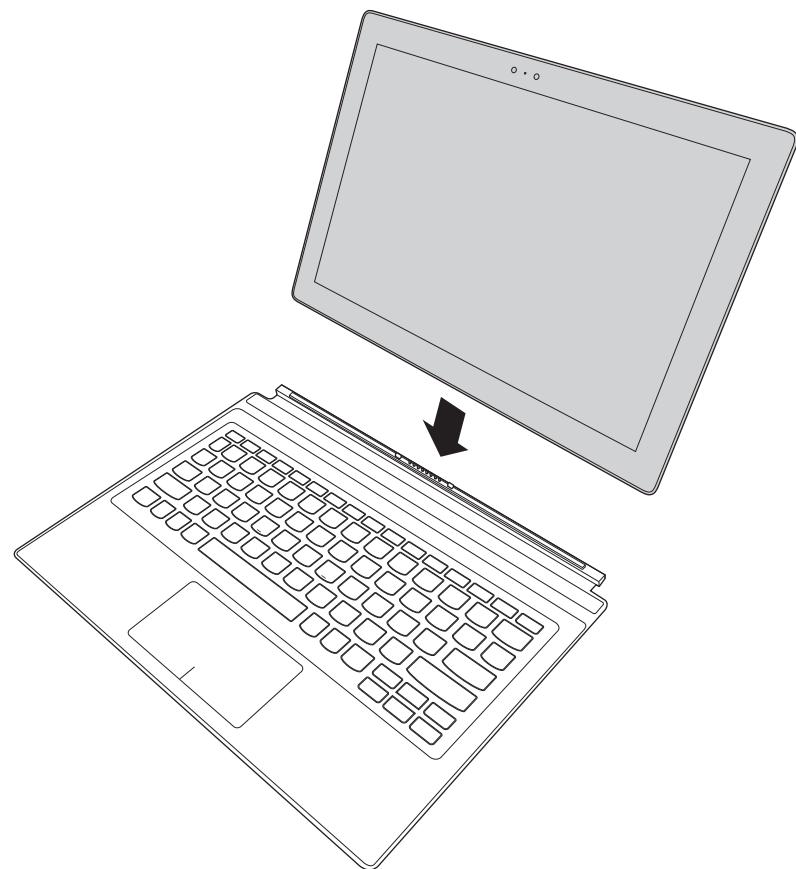
The Lenovo MIIX 710-12IKB is not only a tablet. It can be combined with a keyboard folio and used as a notebook computer.

Attaching the tablet

Align the connector of the keyboard folio with the tablet and then attach the tablet in the direction shown by the arrow.



Chapter 1. Getting to know your computer

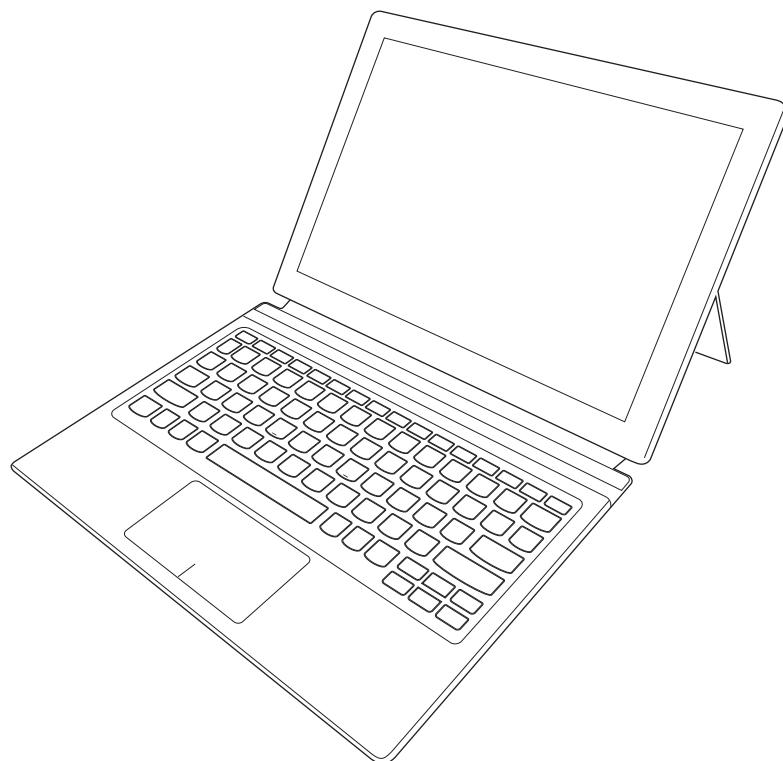


Note: Tablet-keyboard folio tongue has strong magnetic force, so as to easily connect with and secure the tablet.

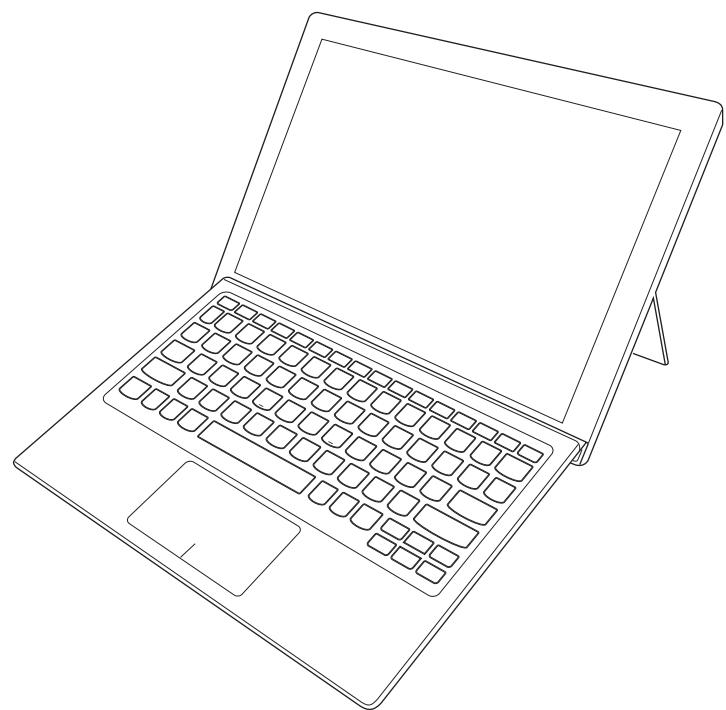
Chapter 1. Getting to know your computer

Placement mode of the tablet and the keyboard folio

There are two placement modes of the tablet and the keyboard folio. You can select one as you desire.



