

User Guide



Yoga 9i (14", 7)

Read this first

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

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

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Contents

About this guide iii

Chapter 1. Meet your computer 1

Front	1
Base	2
Left	3
Right	4
Bottom	5
Features and specifications	6
Statement on USB transfer rate	7
Operating environment	7
Laser safety for the ToF sensor	8

Chapter 2. Get started with your computer 9

Work with Windows	9
Windows help information	10
Lenovo Vantage and Lenovo PC Manager	10
The Novo Button menu	10
Open the Novo Button menu	11
Yoga modes	11
Interact with your computer	13
Keyboard hotkeys	13
Touch operations supported by Windows	14
Use a pen	16
Lenovo Precision Pen 2 (for selected models)	16
Lenovo E-Color Pen (for selected models).	17

Chapter 3. Explore your computer 21

Intelligent features	21
Customize intelligent features in Lenovo Vantage	21
Zero touch	21
Manage power	22

Check the battery status	22
Charge the battery	22
Set power button behavior.	22
A power plan	22
Set performance mode	23
Change settings in UEFI/BIOS setup utility	23
What is UEFI/BIOS setup utility	23
Open the UEFI/BIOS setup utility	23
Select boot devices	23
Change hotkey mode.	23
Enable or disable always-on	24
Enable or disable Flip to Boot	24
Set passwords in UEFI/BIOS setup utility	24
Password types	24
Set administrator password	24
Change or remove administrator password	25
Set user password	25
Enable power-on password	25
Set hard disk password	26
Change or remove hard disk password	26

Chapter 4. Help and support 27

Frequently asked questions	27
Self-help resources	27
What is a CRU?	28
CRUs for your product model	29
Call Lenovo	30
Before you contact Lenovo	30
Lenovo Customer Support Center	30
Purchase additional services.	31

Appendix A. Notices and trademarks 33

About this guide

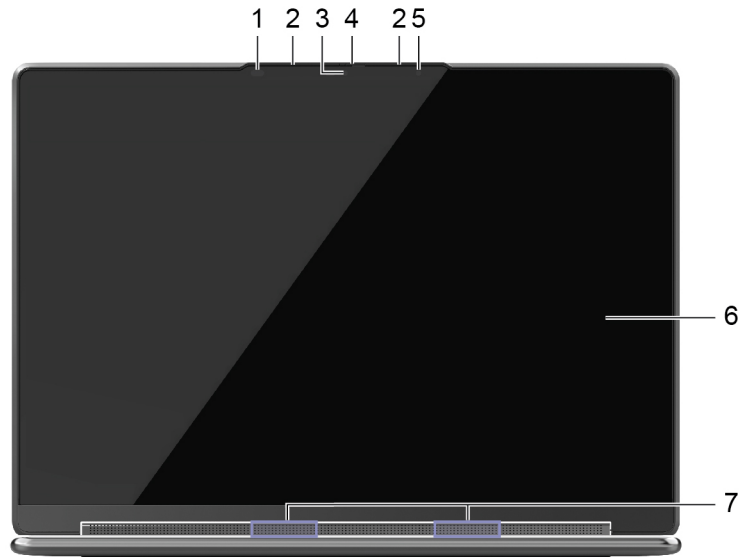
- This guide applies to Lenovo product model(s) listed below. Illustrations in this guide may look slightly different from your product model.

Model name	Machine type (MT)
Yoga 9 14IAP7	82LU

- For further compliance information, refer to the *Generic Safety and Compliance Notices* at https://pcsupport.lenovo.com/docs/generic_notices.
- This guide may contain information about accessories, features, and software that are not available on all models.
- This guide contains instructions that are based on the Windows operating system. These instructions are not applicable if you install and use other operating systems.
- Microsoft® makes periodic feature changes to the Windows® operating system through Windows Update. As a result, the operating system related instructions may become outdated. Refer to Microsoft resources for the latest information.
- The content of the guide is subject to change without notice. To obtain the latest version, go to <https://support.lenovo.com>.

Chapter 1. Meet your computer

Front



1. Time of flight (ToF) sensor	Detect human presence in front of the computer for facilitating zero touch and other convenient features.
2. Microphones	Capture or record sound and voice.
3. Camera	Capture still and moving images for taking photos, recording videos, and video chatting.
4. Camera switch	Turn the camera on or off.
5. Ambient light sensor (ALS)	Detect the surrounding light intensity and adjust the brightness of the keyboard backlight accordingly.
6. Screen	Display text, graphics, and videos. Selected models support multi-touch function.
7. Speakers	Produce sound.

Base



1. Wireless antennas

Send and receive radio waves for the built-in wireless LAN (local area network) and Bluetooth module.

Notes:

- The antennas are not visible from the outside of the computer.
- If the location of the antennas is close to the user's body (< 20 cm), you can find the Specific Absorption Rate (SAR) values in the Setup Guide that comes with your computer.

2. Keyboard

Enter characters and interact with programs.

Note: The keyboard also includes hotkeys and function keys for changing settings and performing tasks quickly.

