

User Guide

Lenovo
YOGA

Lenovo

Lenovo Yoga Mini

About this documentation

This documentation applies to the Lenovo product models listed below.

Model name	Machine types (MT)
Yoga Mini 01IPH11	91E6, 91E7

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

- *Safety and Warranty Guide*
- *Generic Safety and Compliance Notices*
 - For computers purchased in mainland China: https://iknow.lenovo.com.cn/detail/dc_191404.html
 - For computers purchased outside mainland China: https://pcsupport.lenovo.com/docs/generic_notices
- *Setup Guide (if provided with your computer)*

Notes:

- Illustrations in this documentation may look slightly different from your product model.
- For more compliance information, refer to:
 - For computers purchased in mainland China
Generic Safety and Compliance Notices at https://iknow.lenovo.com.cn/detail/dc_191404.html
 - For computers purchased outside mainland China
Regulatory Notice at https://support.lenovo.com/docs/common_consumer_dt_rn and *Generic Safety and Compliance Notices* at <https://www.lenovo.com/compliance>
- Depending on the model, some optional accessories, features, and software programs might not be available on your computer.
- Depending on the version of the operating systems and programs, some user interface instructions might not be applicable to your computer.
- Documentation content is subject to change without notice. Lenovo makes constant improvements to the documentation of your computer, including this *User Guide*. To get the latest documentation, go to:
 - For computers purchased in mainland China: <https://newsupport.lenovo.com.cn>
 - For computers purchased outside mainland China: <https://pcsupport.lenovo.com>
- Microsoft® makes periodic feature changes to the Windows® operating system through Windows Update. As a result, some information in this documentation might become outdated. Refer to Microsoft resources for the latest information.

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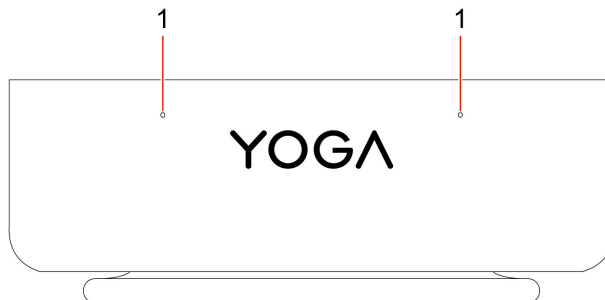
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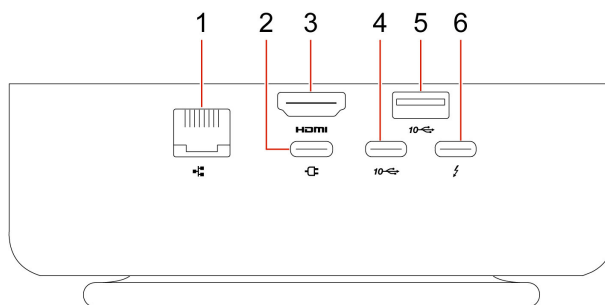
Chapter 1. Meet your computer

Front



Item	Description
1	Microphones

Rear



Item	Description	Item	Description
1	Ethernet connector (2.5Gbps)	2	USB-C® connector (USB 10Gbps) / Power cord connector
3	HDMI™ connector	4	USB-C connector (USB 10Gbps)
5	USB-A connector (USB 10Gbps)	6	USB-C connector (Thunderbolt 4)

Note: For more information about the USB connector name update, see Appendix A “Supplementary information” on page 34.

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 in the connector name or below for each corresponding device.

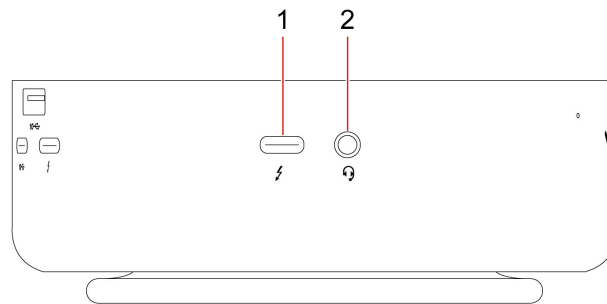
USB device	Data rate (Gbit/s)
Thunderbolt 3	40
Thunderbolt 4	40

Note: The actual resolution of external displays may vary by the connected display device and the cable being used.

Related topics

- “Connect an external display” on page 13.
- “USB specifications” on page 5.

Left

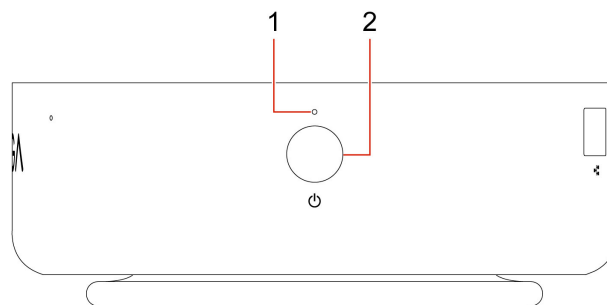


Item	Description	Item	Description
1	USB-C connector (Thunderbolt 4)	2	Combo audio jack

Related topics

- “USB specifications” on page 5.

Right



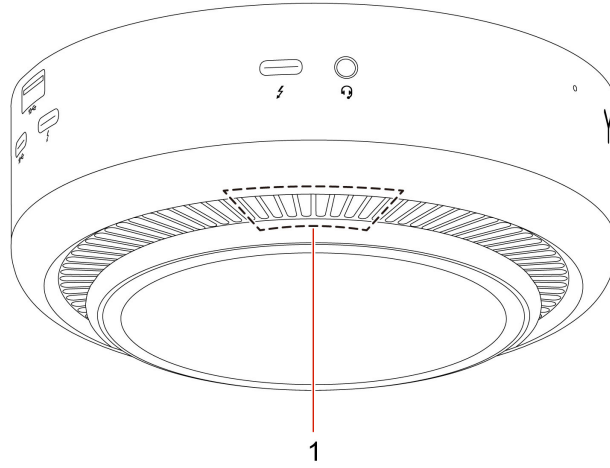
Item	Description	Item	Description
1	Power indicator	2	Power button with fingerprint reader

Power indicator

Show the system status of your computer.

- **On:** The computer is starting up or working.
- **Off:** The computer is off or in hibernation mode.
- **Blinking:** The computer is in sleep mode.