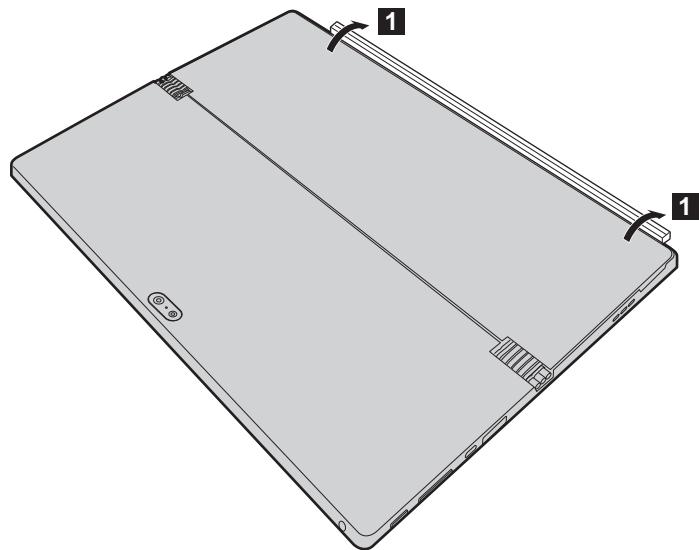
Chapter 1. Getting to know your computer



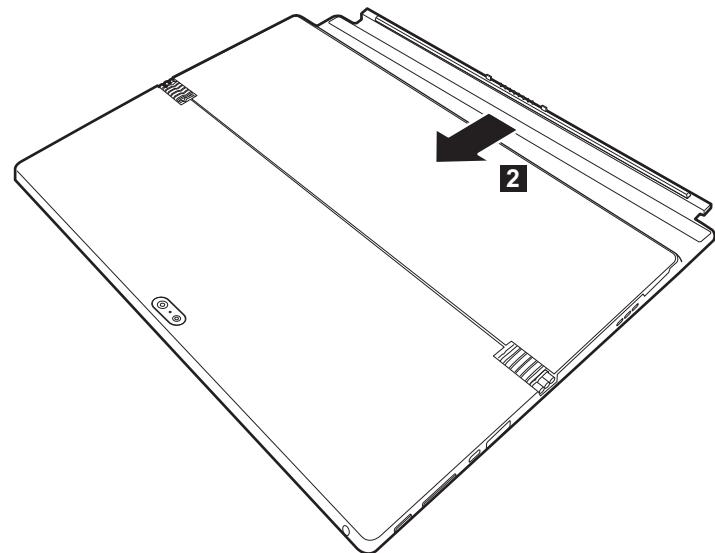
Chapter 1. Getting to know your computer

Detaching the tablet

As shown by the arrow in Fig. 1, push both ends of the tablet-keyboard folio tongue to detach it from the tablet, while carefully detaching the tablet in the direction shown by the arrow 2.



Chapter 1. Getting to know your computer

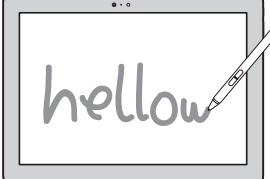
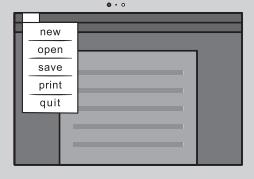
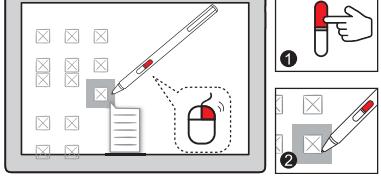
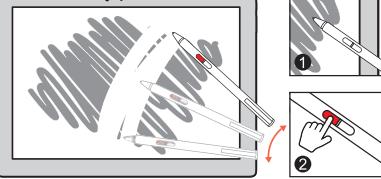
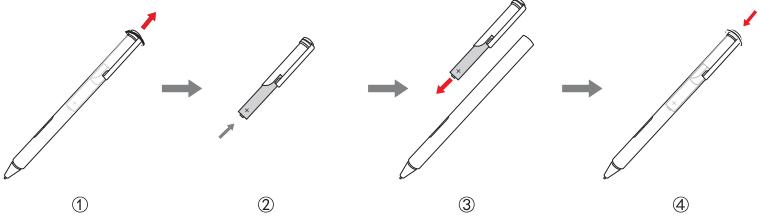


Notes:

- Be careful not to damage the connector when attaching or detaching the tablet.
- The illustrations above are for reference only, please refer to the actual product.

■ To use the active pen (On select models)

Select model is equipped with the active pen, to use it, refer to the following illustrators.

Function	
Writing	
Displaying the function menu Press the upper button while holding the active pen.	
Press the upper button to access right-click function	
Erasing press the lower button while writing.	
To replace the battery	

Chapter 2. Starting to use Windows 10

■■ Configuring the operating system for the first time

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

■■ Operating system interfaces

The return of the Start menu

Windows 10 comes with a powerful and useful start menu.

To open the start menu, do one of the following:

- Select the Start button in the lower-left corner, the Start menu is displayed.
- Press the Windows key  on the keyboard.



The power button is on the Start menu, select it you can choose to shut down or restart the computer, or put the computer into sleep mode.



Through the Start menu, you can locate all the installed apps or view the frequently used apps.

Chapter 2. Starting to use Windows 10

The ACTION CENTER

Select the ACTION CENTER icon  on the taskbar and the ACTION CENTER is displayed.

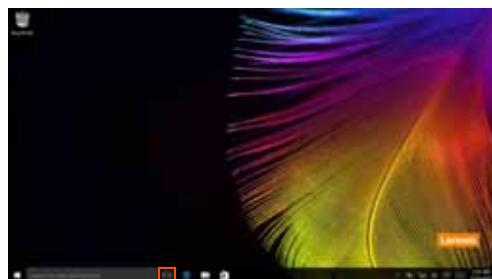


From the ACTION CENTER, you can examine important notifications from Windows and your apps. Moreover, you can change common settings quickly.

Task View in taskbar

In Windows 10, you can add a new desktop and switch between different desktops. To add a new desktop, do the following:

- Select the Task View icon  in the taskbar area.



Chapter 2. Starting to use Windows 10

- Select New desktop.



To switch between desktops, select the Task View icon , then select your desired desktop.
Also, you can manage apps in the multi-tasking view:

- 1 Select the Task View button to display all apps in use on the screen.
- 2 Select to enter the apps or close the apps.

■ Putting the computer to sleep or shutting it down

When you have finished working with your computer, you can put it to sleep or shut it down.

■ Putting your computer to sleep

If you will be away from your computer for only a short time, put the computer to sleep. When the computer is in sleep mode, you can quickly wake it to resume use, bypassing the startup process.

To put the computer to sleep, do one of the following:

- Press the Power button.
- Select the Start button, then select **Power**  → **Sleep**.

Note: Put your computer to sleep before you move it. Moving your computer while the hard disk drive is spinning can damage the hard disk, causing loss of data.

To wake the computer, do one of the following:

- Press any key on the keyboard.
- Press the Power button.
- Press the Windows button.

Chapter 2. Starting to use Windows 10

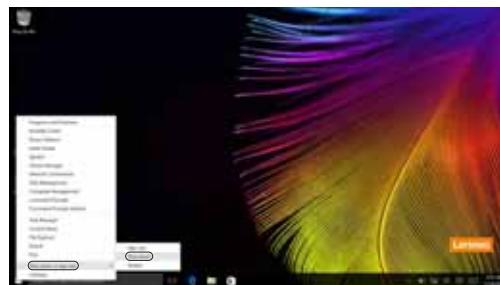
■ Shutting down the computer

If you are not going to use your computer for a long time, shut it down.
To shut down the computer, do one of the following:

- Select the Start button, then select **Power**  → **Shut down**.



- Right-click or press the Start button in the lower-left corner and select **Shut down or sign out** → **Shut down**.



■ Touch screen operation

The display panel can accept inputs like a tablet, using the multi-touch screen, or like a traditional notebook computer, using the keyboard and touch pad.

■ Multi-touch gestures

You can touch the screen with one or more fingertips to perform a variety of tasks.

Frequently used gestures	Tasks performed
Tap Tap once on an item. 	Performs an action, such as starting an app, opening a link, or performing a command. Similar to left-clicking with a mouse.
Press and hold Press your finger down and leave it there for a moment. 	Enables you to see detailed information before selecting an action. Can also open a menu with more options. Similar to right-clicking with a mouse.

