

Lenovo 100w Gen 5 / Lenovo 300w 2-in-1 Gen 5 / Lenovo 500w 2-in-1 Gen 5 User Guide



Lenovo

Read this first

Before using this documentation and the product it supports, ensure that you read and understand the following:

- *Safety and Warranty Guide*
- *Setup Guide*
- [Generic Safety and Compliance Notices](#)

First Edition (March 2025)

© Copyright Lenovo 2025.

LIMITED AND RESTRICTED RIGHTS NOTICE: If data or software is delivered pursuant to a General Services Administration "GSA" contract, use, reproduction, or disclosure is subject to restrictions set forth in Contract No. GS-35F-05925.

Contents

Discover your Lenovo notebook.iii

Chapter 1. Meet your computer.1

Front view	1
Lenovo 100w Gen 5	1
Lenovo 300w 2-in-1 Gen 5.	2
Lenovo 500w 2-in-1 Gen 5.	3
Side view	5
Bottom view	6
Features and specifications	7
USB specifications.	7

Chapter 2. Get started with your computer.9

Set up your computer	9
Turn on the computer.	9
Complete the operating system setup	9
Access networks	10
Connect to Wi-Fi networks.	10
Turn on Airplane mode	10
Connect to a cellular network (for selected models of Lenovo 300w 2-in-1 Gen 5 only)	10
Interact with your computer	11
Use the keyboard shortcuts	11
Use the touch screen (for Lenovo 300w 2-in-1 Gen 5 and Lenovo 500w 2-in-1 Gen 5 only)	13
Connect to an external display	15
Get to know convertible multi-modes (for selected models of Lenovo 300w 2-in-1 Gen 5 and Lenovo 500w 2-in-1 Gen 5 only)	16
Use Lenovo Integrated Pen (for selected models of Lenovo 300w 2-in-1 Gen 5 and Lenovo 500w 2-in-1 Gen 5)	18

Chapter 3. Explore your computer19

Lock the computer	19
Lenovo Commercial Vantage	19
Manage power	20
Check the battery status	20
Charge the battery with ac power	20
Maximize the life of the battery	20
Change the power settings	21
Connect to a Bluetooth device	21
Conventional pair	21
Swift pair	21

Chapter 4. Configure advanced settings.23

UEFI BIOS	23
Enter the UEFI BIOS menu.	23
Navigate the UEFI BIOS menu	23
Customize BIOS Defaults	23
UEFI BIOS passwords	24
Password types	24
Set a supervisor password.	25
Change or remove the supervisor password	25
Set a user password	25
Change or remove the user password	25
Enable the power on password	26
Set a hard disk password	26
Change or remove the hard disk password	26

Chapter 5. CRU replacement29

CRU list	29
Before you replace any CRU	30
Disable Fast Startup	30
Disable the built-in battery	30
Replace a CRU	30
Pen dummy (for selected models of Lenovo 300w 2-in-1 Gen 5 and Lenovo 500w 2-in-1 Gen 5).	30
Base cover assembly	31
Built-in battery	32
Wireless WAN module (for selected models of Lenovo 300w 2-in-1 Gen 5 only)	34
M.2 solid-state drive (for selected models)	35
Daughter board cable.	36
Keyboard	37

Chapter 6. Help and support43

Windows label	43
Call Lenovo	43
Before you contact Lenovo	43
Lenovo Customer Support Center	44

Appendix A. Compliance information.47

Appendix B. Accessibility features51

Appendix C. Notice for USB connector name update53

Appendix D. Notices and trademarks.55

Discover your Lenovo notebook

Thank you for choosing a Lenovo® notebook! We are dedicated to delivering the best solution to you.

Before starting your tour, please read the following information:

- Illustrations in this documentation might look different from your product.
- Depending on the model, some optional accessories, features, software programs, and user interface instructions might not be applicable to your computer.
- Documentation content is subject to change without notice. To get the latest documentation, go to <https://pcsupport.lenovo.com>.

Chapter 1. Meet your computer

This chapter introduces the appearance, features and specifications of your computer.

Front view

Have a quick glance at the front view of your computer.

Lenovo 100w Gen 5



Item	Description	Item	Description
	Camera		Webcam privacy shutter
	Microphone		Trackpad



Webcam privacy shutter

Slide the webcam privacy shutter to cover or uncover the camera lens. It is designed to protect your privacy.

Lenovo 300w 2-in-1 Gen 5

Have a quick glance at the front view of your computer.



Item	Description	Item	Description
	Camera		Webcam privacy shutter
	Microphone		Touch screen
	Trackpad		

* for selected models



Webcam privacy shutter

Slide the webcam privacy shutter to cover or uncover the camera lens. It is designed to protect your privacy.

Related topics

- “Use the touch screen (for Lenovo 300w 2-in-1 Gen 5 and Lenovo 500w 2-in-1 Gen 5 only)” on page 13

Lenovo 500w 2-in-1 Gen 5



Item	Description	Item	Description
	Microphone		Camera
	Webcam privacy shutter		Touch screen
	Trackpad		

* for selected models



Webcam privacy shutter

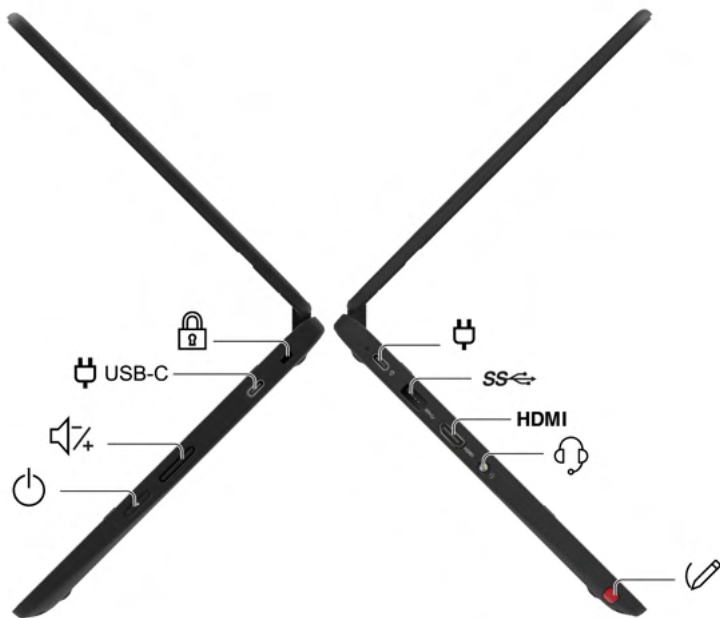
Slide the webcam privacy shutter to cover or uncover the camera lens. It is designed to protect your privacy.

Related topics

- “Use the touch screen (for Lenovo 300w 2-in-1 Gen 5 and Lenovo 500w 2-in-1 Gen 5 only)” on page 13

Side view

Have a quick glance at ports on both sides of your computer.



Item	Description	Item	Description
USB-C	USB-C® power connector (USB 10Gbps)	SS	USB-A connector (USB 5Gbps)
HDMI	HDMI™ connector	Audio	Audio connector
Pen	Lenovo Integrated Pen (for selected models of Lenovo 300w 2-in-1 Gen 5 and Lenovo 500w 2-in-1 Gen 5)	Power	Power button
Volume	Volume button (for selected models of Lenovo 300w 2-in-1 Gen 5 and Lenovo 500w 2-in-1 Gen 5)	USB-C	USB-C power connector (USB 5Gbps)
Lock	Security-lock slot		

Note: For more information about the USB connector name update, see Appendix C “Notice for USB connector name update” on page 53.

Related topics

- “USB specifications” on page 7
- “Connect to an external display” on page 15
- “Use Lenovo Integrated Pen (for selected models of Lenovo 300w 2-in-1 Gen 5 and Lenovo 500w 2-in-1 Gen 5)” on page 18
- “Lock the computer” on page 19

- “Charge the battery with ac power” on page 20

Bottom view

Have a quick glance at the bottom part of your computer.



Item	Description	Item	Description
	Keyboard drainage hole		Speakers



Keyboard drainage hole

Drain out liquid from your computer if you accidentally spill liquid on the keyboard.

CAUTION:

When the computer is operating, it should be placed on a hard and flat surface with its bottom area not in contact with user's bare skin. Under normal operating conditions, the temperature of the bottom surface will remain within an acceptable range as defined in IEC 62368-1, but such temperatures can still be high enough to cause discomfort or harm to the user if directly touched for over one minute at a time. As such, it is recommended that users avoid prolonged direct contact with the bottom of the computer.

Note: Some Lenovo computers include a display that can be rotated 360 degrees. When those products are used as a tablet computer, the temperatures of all the accessible parts are within an acceptable range as defined in IEC 62368-1.

Features and specifications

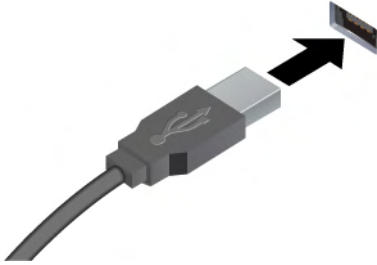
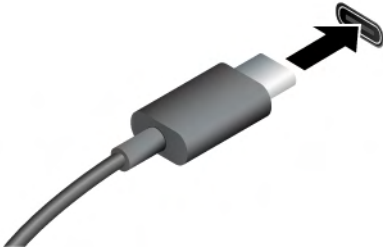
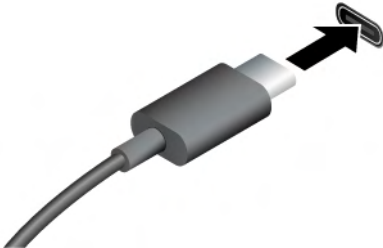
Get to know more hardware and software details of your computer.

Specifications	Description
Memory	Low Power Double Data Rate 5X (LPDDR5X), soldered on board, 4 GB or 8 GB
Storage device	• Universal Flash Storage (UFS)*, 128 GB • 2242 M.2 solid-state drive*, 128 GB or 256 GB
Audio	Dolby Audio™
Display	• Display technology: – Lenovo 100w Gen 5: In-Plane Switching (IPS) – Lenovo 300w 2-in-1 Gen 5: IPS, anti-fingerprint treatment – Lenovo 500w 2-in-1 Gen 5: Widescreen Ultra eXtended Graphics Array (WUXGA), anti-fingerprint treatment • Display ratio: – Lenovo 100w Gen 5 / Lenovo 300w 2-in-1 Gen 5: 16:9 – Lenovo 500w 2-in-1 Gen 5: 16:10 • Display resolution: – Lenovo 100w Gen 5 / Lenovo 300w 2-in-1 Gen 5: 1366 x 768 pixels – Lenovo 500w 2-in-1 Gen 5: 1920 x 1200 pixels • Multi-touch technology (for Lenovo 300w 2-in-1 Gen 5 and Lenovo 500w 2-in-1 Gen 5 only)
Security features	• Trusted Platform Module (TPM) (for selected models)
Wireless features	• Bluetooth • GPS (on wireless WAN model of Lenovo 300w 2-in-1 Gen 5)* • Wireless LAN • Wireless WAN (4G) (for selected models of Lenovo 300w 2-in-1 Gen 5 only)* Note: The 4G cellular service is provided by authorized mobile service carriers in some countries or regions. You must have a cellular plan from a service carrier to connect to the cellular network. The cellular data plan might vary by location.