Bottom



Item	Description
1	Speaker

Specifications

Specification	Description
Dimensions	<ul style="list-style-type: none">• Width: 130 mm (5.1 inches)• Height: 48.6 mm (1.9 inches)• Depth: 130 mm (5.1 inches)
Weight (without packaging)	Maximum configuration as shipped: 0.6 kg (1.3 lb)
Hardware configuration	Type Device Manager in the Windows search box and then press Enter. Type the administrator password or provide confirmation, if prompted.
Power supply	100-watt automatic voltage-sensing power supply
Electrical input	<ul style="list-style-type: none">• Input voltage: From 100 V ac to 240 V ac• Input frequency: 50/60 Hz
Memory	Memory type: Low power double data rate 5x (LPDDR5x)
Storage device	M.2 solid-state drive To view the storage drive capacity of your computer, type Disk Management in the Windows search box and then press Enter. Note: The storage drive capacity indicated by the system is less than the nominal capacity.
Video features	The integrated graphics card supports the following connectors: <ul style="list-style-type: none">• HDMI out connector• USB-C connector (USB 10Gbps)• USB-C connector (Thunderbolt 4)
Expansion	M.2 solid-state drive slot
Network features	<ul style="list-style-type: none">• Bluetooth• Ethernet LAN• Wireless LAN

Operating environment

Maximum altitude (without pressurization)

- Operating: From 0 m (0 ft) to 3048 m (10 000 ft)
- Storage: From 0 m (0 ft) to 12192 m (40 000 ft)

Temperature

- Operating: From 5°C (41°F) to 35°C (95°F)
- Storage:
 - For common desktop computers: From -40°C (-40°F) to 60°C (140°F)
 - For all-in-one desktop computers: From -20°C (-4°F) to 60°C (140°F)

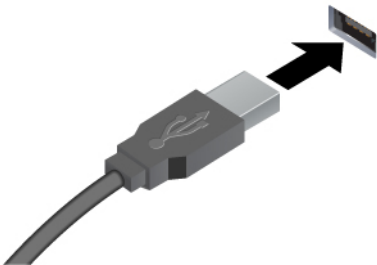

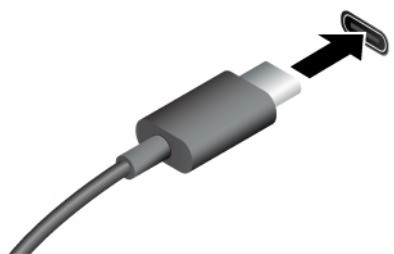

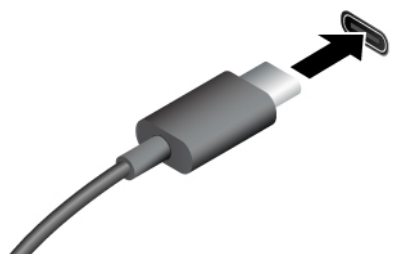

Relative humidity

- Operating: 20%-80% (non-condensing)

- Storage: 10%-90% (non-condensing)

USB specifications

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

Connector name	Description
 <ul style="list-style-type: none"> •  USB-A connector (USB 10Gbps) 	<p>Connect USB-A compatible devices, such as a USB-A keyboard, USB-A mouse, USB-A storage device, or USB-A printer.</p>
 <ul style="list-style-type: none"> •  USB-C connector (USB 10Gbps) 	<ul style="list-style-type: none"> • Charge USB-C compatible devices with the output voltage and current of 5 V and 0.9 A. • Connect to USB-C accessories to help expand your computer functionality. To purchase USB-C accessories, go to https://www.lenovo.com/accessories.
 <ul style="list-style-type: none"> •  USB-C connector (Thunderbolt 4) 	<ul style="list-style-type: none"> • Charge USB-C compatible devices with the output voltage and current of 5 V and 3 A. • Connect to USB-C accessories to help expand your computer functionality. To purchase USB-C accessories, go to https://www.lenovo.com/accessories.

The Vantage app

The 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 **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. You can download the latest version of Vantage app from Microsoft Store.

The Vantage app enables you to:

- Know the device status easily and customize device settings.
- Download and install UEFI BIOS, firmware, and driver 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.

Chapter 2. Get started with your computer

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 a device** list, and then follow the on-screen instructions.

Notes: If the Bluetooth connection failed, do the following:

1. Type **Device Manager** in the Windows search box and then press Enter.
2. Locate the Bluetooth adapter. Right-click and select **Update driver**.
3. Select **Search automatically for drivers**, 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.

Notes: If the Bluetooth connection failed, do the following:

1. Type **Device Manager** in the Windows search box and then press Enter.
2. Locate the Bluetooth adapter. Right-click and select **Update driver**.
3. Select **Search automatically for drivers**, and then follow the on-screen instructions.

Set the power plan

For ENERGY STAR® compliant computers, the following power plan takes effect when your computers have been idle for a specified duration:

- Turn off the display: After 10 minutes
- Put the computer to sleep: After 10 minutes

To awaken the computer from Sleep mode, press any key on your keyboard.

To set the power plan:

1. Type **Power Options** in the Windows search box and then press Enter.
2. Choose or customize a power plan of your preference.

Security

This computer offers a wealth of security measures to protect both the device and data safety.

Use software security solutions

The following software solutions help secure your computer and information.

- **Windows Security**

Windows Security is a software built-in to the operating system. It continually scans for malicious software, viruses, and other security threats. Besides, Windows updates are downloaded automatically to help keep your computer safe. Windows Security also enables you to manage tools including firewall, account protection, application and browser control, and so on.

- **Antivirus programs (for selected models)**

Lenovo preinstalls a full-version antivirus software on selected models of computer. It helps defend the computer against viruses, safeguard your identity, and keep your personal information secured.

Note: For more information about how to use these software solutions, refer to their help systems respectively.

Chapter 3. Explore your computer

Next Gen AI PC

Overview

An AI PC is a next-generation personal computer designed to deliver advanced artificial intelligence capabilities directly on the device. Unlike traditional PCs, AI PCs combine powerful hardware, optimized software, and intelligent design to accelerate AI-driven tasks, enhance user experience, and enable smarter workflows without relying solely on cloud services.

What is an AI PC

An AI PC is more than just a computer—it is a personal assistant built into your device. Powered by advanced artificial intelligence, it learns your habits, anticipates your needs, and helps you work smarter and faster—whether you are working, creating, or just having fun. An AI PC is designed to save your time and make life simpler. It's not just a PC—it's your personal assistant.

Core performance

Your AI PC is equipped with specialized processors that are optimized for handling AI workloads. These include:

- **CPU (Central Processing Unit):** Executes general computing tasks. Integrates instructions optimized for AI acceleration.
- **GPU* (Graphics Processing Unit):** Handles parallel processing for multimedia and visual AI tasks. Supports neural network inference and image processing.
- **NPU (Neural Processing Unit) — the core of AI PC capabilities:** Dedicated chip designed specifically for AI. Runs on-device AI tasks with high efficiency and low power consumption. Enables real-time processing without relying on cloud services.

* for selected models

Together, these components allow the device to run AI features quickly, efficiently, and privately—directly on your PC.

AI-Powered features on your AI PC

- **Qira:** Helps you organize files, summarize documents, generate content, and even adjust system settings—all while protecting your data. It is your intelligent companion for work, creativity, and everyday tasks. For more information, see https://support.lenovo.com/documentation/yoga_mini_01iph11.
- **Lenovo AI Turbo Engine** enhances the audio and video experience. For more information, see “Get a unique meeting experience with Lenovo AI Turbo Engine” on page 10.

Personalization

Your AI PC learns your habits and preferences, offering tailored suggestions, personalized settings, and content that fits your style—making your experience truly yours.