Chapter 2. Starting to use Windows 10

(continued)

Frequently used gestures	Tasks performed
<p>Zoom Move two fingers together or apart while touching the screen.</p> 	<p>Zooms in and out on visual apps, such as pictures and maps. Can also jump to the beginning or end of a list.</p>
<p>Rotate Place two or more fingers on an item and then turn your hand.</p> 	<p>Rotates an object (Note: Not all items can be rotated, depending upon the app.).</p>
<p>Slide Drag your finger across the screen.</p> 	<p>Pans or scrolls through lists and pages. Can also move an object or be used to draw or write, depending upon the app. Similar to pressing and holding to pan and to scrolling with a mouse.</p>

(continued)

Frequently used gestures	Tasks performed
<p>Swipe Start from any edge of the screen, then swipe inwards toward the center.</p>  	<p>Swiping in from the left edge can:</p> <ul style="list-style-type: none">• Bring in and open an app currently running in the background. <p>Swipe from the right edge can open the ACTION CENTER.</p>

Chapter 2. Starting to use Windows 10

■■ Connecting to a wireless network

Enabling wireless connection

To confirm that Airplane mode is disabled, go to the desktop and check the notification area.

If you see the  icon displayed on the lower right, then Airplane mode is on. Otherwise, wireless function is enabled.

Note: Airplane mode is disabled by default.

If Airplane mode is on, do one of the following to enable the wireless function:

- Press  to disable Airplane mode (located on the keyboard).
- Select the  icon on the lower right corner of the notification area to open the network configuration page.
- Select **Settings**  → **Network & Internet** → **Airplane mode** to open the network configuration page. Then toggle the airplane mode switch to **Off**.

Connecting to a wireless network

After wireless has been enabled, the computer will scan for available wireless networks and display them in the wireless network list. To connect to a wireless network, click the network name in the list, and then click **Connect**.

Note: Some networks require a network security key or passphrase for connection. To connect to one of those networks, ask the network administrator or the Internet Service Provider (ISP) for the security key or passphrase.



■ ■ Get help from Windows

If you have a problem with the operating system, see the Windows Get Started app. To open it, do the following:

- Select the Start button, then select **Get Started** from All apps.

Chapter 3. Recovery system

■ Introduction

Reset this PC is a built-in recovery tool that enables users to restore their operating system to its original state. This preserves their data and important customizations, without the need to back up their data in advance.

The following **Reset this PC** features are available to users from multiple locations within Windows:

keep my files

Fixes software problems by reinstalling the factory default configuration. This preserves the personal files, and deletes apps and settings.

Remove everything

Prepares the computer for recycling or transfer of ownership. This reinstalls the factory default configuration and returns all user data and applications to the state of their original Out-of-Box Experience (OOBE).

■ Using Reset this PC

Reset this PC can be launched using one of the following methods:

- Power button + Volume up button:
 - Shut down the computer and wait at least five seconds.
 - Press and hold the volume up button and then press the Power button, until the Novo Menu appears on the screen.
 - Novo menu → **System Recovery** → **Troubleshoot** → **Reset this PC**
- Windows PC settings:
 - Windows PC settings → **Update&security** → **Recovery** → **Reset this PC** → select **Start**.

For more instructions, see the Windows Help and Support file on your computer.

When I purchased my computer, it included a copy of Windows. How can I determine whether the copy of Windows is preinstalled by Lenovo?

On the outside of the sales package of your computer, you should find a label containing configuration information for your computer. Check the printed string next to **OS**. If it contains **Windows** or **WIN**, the copy of Windows was preinstalled by Lenovo.

What is the Recovery Partition?

If your computer is preinstalled with any version of Windows 10, the storage device of your computer contains a Recovery Partition. This partition contains the image file of the preinstalled Windows operating system. In cases of system failure, you can use the Lenovo OneKey Recovery system or the Windows Reset feature to restore the operating system to its factory status.

Note: The Recovery Partition is not assigned a drive letter and cannot be accessed through Windows File Explorer.

I uninstalled a preinstalled software, but there is no significant increase in the free drive space.

The copy of Windows running on your computer may be Compact technology enabled. For computers with Compact technology enabled Windows, the majority of files needed for preinstalled software are installed on the Recovery Partition and won't be deleted through normal uninstallation.

What happens if I attempt to delete or modify the Recovery Partition?

© Attention:

- Do *not* delete or modify the Recovery Partition on a Compact technology enabled computer. If the Recovery Partition is deleted or modified, you may not be able to restore Windows to the factory status. For computer models on which Compact technology is enabled, deleting the Recovery Partition may cause Windows to fail to start.

How can I determine whether the Windows running on my computer is Compact technology enabled?

Compact technology is normally enabled on copies of Windows 10 Update running on SSD (or eMMC) -only computer models. To check your computer,

- 1 Right-click the Start button in the lower-left corner and select **Disk Management**.
- 2 The Disk Management program starts.

If **Wim Boot** is labeled on the Windows partition (as illustrated), Compact technology is enabled on your copy of Windows.



Chapter 4. Troubleshooting

■ ■ Frequently asked questions

This section lists frequently asked questions by category.

■ Finding information

What safety precautions should I follow when using my computer?

The Lenovo *Safety and General Information Guide* which came with your computer contains safety precautions for using your computer. Read and follow all precautions during use.

Where can I find the hardware specifications for my computer?

You can find hardware specifications for your computer on the printed flyers which came with your computer.

Where can I find warranty information?

For detailed warranty information on this machine, please visit below website to check out:
support.lenovo.com/warrantystatus.

■ Drivers

Where can I find drivers for the various hardware devices of my computer?

You can download the latest device drivers from the Lenovo consumer support website.

■ Getting help

How can I contact the customer support center?

See "Chapter 3. Getting help and service" in the Lenovo *Safety and General Information Guide*.

■ Troubleshooting

If you do not find your problem here, see Chapter 1. The following section only describes problems that might negate the need to refer to the more comprehensive information in Chapter 1.

Display problems

When I turn on the computer, nothing appears on the screen.

- If the screen is blank, make sure that:
 - The AC power adapter is connected to the computer and the power cord is plugged into a working electrical outlet.
 - The computer power is on. Press and hold the Power button for about three seconds for confirmation.
 - Press and hold the Power button for about ten seconds to force shut down the computer. Then press the Power button for about three seconds to restart.
- If these items are set correctly and the screen remains blank, have the computer serviced.

The screen goes blank while the computer is on.

- Your power management is enabled. Do one of the following to resume from sleep mode:
 - Press any key on the keyboard.
 - Press the Power button.

Sleep problems

The critical low-battery error message appears, and the computer immediately turns off.

- The battery power is getting low. Connect the AC power adapter to the computer.

The computer enters sleep mode immediately after Power-on.

- Make sure that:
 - The battery is charged.
 - The operating temperature is within the acceptable range. See "Chapter 2. Use and care Information" in the *Lenovo Safety and General Information Guide*.

Note: If the battery is charged and the temperature is within range, do the following:

- 1 Press the Power button for about three seconds to turn on the computer.
- 2 Press and hold the Power button for about ten seconds to force shut down.
- 3 Press the Power button for about three seconds again to restart. Then reset the computer with the **Reset this PC** recovery system.

If the problem persists, have the computer serviced.

Chapter 4. Troubleshooting

The computer does not return from sleep mode and the computer does not work.

- If the computer does not return from sleep mode, it might be because the battery is depleted.
- If your computer is in sleep mode, connect the AC power adapter to the computer. Then press the Power button.
- If your computer is powered-off, connect the AC power adapter to the computer. Then press the Power button to resume operation.