USB specifications

Get to know more USB specifications.

Note: Depending on the model, some USB connectors might not be available on your computer.

Connector name	Description
 • USB-A connector (USB 5Gbps)	Connect USB-compatible devices, such as a USB keyboard, USB mouse, USB storage device, or USB printer.
 • USB-C power connector (USB 10Gbps)	• Charge USB-C compatible devices with the output voltage and current of 5 V and 3 A. • Connect to an external display: – USB-C to VGA: up to 1920 x 1200 pixels, 60 Hz – USB-C to DP: up to 4096 x 2304 pixels, 60 Hz • Connect to USB-C accessories to help expand your computer functionality. To purchase USB-C accessories, go to https://www.lenovo.com/accessories.
 • USB-C power connector (USB 5Gbps)	• Charge USB-C compatible devices with the output voltage and current of 5 V and 1.5 A. • Connect to USB-C accessories to help expand your computer functionality. To purchase USB-C accessories, go to https://www.lenovo.com/accessories.

Chapter 2. Get started with your computer

This chapter introduces the instructions of setting up your computer, various ways to connect to networks, and to interact with your computer.

Set up your computer

This section helps you to set up your computer and get it ready for use.

Turn on the computer

Follow the instructions to turn on your computer.

- Step 1. Connect the power cord to the ac power adapter.
- Step 2. Connect the power adapter to your computer.
- Step 3. Plug the power cord into the ac power.
- Step 4. Press the power button to turn on your computer.



Notes:

- The appearance varies depending on the computer model.
- It is recommended to fully charge the computer when using it for the first time. Click the battery status icon at the bottom right of your desktop to check the battery status.

Related topics

- “Check the battery status” on page 20
- “Charge the computer with ac power” on page 20

Complete the operating system setup

Before exploring your computer, you need to complete the operating system setup. The setup includes but is not limited to:

- Select the country or region.
- Connect to an available network.
- Accept the license agreement.
- Create a Microsoft account or log in with your Microsoft account.
- Set up your password, fingerprint, or facial recognition as preferred.
- Customize your experience.

Notes:

- Depending on the model, some settings might not be available on your computer.
- Do not turn off your computer and ensure it is connected to the ac power during the whole process.

Follow the instructions to set up the operating system.

Step 1. Connect the computer to the ac power and turn it on.

Step 2. Follow the on-screen instructions to complete the operating system setup.

Access networks

This section helps you connect to a wireless or wired network.

Connect to Wi-Fi networks

Click the network icon  on the bottom right of your display to connect to an available network. Provide required information, if needed.

Note: The wireless LAN module on your computer might support different standards. For some countries or regions, use of 802.11ax might be disabled according to local regulations.

Turn on Airplane mode

You might need to turn on Airplane mode if you board an airplane. When Airplane mode is on, all wireless features are turned off automatically. Click the network icon  on the bottom right of your display to turn on Airplane mode.

Note: You can enable Wi-Fi networks in this mode according to your actual needs.

Connect to a cellular network (for selected models of Lenovo 300w 2-in-1 Gen 5 only)

To connect a 4G cellular data network, you must have a wireless wide area network (WWAN) module and a nano-SIM card installed. The nano-SIM card might come with your computer by countries or regions. If no nano-SIM card is shipped, you will need to purchase one from authorized service carriers.

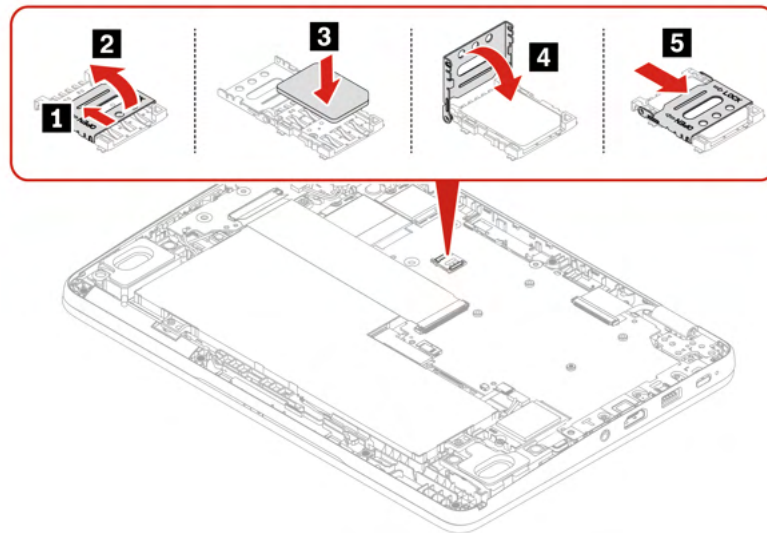
Notes:

- Depending on the model, your computer might have no WWAN module installed.
- The 4G cellular service is provided by authorized mobile service carriers in some countries or regions. You must have a cellular plan from a service carrier to connect to the cellular network. The cellular data plan might vary by location.
- Network connection speeds might also vary by location, environment, network conditions and other factors.

Establish a cellular connection

This section introduces how to establish a cellular connection.

- Step 1. Turn off the computer and remove the base cover assembly. See “Base cover assembly” on page 31.
- Step 2. Slide the socket cover slightly to the left and pivot the socket cover upward. Install a nano-SIM card and close the socket cover. Then slide the socket cover slightly to the right and ensure that the card is seated correctly.



- Step 3. Turn on the computer.
- Step 4. Click the network icon, and then select the cellular network icon  from the list. Provide required information, if needed.

Interact with your computer

Your computer provides you various ways to navigate the screen.

Use the keyboard shortcuts

Keyboard shortcuts are keys or combinations of keys that provide a quick way to perform particular functions. They help you work more efficiently.

The following tables introduce the functions of keyboard shortcuts.

Key / Key combination	Function description
	Switch between the special and standard functions of the function keys (F1–F12).
Fn+FnLock	Function keys provide two sets of functions: special function and standard function. Icons on the key denote the special function, such as  and  . Characters on the key denote the standard function, such as F1 and F2.
	Mute / unmute (speaker).
	Decrease the volume.
	Increase the volume.

Key / Key combination	Function description
	Mute / unmute the microphones.
	Decrease display brightness.
	Increase display brightness.
	Select and set up display devices.
	Enable / Disable Airplane mode.
	Open the Settings window.
	Lock the screen.
	Open Microsoft® Phone Link.
	Open the Calculator.
	Open the Lenovo Commercial Vantage app.
	Print screen.
	• Launch Copilot in Windows. • Launch Windows Search. Note: The function varies by countries or regions.

You can customize keyboard settings in Vantage app. To customize detailed settings, open the Vantage app, and then click **Device → Input & Accessories**.

For more keyboard shortcuts, go to <https://support.lenovo.com/solutions/windows-support>.

Important note for Lenovo 300w 2-in-1 Gen 5 / Lenovo 500w 2-in-1 Gen 5

Do not place your computer on another computer while it is in use. Otherwise, the keyboard and the trackpad will be disabled.



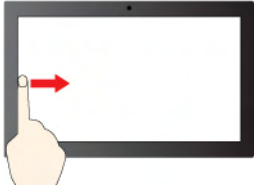
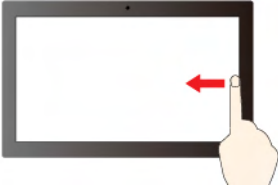
Use the touch screen (for Lenovo 300w 2-in-1 Gen 5 and Lenovo 500w 2-in-1 Gen 5 only)

For computers with a touch-enabled screen, you can touch the screen directly with your fingers and interact with computer in a simple way. The following sections introduce frequently used touch gestures.

Notes:

- Some gestures might not be available when you are using certain apps.
- Do not use gloved fingers or incompatible pens for input on the screen. Otherwise, the touch screen might be not sensitive or does not respond.
- The touch screen is delicate. Do not apply pressure on the screen or touch the screen with anything hard or sharp. Otherwise, the touch panel might malfunction or get damaged.

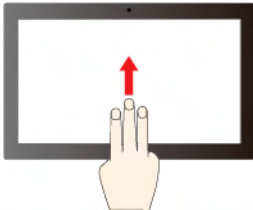
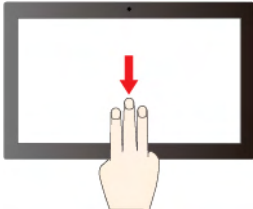
One-finger touch gesture

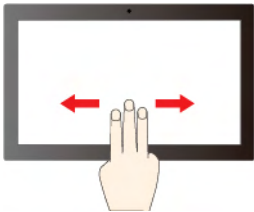
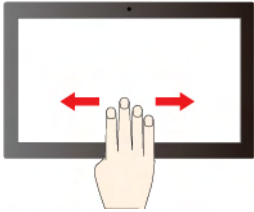
To do this	Gesture
	Tap and hold.
Open a shortcut menu.	
	Swipe from the left.
Open the widget panel.	
	Swipe from the right.
Open notification center.	

Two-finger touch gesture

To do this	Gesture
Zoom out.	Move two fingers towards. 
Zoom in.	Spread two fingers apart. 

Three-and-four-finger touch gesture

To do this	Gesture
Show all open windows.	Swipe with three fingers up. 
Show the desktop.	Swipe with three fingers down. 

To do this	Gesture
Switch apps.	Swipe with three fingers to the left or right. 
Switch desktops.	Swipe with four fingers to the left or right. 

Enable three-and-four-finger touch gestures (for selected models)

- Step 1. Type **touchpad** in the Windows search box and then press Enter.
- Step 2. Turn on the **Three-finger gestures** switch or **Four-finger gestures** switch as you desire.

What to do if the touch screen is not sensitive or does not respond

Follow the instructions to troubleshoot the touch screen.

- Step 1. Turn off the computer.
- Step 2. Use a dry, soft, and lint-free cloth or a piece of absorbent cotton to remove fingerprints or dust from the touch screen. Do not apply solvents to the cloth.
- Step 3. Restart the computer and check if the touch screen works normally.
- Step 4. If the touch screen cannot work normally, type **Windows Update** in the Windows search box and then press Enter.
- Step 5. Follow the on-screen instructions to update Windows.
- Step 6. After updating Windows, check if the touch screen works normally.
- Step 7. If the touch screen still cannot work normally, the touch screen might get damaged. You can call Lenovo Customer Support Center to get further help.