Get a unique meeting experience with Lenovo AI Turbo Engine



Lenovo AI Turbo Engine is a smart audio and video enhancement software. Powered by plentiful sensing and computing adaption technologies, it can optimize your experience in video and audio capture and playback.

Note: An external camera (sold separately) is required for camera-dependent features.

Access the app

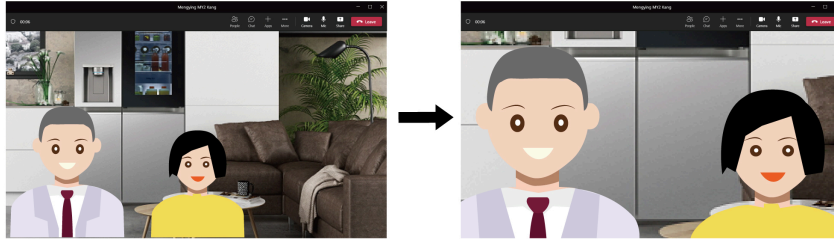
- Use the Lenovo AI Turbo Engine icon  if present on the taskbar.
- Type the app name in the Windows search box and press Enter.

Video enhancement

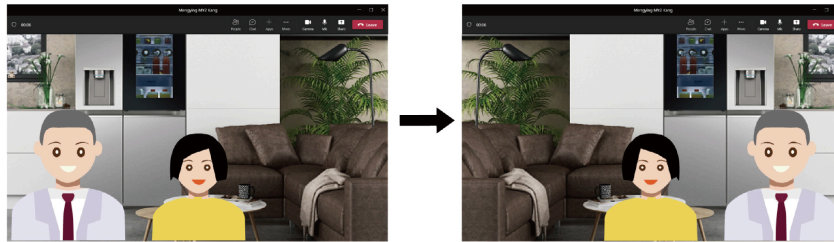
- **Auto framing mode**
 - **For a single person:** Automatically track and keep your face centered in the video.



- **For multiple persons:** Automatically crop the video to capture all persons' faces.

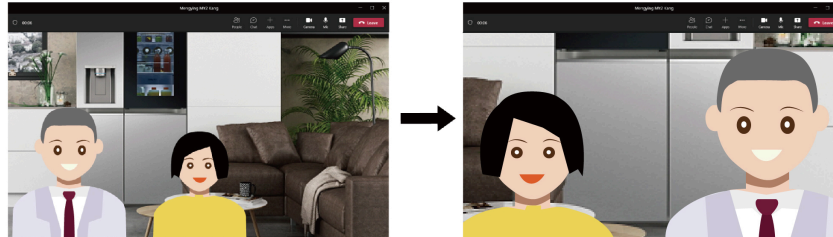


- **Video mirror:** Adjust the angle of the video background to deliver a more natural visual presentation.



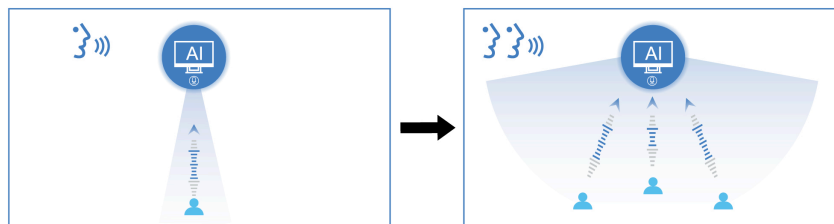
Usage recommendations:

During video conferences, you can enable **Auto framing mode** and **Video mirror** simultaneously to ensure that the output video is always natural and user-centered.



Audio enhancement

- **Adaptive capture effect:** The microphone capture scope can change based on the number of persons captured by the camera.



Note: You can also manually switch between personal, shared, or music modes based on your needs.

- **Adaptive playback effect:** The speaker playback effect can change depending on the audio type.



Note: You can also manually switch between voice, music, game, or movie modes based on your needs.

- **Smart call mute:** The microphone will be automatically muted if the camera detects that the user is on a phone call.



Usage recommendations:

In a meeting:

- Enable **Adaptive capture effect** when multiple participants share a single device to ensure optimal voice input quality.
- Enable **Adaptive playback effect** and select your preferred audio type to achieve optimal sound performance.
- Enable **Smart call mute** to avoid privacy leaks.

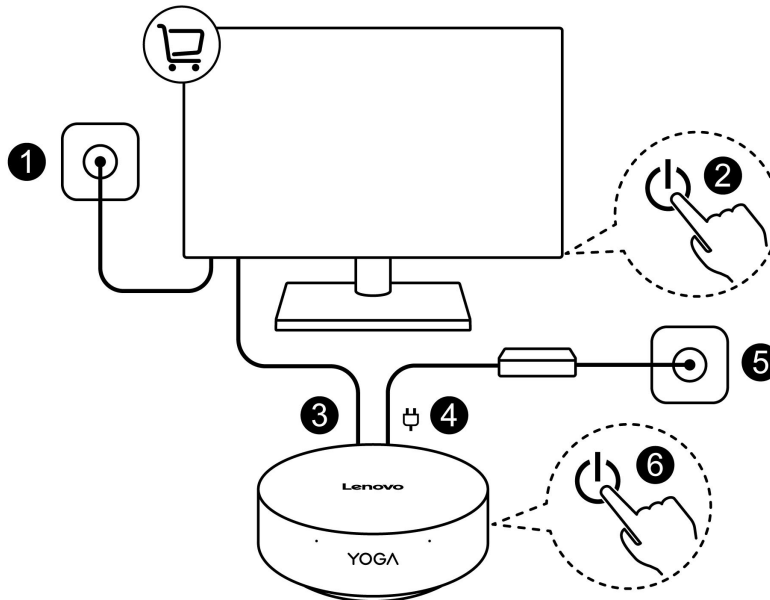
Notes:

- The available features vary depending on the computer models.
- This app might not be available in your country or region.
- This app makes periodic updates of the features. Explore this app on your actual user interface.

Key features


Quick Setup

Set up the computer






Attention:

Keep Clear for Cooling. The bottom air vents are essential for system airflow. To prevent overheating, maintain enough clearance around them and avoid obstruction by books or other objects.

- Step 1. Prepare an external display and connect it to a properly-grounded electrical outlet.
- Step 2. Turn on the external display.
- Step 3. Connect the external display to the computer.
- Step 4. Connect the power cord to the power cord connector  on the computer.
- Step 5. Connect the ac power adapter to a properly-grounded electrical outlet.
- Step 6. Press the power button to turn on the computer.
- Step 7. Connect the following peripheral devices on the computer if applicable.
 - “Keyboard and mouse” on page 14
 - Camera
- Step 8. Follow the on-screen instructions to complete the setup procedures.

Connect an external display

- **Wired display:** Connect the display to any of the following connectors on the computer:
 - HDMI out connector 
 - USB-C connector (USB 10Gbps) 
 - USB-C connector (Thunderbolt 4) 

- **Wireless display:** Ensure that both your computer and the wireless display support Miracast®. Press Windows logo key + K and then select a wireless display to connect with.