3. Fingerprint reader

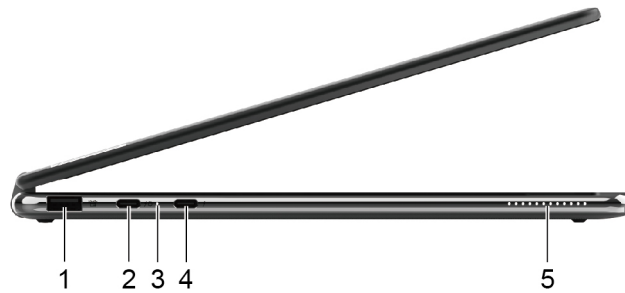
Enroll and read your fingerprint for user authentication.

4. Touchpad

Perform finger touch and all the functions of a traditional mouse.

Note: The touchpad also supports multi-touch function.

Left



1. USB (3.2 Gen 2) Type-A connector (always-on)

The always-on connector can charge external devices when the computer is turned off, in sleep or hibernation mode. The always-on function can be turned on or off in the UEFI/BIOS setup utility.

Note: If Lenovo Vantage is pre-installed on your computer, you can also set always-on function from within that software.

2. Power connector/Thunderbolt™ 4 connector

- Plug the ac power adapter into the Thunderbolt 4 connector to provide power to the computer and charge the internal battery.
- Connect external display, storage, or data devices.

Note: An appropriate adapter may be needed for connecting external devices.

3. Charging light

Indicate whether the computer is connected to ac power.

- Solid white: connected to ac power; battery capacity 91%–100%
- Solid amber: connected to ac power; battery capacity 1%–90%
- Off: not connected to ac power

4. Thunderbolt 4 connector

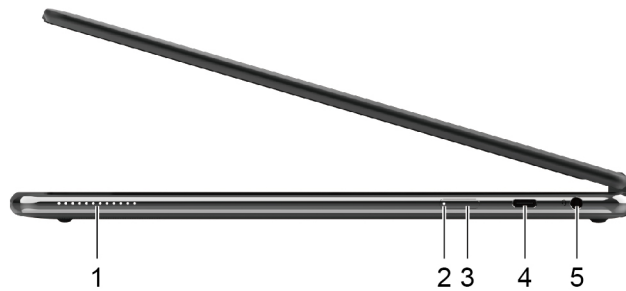
- Plug the ac power adapter into the Thunderbolt 4 connector to provide power to the computer and charge the internal battery.
- Connect external display, storage, or data devices.

Note: An appropriate adapter may be needed for connecting external devices.

5. Speaker

Produce sound.

Right



1. Speaker	Produce sound.
2. Power light	Indicate whether the computer is connected to ac power. <ul style="list-style-type: none">• Solid white: connected to ac power; battery capacity 21%–100%• Blinking white: connected to ac power; battery capacity 1%–20%• Off: not connected to ac power
3. Power button	Press the button to turn on the computer or put the computer into sleep mode.
4. USB-C® connector	<ul style="list-style-type: none">• Plug the ac power adapter into the USB-C connector to provide power to the computer and charge the internal battery.• Connect external display, storage, or data devices. <p>Note: An appropriate adapter may be needed for connecting external devices.</p>
5. Combo audio jack	Connect headphones or headsets with a 3.5 mm (0.14 inch), 4-pole plug. <p>Note: This jack does not support standalone external microphones. If you use headsets, choose one with a single plug.</p>

Bottom



1. Novo button hole

Press the Novo button to open the **Novo Button** menu. From the menu, you can choose to open the UEFI/BIOS setup utility, the Boot menu, or the Windows startup options screen.

2. Speakers

Produce sound.

Features and specifications

Dimensions	<ul style="list-style-type: none">• Width: 318 mm (12.5 inches)• Depth: 230 mm (9.1 inches)• Thickness<ul style="list-style-type: none">– Thinnest: 15.25 mm (0.6 inches)– Thickest: 16.5 mm (0.7 inches)
ac power adapter	<ul style="list-style-type: none">• Input: 100 V ac–240 V ac, 50 Hz–60 Hz• Output: 20 V dc, 3.25 A/5 A• Power: 65 W/100 W
Battery pack	<ul style="list-style-type: none">• Capacity: 75 Wh• Number of cells: 4 <p>Note: The battery capacity 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).</p>
Microprocessor	To view the microprocessor information of your computer, type system information in the Windows search box and then press Enter.
Memory	<ul style="list-style-type: none">• Type: On board low power double data rate 5 (LPDDR5)• Number of physical slots: 0
Secondary storage device	<ul style="list-style-type: none">• Type: Solid-state drive• Form factor: M.2 (2242/2280)• Bus: PCI Express
Screen	<ul style="list-style-type: none">• Size: 14 inches• Display resolution<ul style="list-style-type: none">– 1920 × 1200 pixels (FHD model)– 3840 × 2400 pixels (UHD model)– 2880 × 1800 pixels (2.8K model)
Keyboard	<ul style="list-style-type: none">• Function keys• Hotkeys• Keyboard backlight

Connectors and slots

- Combo audio jack
- USB (3.2 Gen 2) Type-A connector (with always-on function)
 - Power output up to 5 V and 1.5 A
- USB-C connector (full-function)
 - Power input up to 65 W/100 W using the included power adapter
 - Power output up to 5 V and 3 A
 - USB data transfer rate up to 10 Gbps for USB 3.2 Gen 2
 - DisplayPort 1.4. Supports maximum output resolution of 5120 × 3200, at 60 Hz frame rate and color depth of 24 bpp (bits per pixel).
 - Up to 40 Gbps bi-directional data transfer rate in Thunderbolt mode.
- Thunderbolt 4 connector × 2
 - Power input up to 65 W/100 W using the included power adapter
 - Power output up to 5 V and 3 A
 - USB data transfer rate up to 10 Gbps for USB 3.2 Gen 2
 - DisplayPort 1.4. Supports maximum output resolution of 5120 × 3200, at 60 Hz frame rate and color depth of 24 bpp (bits per pixel).
 - Up to 40 Gbps bi-directional data transfer rate in Thunderbolt mode.