Connect to an external display

Connect your computer to a projector or a monitor to give presentations or expand your workspace.

Connect to a wired display

You can connect a wired display with your computer through the USB-C connector and / or HDMI connector.

If your computer cannot detect the external display, right-click a blank area on the desktop and select **Display settings**. Then follow the on-screen instructions to detect the external display.



Supported resolution

The following table lists the supported maximum resolution of the external display.

Connect the external display to	Supported resolution
USB-C® power connector (USB 10Gbps)	Up to 4K / 60 Hz
HDMI connector	Up to 4K / 30 Hz

Connect to a wireless display

To use a wireless display, ensure that both your computer and the external display support the Miracast® feature.

Press Windows logo key+K and then select a wireless display to connect with.

Set the display mode

Press or Fn key+ and then select a display mode of your preference.

Change display settings

You can change the settings for both the computer display and the external display, such as the main or the secondary display, brightness, resolution, and orientation.

To change the settings, do the following:

- Step 1. Right-click a blank area on the desktop and select **Display settings**.
- Step 2. Select the display that you want to configure and change display settings of your preference.

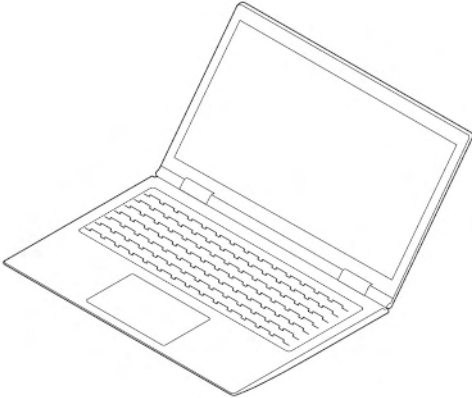
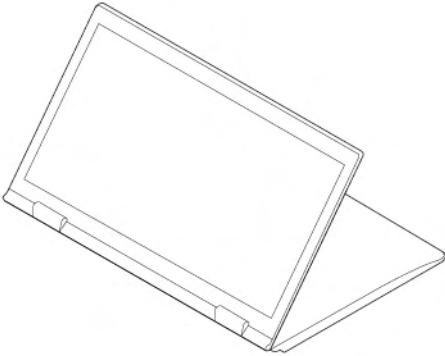
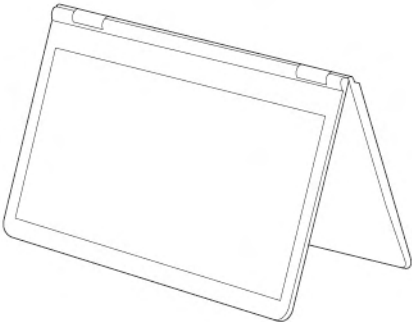
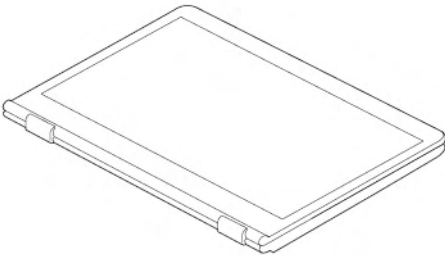
Get to know convertible multi-modes (for selected models of Lenovo 300w 2-in-1 Gen 5 and Lenovo 500w 2-in-1 Gen 5 only)

The computer display can be opened up to an angle of 360 degrees. Rotate the computer display to switch among different convertible multi-modes for different purposes.

Notes:

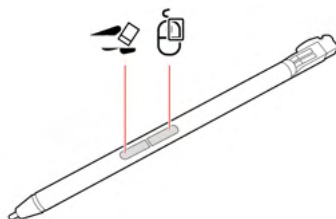
- Do not rotate the display with too much force, or apply too much force to the upper-right or upper-left corner of the display. Otherwise, the computer display or hinges might get damaged.

- The keyboard and the pointing device are automatically disabled in the stand mode, tent mode, and tablet mode. Use the touch screen to control your computer instead. The keyboard and the pointing device will be enabled again automatically when you switch from other modes to notebook mode.

Recommended scenario	Recommended scenario
Notebook mode Enter text. Use the Trackpad and the pointing device. 	Stand mode Have a video call. Give a presentation. 
Tent mode Watch a video. View a slide show. 	Tablet mode Write and draw. Play touch-enabled games. 

Use Lenovo Integrated Pen (for selected models of Lenovo 300w 2-in-1 Gen 5 and Lenovo 500w 2-in-1 Gen 5)

The garaged rechargeable electronic pen enables a more precise and easier way of selecting, writing and sketching.



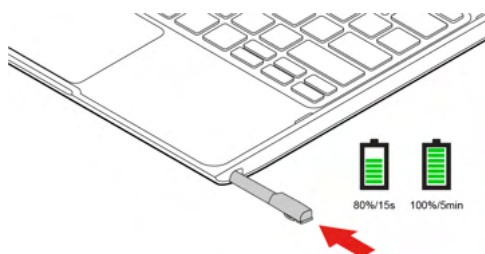
Item	Description	Item	Description
	Eraser button (default)		Right-click button (default)

Notes:

- The default function of each barrel button might vary in different apps.
- To customize the barrel button functions, use Lenovo Pen Settings. If Lenovo Pen Settings is not installed on your computer, download and install the latest WinTab driver from <https://support.lenovo.com>.
- Lenovo Integrated Pen is not waterproof. Keep the pen away from water and excessive moisture.
- To purchase Lenovo Integrated Pen, go to <https://www.lenovo.com/accessories>.
- Selected models support pen with a conductive tip. The tip diameter should be more than 2 mm. Also, the diameter of the contact area between the tip and screen should be more than 1.5 mm.

Charge Lenovo Integrated Pen

1. Ensure that your computer is on or in sleep mode.
2. Insert the pen back into the pen slot. The pen is 80% charged in about 15 seconds and 100% charged in about five minutes.

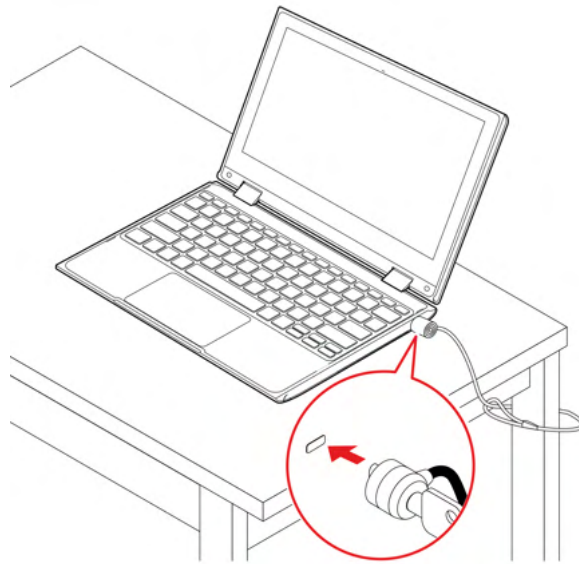


Chapter 3. Explore your computer

This chapter helps you get full use of your computer.

Lock the computer

Lock your computer to a desk, table, or other fixtures through a compatible security cable lock.



Note: The slot supports cable locks that conform to the Kensington NanoSaver® lock standards using Cleat™ locking technology. You are responsible for evaluating, selecting, and implementing the locking device and security feature. Lenovo is not responsible for the locking device and security feature. You can purchase the cable locks at <https://smartfind.lenovo.com>.

Lenovo Commercial Vantage

The Lenovo Commercial Vantage app (hereafter referred to as Vantage app) is a customized one-stop solution to help you maintain your computer with automated updates and fixes, configure hardware settings, and get personalized support.

To access the Vantage app, type Lenovo Commercial Vantage in the Windows search box.

Notes:

- The available features vary depending on the computer model.
- The Vantage app makes periodic updates of the features to keep improving your experience with your computer. The description of features might be different from that on your actual user interface. Ensure that you use the latest version of Vantage app, and apply Windows Update to get the latest updates.

The Vantage app enables you to:

- Know the device status easily and customize device settings.
- Download and install UEFI BIOS, firmware, and driver updates to keep your computer up-to-date.
- Monitor your computer health, and secure your computer against outside threats.

- Scan your computer hardware and diagnose hardware problems.
- Look up warranty status (online).
- Access *User Guide* and helpful articles.

Manage power

Use the information in this section to achieve the best balance between performance and power efficiency.

Check the battery status

Check the battery status to help use computer properly.

Go to **Settings** → **System** to check the battery status. For more details about your battery, refer to the Vantage app.

Charge the battery with ac power

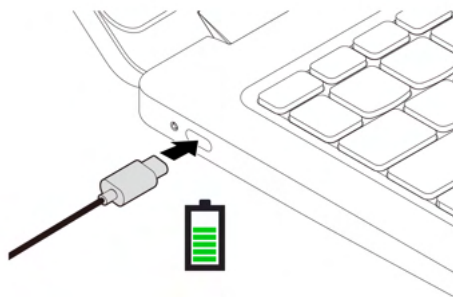
Power source of the ac power adapter:

- Power: 45 W or 65 W
- Sine-wave input at 50 Hz to 60 Hz
- Input rating of the ac power adapter: 100 V to 240 V ac, 50 Hz to 60 Hz
- Output rating of the ac power adapter: 20 V dc, 2.25 A or 3.25 A

When the battery power is low, charge your battery by connecting your computer to ac power with the supplied power adapter. The 65 W ac power adapter supports the rapid charge function, the battery is 80% charged in about one hour when the computer is turned off. The actual charging time depends on the battery size, the physical environment, and whether you are using the computer.

Battery charging is also affected by its temperature. The recommended temperature range for charging the battery is between 10°C (50°F) and 35°C (95°F).

Note: Some models may not ship with ac adapters or power cords. Use only the certified adapters and power cords provided by Lenovo that comply with the requirements of relevant national standards to charge the product. It is recommended to use the Lenovo qualified adapters. You can refer to <https://www.lenovo.com/us/en/compliance/eu-doc>.



Maximize the life of the battery

Follow the instructions to maximize the life of the battery.

- Use the battery until the charge is depleted and recharge the battery completely before using it. Once the battery is fully charged, it must discharge to 94% or lower before it will be allowed to recharge again.

- Keep the battery from full charge when it is not in heavy use. For more information, refer to the **Battery settings** tab in the **Power** section of the Vantage app.
- The battery might optimize its full charge capacity based on your usage. After prolonged periods of limited use, full battery capacity might not be available until you discharge to as low as 20% and recharge completely. For more information, refer to the **Battery settings** tab in the **Power** section of the Vantage app.