Set up the keyboard and mouse

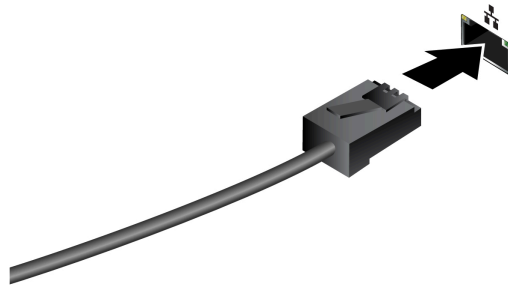
Depending on your computer model, follow the corresponding instructions below to set up your keyboard and mouse.

- If a keyboard and mouse kit is included:
Refer to the printed Setup Guide (SG) in the accessory box, or use the electronic version available on the support website https://support.lenovo.com/docs/acc500451_uq.
- If a keyboard and mouse kit is not included:
Refer to the setup guide provided with your own keyboard and mouse.


Connect to a network

Wired network

Connect an Ethernet cable of the local network to the Ethernet connector on the computer.



Wireless network

Click  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 may support different standards. For some countries or regions, use of 802.11ax may be disabled according to local regulations.

Log in with fingerprint recognition



The fingerprint reader is integrated with the power button. You can power on and log in to the computer with your fingerprint. It eliminates the need to enter complex passwords, saving your time and boosting your productivity.

To enroll your fingerprints, do the following:




- Step 1. Type **Sign-in options** in the Windows search box and then press Enter.
- Step 2. Select **Fingerprint recognition (Windows Hello)** and then follow the on-screen instruction to enroll your fingerprint.

Note: It is recommended that you put your finger at the center of the fingerprint reader key during enrollment and enroll more than one fingerprint for different scenarios. After the enrollment, the fingerprints are associated with the Windows password automatically.

- Step 3. Log in with your fingerprint.

Shut down the computer

To prevent damage to hardware/software systems or loss of data, do not arbitrarily use the power button to shut down the computer. Instead, shut down the computer as follows.

- Step 1. Click  →  →  **Shut down**.
- Step 2. Wait for the computer to shut down and then turn off the display and other peripheral devices.

Note: After you turn off the system, please wait at least 20 seconds before turning the computer back on to avoid hardware faults.

Adaptive lighting



Match your rhythm, connect to your sentiment, and feel understood with your move. Experience your computer as a seamlessly integrated personal assistant, where a responsive light dances to your music, syncs with your content, and shifts to reflect your movement.

Lighting modes

- **Default Lighting**

When no other effects are active, the lighting remains on as a calm ambient light, providing a constant visual reference.

- **Greetings Lighting**

Automatically activated when you approach the product.

- **Notification Lighting**

Keep up with events in real time.

- **Sound Lighting**


See the Music, Feel the Beat; it transforms your desk into a lively stage, adding a vibrant pulse to your desktop life.

- **AI Lighting**

Light pulses and shifts in real time with the AI agent's actions, turning cold code into a vivid, personable companion.

Lighting setting

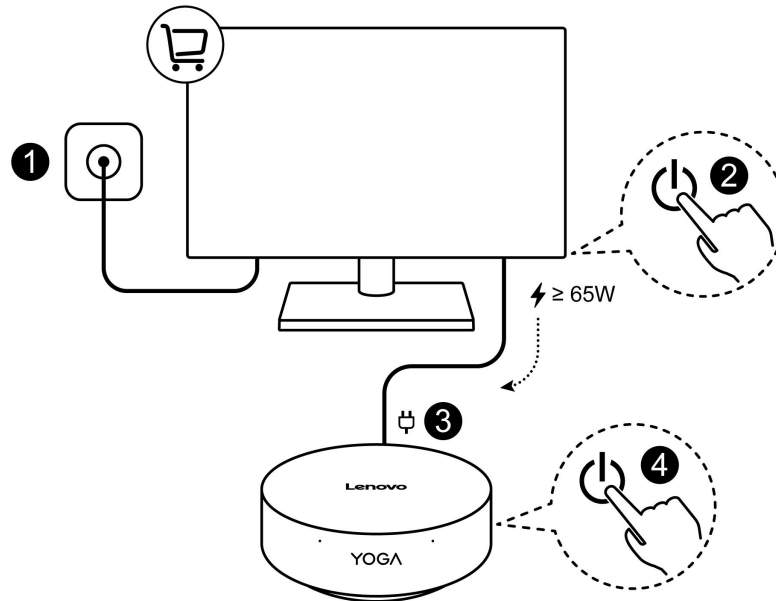
By default, the adaptive lighting is controlled by the Lenovo AI Turbo Engine. To customize the lighting setting, do the following:

1. Open the Lenovo AI Turbo Engine.
 - Use the Lenovo AI Turbo Engine icon  if present on the taskbar.


- Or type **Lenovo AI Turbo Engine** in the Windows search box and press Enter.
2. Select **Lighting Setting**.
 3. Customize your lighting setting to your preference.

Note: The notification lighting might be turned off by default. You can turn it on if needed.

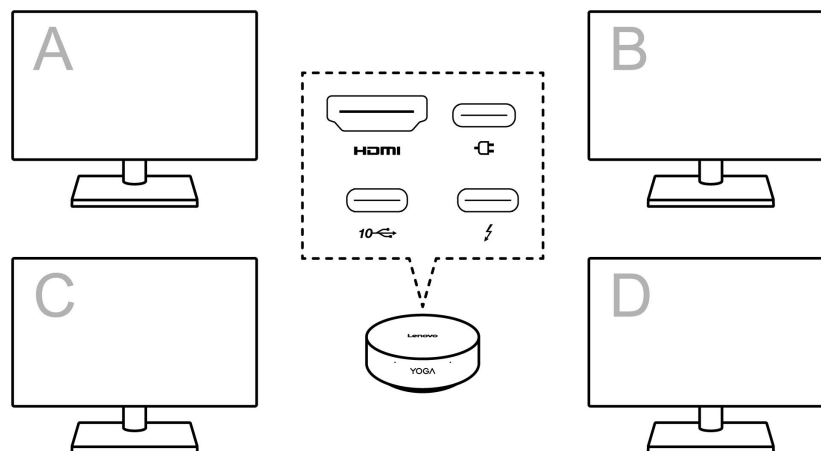
One cable management



Tidy desk, simple connection. One cable management transforms your desk into a clean, orderly space, so you can stop managing wires and start being productive.

- Step 1. Prepare an external display¹ (support USB-C power delivery above 65 W) and connect it to a properly-grounded electrical power.
- Step 2. Turn on the external display.
- Step 3. Connect the external display to the power cord connector  on the computer.
- Step 4. Press the power button to turn on the computer.

Multi-screen solution



Your computer is equipped with five video output connectors for connecting external displays. You can connect up to four displays simultaneously using any of these connectors.