Note: If the 65 W adapter or battery pack is used for power supply, and one USB-C connector is in use and provides power output up to 5 V and 3 A, the maximum power output of the other USB-C connector is 5 V and 0.9 A.

Security

- Fingerprint reader
 - UEFI/BIOS passwords
 - Administrator password
 - User password
 - Master hard disk password
 - User hard disk password
-

Network

- Bluetooth
 - Wireless LAN
-

Statement on USB transfer rate

Depending on many factors such as the processing capability of the host and peripheral devices, file attributes, and other factors related to system configuration and operating environments, the actual transfer rate using the various USB connectors on this device will vary and will be slower than the data rate listed below for each corresponding device.

USB device	Data rate (Gbit/s)
3.2 Gen 1	5
3.2 Gen 2	10

Operating environment

Maximum altitude (without pressurization)

3048 m (10 000 ft)

Temperature

- At altitudes up to 2438 m (8000 ft)
 - Operating: 5°C to 35°C (41°F to 95°F)
 - Storage: 5°C to 43°C (41°F to 109°F)
- At altitudes above 2438 m (8000 ft)
 - Maximum temperature when operating under the unpressurized condition: 31.3°C (88°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)

Laser safety for the ToF sensor



This device is classified as a Class 1 laser product per *EN/IEC 60825-1:2014*. This device complies with 21 CFR 1040.10 and 1040.11 except for conformance with *IEC 60825-1 Ed. 3.*, as described in *Laser Notice No. 56*, dated May 8, 2019.

CAUTION:

This device contains a laser that could be damaged during repair or disassembly, which could result in hazardous exposure to infrared laser emissions. There are no user serviceable parts with the device. Do not attempt to disassemble or service the device.

Chapter 2. Get started with your computer

Work with Windows


The following table contains Windows frequently used settings. You can learn the basics and start working with Windows right away.

To configure settings, type the corresponding keywords in the Windows search box and select the best match. Follow the on-screen instructions to customize settings.

Table 1. Basic settings

Functions	Descriptions	Search by keywords
Control Panel	View or change Windows settings, including hardware and software setup and configuration.	Control Panel
Connect to Wi-Fi networks	For models with a wireless LAN module, you can connect your computer to a Wi-Fi® network. Click the network icon in the Windows notification area, and then select a network for connection. Note: The wireless LAN module on your computer may support different standards. For some countries or regions, use of 802.11ax may be disabled according to local regulations.	Wi-Fi
Connect to wired networks	For models with an Ethernet (RJ-45) connector, you can use an Ethernet cable to connect your computer to a wired network.	—
Airplane mode	Airplane mode is a convenient setting to turn all wireless communications of your computer on and off. You may need to turn it on when boarding an airplane.	Airplane mode
Night light mode	Night light is a switch in Windows that you can turn on and off. When it is turned on, your screen shows warmer colors and the amount of emitted blue light is reduced. Enabling night light reduces the chances of developing eye fatigue or eye strain.	Night light
Adjust color temperature	If night light mode is turned on, you can adjust the color temperature of the screen. Note: Selected Lenovo computers are low blue light certified. These computers are tested with night light turned on and color temperature set to the default value of 48.	Night light
Windows Updates	Microsoft periodically releases feature and security updates to the Windows operating system. Updates that are applicable to your Windows version are downloaded automatically when your computer is connected to the Internet. When updates are downloaded, you are prompted to restart the computer to install these updates. You can also manually check if there are available updates for the installed version of Windows. Attention: Only use Windows Update to download and install updates. Updates downloaded from other sources may include security risks.	Windows Updates

Table 2. Optional settings

Functions	Descriptions	Search by keywords
Enroll your fingerprint	For models with a fingerprint reader, you can enroll your fingerprint for Windows sign-in.	Sign-in options
Touch keyboard	In stand, tent, or tablet mode, the physical keyboard of your computer is disabled to prevent inadvertent typing. In these three modes, Windows touch keyboard is automatically displayed when text input is required. If not, select the touch keyboard icon () in the Windows notification area.	Touch keyboard
Tablet mode	Windows provides a tablet mode that makes touch operations more user-friendly. When rotating your computer screen to switch to tablet, stand, or tent mode, you will be prompted to switch to Windows tablet mode. You can also select the tablet mode icon in the Windows notification area to turn on or off Windows tablet mode manually.	Tablet mode
Screen rotation lock	In stand, tent, or tablet mode, auto rotation is turned on so that the orientation of the screen changes based on how you place or hold the computer. To keep the screen in a fixed orientation, you can select the rotation lock icon in the Windows notification area to turn on rotation lock. Note: Rotation lock is disabled in notebook mode.	—

Windows help information

If the on-screen instructions cannot solve your problem, refer to the following to get the online Windows help information.

- Type Get Help or Tips in the Windows search box and then press Enter. When the app opens, type the problem description and select the matched result.
- Visit Microsoft support Web site: <https://support.microsoft.com>. Enter what you are looking for in the search box and get search results.