Note: If the system still does not return from sleep mode, your system has stopped responding, and you cannot turn off the computer; force shut down the computer (Unsaved data may be lost). To force shut down the computer, press and hold the Power button for about ten seconds or more.

Display panel problems

The screen is blank.

- Do the following:
 - If you are using the AC power adapter or the battery, press **F12** (located on the keyboard) to make the screen brighter.
 - Press the Power button to confirm if the computer is in sleep mode.
 - If the problem persists, follow the solution in the next problem "The screen is unreadable or distorted."

The screen is unreadable or distorted.

- Make sure that the screen resolution and color quality are correctly set.

Incorrect characters appear on the screen.

- Is the operating system or programs installed correctly? If they are installed and configured correctly, do the following:
 - 1 Press the Power button for about three seconds to turn on the computer.
 - 2 Press and hold the Power button for about ten seconds to force shut down.
 - 3 Press the Power button for about three seconds again to restart. Then reset the computer with the **Reset this PC** recovery system.

If the problem persists, have the computer serviced.

Sound problems

No sound can be heard from the speakers even when the volume is turned up.

- Make sure that:
 - The Mute function is off.
 - The combo audio jack is not being used.
 - Speakers are selected as the playback device.

Battery problems

Your computer shuts down before the battery status icon shows it is empty.
-or-
Your computer operates after the battery status icon shows it is empty.

- Recharge the battery.

A startup problem

The Microsoft® Windows operating system does not start.

- For details, see “Recovery system” on page 30.

Recovery System problems

Failure to restore system partition to factory default.

- The system partition (e.g. the partition size or the drive capacity of C) has been modified.

Other problems

Your computer does not respond.

- To turn off your computer, press and hold the Power button for about ten seconds or more.

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Microsoft and Windows are trademarks of Microsoft Corporation in the United States, other countries, or both.



Lenovo limited warranty

L505-0010-02 08/2011

This Lenovo Limited Warranty consists of the following parts:

Part 1 - General Terms

Part 2 - Country-specific Terms

Part 3 - Warranty Service Information

The terms of **Part 2** replace or modify terms of **Part 1** as specified for a particular country.

■ **Part 1 - General Terms**

This Lenovo Limited Warranty applies only to Lenovo hardware products you purchased for your own use and not for resale.

This Lenovo Limited Warranty is available in other languages at www.lenovo.com/warranty.

■ **What this Warranty Covers**

Lenovo warrants that each Lenovo hardware product that you purchase is free from defects in materials and workmanship under normal use during the warranty period. The warranty period for the product starts on the original date of purchase as shown on your sales receipt or invoice or as may be otherwise specified by Lenovo. The warranty period and type of warranty service that apply to your product are as specified in "**Part 3 - Warranty Service Information**" below. This warranty only applies to products in the country or region of purchase.

THIS WARRANTY IS YOUR EXCLUSIVE WARRANTY AND REPLACES ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. AS SOME STATES OR JURISDICTIONS DO NOT

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ALLOW THE EXCLUSION OF EXPRESS OR IMPLIED WARRANTIES, THE ABOVE EXCLUSION MAY NOT APPLY TO YOU. IN THAT EVENT, SUCH WARRANTIES APPLY ONLY TO THE EXTENT AND FOR SUCH DURATION AS REQUIRED BY LAW AND ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. AS SOME STATES OR JURISDICTIONS DO NOT ALLOW LIMITATIONS ON THE DURATION OF AN IMPLIED WARRANTY, THE ABOVE LIMITATION ON DURATION MAY NOT APPLY TO YOU.

■ How to Obtain Warranty Service

If the product does not function as warranted during the warranty period, you may obtain warranty service by contacting Lenovo or a Lenovo approved Service Provider. A list of approved Service Providers and their telephone numbers is available at: www.lenovo.com/support/phone.

Warranty service may not be available in all locations and may differ from location to location. Charges may apply outside a Service Provider's normal service area. Contact a local Service Provider for information specific to your location.

■ Customer Responsibilities for Warranty Service

Before warranty service is provided, you must take the following steps:

- follow the service request procedures specified by the Service Provider
- backup or secure all programs and data contained in the product
- provide the Service Provider with all system keys or passwords
- provide the Service Provider with sufficient, free, and safe access to your facilities to perform service
- remove all data, including confidential information, proprietary information and personal information, from the product or, if

Lenovo limited warranty

you are unable to remove any such information, modify the information to prevent its access by another party or so that it is not personal data under applicable law. The Service Provider shall not be responsible for the loss or disclosure of any data, including confidential information, proprietary information, or personal information, on a product returned or accessed for warranty service

- remove all features, parts, options, alterations, and attachments not covered by the warranty
- ensure that the product or part is free of any legal restrictions that prevent its replacement
- if you are not the owner of a product or part, obtain authorization from the owner for the Service Provider to provide warranty service

■ What Your Service Provider Will Do to Correct Problems

When you contact a Service Provider, you must follow the specified problem determination and resolution procedures.

The Service Provider will attempt to diagnose and resolve your problem by telephone, e-mail or remote assistance. The Service Provider may direct you to download and install designated software updates.

Some problems may be resolved with a replacement part that you install yourself called a "Customer Replaceable Unit" or "CRU." If so, the Service Provider will ship the CRU to you for you to install.

Lenovo limited warranty

If your problem cannot be resolved over the telephone; through the application of software updates or the installation of a CRU, the Service Provider will arrange for service under the type of warranty service designated for the product under "Part 3 - Warranty Service Information" below.

If the Service Provider determines that it is unable to repair your product, the Service Provider will replace it with one that is at least functionally equivalent.

If the Service Provider determines that it is unable to either repair or replace your product, your sole remedy under this Limited Warranty is to return the product to your place of purchase or to Lenovo for a refund of your purchase price.

■ Replacement Products and Parts

When warranty service involves the replacement of a product or part, the replaced product or part becomes Lenovo's property and the replacement product or part becomes your property. Only unaltered Lenovo products and parts are eligible for replacement. The replacement product or part provided by Lenovo may not be new, but it will be in good working order and at least functionally equivalent to the original product or part. The replacement product or part shall be warranted for the balance of the period remaining on the original product.

Lenovo limited warranty

■ Use of Personal Contact Information

If you obtain service under this warranty, you authorize Lenovo to store, use and process information about your warranty service and your contact information, including name, phone numbers, address, and e-mail address. Lenovo may use this information to perform service under this warranty. We may contact you to inquire about your satisfaction with our warranty service or to notify you about any product recalls or safety issues.

In accomplishing these purposes, you authorize Lenovo to transfer your information to any country where we do business and to provide it to entities acting on our behalf. We may also disclose it where required by law. Lenovo's privacy policy is available at www.lenovo.com/.

■ What this Warranty Does not Cover

This warranty does not cover the following:

- uninterrupted or error-free operation of a product
- loss of, or damage to, your data by a product
- any software programs, whether provided with the product or installed subsequently
- failure or damage resulting from misuse, abuse, accident, modification, unsuitable physical or operating environment, natural disasters, power surges, improper maintenance, or use not in accordance with product information materials
- damage caused by a non-authorized service provider
- failure of, or damage caused by, any third party products, including those that Lenovo may provide or integrate into the Lenovo product at your request
- any technical or other support, such as assistance with "how-to" questions and those regarding product set-up and installation
- products or parts with an altered identification label or from which the identification label has been removed

Lenovo limited warranty

■ Limitation of Liability

Lenovo is responsible for loss or damage to your product only while it is in the Service Provider's possession or in transit, if the Service Provider is responsible for the transportation.