Change the power settings

Follow the instructions to change the power settings of your preference.

For ENERGY STAR® compliant computers, the following power plan takes effect by default when your computer is on ac power and has been idle for a specified duration:

- Turn off the display: After 5 minutes
- Put the computer to sleep: After 15 minutes

To change the power plan, the power button function and other settings, do the following:

- Step 1. Go to **Control Panel** and view by Large icons or Small icons.
- Step 2. Click **Power Options**.
- Step 3. Change the settings as you prefer.

Connect to a Bluetooth device

You can connect all types of Bluetooth-enabled devices to your computer, such as a keyboard, a mouse, a smartphone, or speakers. To ensure successful connection, place the devices at most 10 meters (33 feet) from the computer.

Conventional pair

This topic helps you connect to a Bluetooth device by conventional pair.

- Step 1. Type **Bluetooth** in the Windows search box and then press Enter.
- Step 2. Turn on both the Bluetooth on your computer and the Bluetooth device. Make sure the device is discoverable.
- Step 3. Select the device when it is displayed on the **Add device** list, and then follow the on-screen instructions.

Swift pair

This topic helps you connect to a Bluetooth device by swift pair.

If your Bluetooth device supports swift pair, do the following:

- Step 1. Enable swift pair notification on Bluetooth settings page.
- Step 2. Turn on both the Bluetooth on your computer and the Bluetooth device. Make sure the device is discoverable.
- Step 3. Click **Connect** when a swift pair notification appears on your computer.

Chapter 4. Configure advanced settings

UEFI BIOS

UEFI BIOS is the first program that the computer runs. When the computer turns on, UEFI BIOS performs a self test to make sure that various devices in the computer are functioning properly.

Enter the UEFI BIOS menu

Turn on or restart the computer. When the logo screen is displayed, press F1 repeatedly to enter the UEFI BIOS menu.

Navigate the UEFI BIOS menu

Follow the on-screen instructions to navigate in the UEFI BIOS menu.

The table below introduces some available settings of the UEFI BIOS menu. To know more about the UEFI BIOS, for example, BIOS Event log, you can go to <https://pcsupport.lenovo.com> and then type **UEFI BIOS** in search box.

Note: The UEFI BIOS menu might vary depending on system configurations.

Menu	Introduction
Main	This category displays the general product-related information, such as UEFI BIOS version, machine type, system serial number, preinstalled OS license, and BIOS Event log.
Config	This category enables you to update configurations relating to system settings such as network, USB, keyboard, display, CPU, and power.
Date/Time	This category enables you to set computer date and time in this category.
Security	This category enables you to configure security settings related to such as password and I/O accessibility.
Startup	This category enables you to manage settings relevant to booting up.
Restart	This category enables you to save or discard changes before exiting.

You can go to Lenovo BIOS Simulator Center <https://download.lenovo.com/bSCO/index.html> to explore the detailed settings by your product name.

Note: The Lenovo BIOS Simulator Center makes periodic updates of the settings. The UEFI BIOS simulator interface and description of settings might be different from that on your actual user interface.

Customize BIOS Defaults

The feature provides a solution to backup your preferred BIOS Setup settings.

It helps you to save the BIOS Setup settings as customized BIOS default settings, load them to current BIOS settings when needed, and reset the settings to Setup Defaults.

Save the customized settings configuration

Follow the instructions to save the customized settings configuration.

Step 1. Restart the computer. When the logo screen is displayed, press F1 to enter the UEFI BIOS menu.

Step 2. Select **Restart → Save Custom Defaults**.

Step 3. Click **Yes** to save the settings configuration you customized.

Load the customized settings configuration

Follow the instructions to load the customized settings configuration.

Step 1. Restart the computer. When the logo screen is displayed, press F1 to enter the UEFI BIOS menu.

Step 2. Select **Restart → Load Custom Defaults**.

Step 3. Click **Yes** to load the customized settings configuration you saved.

You can also press F9 and click **Custom Defaults** to load the customized settings configuration.

Note: **Load Custom Defaults** is unavailable if no customized BIOS default settings are saved.

Reset the settings configuration to Setup Defaults

Follow the instructions to reset the settings configuration to Setup Defaults.

Step 1. Restart the computer. When the logo screen is displayed, press F1 to enter the UEFI BIOS menu.

Step 2. Select **Restart → Load Factory Defaults**.

Step 3. Click **Yes** to reset the settings configuration to Setup Defaults.

You can also press F9 and click **Factory Defaults** to reset the settings configuration to Setup Defaults.

UEFI BIOS passwords

You can set passwords in UEFI (Unified Extensible Firmware Interface) BIOS (Basic Input/Output System) to strengthen the security of your computer.

Password types

You can set various types of passwords in the UEFI BIOS menu.

Notes:

- All passwords set in the UEFI BIOS menu consist of alphanumeric characters only.
- If you start the UEFI BIOS menu using the user password, you can only change a few settings.

Password type	Pre-requisite	Usage
Supervisor password	No	Use the supervisor password to enter the UEFI BIOS menu.
User password	The supervisor password must be set.	Use the user password to enter the UEFI BIOS menu.
Master hard disk password	No	Use master hard disk password to enter the UEFI BIOS menu or operating system.
User hard disk password	The master hard disk password must be set.	Use the user hard disk password to enter the UEFI BIOS menu or operating system.

Set a supervisor password

You can set the supervisor password to prevent unauthorized access to the UEFI BIOS menu.

Attention: If you forget the supervisor password, a Lenovo-authorized service personnel cannot reset your password. You must take your computer to a Lenovo-authorized service personnel to have the system board replaced. Proof of purchase is required and a fee will be charged for parts and service.

- Step 1. Restart the computer. When the logo screen is displayed, press F1 to enter the UEFI BIOS menu.
- Step 2. Select **Security → Set Supervisor password** and press Enter.
- Step 3. Enter a password string that contains only letters and numbers and then press Enter.
- Step 4. Enter the password again and press Enter.
- Step 5. Select **Exit → Exit Saving Changes**.

Next time you turn on the computer, you should enter the supervisor password to enter the UEFI BIOS menu.

Change or remove the supervisor password

Only the administrator can change or remove the supervisor password.

- Step 1. Restart the computer. When the logo screen is displayed, press F1 to enter the UEFI BIOS menu.
- Step 2. Select **Security → Set Supervisor password** and press Enter.
- Step 3. Enter the current password.
- Step 4. In the **Enter New Password** field, enter the new password.
- Step 5. In the **Confirm New Password** field, enter the new password again.

Note: If you want to remove the password, leave both fields blank, and press Enter twice.

- Step 6. Select **Exit → Exit Saving Changes**.

If you remove the supervisor password, the user password is also removed.

Set a user password

You must set the supervisor password before you can set the user password.

Attention: If you forget the supervisor password, a Lenovo-authorized service personnel cannot reset your password. You must take your computer to a Lenovo-authorized service personnel to have the system board replaced. Proof of purchase is required and a fee will be charged for parts and service.

- Step 1. Restart the computer. When the logo screen is displayed, press F1 to enter the UEFI BIOS menu.
- Step 2. Select **Security → Set User Password** and press Enter.
- Step 3. Enter a password string that contains only letters and numbers and then press Enter.

Note: The user password should be different from the supervisor password.

- Step 4. Enter the password again and press Enter.
- Step 5. Select **Exit → Exit Saving Changes**.

Change or remove the user password

Follow the instructions to change or remove the user password.

- Step 1. Restart the computer. When the logo screen is displayed, press F1 to enter the UEFI BIOS menu.

- Step 2. Select **Security → Set User Password** and press Enter.
- Step 3. Enter the current password.
- Step 4. In the **Enter New Password** field, enter the new password.
- Step 5. In the **Confirm New Password** field, enter the new password again.

Note: If you want to remove the password, leave both fields blank, and press Enter twice.

- Step 6. Select **Exit → Exit Saving Changes**.

Enable the power on password

If the supervisor password has been set, you can enable the power on password to enforce stronger security.

- Step 1. Restart the computer. When the logo screen is displayed, press F1 to enter the UEFI BIOS menu.
- Step 2. Select **Security → Power on Password** and press Enter.

Note: The supervisor password must be set in advance.

- Step 3. Change the setting to **Enabled**.
- Step 4. Select **Exit → Exit Saving Changes**.

If the power on password is enabled, you must enter the supervisor password or user password every time you enter the UEFI BIOS menu.

Set a hard disk password

You can set a hard disk password in the UEFI BIOS menu to prevent unauthorized access to your data.

Attention: Be extremely careful when setting a hard disk password. If you forget the master hard disk password, a Lenovo-authorized service personnel cannot reset your password or recover data from the hard disk. You must take your computer to a Lenovo-authorized service personnel to have the hard disk drive replaced. Proof of purchase is required and a fee will be charged for parts and service.

Notes:

- If you start the UEFI BIOS menu using the user password, you cannot set the hard disk password.
- The master hard disk password and user hard disk password must be set at the same time.

- Step 1. Restart the computer. When the logo screen is displayed, press F1 to enter the UEFI BIOS menu.
- Step 2. Select **Security → Set Hard Disk Password** and press Enter.
- Step 3. Follow the on-screen instructions to set both the master hard disk password and user hard disk password.
- Step 4. Select **Exit → Exit Saving Changes**.

If the hard disk password is set, you must enter the password to enter the UEFI BIOS menu or the operating system.

Change or remove the hard disk password

Follow the instructions to change or remove the hard disk password.

- Step 1. Restart the computer. When the logo screen is displayed, press F1 to enter the UEFI BIOS menu.
- Step 2. Select **Security**.

Step 3. To change or remove the hard disk password, do one of the following:

- a. To change or remove the master hard disk password, select **Change Master Password** and press Enter.

Notes:

- If you remove the master hard disk password, the user hard disk password is also removed.
 - The user hard disk password cannot be removed separately.
- b. To change the user hard disk password, select **Change User Password** and press Enter.

Step 4. Select **Exit → Exit Saving Changes**.

Chapter 5. CRU replacement

This section provides instructions on how to replace Customer Replaceable Units (CRUs).

Customer Replaceable Units (CRUs) are parts that can be replaced by the customer. The computers contain the following types of CRUs:

- **Self-service CRUs:** Refer to parts that can be replaced easily by customer themselves or by trained service technicians at an additional cost.
- **Optional-service CRUs:** Refer to parts that can be replaced by customers with a greater skill level. Trained service technicians can also provide service to replace the parts under the type of warranty designated for the customer's machine.