Lenovo Vantage and Lenovo PC Manager

They are both apps developed by Lenovo. Using either of them, you can:

- View product information and system status
- Manage and change device settings
- Check for and perform system update

Note: This feature is only available on Lenovo Vantage. In Lenovo PC Manager, you can check for and perform driver update.

Depending on the country or region in which your computer is purchased, one of the apps may be pre-installed on your computer. To open it, type its name in the Windows Search box and select the matched result. If neither of the apps is pre-installed, you may install one on your own. Lenovo Vantage is available for download free of charge from the Microsoft Store.

Note: App features are subject to change with updates and specific features may not be available on all Lenovo products.

The Novo Button menu

The Novo Button menu can be displayed before the operating system starts. From the menu, you can choose to

- Open the BIOS/UEFI setup utility
- Open the boot device selection menu
- Open the UEFI Diagnostics
- Open the Windows startup options screen

Note: From the Windows startup options screen, you can then choose to

Start your computer using a recovery drive

Reset your computer

Open advanced options screen

Open the Novo Button menu

For Lenovo computers with a Novo button, you can press the button to open the Novo Button menu.

Step 1. Turn off the computer.

Step 2. Open the LCD screen and press the Novo button.

Note: Alternatively, turn off the computer. Press Fn and the power button to open the Novo Button menu.

Yoga modes

The screen of your computer can open up to an angle of 360 degrees, enabling you to use your computer for different purposes.

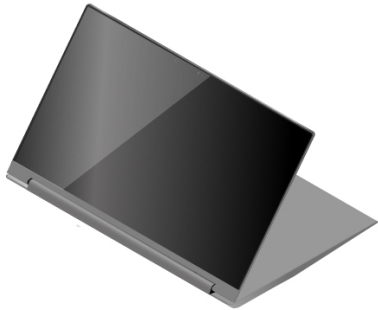
Mode

Notebook mode

**Suitable for**

- Entering text
- Drag and drop operations using the touchpad

Stand mode



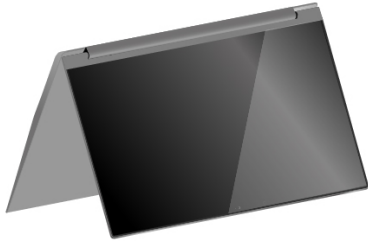
- Giving a presentation
- Viewing a slide show

Mode

Tent mode

Suitable for

Watching movies



Tablet mode

Playing touch-enabled games





















Note: Product illustrations in this section are used to demonstrate features that are supported by a range of Lenovo products. It is normal that they may look different from your product model.

Interact with your computer

Keyboard hotkeys

Some keys on the keyboard are printed with icons. These keys are called hotkeys and can be pressed alone or in combination with the Fn key to open certain apps or change certain settings quickly. The functions of the hotkeys are symbolized by the icons printed on them.

Hotkey	Function
	Mute/Unmute sound.
	Decrease/Increase system volume.
	Mute/Unmute the microphone.
	Increase/Decrease screen brightness.

Hotkey	Function
	Switch display devices.
	Turn airplane mode on and off.
	Open the corresponding service website.
	Open the Windows Settings app.
	Lock the screen.
	Open the Windows Calculator app.
	Display an app launcher for quick access to Lenovo apps and services. Note: For some models, you may need to connect to the Internet and complete system update for this function to take effect.
	Open the Windows snipping tool.
	Turn on/off or adjust the brightness of the keyboard backlight. Note: This hotkey must be used with the Fn key.
	Switch performance modes.
	Initiate background blur effect during a video call.
	Switch audio modes.
	Switch the color mode used by Windows and apps between Dark Mode and Light Mode.
	Enroll and read your fingerprint for user authentication.

Hotkey mode

Some hotkeys share keys with function keys (F1 to F12). The hotkey mode is a UEFI/BIOS setting that changes how hotkeys (or function keys) are used.

Hotkey mode setting	How to use hotkeys	How to use function keys
Disabled	Hold down the Fn key and press one of the hotkeys.	Press the function keys directly.
Enabled	Press the hotkeys directly.	Hold down the Fn key and press one of the function keys.

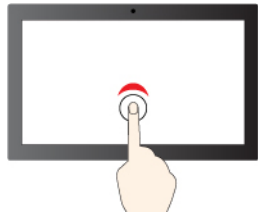
Note: Hotkeys that do not share keys with function keys are not affected by the hotkey mode setting. They should always be used with the Fn key.

Touch operations supported by Windows

For computers with a touch-enabled screen, you can touch the screen directly with your fingers and interact with your computer in a more natural way. The following table lists frequently used touch operations that are supported by the Windows operating system.

Touch operation

Used for



Tap

Opening apps, documents, and other functions on the taskbar or the Start menu



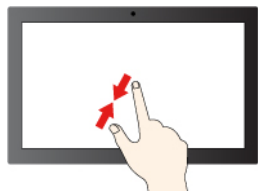
Tap twice quickly

Opening apps that are pinned on the desktop



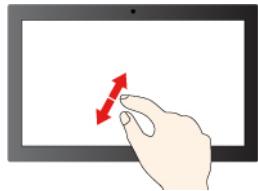
Tap, hold and lift

Opening the context menu



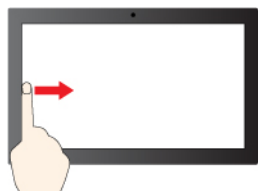
Pinch

Zooming out



Spread

Zooming in

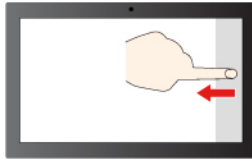


Swipe in from the left edge

Opening the widgets panel

Touch operation

Used for



Opening the notification center

Swipe in from the right edge

The Windows operating system also supports 3- and 4-finger gestures on the screen and the touchpad. You can set them up in **Settings** → **Bluetooth & devices**.