Neither Lenovo nor the Service Provider is responsible for loss or disclosure of any data, including confidential information, proprietary information, or personal information, contained in a product.

UNDER NO CIRCUMSTANCES, AND NOTWITHSTANDING THE FAILURE OF ESSENTIAL PURPOSE OF ANY REMEDY SET FORTH HEREIN, SHALL LENOVO, ITS AFFILIATES, SUPPLIERS, RESELLERS, OR SERVICE PROVIDERS BE LIABLE FOR ANY OF THE FOLLOWING EVEN IF INFORMED OF THEIR POSSIBILITY AND REGARDLESS OF WHETHER THE CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE, STRICT LIABILITY OR OTHER THEORY OF LIABILITY:

1) THIRD PARTY CLAIMS AGAINST YOU FOR DAMAGES;
2) LOSS, DAMAGE OR DISCLOSURE OF YOUR DATA;
3) SPECIAL, INCIDENTAL, PUNITIVE, INDIRECT OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, BUSINESS REVENUE, GOODWILL OR ANTICIPATED SAVINGS. IN NO CASE SHALL THE TOTAL LIABILITY OF LENOVO, ITS AFFILIATES, SUPPLIERS, RESELLERS OR SERVICE PROVIDERS FOR DAMAGES FROM ANY CAUSE EXCEED THE AMOUNT OF ACTUAL DIRECT DAMAGES, NOT TO EXCEED THE AMOUNT PAID FOR THE PRODUCT.

THE FOREGOING LIMITATIONS DO NOT APPLY TO DAMAGES FOR BODILY INJURY (INCLUDING DEATH), DAMAGE TO REAL PROPERTY OR DAMAGE TO TANGIBLE PERSONAL PROPERTY FOR WHICH LENOVO IS LIABLE UNDER LAW.

Lenovo limited warranty

AS SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

■ Your Other Rights

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS ACCORDING TO THE APPLICABLE LAWS OF YOUR STATE OR JURISDICTION. YOU MAY ALSO HAVE OTHER RIGHTS UNDER A WRITTEN AGREEMENT WITH LENOVO. NOTHING IN THIS WARRANTY AFFECTS STATUTORY RIGHTS, INCLUDING RIGHTS OF CONSUMERS UNDER LAWS OR REGULATIONS GOVERNING THE SALE OF CONSUMER GOODS THAT CANNOT BE WAIVED OR LIMITED BY CONTRACT.

Lenovo limited warranty

■■ Part 2 - Country-specific Terms —

Australia

"Lenovo" means Lenovo (Australia & New Zealand) Pty Limited ABN 70 112 394 411. Address: Level 10, North Tower, 1-5 Railway Street, Chatswood, NSW, 2067. Telephone: +61 2 8003 8200. Email: lensyd_au@lenovo.com

The following replaces the same section in Part 1:

■ What this Warranty Covers:

Lenovo warrants that each hardware product that you purchase is free from defects in materials and workmanship under normal use and conditions during the warranty period. If the product fails due to a covered defect during the warranty period, Lenovo will provide you a remedy under this Limited Warranty. The warranty period for the product starts on the original date of purchase specified on your sales receipt or invoice unless Lenovo informs you otherwise in writing. The warranty period and type of warranty service that apply to your product are set forth below in **Part 3 - Warranty Service Information**.

THE BENEFITS GIVEN BY THIS WARRANTY ARE IN ADDITION TO YOUR RIGHTS AND REMEDIES AT LAW, INCLUDING THOSE UNDER THE AUSTRALIAN CONSUMER LAW.

Lenovo limited warranty

The following replaces the same section in Part 1:

■ Replacement Products and Parts:

When warranty service involves the replacement of a product or part, the replaced product or part becomes Lenovo's property and the replacement product or part becomes your property. Only unaltered Lenovo products and parts are eligible for replacement. The replacement product or part provided by Lenovo may not be new, but it will be in good working order and at least functionally equivalent to the original product or part. The replacement product or part shall be warranted for the balance of the period remaining on the original product. Products and parts presented for repair may be replaced by refurbished products or parts of the same type rather than being repaired. Refurbished parts may be used to repair the product; and repair of the product may result in loss of data, if the product is capable of retaining user-generated data.

The following is added to the same section in Part 1:

■ Use of Personal Contact Information:

Lenovo will not be able to perform our service under this warranty if you refuse to provide your information or do not wish us to transfer your information to our agent or contractor. You have the right to access your personal contact information and request correction of any errors in it pursuant to the Privacy Act 1988 by contacting Lenovo.

Lenovo limited warranty

The following replaces the same section in Part 1:

■ Limitation of Liability:

Lenovo is responsible for loss or damage to your product only while it is in the Service Provider's possession or in transit, if the Service Provider is responsible for the transportation. Neither Lenovo nor the Service Provider is responsible for loss or disclosure of any data, including confidential information, proprietary information, or personal information, contained in a product.

TO THE EXTENT PERMITTED BY LAW, UNDER NO CIRCUMSTANCES AND NOTWITHSTANDING THE FAILURE OF ESSENTIAL PURPOSE OF ANY REMEDY SET FORTH HEREIN, SHALL LENOVO, ITS AFFILIATES, SUPPLIERS, RESELLERS, OR SERVICE PROVIDERS BE LIABLE FOR ANY OF THE FOLLOWING EVEN IF INFORMED OF THEIR POSSIBILITY AND REGARDLESS OF WHETHER THE CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE, STRICT LIABILITY OR OTHER THEORY OF LIABILITY: 1) THIRD PARTY CLAIMS AGAINST YOU FOR DAMAGES; 2) LOSS, DAMAGE OR DISCLOSURE OF YOUR DATA; 3) SPECIAL, INCIDENTAL, PUNITIVE, INDIRECT OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, BUSINESS REVENUE, GOODWILL OR ANTICIPATED SAVINGS. IN NO CASE SHALL THE TOTAL LIABILITY OF LENOVO, ITS AFFILIATES, SUPPLIERS, RESELLERS OR SERVICE PROVIDERS FOR DAMAGES FROM ANY CAUSE EXCEED THE AMOUNT OF ACTUAL DIRECT DAMAGES, NOT TO EXCEED THE AMOUNT PAID FOR THE PRODUCT.

THE FOREGOING LIMITATIONS DO NOT APPLY TO DAMAGES FOR BODILY INJURY (INCLUDING DEATH), DAMAGE TO REAL PROPERTY OR DAMAGE TO TANGIBLE PERSONAL PROPERTY FOR WHICH LENOVO IS LIABLE UNDER LAW.

Lenovo limited warranty

The following replaces the same section in Part 1:

■ Your Other Rights:

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU ALSO HAVE OTHER RIGHTS AT LAW, INCLUDING UNDER THE AUSTRALIAN CONSUMER LAW. NOTHING IN THIS WARRANTY AFFECTS STATUTORY RIGHTS OR RIGHTS AT LAW, INCLUDING RIGHTS THAT CANNOT BE WAIVED OR LIMITED BY CONTRACT.

For example, our products come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the products repaired or replaced if the products fail to be of acceptable quality and the failure does not amount to a major failure.