If you intend on installing a CRU, Lenovo will ship the CRU to you. CRU information and replacement instructions are shipped with your product and are available from Lenovo at any time upon request. You might be required to return the defective part that is replaced by the CRU. When return is required: (1) return instructions, a prepaid shipping label, and a container will be included with the replacement CRU; and (2) you might be charged for the replacement CRU if Lenovo does not receive the defective CRU within thirty (30) days of your receipt of the replacement CRU. For full details, see the Lenovo Limited Warranty documentation at https://www.lenovo.com/warranty/llw_02.

CRU list

This topic provides the CRU list of your computer.

Self-service CRUs

- ac power adapter
- Lenovo Integrated Pen (for selected models of Lenovo 300w 2-in-1 Gen 5 and Lenovo 500w 2-in-1 Gen 5 only)
- Pen dummy (for selected models of Lenovo 300w 2-in-1 Gen 5 and Lenovo 500w 2-in-1 Gen 5 only)
- Power cord

Optional-service CRUs

- Base cover assembly
- Built-in battery
- Daughter board cable
- Keyboard
- M.2 solid-state drive
- M.2 solid-state drive AL foil (for selected models of Lenovo 300w 2-in-1 Gen 5 only)
- M.2 solid-state drive bracket (for selected models)
- Wireless WAN module (for selected models of Lenovo 300w 2-in-1 Gen 5 only)
- Wireless WAN module bracket (for selected models of Lenovo 300w 2-in-1 Gen 5 only)

Note: Replacement of any parts not listed above should be done by a qualified repair technician or by ensuring that you carefully follow all instructions provided by Lenovo. You can also find Lenovo-authorized repair facilities by going to <https://support.lenovo.com/partnerlocator> for more information.

Before you replace any CRU

Before replacing any CRU, ensure that you disable Fast Startup first and then disable the built-in battery.

Disable Fast Startup

Follow the instructions to disable Fast Startup.

- Step 1. Go to **Control Panel** and view by Large icons or Small icons.
- Step 2. Click **Power Options**, and then click **Choose what the power buttons do** on the left pane.
- Step 3. Click **Change settings that are currently unavailable** at the top.
- Step 4. If prompted by User Account Control (UAC), click **Yes**.
- Step 5. Clear the **Turn on fast startup** check box, and then click **Save changes**.

Disable the built-in battery

Follow the instructions to disable the built-in battery.

- Step 1. Restart the computer. When the logo screen is displayed, press F1 to enter the UEFI BIOS setup utility.
- Step 2. Select **Config → Disable Built-in Battery** and press Enter.
- Step 3. Select **Yes** in the window prompted.

The built-in battery is disabled and the computer turns off automatically.

Wait three to five minutes to let the computer cool.

Note: If your computer cannot enter the setup utility, you cannot disable the built-in battery. To ensure safety when you replace a CRU, it is recommended to do the following:

- For the built-in battery connected to the system board with cables: Disconnect the battery cables.
- For the CRUable built-in battery connected to the system board with comb connectors: Remove the battery. For the removal procedure, refer to the built-in battery replacement instructions in this documentation.
- For the non-CRUable built-in battery connected to the system board with comb connectors: Call Lenovo Customer Support Center for help.

To check whether the built-in battery on your computer is a CRU, see the CRU list in Chapter 5 “CRU replacement” on page 29.

Replace a CRU

Follow the instructions to replace a CRU.

Pen dummy (for selected models of Lenovo 300w 2-in-1 Gen 5 and Lenovo 500w 2-in-1 Gen 5)

Follow the instructions to replace the pen dummy.

Prerequisite

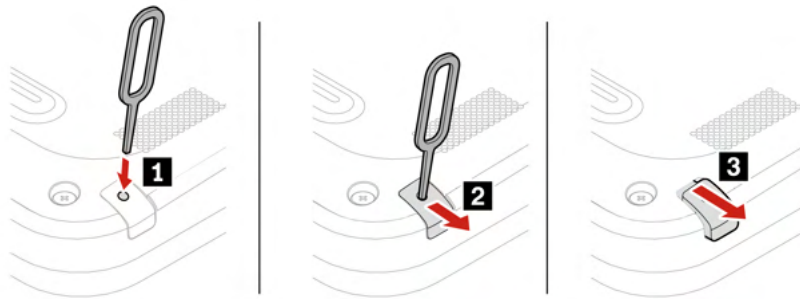
Before you start, read [Generic Safety and Compliance Notices](#) and print the following instructions.

For access, do the following:

1. Ensure that your computer is off or in sleep mode. Disconnect the computer from ac power and all connected cables.
2. Close the computer display and turn the computer over.

Removal procedure

Prepare a tool as shown to remove the pen dummy.



Base cover assembly

Follow the instructions to replace the base cover assembly.

Before you start, read [Generic Safety and Compliance Notices](#) and print the following instructions.

Note: Do not remove the base cover assembly when your computer is connected to ac power. Otherwise, there might be a risk of short circuits.

For access, do the following:

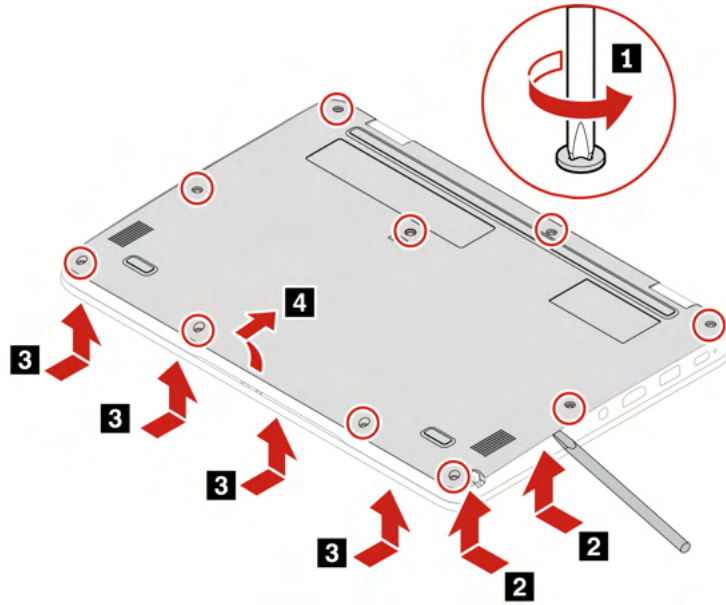
1. Disable Fast Start up and the built-in battery. See “Before you replace any CRU” on page 30.
2. Turn off the computer and disconnect the computer from ac power and all connected cables.
3. Close the computer display and turn over the computer.

Tools needed:

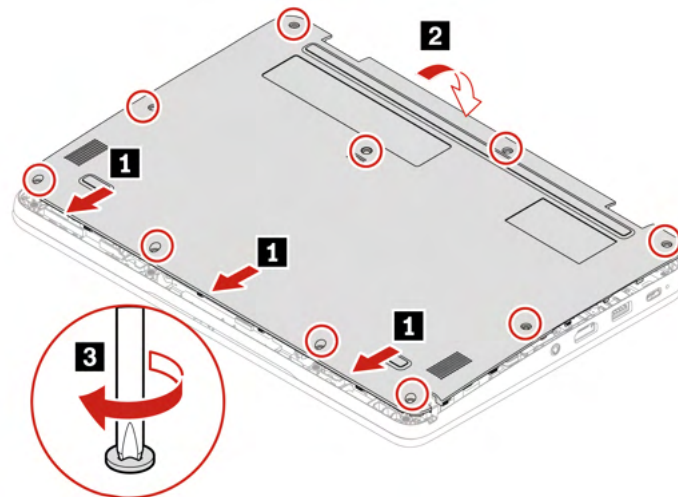
- Phillips head screwdriver
- Pry tool

Step 1. Remove the base cover assembly as shown below.

Note: Prepare a pry tool to release the hooks.



Step 2. Install the base cover assembly as shown below.



If the computer does not start up after you reinstall the base cover assembly, disconnect the ac power adapter and then reconnect it to the computer.

Built-in battery

Follow the instructions to replace the built-in battery.

- Before you start, read [Generic Safety and Compliance Notices](#) and print the following instructions.

Use only the Lenovo-authorized battery specified for the computer. Any other battery could ignite or explode.

Important notices for replacing a battery

Batteries supplied by Lenovo for use with your product have been tested for compatibility and should only be replaced with approved parts. A battery other than the one specified by Lenovo, or a disassembled or modified battery may not be covered by warranty.

Battery abuse or mishandling can cause overheating, liquid leakage, or an explosion. To avoid possible injury:

- Do not open, disassemble or service any battery unless you are competent to do so and ensure that you carefully follow all instructions provided by Lenovo.
- Do not crush or puncture the battery.
- Do not short-circuit the battery or expose it to water or other liquids.
- Keep the battery away from children.
- Keep the battery away from fire.
- Stop using the battery if it is damaged, or if you notice any discharge or the buildup of foreign materials on the battery leads.
- Do not put the battery in trash that is disposed of in landfills. When disposing of the battery, comply with local ordinances or regulations.
- If the battery is incorrectly replaced, there is danger of an explosion. The battery contains a small amount of harmful substances.

Lenovo recommends you use a qualified repair technician or ensure that you carefully follow all instructions provided by Lenovo. The Lenovo-authorized repair facilities or technicians recycle Lenovo batteries according to local laws and regulations. Please do not dispose of your battery with your household waste. For recycling information go to <https://www.lenovo.com/recycling>.

Attention: Lenovo has no responsibility for the performance or safety of unauthorized batteries, and provides no warranties for failures or damage arising out of their use.

The Vantage app provides an automatic battery diagnostic test that determines if the built-in battery is defective. A built-in battery should not be replaced unless this diagnostic test shows that the battery is defective. The only exception to this is if the built-in battery is physically damaged.

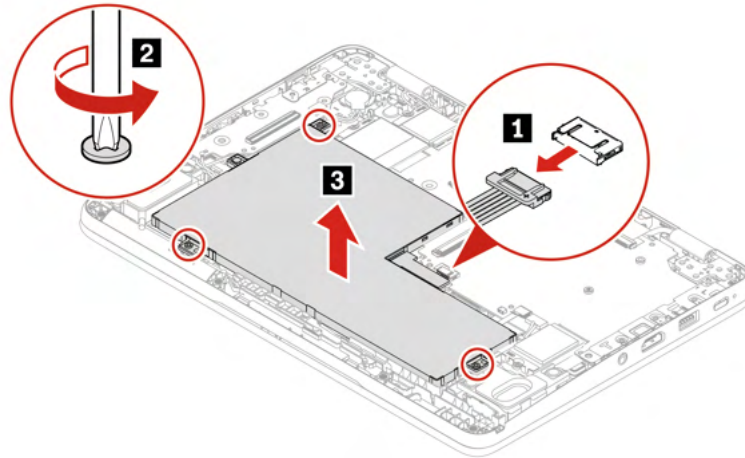
If the Vantage app is not installed on the computer, the customer should download and install the program to diagnose the built-in battery before replacing a non-physically damaged built-in battery. Note that the replacement of a physically damaged built-in battery is not covered by the warranty.