Use a pen

Depending on the model, your computer might come with a pen. The pen enables you to write and draw in a natural manner.

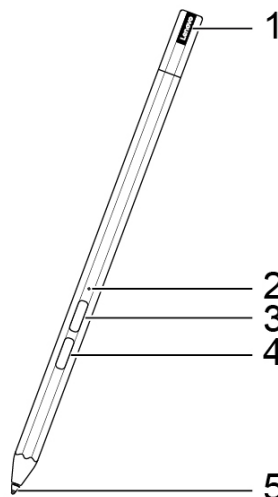
You can view or change functions of pen buttons in the **Lenovo Pen Settings**. For more information, refer to the *User Guide* of the software.

Notes:

- The pen is not waterproof. Take care not to drop the pen in water.
- The pen contains pressure sensors. Do not push the tip of the pen for an extended period of time. Do not subject the pen to shock or vibration.
- The default function of each pen button might vary in different apps.
- The **Lenovo Pen Settings** may be pre-installed on your computer. To open it, enter the software name in Windows Search and select the matched result. If the software is not pre-installed, you can download and install the latest drivers from <https://support.lenovo.com>.

Lenovo Precision Pen 2 (for selected models)

The Lenovo Precision Pen 2 referred to as the pen in this section.



1. Pen cap

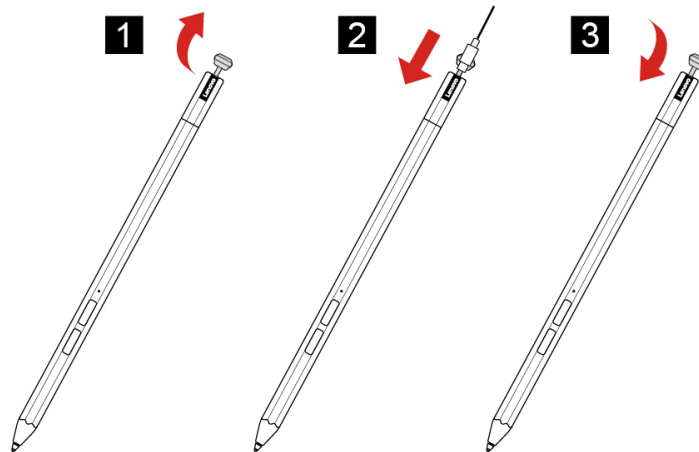
2. Indicator LED

3. Upper button

4. Lower button

5. Tip

Charge the pen



Step 1. Remove the pen cap in the direction shown in the figure.

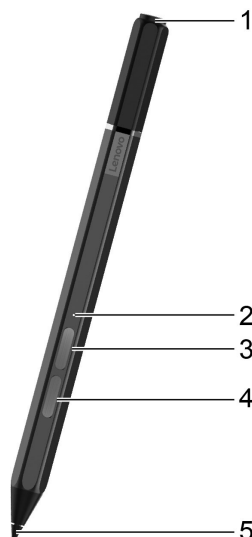
Step 2. Connect the pen to a charger with a USB-C cable.

Step 3. Disconnect the charger cable. Place the pen cap back in the direction shown in the figure.

Note: When you charge the pen, the indicator LED turns amber. When the pen is fully charged, the indicator LED automatically goes out.

Lenovo E-Color Pen (for selected models)

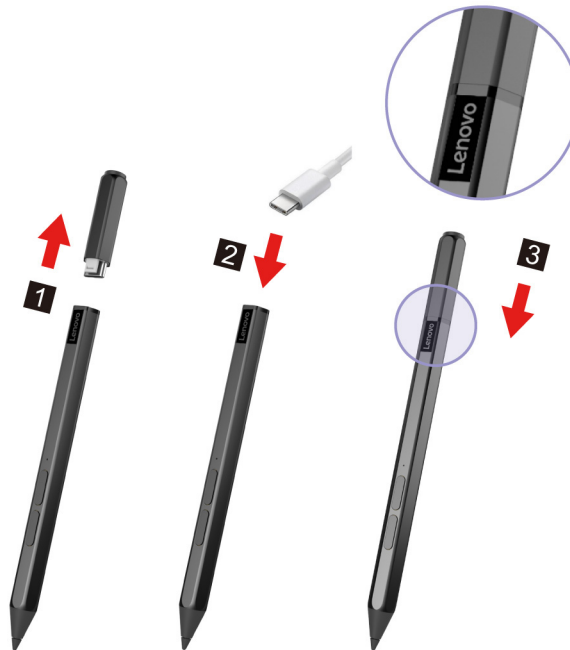
The Lenovo E-Color Pen referred to as the pen in this section.



