

L13 Gen 2, L13 Yoga Gen 2, S2 Gen 6, and S2
Yoga Gen 6
User Guide

ThinkPad.



Lenovo

Read this first

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

- Appendix A “Important safety information” on page 59
- *Safety and Warranty Guide*
- *Setup Guide*

Second Edition (June 2021)

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Discover your Lenovo notebook

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

Before starting your tour, please read the following information:

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

Chapter 1. Meet your computer

ThinkPad L13 Gen 2, ThinkPad L13 Yoga Gen 2, ThinkPad S2 Gen 6, and ThinkPad S2 Yoga Gen 6 might be shipped with different microprocessors, namely Intel® and Advanced Micro Devices (AMD). Hereby Intel models and AMD models are used to distinguish computer models with different microprocessors.

Front view



	Infrared camera* / Camera*		Webcam privacy shutter
	Microphone		TrackPoint® pointing stick
	Touch screen*		Fingerprint reader*

 *	Smart-card slot*		Trackpad
	TrackPoint buttons		

* for selected models



Webcam privacy shutter

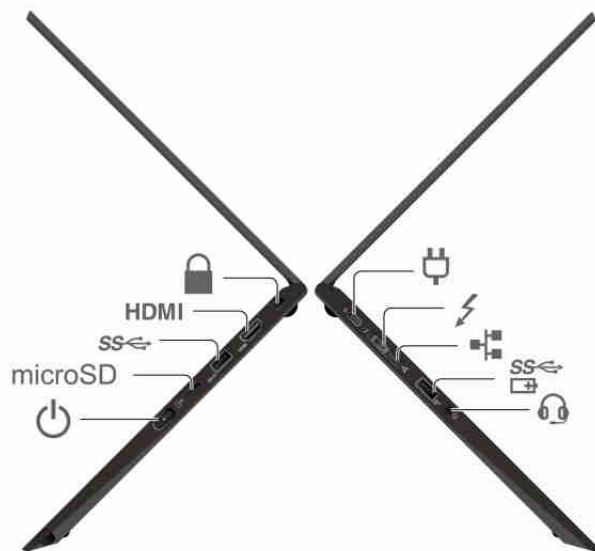
Slide the webcam privacy shutter to cover or uncover the camera lens. It is designed to protect your privacy.

Related topics

- “Use face authentication (for selected models)” on page 36
- “Use the touch screen (for selected models)” on page 14
- “Use the fingerprint reader (for selected models)” on page 36
- “Use the TrackPoint pointing device” on page 12
- “Use the trackpad” on page 13

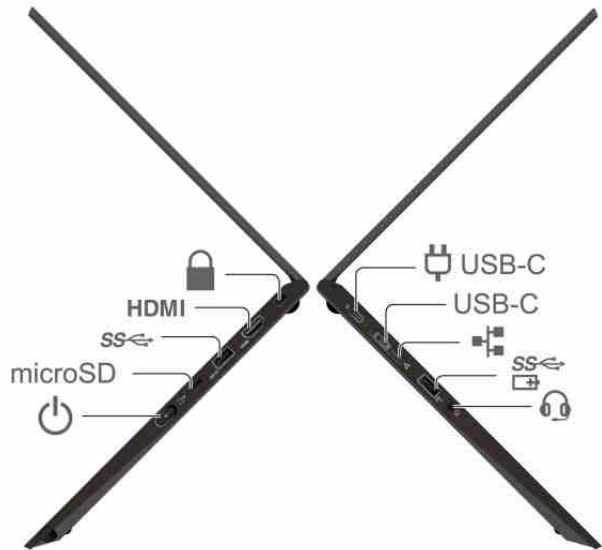
Side view

Intel models



	USB-C® (Thunderbolt™ 4) power connector		USB-C (Thunderbolt 4) connector
	Ethernet connector		Always On USB 3.2 connector Gen 1
	Audio connector		Security-lock slot
	HDMI™ connector		USB 3.2 connector Gen 1
	microSD-card slot		Power button