For access, do the following:

1. Disable Fast Start up and the built-in battery. See “Before you replace any CRU” on page 30.
2. Turn off the computer and disconnect the computer from ac power and all connected cables.
3. Close the computer display and turn over the computer.
4. Remove the base cover assembly. See “Base cover assembly” on page 31.

Tool needed: Phillips-head screwdriver

Step 1. Remove the built-in battery as shown below. Loosen the three captive screws.



Step 2. Before installing the built-in battery, thoroughly check the battery compartment and ensure that there are no foreign or sharp objects that could cause damage to the battery.

Step 3. Install the built-in battery in reverse order.

Ensure that the base cover assembly is secured in place. Otherwise, the battery connection might fail.

Wireless WAN module (for selected models of Lenovo 300w 2-in-1 Gen 5 only)

Follow the instructions to replace the Wireless WAN module.

The following information is only for the computer with user-installable modules. Ensure that you use only a Lenovo-authorized wireless module specifically tested for this computer model. Otherwise, the computer will generate an error-code beep sequence when you turn on the computer.

Before you start, read [Generic Safety and Compliance Notices](#) and print the following instructions.

Notes:

- Wireless WAN ready model identifies that product has preinstalled wireless WAN antennas and allows a user-installable wireless WAN module.
- Only wireless WAN model or wireless WAN ready model is allowed to install the optional Lenovo wireless WAN module.

Attention: Do not touch the contact edge of the wireless WAN module. Otherwise, the wireless WAN module might get damaged.

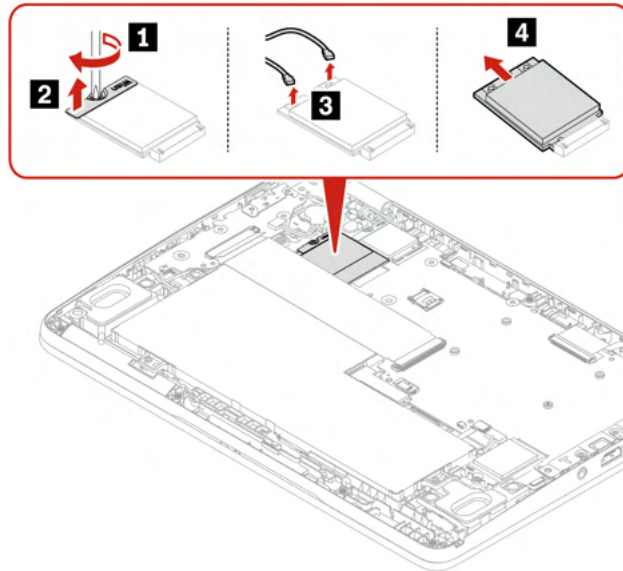
For access, do the following:

1. Disable Fast Start up and the built-in battery. See “Before you replace any CRU” on page 30.
2. Turn off the computer and disconnect the computer from ac power and all connected cables.
3. Close the computer display and turn over the computer.
4. Remove the base cover assembly. See “Base cover assembly” on page 31.

Tool needed: Phillips-head screwdriver

Step 1. Remove the wireless WAN module as shown below.

Note: A Mylar film might cover the wireless WAN module. To access the wireless WAN module, peel off the film first.



Step 2. Install the wireless WAN module in reverse order.

M.2 solid-state drive (for selected models)

Follow the instructions to replace the M.2 solid-state drive.

Before you start, read [Generic Safety and Compliance Notices](#) and print the following instructions.

Attention:

The M.2 solid-state drive is sensitive. Inappropriate handling might cause damage and permanent loss of data.

When handling the M.2 solid-state drive, observe the following guidelines:

- Replace the M.2 solid-state drive only for repair. The M.2 solid-state drive is not designed for frequent changes or replacement.
- Before replacing the M.2 solid-state drive, make a backup copy of all the data that you want to keep.
- Do not apply pressure to the M.2 solid-state drive.
- Do not touch the contact edge or circuit board of the M.2 solid-state drive. Otherwise, the M.2 solid-state drive might get damaged.
- Do not subject the M.2 solid-state drive to physical shocks or vibration. Put the M.2 solid-state drive on a soft material, such as cloth, to absorb physical shocks.

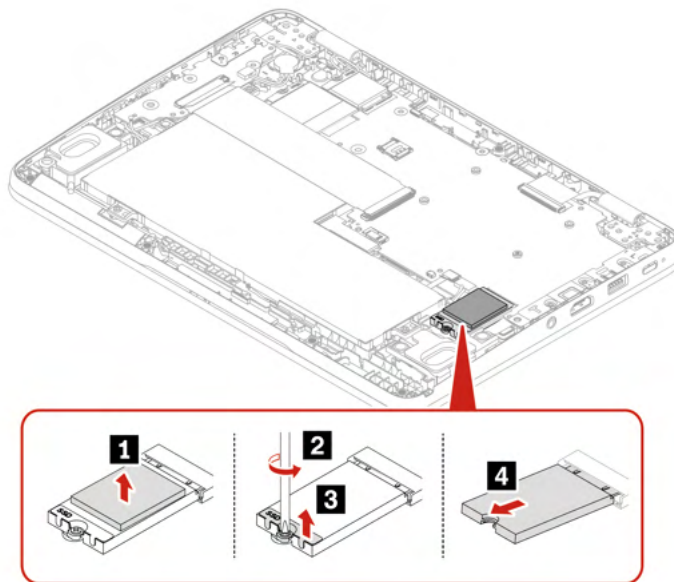
For access, do the following:

1. Disable Fast Start up and the built-in battery. See “Before you replace any CRU” on page 30.
2. Turn off the computer and disconnect the computer from ac power and all connected cables.
3. Close the computer display and turn over the computer.
4. Remove the base cover assembly. See “Base cover assembly” on page 31.

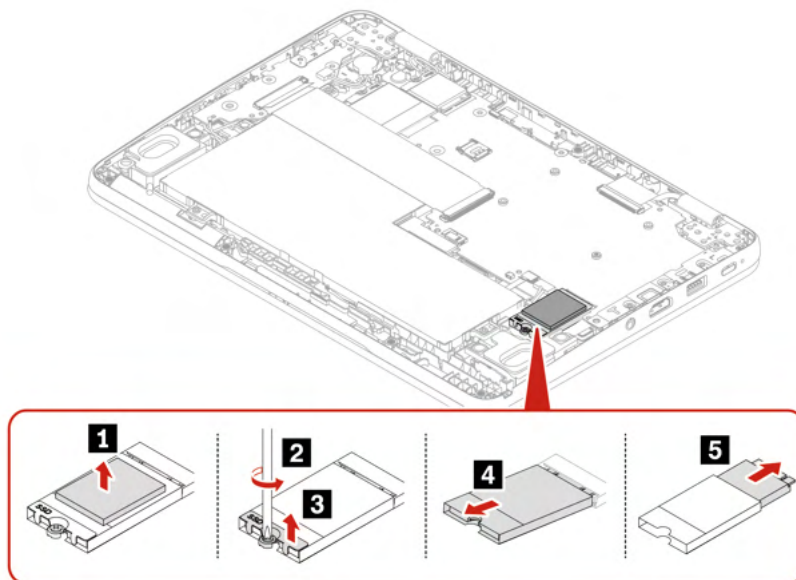
Tool needed: Phillips-head screwdriver

Step 1. Remove the M.2 solid-state drive as shown below.

a. For wireless LAN model:



b. For wireless WAN model:



Step 2. Install the M.2 solid-state drive in reverse order.

Daughter board cable

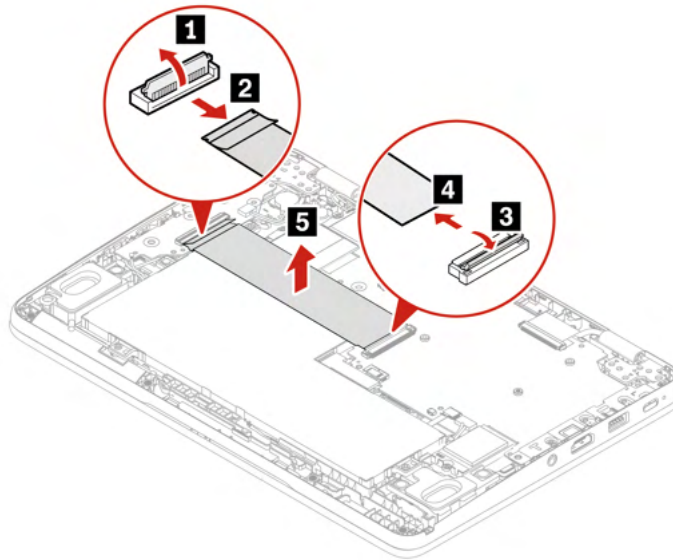
Follow the instructions to replace the daughter board cable.

Before you start, read [Generic Safety and Compliance Notices](#) and print the following instructions.

For access, do the following:

1. Disable Fast Start up and the built-in battery. See “Before you replace any CRU” on page 30.
2. Turn off the computer and disconnect the computer from ac power and all connected cables.
3. Close the computer display and turn over the computer.
4. Remove the base cover assembly. See “Base cover assembly” on page 31.

Step 1. Remove the daughter board cable as shown below.



Step 2. Install the daughter board cable in reverse order.

Keyboard

Follow the instructions to replace the keyboard.

Before you start, read [Generic Safety and Compliance Notices](#) and print the following instructions.

For access, do the following:

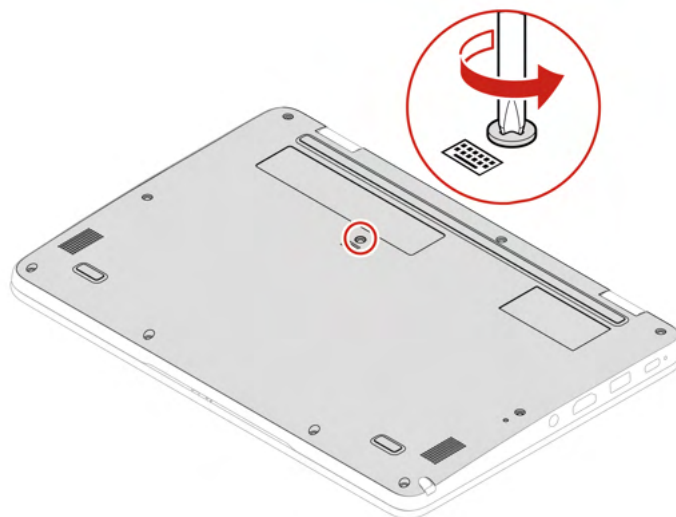
1. Disable Fast Start up and the built-in battery. See “Before you replace any CRU” on page 30.
2. Turn off the computer and disconnect the computer from ac power and all connected cables.