Notes: Each video output connector supports up to 4K resolution at a 60 Hz refresh rate. The actual performance depends on the connected external display and the cable in use.

- If the external display's maximum resolution is below 4K, the output will default to the display's native resolution.
- If the external display's maximum resolution exceeds 4K, the output will default to 4K.

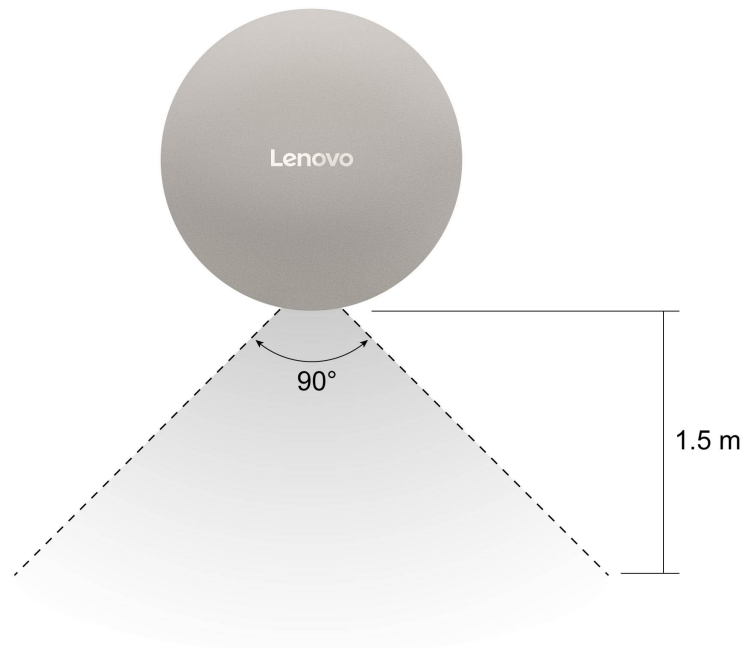
Wi-Fi sensing Human Presence Detection

Your computer supports the Wi-Fi sensing Human Presence Detection feature. This feature offers smart privacy protection and efficient energy management for your computer.

This feature provides the following functions:

- **Wake on approach**
Wake your computer from sleep mode when you approach.
- **Screen off when leaving**
When the system detects you have left, it automatically turns off your screen within seconds.

Detection range



Wake on approach

Wake on approach is a smart feature that makes your computer more responsive. It can automatically wake up from sleep mode without touching when it detects you approaching.

Change the settings

To enable or disable this function:

- Step 1. Go to **Start** → **Settings** → **System** → **Power** → **Screen, sleep, & hibernate timeouts**.
- Step 2. Turn on or off the **Wake my device when I approach** switch.

Screen off when leaving

Screen off when leaving function can detect your presence and automatically turn off your screen when you walk away, providing added security and improving battery life.

Change the settings

To enable or disable this function:

- Step 1. Go to **Start** → **Settings** → **System** → **Power & battery** → **Screen, sleep, & hibernate timeouts**.
- Step 2. Turn on or off the **Turn off my screen when I leave** switch.
- Step 3. After turning on the switch, you can choose the time intervals to turn off your screen after you leave.
- Step 4. Check the box **Turn off my screen when I leave while an external display is connected** according to your needs.

Tap-tap



A simple physical gesture enables instant control of specific functions. This method significantly reduces operational steps and saves time. It also improves the user experience in applications such as games and media playback.

Explore key features

- **Single-tap**: Turn the adaptive lighting on or off.
- **Double-tap²**: Turn the Qira chat mode on or off.
- **Customize²**: Customize the function of single-tap and double-tap in the Lenovo AI Turbo Engine app.

Interactive speaker and microphone

The interactive speaker and microphone provide a complete, high-quality solution for communication and media playback. The system is always ready for use without additional equipment. This gives you clear audio for important calls and immersive sound for entertainment.

Explore key features

- Use the speaker and microphone for online meetings
- Make voice calls and send voice messages
- Record voice notes and audio
- Play music, videos, and other multimedia

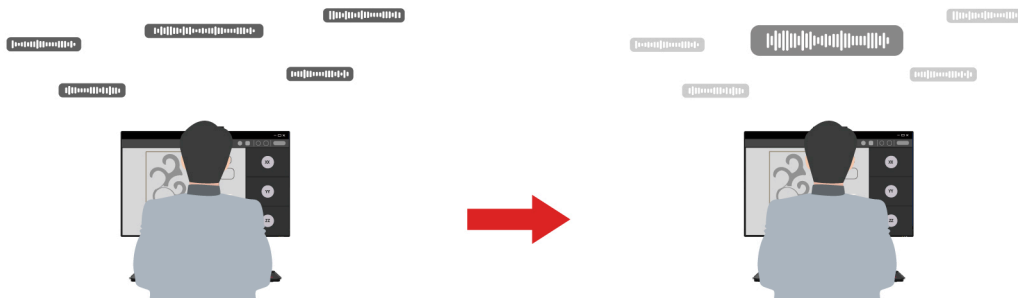
Smart noise cancellation

Smart noise cancellation is a noise reduction feature available in Realtek Audio Console app. By filtering out input and output noises, it enhances your audio experience.

Access the app

Type **Realtek Audio Console** in the Windows search box and press Enter.

Explore key features



Function	Description
Speaker noise cancellation	<ul style="list-style-type: none">• On: Your computer filters out other sounds to play only human voices in a voice call.• Off: Your computer keeps all the sounds from the call participants.
Microphone noise cancellation	<p>Three microphone pickup modes are available (Uni-Directional, Omni-Directional, Enhance Voice Recognition), with AEC and FFP support varying by mode.</p> <ul style="list-style-type: none">• Acoustic Echo Cancellation (AEC): Your computer removes acoustic echo feedback from the speaker output to the microphone.• Far Field Pickup (FFP): Your computer can clearly pick up voice from a distance and you don't have to speak in front of the computer.

Note: Depending on your hardware configuration, some of the features and options described above may not be supported.

Solid-state drive upgrade

Upgradable Solid-state drive (SSD) provides a future-proof foundation, ensuring long-term, smooth access and expansion for large media libraries.

To perform a self-upgrade, refer to the **Solid-State Drive Upgrade** section at https://support.lenovo.com/documentation/yoga_mini_01iph11.

Lenovo Smart Storage

Lenovo Smart Storage³ is a software solution that lets you create a private cloud using your computer's local storage. It provides a secure, private way to manage digital content such as photos, videos, and documents. Log in with your Lenovo ID to access features including secure storage, automated backup, and easy file sharing.

Lenovo Smart Storage consists of two components:

- **Server app:**
Operate on your host computer to manage storage and process files.
- **Client app:**
Access and share files with the server from PCs and mobile phones or tablets (Android, iOS).

Note: The server and client apps cannot be installed on the same device at the same time.

Access the apps

Step 1. On your host computer, type **Lenovo Smart Storage** in the Windows search box and press Enter.

Step 2. Log in to the server app with your Lenovo ID.