New Zealand

The following is added to the same section in Part 1:

■ Use of Personal Information:

Lenovo will not be able to perform our service under this warranty if you refuse to provide your information or do not wish us to transfer your information to our agent or contractor. You have the right to access your personal information and request correction of any errors in it pursuant to the Privacy Act 1993 by contacting Lenovo (Australia & New Zealand) Pty Limited ABN 70 112 394 411. Address: Level 10, North Tower, 1-5 Railway Street, Chatswood, NSW, 2067. Telephone: 61 2 8003 8200. Email: lensyd_au@lenovo.com

Lenovo limited warranty

Bangladesh, Cambodia, India, Indonesia, Nepal, Philippines, Vietnam and Sri Lanka

The following is added to Part 1:

■ Dispute Resolution

Disputes arising out of or in connection with this warranty shall be finally settled by arbitration held in Singapore. This warranty shall be governed, construed and enforced in accordance with the laws of Singapore, without regard to conflict of laws. If you acquired the product in **India**, disputes arising out of or in connection with this warranty shall be finally settled by arbitration held in Bangalore, India. Arbitration in Singapore shall be held in accordance with the Arbitration Rules of Singapore International Arbitration Center ("SIAC Rules") then in effect. Arbitration in India shall be held in accordance with the laws of India then in effect. The arbitration award shall be final and binding on the parties without appeal. Any award shall be in writing and set forth the findings of fact and the conclusions of law. All arbitration proceedings, including all documents presented in such proceedings shall be conducted in the English language. The English language version of this warranty prevails over any other language version in such proceedings.

Lenovo limited warranty

■ European Economic Area (EEA)

The following is added to Part 1:

Customers in the EEA may contact Lenovo at the following address: EMEA Service Organisation, Lenovo (International) B.V., Floor 2, Einsteinova 21, 851 01, Bratislava, Slovakia. Service under this warranty for Lenovo hardware products purchased in EEA countries may be obtained in any EEA country in which the product has been announced and made available by Lenovo.

Russia

The following is added to Part 1:

Product Service Life

The product service life is four (4) years from the original date of purchase.

Lenovo limited warranty

■ Part 3 - Warranty Service Information

Product or machine type	Country or region of purchase	Warranty period	Types of warranty service
Tablet: 80W1	Taiwan, Korea		3, 4
	China (Hong Kong S.A.R.), China (Macau S.A.R.), India, Indonesia, Malaysia, Thailand, Philippines, Vietnam, Sri Lanka, Singapore		1, 4
	Argentina, Peru, Venezuela, Bolivia, Uruguay, Chile, Paraguay, Ecuador	parts and labor - 1 year battery pack - 1 year	
	Austria, Iceland, Israel, Ireland, Italy, the United Kingdom, Canada, United States of America		1, 3
	Japan, Australia, New Zealand		

Lenovo limited warranty

(continued)

Product or machine type	Country or region of purchase	Warranty period	Types of warranty service
Tablet: 80W1	Russia, Ukraine, the Republic of Kazakhstan, Belarus, Azerbaijan, Georgia, Armenia, Uzbekistan, Tajikistan, Kyrgyzstan, Mongolia Moldova Columbia South Africa, Kenya, Nigeria, Uganda, Morocco, Tunisia, Algeria, Cote d'Ivoire, Angola, UAE, Bahrain, Jordan, Kuwait, Lebanon, Qatar, Botswana, Oman, Egypt, Pakistan, Cameroon, Democratic Republic of Congo, Djibouti, Ethiopia, Ghana, Iraq, Malta, Mauritania, Mauritius, Mozambique, Namibia, Rwanda, Senegal, Seychelles, Tanzania, Yemen, Zambia, Zimbabwe	parts and labor - 1 year battery pack - 1 year	4

Lenovo limited warranty

(continued)

Product or machine type	Country or region of purchase	Warranty period	Types of warranty service
Tablet: 80W1	Germany, Brazil	parts and labor - 1 year battery pack - 1 year	1, 3
	Mexico		3
	Denmark, Estonia, Finland, Norway, Portugal, Spain, Sweden, Belgium, Luxembourg, Netherlands, Lithuania, Latvia, Switzerland, France	parts and labor - 2 years battery pack - 1 year	1, 3
	Czech Republic, Slovakia, Hungary, Romania, Bulgaria		
	Bosnia-Herzegovina, Croatia, Cyprus, Greece, Macedonia, Slovenia, Serbia, Montenegro	1, 4	1, 4
	Poland		
	Saudi Arabia, Albania		

Lenovo limited warranty

(continued)

Product or machine type	Country or region of purchase	Warranty period	Types of warranty service
Tablet: 80W1	Turkey	parts and labor - 2 years battery pack - 2 years	1, 4

If required, the Service Provider will provide repair or exchange service depending on the type of warranty service specified for your product and the available service. Scheduling of service will depend upon the time of your call, parts availability, and other factors.

■ Types of Warranty Service

① Customer Replaceable Unit ("CRU") Service

Under CRU Service, the Service Provider will ship CRUs to you at its cost for installation by you. CRU information and replacement instructions are shipped with your product and are available from Lenovo at any time upon request. CRUs that are easily installed by you are called "Self-service CRUs". "Optional-service CRUs" are CRUs that may require some technical skill and tools. Installation of Self-service CRUs is your responsibility. You may request that a Service Provider install Optional-service CRUs under one of the other types of warranty service designated for your product.

An optional service offering may be available for purchase from a Service Provider or Lenovo under which Self-service CRUs would be installed for you. You may find a list of CRUs and their designation in the publication that was shipped with your product or at www.lenovo.com/CRUs. The requirement to return a defective CRU, if any, will be specified in the instructions shipped

Lenovo limited warranty

with a replacement CRU. When return is required:

- 1) return instructions, a prepaid return shipping label, and a container will be included with the replacement CRU; and
- 2) you may be charged for the replacement CRU if the Service Provider does not receive the defective CRU from you within thirty (30) days of your receipt of the replacement CRU.

② On-site Service

Under On-Site Service, a Service Provider will either repair or exchange the product at your location. You must provide a suitable working area to allow disassembly and reassembly of the product. Some repairs may need to be completed at a service center. If so, the Service Provider will send the product to the service center at its expense.

③ Courier or Depot Service

Under Courier or Depot Service, your product will be repaired or exchanged at a designated service center, with shipping at the expense of the Service Provider. You are responsible for disconnecting the product and packing it in a shipping container provided to you to return your product to a designated service center. A courier will pick up your product and deliver it to the designated service center. The service center will return the product to you at its expense.

④ Customer Carry-In Service

Under Customer Carry-In Service, your product will be repaired or exchanged after you deliver it to a designated service center at your risk and expense. After the product has been repaired or exchanged, it will be made available to you for collection. If you fail to collect the product, the Service Provider may dispose of the product as it sees fit, with no liability to you.

Lenovo limited warranty

⑤ Mail-In Service

Under Mail-In Service, your product will be repaired or exchanged at a designated service center after you deliver it at your risk and expense. After the product has been repaired or exchanged, it will be returned to you at Lenovo's risk and expense, unless the Service Provider specifies otherwise.

⑥ Customer Two-Way Mail-In Service

Under Customer Two-Way Mail-In Service, your product will be repaired or exchanged after you deliver it to a designated service center at your risk and expense. After the product has been repaired or exchanged, it will be made available to you for return shipping at your risk and expense. If you fail to arrange return shipment, the Service Provider may dispose of the product as it sees fit, with no liability to you.

⑦ Product Exchange Service

Under Product Exchange Service, Lenovo will ship a replacement product to your location. You are responsible for its installation and verification of its operation. The replacement product becomes your property in exchange for the failed product, which becomes the property of Lenovo. You must pack the failed product in the shipping carton in which you received the replacement product and return it to Lenovo. Transportation charges, both ways, shall be at Lenovo's expense. If you fail to use the carton in which the replacement product was received, you may be responsible for any damage to the failed product occurring during shipment. You may be charged for the replacement product if Lenovo does not receive the failed product within thirty (30) days of your receipt of the replacement product.