Remove the keyboard

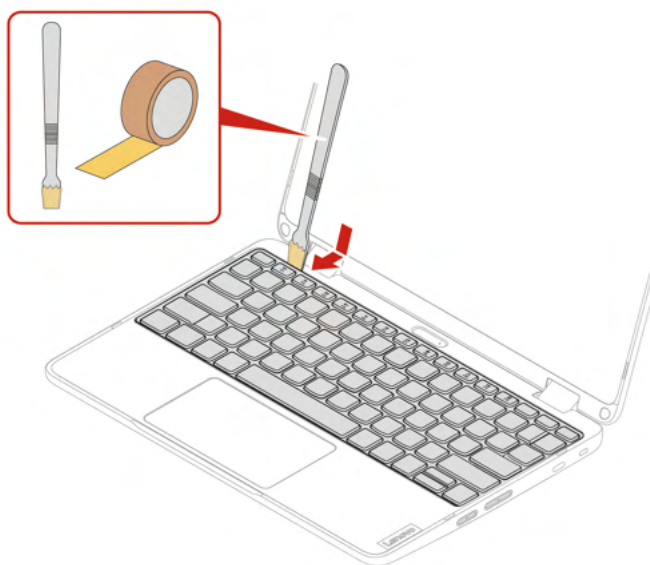
Follow the instructions to remove the keyboard.

Tools needed: Phillips-head screwdriver and metal pry tool

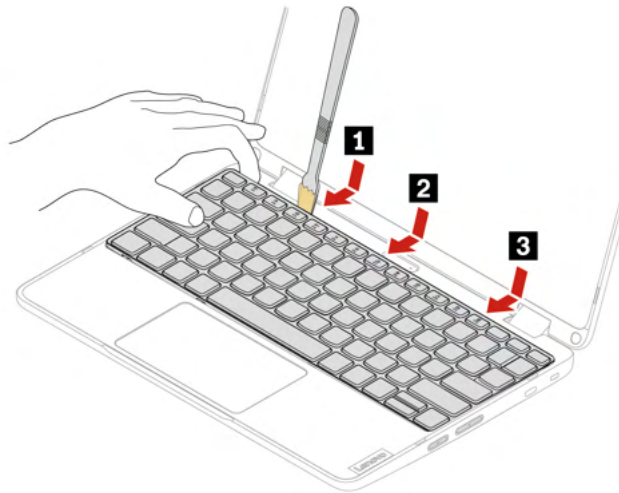
Step 1. Loosen the screw that secures the keyboard.



Step 2. Use a metal pry tool (with adhesive tape attached to the tip) to release the top left corner of the keyboard from the keyboard bezel assembly. Ensure you attach new adhesive tape if it is broken.



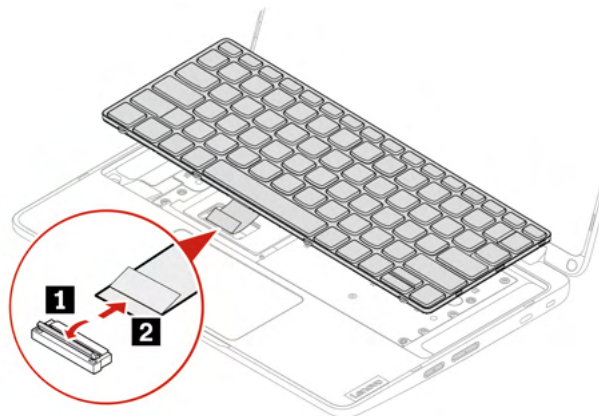
Step 3. Release the latches from the keyboard bezel assembly one by one in the direction as shown by arrows **1**, **2**, and **3**, keep the top left corner of the keyboard in released position during the whole process.



Step 4. Pivot the keyboard slightly upward.



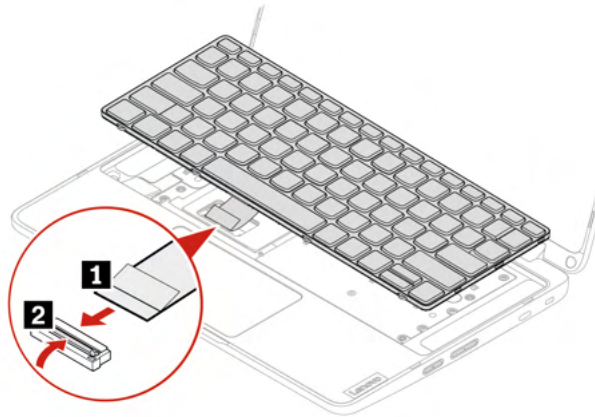
Step 5. Detach the connector and remove the keyboard.



Install the keyboard

Follow the instructions to install the keyboard.

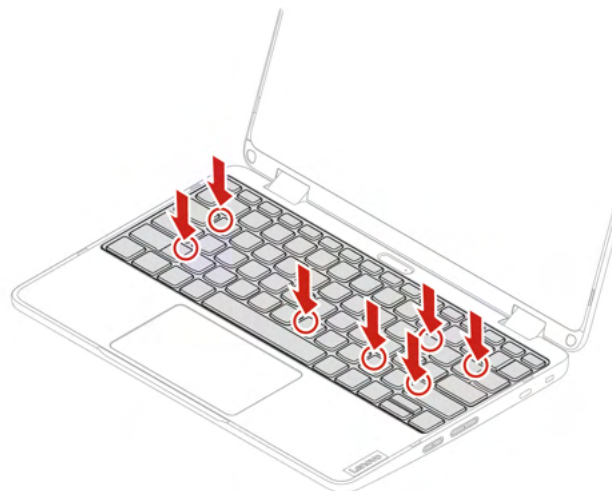
Step 1. Attach the connector.



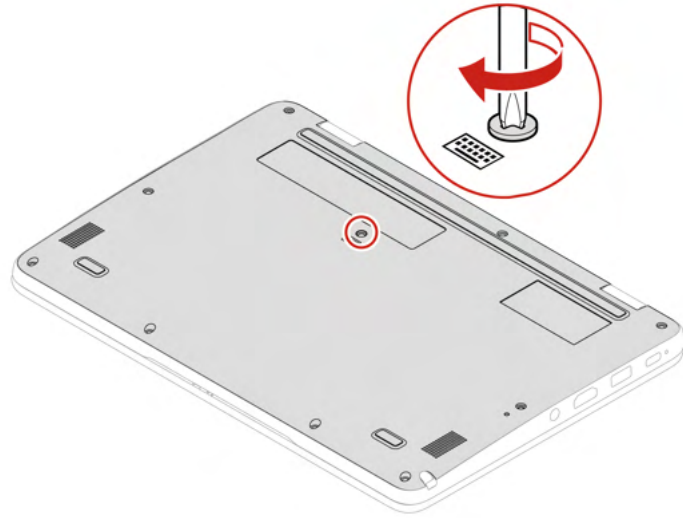
Step 2. Insert the keyboard into the keyboard bezel as shown. Ensure that the bottom edge of the keyboard (the edge that is close to the trackpad) is under the keyboard bezel.



Step 3. Slightly push the keyboard as shown and ensure that it is seated correctly.



Step 4. Tighten the screw to secure the keyboard.



Step 5. Connect the ac power adapter and all disconnected cables to the computer.

Chapter 6. Help and support

Windows label

Windows Genuine Microsoft label indicates the edition of Windows preinstalled on your computer and whether the device is preinstalled with or licensed for genuine Windows.

Your computer might have a Windows Genuine Microsoft label affixed to its cover depending on the following factors:

- Your geographic location
- Edition of Windows that is preinstalled

Go to <https://www.microsoft.com/howtotell/Hardware.aspx> for illustrations of the various types of Genuine Microsoft labels.

- In the People's Republic of China, the Genuine Microsoft label is required on all computer models preinstalled with any edition of the Windows operating system.
- In other countries and regions, the Genuine Microsoft label is required only on computer models licensed for Windows Pro editions.

The absence of a Genuine Microsoft label does not indicate that the preinstalled Windows version is not genuine. For details on how to tell whether your preinstalled Windows product is genuine, refer to the information provided by Microsoft at <https://www.microsoft.com/howtotell/default.aspx>.

There are no external, visual indicators of the Product ID or Windows version for which the computer is licensed. Instead, the Product ID is recorded in the computer firmware. Whenever a Windows product is installed, the installation program checks the computer firmware for a valid, matching Product ID to complete the activation.

In some cases, an earlier Windows version might be preinstalled under the terms of the Windows Pro edition license downgrade rights.

Call Lenovo

If you have tried to correct the problem yourself and still need help, you can call Lenovo Customer Support Center.

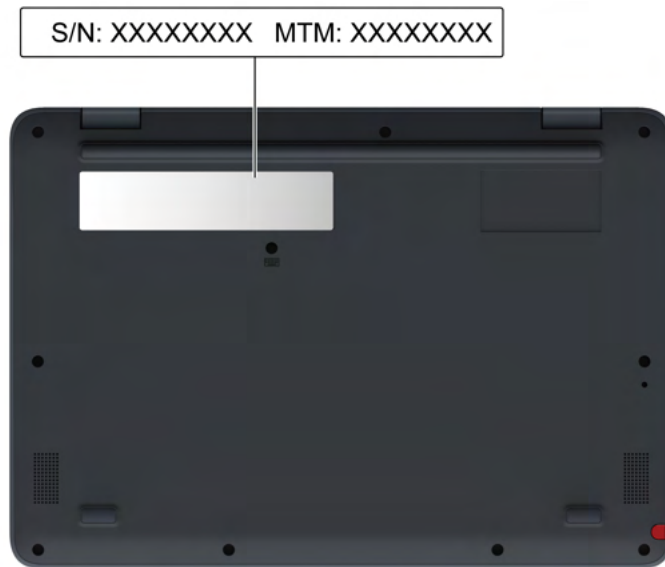
Before you contact Lenovo

Prepare the following before you contact Lenovo:

1. Record the problem symptoms and details:
 - What is the problem? Is it continuous or intermittent?
 - Any error message or error code?
 - What operating system are you using? Which version?
 - Which software applications were running at the time of the problem?
 - Can the problem be reproduced? If so, how?
2. Record the system information:
 - Product name

- Machine type and serial number

The following illustration shows where to find the machine type and serial number of your computer.