Step 3. Set up the client app.

- For PCs: Click the computer client download link to obtain the installation package.
- For mobile phones or tablets: Scan the QR code in the server app to download the mobile app.

Note: The Lenovo ID used on the client must either match the server administrator's ID or be authorized by the server administrator.

Explore key features

- Synchronize files across multiple client apps and the server app
- Perform automatic local backup and organization
- Share files among predefined user groups, such as family members or project teams

Smart Connect

Smart Connect is an app that can easily pair your computer with your Motorola smartphone and Lenovo tablet.

Access the app

Type **Smart Connect** in the Windows search box and press Enter.

Explore key features

- Access mobile apps on your computer
- Quickly share content between connected devices
- Mirror your phone display or create a virtual phone screen on your computer
- Copy and paste across connected devices
- Use your phone or tablet camera as the computer webcam
- Control your phone or tablet using your computer keyboard and mouse

- Extend or mirror your computer display on the tablet

Notes:

- The available features vary depending on the computer model.
- This app makes periodic updates of the features. Explore this app on your actual user interface.

Adobe Creative Cloud

Adobe Creative Cloud provides a complete toolkit for professional content creation. It supports the entire workflow across key media types, from image editing and graphic design to video production and motion graphics.

Start with a 2-month free trial of the applications. When the trial ends, you may decide to subscribe if the applications meet your needs.

Access the app

Type **Adobe Creative Cloud** in the Windows search box and press Enter.

Explore key features

- Access Adobe apps
- Share project files and graphics with Creative Cloud Libraries
- Save and open your work from cloud storage
- Use fonts from your cloud library
- Get new software features automatically
- Find and use stock images, videos, and graphics

Microsoft Office

Microsoft Office serves as the core productivity suite for the modern workplace, efficiently supporting both individual tasks and team collaboration.

Explore key features

- **Personal productivity module: Word, Excel, PowerPoint**
- **Team collaboration workflow:**
 - **Teams** enables real-time collaboration through chat, meetings, and document sharing.
 - **OneDrive** is a cloud storage service that gives you access to your files from any device.

Support

Reset your computer

Resetting your computer in Windows is a powerful feature that allows you to restore your device to its original state. It can be useful if you're experiencing performance issues, software problems, or simply want a fresh start. This feature is designed to provide you several options to suit your specific needs.

Note: Resetting a computer will remove all installed applications, drivers, and settings changes that were made to the computer, while personal files such as photos and documents can be removed or kept according to your circumstances.

Reset options

- **Keep my files:** Also known as Refresh. This option reinstalls Windows while keeping your personal files intact. It removes apps and settings but preserves your documents, photos, and other personal data.
- **Remove everything:** Also known as Reset. This option reinstalls Windows and removes all your personal files, apps, and settings. It's ideal for a fresh start or when you are giving away or selling your computer.

Before resetting your computer

To reset your computer, you'll need to:

- Ensure your computer is plugged into power.
- Ensure your computer is connected to a stable network.

Steps to reset your computer

You can reset your computer when you are signed in to Windows or from the Windows Recovery Environment.

- Reset your computer from settings:
 1. Go to **Settings → System → Recovery**.
 2. Under the **Reset this PC** option, click **Reset PC**.
 3. Choose an option in the reset options table.
- Reset your computer from Windows RE:

Note: If you've encrypted your device, you'll need your BitLocker key to complete this task. If you don't know your BitLocker key, see Find your BitLocker recovery key.

1. Restart your computer. When the logo screen is displayed, press F11 to enter the Windows Recovery Environment.
2. Select **Troubleshoot → Reset this PC**.
3. Choose an option in the reset options table.

Recover your Windows operating system

When you encounter some unexpected issues with your operating system, you can choose to recover your operating system by yourself or call Lenovo Customer Support Center.

Note: Microsoft constantly makes updates to the Windows operating system. Before installing a particular Windows version, check the compatibility list for the Windows version. For details, go to <https://support.lenovo.com/us/en/solutions/ht512575>.

For computers purchased in mainland China

Go to https://iknow.lenovo.com.cn/detail/199198_1.html.



For computers purchased outside mainland China

To recover your operating system to...	See.
Factory defaults	Refer to the instructions in https://support.lenovo.com/HowToCreateLenovoRecovery
A previous system point	Refer to the instructions in Popular Topics: https://support.lenovo.com/solutions/ht118590

Copilot in Windows

Copilot in Windows is an AI-powered assistant to help enhance work efficiency and creativity.

To access Copilot in Windows, do one of the following:

- Press the Copilot key  on the keyboard if any.
- Click the Copilot icon  on the task bar.

Key functions

- Provide answers or suggestions to your questions through live chat. For example, you could ask Copilot how to change your Windows password.
- Assist you to analyse image by clicking the image button at the bottom right of the chat box. For example, you could ask Copilot to summarize the image you have uploaded.

Notes:

- This app might not be available in your country or region.
- This app makes periodic updates of the features. Explore this app on your actual user interface.

Change display settings

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.

Peripheral tips

Compatible display list

You can find the list of compatible displays on our Product Specifications Reference site <https://psref.lenovo.com/>.

Keyboard and mouse kit

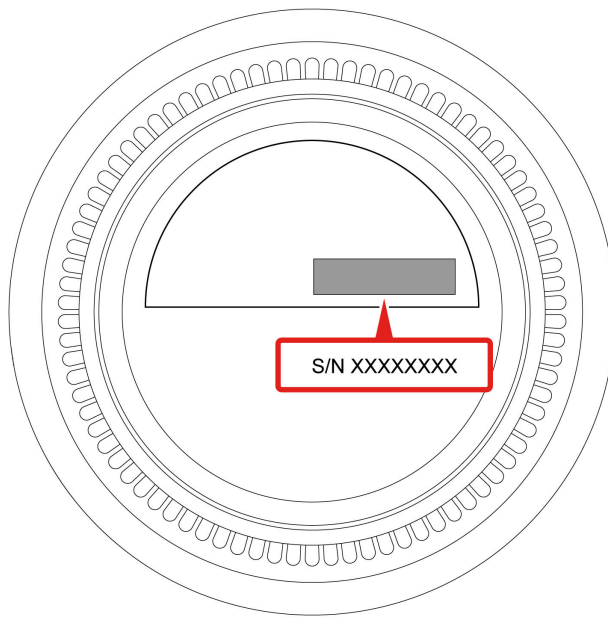
For detailed information about the recommended keyboard and mouse kit, refer to the manual at <https://support.lenovo.com/docs/acc500451 Ug>.

Find your serial number

This topic helps you find computer serial number.

You can find your serial number via:

- **Dashboard** or **Device** in the **Vantage** app
- The bottom of your computer (shown as below illustration)



Frequently asked questions

My adaptive lighting does not respond

Problem: What should I do if my adaptive lighting does not respond?