1. Top pen button	Hold the button for at least three seconds to enable Bluetooth pairing on the pen. Note: Lenovo E-Color Pen supports swift pair. The pen is discoverable as <i>Lenovo E-Color Pen</i> .
2. Pen status light	<ul style="list-style-type: none"> • Continuously blinking white (up to 40 seconds): Pairing • Fast blinking white (5 times): Paired • Solid amber: The pen is charging. • Blinking amber: Battery power is low. • Off: The pen is turned off or connected to a computer.
3. Top barrel button	To right-click, hold the button and tap the screen in supported applications.
4. Bottom barrel button	To erase text or drawings, hold the button to erase the object in supported applications.
5. Pen tip	To click, tap on the screen with the tip. To double-click, tap twice.

Charge the pen

To charge the pen, connect the pen to a 5 V charger with a USB-C cable.



Pen operating mode

The pen supports two operating modes: Windows mode (default mode) and Color mode. After connecting with Bluetooth, you can set the operating modes in the **Lenovo Pen Settings**.

- Windows mode:
 - Write or draw on the touch screen.
 - View or change functions of the top pen button and two barrel buttons in the **Lenovo Pen Settings**.
- Color mode:
 - Write or draw on the touch screen.
 - View or change functions of the two barrel buttons in the **Lenovo Pen Settings**.
 - The top pen button only supports color capture function.

1. Push the top pen button on a select flat surface until you hear a click.
2. The pen will capture the color information of the surface and then send the information to **ColorKing** software through Bluetooth.
3. Check the color information on **ColorKing**.
4. Use the color on other graphics software through **ColorKing**. For more information, please follow the instructions in the graphics software.

Note: Depending on the software, select software may not support this function.

Note: The **ColorKing** may be pre-installed on your computer. To open it, enter the software name in Windows Search and select the matched result. If the software is not pre-installed, you can download and install the latest drivers from <https://support.lenovo.com>.

Chapter 3. Explore your computer

Intelligent features

Some Lenovo computers include a ToF sensor and an IR camera on top of the screen. Using data provided by the ToF sensor and IR camera, the computer is able to behave like a human. It can detect your presence, your movement, and perform operations automatically to protect your privacy, save battery power, or just make your daily use of the computer easier. The following table provides an introduction to some of the intelligent features and where you can set them up.

Table 3. Intelligent features

Your behavior	Computer operation	Setup app
Leave the computer	<ul style="list-style-type: none">• Pause the ongoing video playback.• (If you do not come back shortly) Automatically lock the screen and put the computer into sleep mode. <p>Note: Not all applications support automatic video pausing and resuming. In particular, videos played in a Web browser cannot be automatically paused.</p>	Lenovo Vantage or Lenovo Smart Engine
Come back to the computer after leaving it unattended for a while	Automatically wake up the computer and sign you into the system. <p>Note: You must use Windows Hello to set up face recognition before you can be signed in automatically. Face sign-in may fail due to poor domestic lighting or improper setting of the screen opening angle. Improve lighting, adjust the screen opening angle, or use another sign-in option if you're not signed in automatically.</p>	Lenovo Vantage or Lenovo Smart Engine

Note: Your computer may be pre-installed with either Lenovo Vantage or Lenovo Smart Engine but not both. The above listed features may not be enabled by default. You may need to enable these features in the corresponding setup app.

Customize intelligent features in Lenovo Vantage

You can enable or disable and customize many intelligent features in Lenovo Vantage.

- Step 1. Open Lenovo Vantage.
- Step 2. Select **Devices** → **Smart assist**.
- Step 3. Change settings that control the various intelligent features.



Zero touch

Zero touch enables you to improve work efficiency by automatically waking up and logging in to your computer, or dimming the display and locking the computer depending on user detection. For selected video players, this feature will pause any video playing when you leave the computer and resume upon your return. Zero touch can be enabled or disabled in Lenovo Vantage or Lenovo Smart Engine. This feature works in all Yoga modes.

Manage power

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

Check the battery status

The battery status icon  or  is in the Windows notification area. You can check the battery status, view the current power plan, and access battery settings quickly.

Click the battery status icon to display the percentage of battery power remaining and change the power mode. A warning message is displayed when the battery is low.

Charge the battery

When the remaining battery power is low, charge your battery by connecting your computer to ac power.

The battery is fully charged in about two to four hours. The actual charging time depends on the battery capacity, 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:

You can check the battery temperature in Lenovo Vantage or Lenovo PC Manager.

To maximize the life of the battery, once the battery is fully charged, it must discharge to 94% or lower before it will be allowed to recharge again.

To extend your battery's lifespan, the battery may optimize its full charge capacity based on your usage. After prolonged periods of limited use, full battery capacity may not be available until you discharge to as low as 20% and recharge completely. For more information, refer to the power section of Lenovo Vantage.

Set power button behavior

By default, pressing the power button puts the computer to sleep mode. However, you can change the power button behavior in Windows Control Panel.

Step 1. Type Control Panel in the Windows search box and then press Enter. Open the control panel and view by large or small icons.

Step 2. Select the power options and then click choose what the power button does.

A power plan

A power plan is a collection of power-saving settings made available by an operating system. With a power plan, you can set idle time-outs for different hardware components to enter a low-power state. The default power plan and some of its idle time-out settings are listed below for computer models pre-installed with Windows.

The listed settings are active when the computer is connected to an electrical outlet. If your computer include a built-in battery pack, a different collection of time-out settings is set to take effect when the computer is operating on battery power.