Lenovo Customer Support Center

During the warranty period, you can call Lenovo Customer Support Center for help.

Telephone numbers

For a list of the Lenovo Support phone numbers for your country or region, go to <https://pcsupport.lenovo.com/supportphonenumberlist> for the latest phone numbers.

Note: Phone numbers are subject to change without notice. If the number for your country or region is not provided, contact your Lenovo reseller or Lenovo marketing representative.

Services available during the warranty period

- Problem determination - Trained personnel are available to assist you with determining if you have a hardware problem and deciding what action is necessary to fix the problem.
- Lenovo hardware repair - If the problem is determined to be caused by Lenovo hardware under warranty, trained service personnel are available to provide the applicable level of service.
- Engineering change management - Occasionally, there might be changes that are required after a product has been sold. Lenovo or your reseller, if authorized by Lenovo, will make selected Engineering Changes (ECs) that apply to your hardware available.

Services not covered

- Replacement or use of parts not manufactured for or by Lenovo or nonwarranted parts
- Identification of software problem sources
- Configuration of UEFI BIOS as part of an installation or upgrade
- Changes, modifications, or upgrades to device drivers
- Installation and maintenance of network operating systems (NOS)
- Installation and maintenance of programs

For the terms and conditions of the Lenovo Limited Warranty that apply to your Lenovo hardware product, go to:

- https://www.lenovo.com/warranty/lw_02
- <https://pcsupport.lenovo.com/warrantylookup>

Appendix A. Compliance information

This chapter provides the compliance information of your computer.

For compliance information, refer to *Regulatory Notice* at <https://pcsupport.lenovo.com> and *Generic Safety and Compliance Notices* at https://pcsupport.lenovo.com/docs/generic_notices.

Locate the wireless antennas

Your computer has a wireless antenna system. You can enable wireless communication wherever you are.

The following illustration shows the antenna locations on your computer:

Lenovo 100w Gen 5 / Lenovo 500w 2-in-1 Gen 5 / wireless LAN model of Lenovo 300w 2-in-1 Gen 5



- 1** Wireless-LAN antenna (auxiliary)
- 2** Wireless-LAN antenna (main)

Wireless WAN model of Lenovo 300w 2-in-1 Gen 5



- 1 Wireless-WAN antenna (auxiliary)
- 2 Wireless-LAN antenna (main)
- 3 Wireless-WAN antenna (main)
- 4 Wireless-LAN antenna (auxiliary)

Certification-related information

This section provides certification-related information, such as product name and machine type.

Product name	Machine type(s)
Lenovo 100w Gen 5	83LD and 83LE
Lenovo 300w 2-in-1 Gen 5	83LF and 83LG
Lenovo 500w 2-in-1 Gen 5	83LH and 83LJ

Further compliance information related to your product is available at <https://www.lenovo.com/compliance>.

Safety instructions for teachers, parents and adult supervisors

This computer is intended for use as a child development tool primarily by children, 6 years of age or above. There must be supervision by an adult. It is a must to have a thorough explanation to children on safe and proper handling of the computer, battery pack, and ac power adapter.

- For ITE with power supplies not intended to be handled by children: As with all electrical products, precautions should be observed handling and use to prevent electric shock. The ac power adapter should not be handled by children.
- The computer should not be placed on the bare skin (lap) of the child for long periods. The computer should be placed on a flat surface, like desktop, if your child intends to use it for more than a few minutes.
- The computer (including the ac power adapter and the battery pack, as applicable) should not be left in the rain or subjected to exposure to water. If cleaning is necessary do not immerse it in water; wipe clean with damp cloth.
- The computer (including the ac power adapter and the battery pack, as applicable) should not be dropped, crushed (stepped on) or otherwise abused.
- An adult should caution his or her child about the potential trip hazard as posed by the cable between a power source and the computer. An adult should inspect the computer (including the ac power adapter and the battery pack, as applicable) periodically for damage. Similarly, if a child notices damaged/broken parts, this should be reported to the teacher/parents/adult supervisors immediately. Damaged parts may be replaced through service provided by Lenovo.

Chocking Hazard — Small parts. Not suitable for children under age 3.



ELECTRICALLY OPERATED PRODUCT. Not recommended for children under 3 years of age (or other intended age range). As with all electrical products, precautions should be observed during handling and use of electrical products to reduce the risk of electric shock.

Operating environment

Maximum altitude (without pressurization)

3048 m (10 000 ft)

Temperature

- Operating: 5°C to 35°C (41°F to 95°F)
- Storage: 5°C to 43°C (41°F to 109°F)

Note: When you charge the battery, its temperature must be no lower than 10°C (50°F).

Relative humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage: 5% to 95% at wet-bulb temperature 27°C (81°F)

Appendix B. Accessibility features

Lenovo is committed to making information technology accessible to everyone, including those with hearing, vision, or mobility limitations. Lenovo supports accessibility features in the following ways to help all users better engage with Lenovo products.

Accessible documentation

Lenovo documentation is designed to meet users' accessibility needs. Users can read the documentation with assistance as needed. For example:

- Text and images are in high contrast. Color contrast can enhance the visual experience. In this mode, all contents are highlighted to be more visible.
- Text is logical and readable. Images are also readable with alternative text provided. A screen reader can enhance the hearing or listening experience. In this mode, all contents are clearer and easier to understand.
- Text is large and clear, making it easier to read. A magnifier can enlarge the text to improve readability.

For more information, watch the video at:

https://support.lenovo.com/docs/pc_pub_accessibility

Accessible product design

Lenovo product design also supports accessibility features.

Note: The accessibility features vary by product. Depending on the product model, some accessibility features listed below might not be applicable to the product. To get the most up-to-date accessibility information for the product, go to <https://www.lenovo.com/accessibility>. For additional support from Lenovo, users can find phone numbers for their country or region from <https://support.lenovo.com/supportphonenumber>.

- **Keyboards**

Lenovo keyboards support various accessibility features. For example:

- Tactile markings on some keys for easier identification

Tactile markings provide all users with a way to find keys without looking at the keyboard. Lenovo provides bumps for the following keys:

- Function keys: F2 and F3
- Control keys: Fn and Insert
- Typing keys: F, J, and Enter
- Navigation key: Down arrow



- Consistent layout of keyboards for easier use
- Appropriate spacing between keys for typing efficiency
- Sufficient contrast of keys, controls, and labels for better visibility
- On-screen notification or lighted notification for some keys for ease of use
- Keys and controls that can be reached and operated using one hand and require minimal dexterity for ease of use

- **Industry-standard connectors**

The industry-standard connectors on Lenovo products enable better compatibility with peripheral devices.

- **Operating systems**

The accessibility features of the operating systems can be configured to assist users in the following ways:

- Vision features, such as text size and visual effect settings, make the screen contents easier to see.
- Hearing features, such as audio and caption settings, make the screen contents easier to hear.
- Interaction features, such as speech and eye-control settings, make the product easier to control.

To access the accessibility features of the Windows 11 operating system, go to **Start → Settings → Accessibility**.

Appendix C. Notice for USB connector name update

The USB Implementers Forum published a revision of the guideline for USB connector names in September, 2022. Lenovo follows the revised guideline and updates USB connector names accordingly. You can refer to the table below for naming update details.

Current name	Previous name
USB-A connector (Hi-Speed USB)	USB-A 2.0 connector
USB-A connector (USB 5Gbps)	USB-A 3.2 Gen 1 connector
USB-A connector (USB 10Gbps)	USB-A 3.2 Gen 2 connector
USB-A connector (USB 5Gbps, Always On USB)	Always on USB-A 3.2 Gen 1 connector
USB-A connector (USB 10Gbps, Always On USB)	Always on USB-A 3.2 Gen 2 connector
USB-C connector (USB 5Gbps)	USB-C (3.2 Gen 1) connector
USB-C connector (USB 10Gbps)	USB-C (3.2 Gen 2) connector
USB-C connector (USB 20Gbps)	USB 3.2 Gen 2x2
USB-C connector (USB4 20Gbps)	USB 4 Gen 2x2
USB-C connector (USB4 40Gbps)	USB-C (USB 4) connector
USB-C connector (Thunderbolt 3)	USB-C (Thunderbolt 3) connector
USB-C connector (Thunderbolt 4)	USB-C (Thunderbolt 4) connector

Appendix D. Notices and trademarks

Notices

Lenovo may not offer the products, services, or features discussed in this document in all countries. Consult your local Lenovo representative for information on the products and services currently available in your area. Any reference to a Lenovo product, program, or service is not intended to state or imply that only that Lenovo product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any Lenovo intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any other product, program, or service.

Lenovo may have patents or pending patent programs covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

*Lenovo (United States), Inc.
8001 Development Drive
Morrisville, NC 27560
U.S.A.
Attention: Lenovo Director of Licensing*

LENOVO PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

Changes are made periodically to the information herein; these changes will be incorporated in new editions of the publication. To provide better service, Lenovo reserves the right to improve and/or modify the products and software programs described in the manuals included with your computer, and the content of the manual, at any time without additional notice.

The software interface and function and hardware configuration described in the manuals included with your computer might not match exactly the actual configuration of the computer that you purchase. For the configuration of the product, refer to the related contract (if any) or product packing list, or consult the distributor for the product sales. Lenovo may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

The products described in this document are not intended for use in implantation or other life support applications where malfunction may result in injury or death to persons. The information contained in this document does not affect or change Lenovo product specifications or warranties. Nothing in this document shall operate as an express or implied license or indemnity under the intellectual property rights of Lenovo or third parties. All information contained in this document was obtained in specific environments and is presented as an illustration. The result obtained in other operating environments may vary.

Lenovo may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Any references in this publication to non-Lenovo Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this Lenovo product, and use of those Web sites is at your own risk.

Any performance data contained herein was determined in a controlled environment. Therefore, the result obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

This document is copyrighted by Lenovo and is not covered by any open source license, including any Linux® agreement(s) which may accompany software included with this product. Lenovo may update this document at any time without notice.

For the latest information or any questions or comments, contact or visit the Lenovo Web site:

<https://pcsupport.lenovo.com>

Trademarks

Lenovo and Lenovo logo are trademarks of Lenovo. Thunderbolt is a trademark of Intel Corporation or its subsidiaries in the U.S. and/or other countries. Microsoft, Windows, BitLocker, , and Cortana are trademarks of the Microsoft group of companies. Dolby Audio is a trademark of Dolby Laboratories Licensing Corporation. The terms HDMI and HDMI High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. USB4® and USB-C® are registered trademarks of USB Implementers Forum. Wi-Fi and Miracast are registered trademarks of Wi-Fi Alliance. All other trademarks are the property of their respective owners.

Lenovo