Solution: If your adaptive lighting does not respond, try the following solutions one by one to troubleshoot and fix the issue:

- Ensure that the feature is enabled. Take the following steps:
 - For boot up lighting
 1. Restart the computer. When the logo screen is displayed, press F1 or Fn + F1 to enter the BIOS menu.
 2. Select **Devices** → **Lighting Setup** → **Boot Up Lighting Control** and press Enter.
 3. Ensure the boot up lighting is enabled.
 - For static lighting
 1. Open the Lenovo AI Turbo Engine and then select **Lighting Setting**.
 2. Ensure that the adaptive lighting is enabled.
 3. Select the lighting mode you need and ensure that lighting mode is enabled.
- Update or install the latest Lenovo AI Turbo Engine.
- Restart your computer.

If the problem persists, do not hesitate to contact Lenovo. For details, go to <https://pcsupport.lenovo.com/contact-us>.

Change lighting controller

Problem: How to use Windows Dynamic Lighting to control adaptive lighting?

Solution: To configure the adaptive lighting through Windows Dynamic Lighting, take the following steps:

1. Restart the computer. When the logo screen is displayed, press F1 or Fn + F1 to enter the BIOS menu.
2. Select **Devices** → **Lighting Setup** → **Lighting Control** and press Enter.
3. Select **Windows Dynamic Lighting** option.
4. Press F10 or Fn + F10 to save the setting and exit.

If the problem persists, do not hesitate to contact Lenovo. For details, go to <https://pcsupport.lenovo.com/contact-us>.

My computer does not start up

Problem: What should I do if my computer does not start up?

Solution: If your computer does not start up, take the following steps:


1. Check if the power indicator is on, to ensure that the power adapter is connected to your computer and the power cord of your computer is plugged into a working electrical outlet.
2. If you are using a power strip or surge protector, ensure it is turned on and working.
3. Press the power button to turn on your computer again.

If the problem persists, do not hesitate to contact Lenovo. For details, go to <https://pcsupport.lenovo.com/contact-us>.

My computer does not start up in one cable management mode

Problem: What should I do if my computer does not start up in one cable management mode?

Solution:

- Verify that the external display supports USB-C Power Delivery of 65W or higher.
- Ensure that the external display is well connected to the power cord connector .
- Restart your computer.

If the problem persists, do not hesitate to contact Lenovo. For details, go to <https://pcsupport.lenovo.com/contact-us>.

The external display does not work

Problem: What should I do if the external display does not work?

Solution: If the external display does not work, try the following solutions one by one to troubleshoot and fix the issue:

1. Ensure that the external display is well connected to your computer
2. Reconnect the external display to your computer.
3. Update the display driver. Take the following steps:
 - a. Type **device manager** in the Windows search box and then press Enter.
 - b. Click the arrow icon > next to **Display adapters** to expand the section.
 - c. Right-click your display adapter, select **Update driver**, and follow the on-screen instructions.
4. Roll back to the previous installed driver if the display problem occurs after a recent driver update. Take the following steps:
 - a. Type **device manager** in the Windows search box and then press Enter.
 - b. Click the arrow icon > next to **Display adapters** to expand the section.

- c. Right-click the display driver and select **Properties**.
- d. Under **Driver**, select **Roll Back Driver** and follow the on-screen instructions.

If the problem persists, do not hesitate to contact Lenovo. For details, go to <https://pcsupport.lenovo.com/contact-us>.

The Wi-Fi sensor is not detecting me

Problem: What should I do if the Wi-Fi sensor is not detecting me?

Solution: If the Wi-Fi sensor is not detecting you, try the following solutions one by one to troubleshoot and fix the issue:

- Check power & connectivity. Ensure your computer is powered on and connected to your network.
- Check the computer placement. Ensure the sensor is not obstructed or pointed in the wrong direction.
- Check for interference. Keep your computer away from large metallic objects or other electronic devices which can cause interference.
- Restart your computer.

If the problem persists, do not hesitate to contact Lenovo. For details, go to <https://pcsupport.lenovo.com/contact-us>.

The audio does not work

Problem: What should I do if the audio does not work?

Solution: If you encounter any audio problems, such as no audio or malfunctioning audio, try the following solutions one by one to troubleshoot and fix the issue:

1. If you are using an external audio device, ensure that the device is properly connected to your computer.
2. Verify your audio settings. Take the following steps:
 - a. Go to **Start → Settings → System → Sound**.
 - b. Verify that the sound output and input devices are selected correctly.
 - c. Verify that the volume is properly set and your computer is not muted.
3. Run the audio troubleshooter. Take the following steps:
 - a. Go to **Start → Settings → System → Sound**.
 - b. Under **Advanced**, find **Troubleshoot common sound problems**, and click **Output devices** or **Input devices** to troubleshoot and fix the problem.

For more solutions to audio problems, go to <https://support.lenovo.com/solutions/ht501860>.


If the problem persists, do not hesitate to contact Lenovo. For details, go to <https://pcsupport.lenovo.com/contact-us>.

My solid-state drive is not detected

Problem: What should I do if my computer does not detect the solid-state drive?

Solution: If your computer cannot detect the solid-state drive, try the following solutions one by one to troubleshoot and fix the issues:

1. Restart your computer.

2. The drive letter of the solid-state drive might be missing or in conflict with that of another disk. In this case, you can assign a new drive letter to the solid-state drive:
 - a. Right-click the Windows icon  and click **Disk management**.
 - b. Right-click the solid-state drive and click **Change Drive Letter and Paths...**
 - c. Click **Change**. Select a new drive letter from the list and then click **OK** to save your configuration.
3. Enable the disk drive:
 - a. Type **device manager** in the Windows search box and then press Enter.
 - b. Click the arrow icon > next to **Disk Drives** to expand the section.
 - c. Right-click the disk drive and click **Enable device**.

Note: If the **Enable device** option is not displayed, that means the disk drive is enabled already.
4. Reinstall the disk drive:
 - a. Type **device manager** in the Windows search box and then press Enter.
 - b. Click the arrow icon > next to **Disk Drives** to expand the section.
 - c. Right-click the disk drive and click **Uninstall device**.
 - d. Restart the computer. The driver will be automatically installed after the computer restarts. Verify if your computer can detect the storage device now.
5. Update the solid-state drive firmware:
 - a. Open the Vantage app and then click **Device → System Update → CHECK FOR UPDATES**.
 - b. If the solid-state drive firmware update package is available, follow the on-screen instructions to download and install the package.

If the problem persists, do not hesitate to contact Lenovo. For details, go to <https://pcsupport.lenovo.com/contact-us>.

Storage device read/write error

Problem: What should I do if I encounter storage device read/write error? For example, I cannot open a file.

Solution: To troubleshoot and fix the storage device read/write error, try the following solutions one by one:

1. Update the storage device driver:
 - a. Type **device manager** in the Windows search box and then press Enter.
 - b. Click the arrow icon > next to **Disk Drives** to expand the section.
 - c. Right-click the disk drive, click **Update driver** and follow the on-screen instructions.
2. Run the disk error checking:
 - a. Go to **This PC**.
 - b. Right-click the disk drive that you want to check and click **Properties → Tools**.
 - c. Click **Check** in the error checking section and follow the on-screen instructions.
3. Update the solid-state drive firmware:
 - a. Open the Vantage app and then click **Device → System Update → CHECK FOR UPDATES**.
 - b. If the solid-state drive firmware update package is available, follow the on-screen instructions to download and install the package.