AMD models



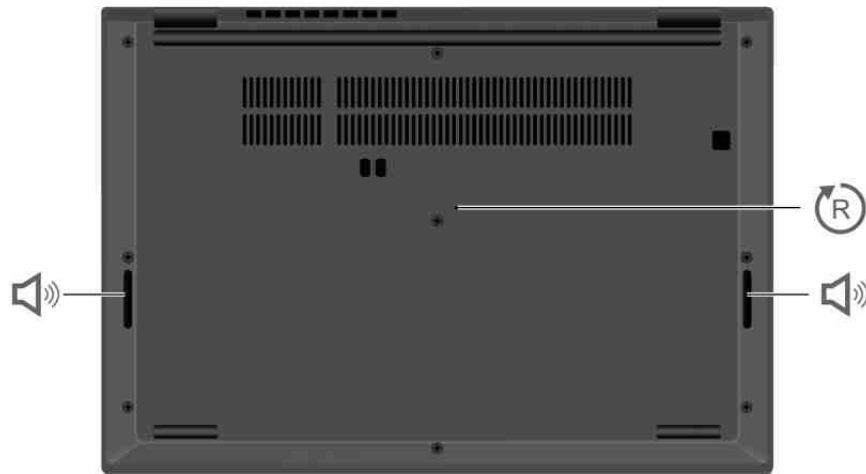
	USB-C power connector		Ethernet connector
	Always On USB 3.2 connector Gen 1		Audio connector
	Security-lock slot		HDMI™ connector
	USB 3.2 connector Gen 1		microSD-card slot
	Power button		

Note: The Ethernet extension connector Gen 2 and the adjoining USB-C (Thunderbolt 4) connector cannot be used simultaneously.

Related topics

- “Charge the computer” on page 25
- “USB specifications” on page 6
- “Use a microSD card or smart card” on page 27
- “Lock the computer” on page 33

Bottom



Emergency-reset hole



Speaker



Emergency-reset hole

If the computer stops responding and you cannot turn it off by pressing the power button, reset your computer:

1. Disconnect your computer from ac power.
2. Insert a straightened paper clip into the hole to cut off power supply temporarily.
3. Connect your computer to ac power and then turn on your computer.

CAUTION:

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

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

Features and specifications

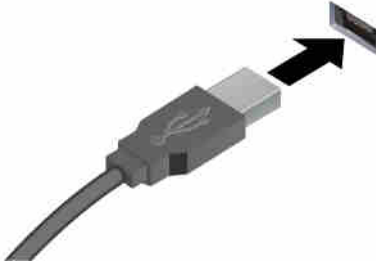
For detailed specifications of your computer, go to <https://psref.lenovo.com> and search by product.

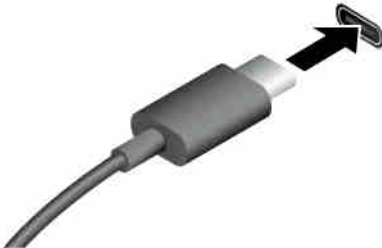
Dimensions	• Width: 311.3 mm (12.26 inches) • Depth: 219 mm (8.62 inches) • Thickness: 17.6 mm to 17.85 mm (0.69 inches to 0.70 inches)
Power source (ac power adapter)	• Sine-wave input at 50 Hz to 60 Hz • Input rating of the ac power adapter: 100 V to 240 V ac, 50 Hz to 60 Hz
Microprocessor	To view the microprocessor information of your computer, right-click the Start button and then click System .
Memory	Double data rate 4 (DDR4), soldered on board, up to 16GB
Storage device	One slot, 2242 or 2280 M.2 solid-state drive, up to 1TB
Audio	• Dolby Atmos Speaker • Dolby Voice
Display	• Color display with In-Plane Switching (IPS) or Twisted Nematic (TN) technology • Display ratio: 16:9 • Display resolution: 1366 x 768 pixels or 1920 x 1080 pixels • Multi-touch technology*
Security features	• Face authentication* • Fingerprint reader* • Security-lock slot • Trusted Platform Module (TPM)*
Wireless features	• Bluetooth • GPS (on wireless WAN model)* • Wireless LAN • Wireless WAN* Note: The 4G cellular service is provided by authorized mobile service carriers in some countries or regions. You must have a cellular plan from a service carrier to connect to the cellular network. The cellular data plan might vary by location.