Product Specific Notices

The notices in this appendix are specific to the product with the given MT number. Notices that are common for most Lenovo products are included in "Appendix A. Notices" of the *Lenovo Safety and General Information Guide*.

■ ■ ■ Energy star information



ENERGY STAR® is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy aimed at saving money and protecting the environment through energy efficient products and practices.

Lenovo® is proud to offer our customers products with an ENERGY STAR compliant designation. Lenovo computers of the following machine types, if the ENERGY STAR mark is affixed, have been designed and tested to conform to the ENERGY STAR program requirements for computers.

- 80W1

By using ENERGY STAR compliant products and taking advantage of the power-management features of your computer, you reduce the consumption of electricity. Reduced electrical consumption contributes to potential financial savings, a cleaner environment, and the reduction of greenhouse gas emissions. For more information about ENERGY STAR, visit <http://www.energystar.gov>.

Product Specific Notices

Lenovo encourages you to make efficient use of energy an integral part of your day-to-day operations. To help in this endeavor, Lenovo has preset the following power-management features to take effect when your computer has been inactive for a specified duration:

Table 1. ENERGY STAR power-management features

Windows® 10
Power plan: balanced (plugged in) • Turn off the display: After 10 minutes • Put the computer to sleep: After 30 minutes • Advanced power settings: - Turn off hard disks: After 20 minutes

To awaken your computer from a Sleep mode, press any key on your keyboard. For more information about these settings, refer to your Windows Get Started information system.

Product Specific Notices

■■ Electronic emissions notices —

The following information refers to Lenovo MIIX 710-12IKB, machine type 80W1.

■ Federal Communications Commission (FCC) Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee the 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 an authorized dealer or service representative for help. Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. Proper cables and connectors are available from Lenovo authorized dealers.

Lenovo is not responsible for any radio or television interference caused by using other than recommended cables or connectors or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

Product Specific Notices

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.

Responsible party:
Lenovo (United States) Incorporated
1009 Think Place - Building One
Morrisville, NC 27560
U.S.A.
Telephone: (919) 294-5900



- **Industry Canada Class B Emission Compliance Statement**
CAN ICES-3(B)/NMB-3(B)
- **German Class B Compliance Statement**
Deutschsprachiger EU Hinweis:
Hinweis für Geräte der Klasse B EU-Richtlinie zur Elektromagnetischen Verträglichkeit
Dieses Produkt entspricht den Schutzanforderungen der EU-Richtlinie 2004/108/EG (früher 89/336/EWG) zur Angleichung der Rechtsvorschriften über die elektromagnetische Verträglichkeit in den EU-Mitgliedsstaaten und hält die Grenzwerte der EN 55022 Klasse B ein.

Product Specific Notices

Um dieses sicherzustellen, sind die Geräte wie in den Handbüchern beschrieben zu installieren und zu betreiben. Des Weiteren dürfen auch nur von der Lenovo empfohlene Kabel angeschlossen werden. Lenovo übernimmt keine Verantwortung für die Einhaltung der Schutzanforderungen, wenn das Produkt ohne Zustimmung der Lenovo verändert bzw. wenn Erweiterungskomponenten von Fremdherstellern ohne Empfehlung der Lenovo gesteckt/eingebaut werden.

Deutschland:

Einhaltung des Gesetzes über die elektromagnetische Verträglichkeit von Betriebsmittein

Dieses Produkt entspricht dem "Gesetz über die elektromagnetische Verträglichkeit von Betriebsmitteln" EMVG (früher "Gesetz über die elektromagnetische Verträglichkeit von Geräten"). Dies ist die Umsetzung der EU-Richtlinie 2004/108/EG (früher 89/336/EWG) in der Bundesrepublik Deutschland.

Zulassungsbescheinigung laut dem Deutschen Gesetz über die elektromagnetische Verträglichkeit von Betriebsmitteln, EMVG vom 20. Juli 2007 (früher Gesetz über die elektromagnetische Verträglichkeit von Geräten), bzw. der EMV EG Richtlinie 2004/108/EC (früher 89/336/EWG), für Geräte der Klasse B.

Dieses Gerät ist berechtigt, in Übereinstimmung mit dem Deutschen EMVG das EG-Konformitätszeichen - CE - zu führen. Verantwortlich für die Konformitätserklärung nach Paragraf 5 des EMVG ist die Lenovo (Deutschland) GmbH, Gropiusplatz 10, D-70563 Stuttgart.

Informationen in Hinsicht EMVG Paragraf 4 Abs. (1) 4:
Das Gerät erfüllt die Schutzanforderungen nach EN 55024 und EN 55022 Klasse B.

Product Specific Notices

■ European Union - Compliance to the Electromagnetic Compatibility (EMC) Directive or Radio Equipment Directive

Models without a radio device: This product is in conformity with the protection requirements of EU Council Directive 2004/108/EC (until 19 April, 2016) and Council Directive 2014/30/EU (from 20 April, 2016) on the approximation of the laws of the Member States relating to electromagnetic compatibility.

Models with a radio device: This product is in conformity with all the requirements and essential norms that apply to EU Council Directive (R&TTE Directive) 1999/5/EC. European Council Directive 1999/5/EC remains in force during the transition period of European Council Directive 2014/53/EU until 12 June, 2017 on the approximation of the laws of the Member States relating to radio equipment.

Lenovo cannot accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product, including the installation of option cards from other manufacturers. This product has been tested and found to comply with the limits for Class B equipment according to European Standards harmonized in the Directives in compliance. The limits for Class B equipment were derived for typical residential environments to provide reasonable protection against interference with licensed communication devices.

Lenovo, Einsteinova 21, 851 01 Bratislava, Slovakia



Product Specific Notices

**■ Export Control Classification
Notice (ECCN)**

This product is subject to the United States Export Administration Regulations (EAR) and has an Export Classification Control Number (ECCN) of 5A992.c. It can be re-exported except to any of the embargoed countries in the EAR E1 country list.

Specifications

Model Name: **Lenovo MIIX 710-12IKB**

Machine Type: **80W1**

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.

Tablet

Form Factor

Dimensions	Appr. 292 mm × 210 mm × 9.0 mm
Weight	Appr. 785 g
LCD size	12.0 inch

Processor

See the system properties of your computer.

You can do this as follows:

Click **Control Panel**, then click **Hardware and Sound**, click **Device Manager** under **Devices and Printers** and double click **Processors**.

Memory

Type	LPDDR3-1866MHz
Maximum supported capacity	16 GB

Storage

Capacity	SSD 128 GB/256 GB/512 GB
Interface	SATA 3

Display

Touch screen	Multi-touch screen
Display resolution	3:2 (2,160 × 1,440 pixels)

Specifications

I/O Ports

Audio	Combo audio jack × 1
Video/Audio	Micro HDMI port × 1
Card reader	Micro SD card slot × 1 Micro SIM card slot × 1 (on select models)
USB	USB 3.0 port × 1, USB 2.0 port × 1

Battery pack

Type	Li-ion battery pack
Capacity	4 Cells, 40 Wh

Note: The capacity given here is the typical or average capacity as measured in a specific test environment. Capacities measured in other environments may differ but are no lower than the rated capacity (see product label).