- Default power plan: Balanced
- Turn off the display: after 10 minutes

- Put the computer to sleep: after 10 minutes

Note: To wake the computer from the sleep state, press the power button or any key on the keyboard.

Change or customize a power plan

This operation is applicable to computers with pre-installed Windows.

Step 1. Type power plan in the Windows search box and then press Enter.

Step 2. Customize a power plan of your preference.

Set performance mode

Your computer can work in different performance modes. The performance and power consumption of the computer vary in different performance modes. Press **Fn + Q** to cycle through different performance modes.

Change settings in UEFI/BIOS setup utility

This section introduces what is UEFI/BIOS and the operations you can perform in its setup utility.

What is UEFI/BIOS setup utility

UEFI/BIOS is the first program that runs when a computer starts. UEFI/BIOS initializes hardware components and loads the operating system and other programs. Your computer may include a setup program (setup utility) with which you can change certain UEFI/BIOS settings.

Open the UEFI/BIOS setup utility

Step 1. Turn on or restart the computer.

Step 2. When the Lenovo logo appears on the screen, press F2 repeatedly.

Note: For computers with hotkey mode enabled, press Fn + F2.

Select boot devices

Normally, the computer starts to a boot manager loaded from the secondary storage device of the computer. Occasionally, you may need to start the computer to a program or boot manager loaded from another device or a network location. After the system firmware initializes all devices, you can press an interruption key to display the boot menu and select a desired boot device.

Step 1. Turn on or restart the computer.

Step 2. Press F12.

Step 3. From the boot device menu, select a boot device to start the computer.

You can make a permanent change on boot devices in the UEFI/BIOS setup utility. Select the **Boot** menu; in the **EFI** section, select the desired boot device and move it to the top of the device list. Save changes and exit the setup utility for the change to take effect.

Change hotkey mode

Step 1. Open the UEFI/BIOS setup utility.

Step 2. Select **Configuration** → **Hotkey Mode** and press Enter.

Step 3. Change the setting to **Disabled** or **Enabled**.

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

Enable or disable always-on

For some Lenovo computers with always-on connectors, the always-on function can be enabled or disabled in the UEFI/BIOS setup utility.

- Step 1. Open the UEFI/BIOS setup utility.
- Step 2. Select **Configuration** → **Always On USB** and press Enter.
- Step 3. Change the setting to **Disabled** or **Enabled**.
- Step 4. Select **Exit** → **Exit Saving Changes**.

Enable or disable Flip to Boot

When Flip to Boot is enabled, you can turn on the computer by flipping open the screen.

- Step 1. Open the UEFI/BIOS setup utility.
- Step 2. Select **Configuration**.
- Step 3. Change the setting for **Flip to Boot**.

Note: You may also set Flip to Boot in Lenovo Vantage or Lenovo Smart Engine.

Set passwords in UEFI/BIOS setup utility

This section introduces the types of passwords that you can set in the UEFI (Unified Extensible Firmware Interface) or BIOS (Basic Input/Output System) setup utility.

Password types

You can set various types of passwords in the UEFI/BIOS setup utility.

Password type	Pre-requisite	Usage
Administrator password	No	You must enter it to start the setup utility.
User password	The administrator password must be set.	You can use the user password to start the setup utility.
Master hard disk password	No	You must enter it to start the operating system.
User hard disk password	The master hard disk password must be set.	You can use the user hard disk password to start the operating system.

Notes:

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

Set administrator password

You set the administrator password to prevent unauthorized access to the UEFI/BIOS setup utility.

Attention: If you forget the administrator 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. Open the UEFI/BIOS setup utility.
- Step 2. Select **Security → Set Administrator 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 start the computer, you must enter the administrator password to open the setup utility. If **Power on Password** is enabled, you must enter the administrator password or the user password to start the computer.

Change or remove administrator password

Only the administrator can change or remove the administrator password.

- Step 1. Open the UEFI/BIOS setup utility using the administrator password.
- Step 2. Select **Security → Set Administrator Password** and press Enter.
- Step 3. Enter the current password.
- Step 4. In the **Enter New Password** text box, enter the new password.
- Step 5. In the **Confirm New Password** text box, enter the new password again.

Note: If you want to remove the password, press Enter in both text boxes without entering any character.

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

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

Set user password

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

The administrator of the setup utility might need to set a user password for use by others.

- Step 1. Open the UEFI/BIOS setup utility using the administrator password.
- 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. The user password must be different from the administrator password.
- Step 4. Enter the password again and press Enter.
- Step 5. Select **Exit → Exit Saving Changes**.

Enable power-on password

If the administrator password has been set, you can enable power-on password to enforce greater security.

- Step 1. Open the UEFI/BIOS setup utility.
- Step 2. Select **Security → Power on Password** and press Enter.
Note: The administrator password must be set in advance.
- Step 3. Change the setting to **Enabled**.
- Step 4. Select **Exit → Exit Saving Changes**.

If power-on password is enabled, a prompt appears on the screen every time you turn on the computer. You must enter the administrator or user password to start the computer.

Set hard disk password

You can set a hard disk password in the setup utility to prevent unauthorized access to your data.

Attention: Be extremely careful when setting a hard disk password. If you forget the 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.

- Step 1. Open the UEFI/BIOS setup utility.
- Step 2. Select **Security** → **Set Hard Disk Password** and press Enter.

Note: If you start the setup utility using the user password, you cannot set hard disk password.

- Step 3. Follow on-screen instructions to set both master and user passwords.