* for selected models

USB specifications

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

Connector name	Description
 •  USB 2.0 connector •  USB 3.2 connector Gen 1 •  USB 3.2 connector Gen 2	Connect USB-compatible devices, such as a USB keyboard, USB mouse, USB storage device, or USB printer.

 • USB-C (3.2 Gen 1) connector • USB-C (3.2 Gen 2) connector •  USB-C (Thunderbolt 3) connector •  USB-C (Thunderbolt 4) connector	• Charge USB-C compatible devices with the output voltage and current of 5 V and 3 A. • Connect to an external display: – USB-C to VGA: up to 1920 x 1200 pixels, 60 Hz – USB-C to DP: up to 5120 x 3200 pixels, 60 Hz • Connect to USB-C accessories to help expand your computer functionality. To purchase USB-C accessories, go to https://www.lenovo.com/accessories.
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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 / 3.1 Gen 1	5
3.2 Gen 2 / 3.1 Gen 2	10
3.2 Gen 2 × 2	20
Thunderbolt 3	40
Thunderbolt 4	40

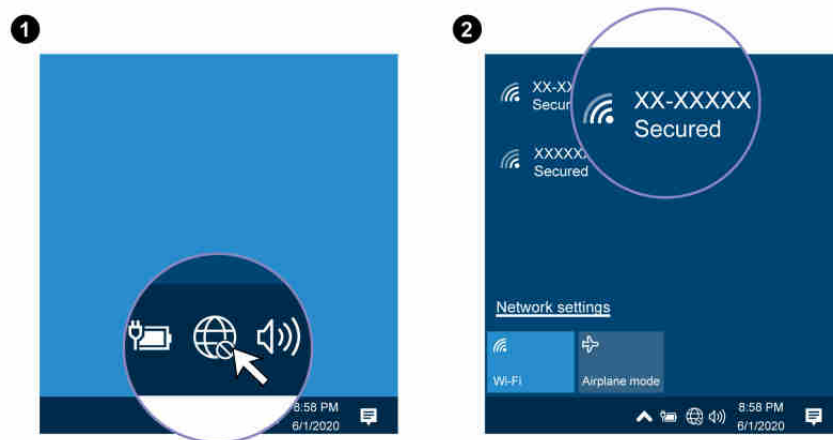
Chapter 2. Get started with your computer

Access networks

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

Connect to Wi-Fi networks

Click the network icon in the Windows® notification area, and then select a network for connection. Provide required information, if needed.



Connect to the wired Ethernet

Connect your computer to a local network with an Ethernet cable through the following accessories:

- Lenovo USB-C to Ethernet adapter
- ThinkPad Ethernet Extension Adapter Gen 2

You can also purchase a Lenovo USB-C to Ethernet adapter or ThinkPad Ethernet Extension Adapter Gen 2 from Lenovo at <https://www.lenovo.com/accessories>.

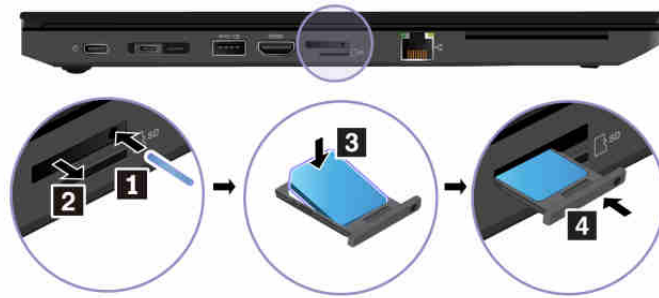
Connect to a cellular network (for selected models)

If your computer has a wireless wide area network (WAN) card and a nano-SIM card installed, you can connect to a cellular data network and get online everywhere.

Note: The cellular service is provided by authorized mobile service carriers in some countries or regions. You must have a cellular plan from a service carrier to connect to the cellular network.

To establish a cellular connection:

1. Turn off the computer.
2. Locate the nano-SIM card slot and insert the nano-SIM card as shown. Note the orientation of the card and ensure that it is seated correctly.