AC power adapter

Input	100-240 V, 50-60 Hz AC
Output voltage	20 V, 5 V DC
Power	40 W

Miscellaneous

Camera	5.0 MP (front camera) 5.0 MP (rear camera)
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Specifications

Keyboard folio

Form Factor

Dimensions	Appr. 293 mm × 224 mm × 5 mm
Weight	Appr. 330 g

I/O Ports

Pogo pin with guide pin	Pogo pin with guide pin × 1
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Trademarks

The following terms are trademarks or registered trademarks of Lenovo in the United States, other countries, or both.

Lenovo

Other company, products, or service names may be trademarks or service marks of others.

MIIX 710-12IKB

Regulatory Notice



■ ■ ■ **Lenovo regulatory notice for wireless adapters**

This manual contains regulatory information for the following Lenovo products:

- Lenovo MIIX 710-12IKB

■ **Read first — regulatory information**

Please read this document before you use your Lenovo computer. Your Lenovo computer complies with the radio frequency and safety standards of any country or region in which it has been approved for wireless use. You must install and use your computer in strict accordance with the instructions as described hereafter.

Veuillez lire ce document avant d'utiliser votre ordinateur Lenovo. Votre ordinateur Lenovo est conforme aux normes de sécurité et de radiofréquence du pays ou de la région où son utilisation sans fil est approuvée. Vous devez installer et utiliser votre ordinateur en respectant scrupuleusement les instructions décrites ci-après.

■ **USA — Federal Communications Commission (FCC)**

I. Factory preinstalled Wireless LAN + Bluetooth Combo module

- FCC ID: PD98260NGU (Model: 8260NGW)
- FCC ID: PPD-QCNFA344AH (Model: QCNFA344A)

Wireless LAN + Bluetooth Combo Mini PCI Express Cards marketed in the USA and Canada do not support nor function in the extended channels (12ch, 13ch).

i) The FCC RF Exposure compliance:

The radiated output power of the Wireless LAN + Bluetooth Combo Mini PCI Express Card authorized to use for the your Lenovo computer is far below the FCC radio frequency exposure limits. Nevertheless, it shall be used in such a manner that the potential for human contact during normal operation is minimized as follows:

Caution: The total radiated energy from the antennas connected to the installed wireless LAN module, conforms to the FCC limit of the SAR (Specific Absorption Rate) requirement, regarding 47 CFR Part 2 section 1093, when the computer was tested in either conventional notebook or tablet computer orientations.

ii) FCC ID of wireless module:

On the bottom side of your Lenovo computer, you will find an indicator label of the format "Contains Transmitter Module: FCC ID XXXX", where XXXX represents the FCC ID that corresponds to your preinstalled Wireless LAN + Bluetooth Combo module.

iii) Radio Frequency interference requirement:

Each device has been tested and found to comply with the limits for a Class B digital device pursuant to FCC Part 15 Subpart B. Refer to "Electronic emission notices" on page 5.

When you use a Wireless LAN + Bluetooth Combo module in the 802.11 a/n transmission mode:

- High power radars are allocated as primary users of the 5250 to 5350 MHz and 5650 to 5850 MHz bands. These radar stations can cause interference with and/or damage this device.

II. Simultaneous use of RF transmitters

Make sure of the following conditions on use of wireless features:

1. When you use any other RF option device, all wireless features in your Lenovo computer are required to be turned off.
2. Users must follow the RF Safety instructions on wireless option devices that are included in the RF option device's user's manual.

■ Canada — Industry Canada (IC)

IC Certification number

I) Factory preinstalled Wireless LAN + Bluetooth Combo modules:

- IC: 1000M-8260NG (Model: 8260NGW)
- IC: 4104A-QCNFA344A (Model: QCNFA344A)

Wireless LAN + Bluetooth Combo Mini PCI Express Cards marketed in the USA and Canada do not support nor function in the extended channels (12ch, 13ch).

There is no certification number of Industry Canada for Mini PCI Express Card shown on the enclosure of your Lenovo computer. Instead you will find an indicator label pointing to the location of the IC Certification number on the bottom side of your Lenovo computer. This label will be of the format "Contains Transmitter Module: Canada IC: XXXX", where XXXX represents the IC ID that corresponds to your preinstalled WLAN module.

II) Low power license-exempt radiocommunication devices (RSS-247):

Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

When you use a Wireless LAN and Bluetooth Combo module adapter in the 802.11 a/n transmission mode:

- The devices for the band 5150-5350 MHz are only for indoor usage to reduce potential for harmful interference to co-channel Mobile Satellite systems.
- High power radars are allocated as primary users (meaning they have priority) of 5250-5350 MHz and 5650-5850 MHz bands and these radars could cause interference and/or damage to LE-LAN (Licence-Exempt Local Area Network) devices.

III) Exposure of humans to RF fields (RSS-102):

Lenovo computers employ low gain integral antennas that do not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's Web site at www.hc-sc.gc.ca/rpb

The radiated energy from the antennas connected to the wireless adapters conforms to the IC limit of the RF exposure requirement regarding IC RSS-102, Issue 5 clause 4.

Numéro d'homologation IC

I) Modules de réseaux local sans fil pré-installé à l'usine:

- IC: 1000M-8260NG (Model: 8260NGW)
- IC: 4104A-QCNFA344A (Model: QCNFA344A)

Les cartes de réseau local sans fil Express mini-PCI commercialisées aux Etats-Unis et au Canada ne prennent pas en charge les canaux étendus (12ch, 13ch) et ne fonctionnent donc pas sur de tels canaux.

Le boîtier de votre ordinateur Lenovo ne comporte pas de numéro d'homologation IC (Industry Canada) pour la carte mini-PCI Express ; mais sous votre Lenovo, vous trouverez une étiquette indicatrice pointant vers l'emplacement du numéro d'homologation IC. L'étiquette se présente sous la forme "Contains Transmitter Module: Canada IC: XXXX" où XXXX représente l'ID IC qui correspond au module WLAN préinstallé.

II) Remarque relative aux appareils de communication radio de faible puissance sans licence (CNR-247):

Le fonctionnement de ce type d'appareil est soumis aux deux conditions suivantes:

1. Cet appareil ne doit pas perturber les communications radio, et
2. cet appareil doit supporter toute perturbation, y compris les perturbations qui pourraient provoquer son dysfonctionnement.

Lorsque vous utilisez un module adaptateur LAN sans fil et Bluetooth Combo dans le 802,11 un mode de transmission / n :

- Les dispositifs pour la bande 5150-5350 MHz ne sont que pour une utilisation en intérieur pour réduire potentiel d'interférences nuisibles à la co-canal systèmes satellite mobile .
- Les radars à haute puissance sont désignés comme utilisateurs principaux (ce qui signifie qu'ils ont la priorité) des bandes 5250- 5350 MHz et 5650-5850 MHz et ces radars pourraient provoquer interférences et / ou des dommages à LE-LAN (exempté de licence Local Area Network) appareils.

III) Exposition des êtres humains aux champs radioélectriques (RF) (CNR-102):

L'ordinateur Lenovo utilise des antennes intégrales à faible gain qui n'émettent pas un champ électromagnétique supérieur aux normes imposées par le Ministère de la santé canadien pour la population. Consultez le Safety Code 6 sur le site Web du Ministère de la santé canadien à l'adresse "www.hc-sc.gc.ca/rpb".

L'énergie rayonnée par les antennes connectées aux adaptateurs sans fil est conforme à la IC limite de l'exigence de l'exposition aux RF IC concernant CNR- 102, Issue 5, Section 4.

■ Electronic emission notices

Federal Communications Commission (FCC) Statement

- Models: 8260NGW and QCNFA344A

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one 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 an authorized dealer or service representative for help.

Lenovo is not responsible for any radio or television interference caused by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

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.

Responsible Party:

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