If the problem persists, do not hesitate to contact Lenovo. For details, go to <https://pcsupport.lenovo.com/contact-us>.

Annotation

¹Find the list of compatible displays at the **Peripheral Tips** section in this guide.

²If the feature is not available in your current software version, it will be available in a future software update.

³For details about the Lenovo Smart Storage, refer to *Lenovo Smart Storage: Introduction & User Guide* at <https://support.lenovo.com/us/en/solutions/HT518031>.

Chapter 4. CRU replacement

What is CRU

Important: For users in mainland China, the information provided in this chapter is for reference by professional maintenance service providers or technicians authorized by Lenovo only. Users shall not perform maintenance on their own. Any faults or damage due to improper operation, modification, or failure to use parts provided by Lenovo are not covered by the warranty for this product. For product warranty information, refer to the warranty document provided with the product or go to the official Lenovo website at <https://newsupport.lenovo.com.cn>.

Customer Replaceable Units (CRUs) are parts that can be replaced by the customer. Lenovo 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 the 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

The following is the CRU list of your computer.

Self-service CRUs

- ac power adapter
- Keyboard and mouse kit*
- Power cord

Optional-service CRUs

- Solid-state drive
- Solid-state drive heat sink
- Top cover

* for selected models

For CRU replacement instructions, refer to:

- “Set up the computer” on page 13
- **Solid-State Drive Upgrade** section at https://support.lenovo.com/documentation/yoga_mini_01iph11

Chapter 5. Help and support

Diagnose and troubleshoot your computer

This section provides introduction to a set of diagnostics and troubleshooting tools at Lenovo Support Web site and the Vantage app. They can help you diagnose common software and hardware issues.

The following table lists these diagnostics tools and the recommended conditions for each tool.

Diagnosics tool	Recommended scenario
Troubleshoot and diagnose at Lenovo Support Web site	You want to have an online troubleshooting or scan of hardware and drivers on your computer.
Hardware scan	<ul style="list-style-type: none">Your computer is installed with the Vantage app.You want to perform basic examinations of the hardware components.

Troubleshoot and diagnose at Lenovo Support Web site

Lenovo provides two different diagnosing solutions to help you identify and resolve problems on your computer.

For computers purchased in mainland China

1. Go to <https://newsupport.lenovo.com.cn/>.
2. Enter the troubleshooting section and find the question you are encountering.

For computers purchased outside mainland China

1. Go to <https://www.pcsupport.lenovo.com/> and enter your product name in the search box.
2. Click **Troubleshoot & Diagnose** and select the option that fits your need.

Notes:

- Before launching any automatic diagnosing process, a pop-up window will be prompted to install Lenovo Service Bridge. Lenovo Service Bridge helps to connect your computer with Lenovo diagnosing tools.
- Lenovo Support Web site makes periodic updates of the sections to keep improving your experience with your computer. The Web site interface and descriptions of sections might be different from that on your actual interface.
- If you are unaware of what problem your computer goes with, it is recommended that you select **Easy** and follow on-screen instructions to get your firmware updated and obtain the hardware status.
- If you have identified the problem on your computer, you can select **Custom** and follow on-screen instructions to resolve the problem.

If solutions can not resolve problems on your computer, you can follow on-screen instructions to submit an e-ticket or contact Lenovo for professional assistance.

Hardware scan

Hardware scan is an effective hardware testing tool to help you identify existing hardware issues.

To run the Hardware scan:

- Step 1. Type **Vantage** in the Windows search box and then press Enter.
- Step 2. Click **Hardware scan** or **Support → Hardware scan**.
- Step 3. Select **QUICK SCAN** or **CUSTOMIZE** and then follow the on-screen instructions to run the hardware scan.

Notes:

- The Quick Scan tool contains a pre-selected suite of tests that performs basic examinations of the hardware components found in the system. The Customize tool enables you to select one or several hardware components to perform the examinations.
- Before selecting **QUICK SCAN**, click **Refresh Modules** to ensure that the list of hardware components is the components currently available for the computer.

- Step 4. If any hardware failure is detected, the result varies depending on the warranty status and varies by country or region. Follow the on-screen instructions to resolve the issue.

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 needed information 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.

Self-help resources

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

Resources	How to access?
Lenovo Support Web Site	<ul style="list-style-type: none"> • For computers purchased in mainland China https://www.lenovo.com.cn • For computers purchased outside mainland China https://pcsupport.lenovo.com
Tips	<ul style="list-style-type: none"> • For computers purchased in mainland China https://iknow.lenovo.com.cn • For computers purchased outside mainland China https://www.lenovo.com/tips

Resources	How to access?
Lenovo Community	<ul style="list-style-type: none"> For computers purchased in mainland China https://iknow.lenovo.com.cn For computers purchased outside mainland China https://forums.lenovo.com
Accessibility information (for computers purchased outside China)	https://www.lenovo.com/accessibility
Windows help information	<ul style="list-style-type: none"> Open the Start menu and click Get Help or Tips. Use Windows Search. Microsoft support Web site: https://support.microsoft.com

Purchase accessories or additional services

This topic provides instructions on how to purchase accessories or additional services.

Accessories

Lenovo has a number of hardware accessories and upgrades to help expand the functionalities of your computer. Accessories include memory modules, storage devices, network cards, power adapters, keyboards, mice, and so on.

To shop at Lenovo, go to:

- For computers purchased in mainland China
<https://www.lenovo.com.cn>
- For computers purchased outside mainland China
<https://www.lenovo.com/accessories>

Additional services

During and after the warranty period, you can purchase additional services from Lenovo at:

- For computers purchased in mainland China
<https://newsupport.lenovo.com.cn>
- For computers purchased outside mainland China
<https://pcsupport.lenovo.com/warrantyupgrade>

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

Accessibility features

Lenovo is committed to making information technology accessible to everyone, including individuals with hearing, vision, mobility, cognitive, or speech disabilities. To get the most up-to-date and detailed accessibility features information for the product, go to https://support.lenovo.com/docs/product_accessibility_features.

Appendix A. Supplementary information

This section contains the 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.

Notice for USB connector name update

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 B. Important notice for Quebec consumers

In regard to section 79.18 of Quebec's Regulation respecting the application of the Consumer Protection Act, Lenovo in no way guarantees the availability of (a) replacement parts; (b) repair services; and (c) information necessary to maintain or repair the goods. For up-to-date information on the technical support and parts available for your purchase, please consult <https://support.lenovo.com/ca/en>

Appendix C. Notices and trademarks

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- For computers purchased in mainland China
<https://newsupport.lenovo.com.cn>
- For computers purchased outside mainland China
<https://pcsupport.lenovo.com>

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