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

Turn on the Airplane mode

When the Airplane mode is enabled, all wireless features are disabled.

1. Click the action center icon  in the Windows notification area.
2. Click **Airplane mode** to turn on the Airplane mode.

Interact with your computer

Your computer provides you various ways to navigate the screen.

Use the keyboard shortcuts

The special keys on the keyboard help you work more effectively.



<https://support.lenovo.com/us/en/videos/vid500145>

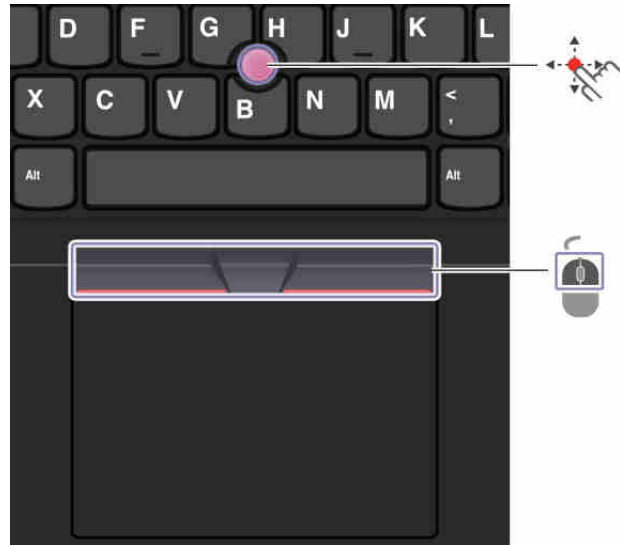
 + 	Invoke the special function printed as an icon on each key or standard function of F1–F12 function keys. FnLock indicator on: standard function FnLock indicator off: special function
	Enable / disable speakers
	Decrease volume
	Increase volume
	Enable / disable microphones
	Darken display
	Brighten display
	Manage external displays

	Enable / disable wireless
	Open / collapse notification center
	Answer incoming calls This function only works with some apps, such as Skype for Business 2016 and Microsoft Teams 1.0. By default, the function works with Skype for Business 2016. You can change the default setting on the Vantage app.
	Decline incoming calls This function only works with some apps, such as Skype for Business 2016 and Microsoft Teams 1.0. By default, the function works with Skype for Business 2016. You can change the default setting on the Vantage app. Note: You can also press F11 to hang up ongoing calls on Skype for Business 2016.
	Open the Vantage app. You can customize the function of this key on the Vantage app.
	Open Snipping Tool
	Toggle keyboard backlight (for selected models)
	Break operation
	Pause operation
	Scroll contents
	Send system request
	Enter sleep mode To wake up the computer, press Fn or the power button.
	Go to beginning
	Go to end

Use the TrackPoint pointing device

The TrackPoint pointing device enables you to perform all the functions of a traditional mouse, such as pointing, clicking, and scrolling.

Use the TrackPoint pointing device



TrackPoint pointing stick

Use your finger to apply pressure to the pointing-stick nonslip cap in any direction parallel to the keyboard. The pointer on the screen moves accordingly. The higher the pressure applied, the faster the pointer moves.



TrackPoint buttons

The left-click button and right-click button correspond to the left and right buttons on a traditional mouse. Press and hold the dotted middle button while using your finger to applying pressure to the pointing stick in the vertical or horizontal direction. Then, you can scroll through the document, Web site, or apps.

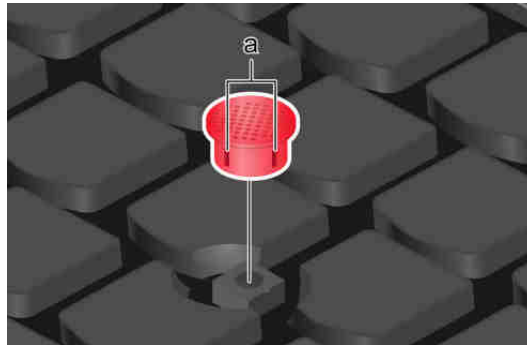
Disable the TrackPoint pointing device

The TrackPoint pointing device is active by default. To disable the device:

1. Open the **Start** menu, and then click **Settings → Devices → Mouse**.
2. Follow the on-screen instructions to disable TrackPoint.