Note: The master and user hard disk passwords must be set at the same time.

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

If the hard disk password is set, you must provide the correct password to start the operating system.

Change or remove hard disk password

- Step 1. Open the UEFI/BIOS setup utility.
- Step 2. Select **Security**.
- Step 3. Change or remove the hard disk password.

To change or remove master password, select **Change Master Password** and press Enter.

Note: If you remove the master hard disk password, the user hard disk password is also removed.

To change user password, select **Change User Password** and press Enter.

Note: The user hard disk password cannot be removed separately.

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

Chapter 4. Help and support

Frequently asked questions

How do I partition my storage drive?	Refer to https://support.lenovo.com/solutions/ht503851
What should I do if my computer stops responding.	Press and hold the power button until the computer turns off. Then restart the computer. 1. Carefully unplug the ac power adapter and turn off the computer immediately. The more quickly you stop the current from passing through the computer the more likely you will reduce damage from short circuits. Attention: Although you might lose some data or work by turning off the computer immediately, leaving the computer on might make your computer unusable. 2. Wait until you are certain that all the liquid is dry before turning on your computer. CAUTION: Do not try to drain out the liquid by turning over the computer. If your computer has keyboard drainage holes on the bottom, the liquid will be drained out through the holes.
What should I do if I spill liquid on the computer?	
Where can I get the latest device drivers and UEFI/BIOS?	<ul style="list-style-type: none">• Lenovo Vantage or Lenovo PC Manager• Lenovo Support Web site at https://support.lenovo.com

Self-help resources

Use the following self-help resources to learn more about the computer and troubleshoot problems.

Resources	How to access?
Troubleshooting and frequently asked questions	<ul style="list-style-type: none">• https://www.lenovo.com/tips• https://forums.lenovo.com
Accessibility information	https://www.lenovo.com/accessibility
Reset or restore Windows	<ul style="list-style-type: none">• Use Lenovo recovery options.<ol style="list-style-type: none">1. Go to https://support.lenovo.com/HowToCreateLenovoRecovery.2. Follow the on-screen instructions.• Use Windows recovery options.<ol style="list-style-type: none">1. Go to https://pcsupport.lenovo.com.2. Detect your computer or manually select your computer model.3. Click Diagnostics → Operating System Diagnostics and then follow the on-screen instructions.

Resources	How to access?
<p>Use Lenovo Vantage or PC Manager to:</p> <ul style="list-style-type: none"> • Download and install the latest drivers and firmware. • Configure hardware settings • Diagnose computer hardware problems. • Check the computer warranty status. 	Use Windows Search.
<p>Product documentation:</p> <ul style="list-style-type: none"> • Generic Safety and Compliance Notices • <i>Safety and Warranty Guide</i> • <i>Setup Guide</i> • <i>This User Guide</i> • <i>Regulatory Notice</i> 	<ol style="list-style-type: none"> 1. Go to https://support.lenovo.com. 2. Detect your computer or select computer model manually. 3. Select Documentation and filter out the documentation you want.
<p>Lenovo Support Web site with the latest support information of the following:</p> <ul style="list-style-type: none"> • Drivers and software • Diagnostic solutions • Product and service warranty • Product and parts details • Knowledge base and frequently asked questions 	Visit https://support.lenovo.com
Windows help information	<ul style="list-style-type: none"> • Use Get Help or Tips. • Use Windows Search or the Cortana® personal assistant. • Go to Microsoft support Web site: https://support.microsoft.com

What is a CRU?

Customer replaceable units (CRUs) are parts that can be upgraded or replaced by the customer. A Lenovo computer may contain the following types of CRUs:

Self-service CRU

Parts that can be installed or replaced easily by customer themselves or by trained service technicians at an additional cost.

Optional-service CRU

Parts that can be installed or replaced by customers with a greater skill level. Trained service technicians can also provide service to install or replace the parts under the type of warranty designated for the customer's machine.

If you intend to install a CRU, Lenovo will ship the CRU to you. 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* at https://www.lenovo.com/warranty/llw_02.

CRUs for your product model

The table below lists the CRUs and CRU types that are defined for your product model.

Part	Self-service CRU	Optional-service CRU
Power cord	X	
ac power adapter	X	
Lenovo USB-C 3-in-1 Hub	X	
Lenovo Precision Pen 2*	X	
Lenovo E-Color Pen*	X	

* for selected models

Notes:

- CRU replacement instruction is provided in one or more of the following publications and are available from Lenovo at any time upon your request.
 - the product *User Guide*
 - the printed publications that came with the product
- Replacement of any parts not listed above, including the built-in rechargeable battery, must be done by a Lenovo-authorized repair facility or technician. Go to <https://support.lenovo.com/partnerlocation> for more information.

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

Record product information and problem details before you contact Lenovo.

Product information	Problem symptoms and details
<ul style="list-style-type: none">• Product name• Machine type and serial number	<ul style="list-style-type: none">• 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?

Note: The product name and serial number can usually be found on the bottom of the computer, either printed on a label or etched on the cover.

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>.

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, see “Warranty information” in the *Safety and Warranty Guide* that comes with your computer.

Purchase additional services

During and after the warranty period, you can purchase additional services from Lenovo at <https://pcsupport.lenovo.com/warrantyupgrade>.

Service availability and service name might vary by country or region.

Appendix A. Notices and trademarks

Notices

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