Replace the pointing-stick nonslip cap

Note: Ensure that the new cap has grooves **a**.



Use the trackpad

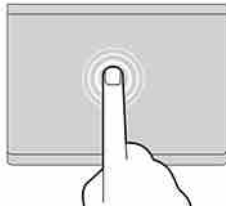
You can use the trackpad to perform all the pointing, clicking, and scrolling functions of a traditional mouse.

Use the trackpad

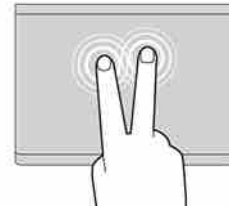


	Left-click zone		Right-click zone
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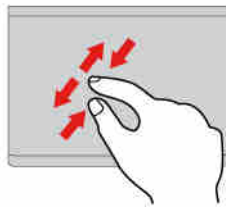
Use the touch gestures



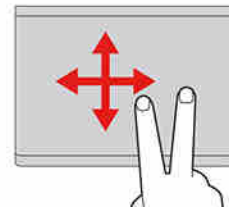
Tap once to select or open an item.



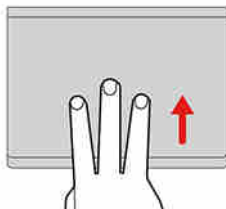
Tap twice quickly to display a shortcut menu.



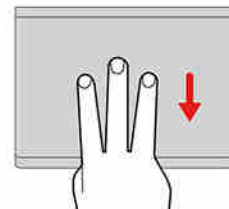
Two-finger zoom in or zoom out.



Scroll through items.



Open the task view to see all open windows.



Show the desktop.

Notes:

- When using two or more fingers, ensure that you position your fingers slightly apart.
- Some gestures are not available if the last action was done from the TrackPoint pointing device.
- Some gestures are only available when you are using certain apps.
- If the trackpad surface is stained with oil, turn off the computer first. Then, gently wipe the trackpad surface with a soft and lint-free cloth moistened with lukewarm water or computer cleaner.

For more gestures, see the help information of the pointing device.

Disable the trackpad

The trackpad is active by default. To disable the device:

1. Open the **Start** menu, and then click **Settings → Devices → Touchpad**.
2. In the Touchpad section, turn off the **Touchpad** control.

Use the touch screen (for selected models)

If your computer display supports the multi-touch function, you can navigate the screen with simple touch gestures.

Note: Some gestures might not be available when you are using certain apps.



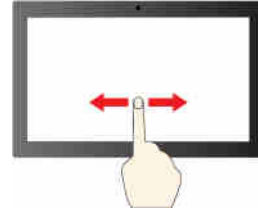
Tap once to single click



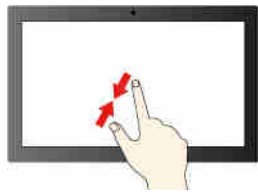
Tap twice quickly to double-click



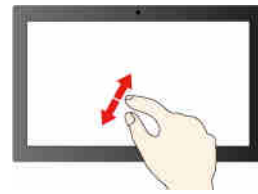
Tap and hold to right-click



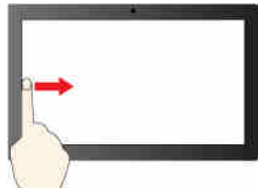
Slide to scroll through items



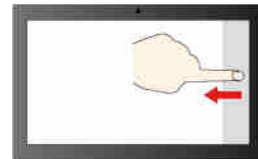
Zoom out



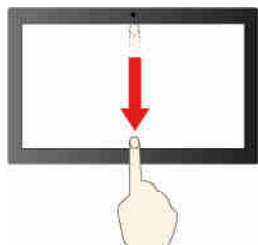
Zoom in



Swipe from the left: view all open windows



Swipe from the right: open action center



Swipe downwards shortly: show title bar

Swipe downwards: close the current app



Drag

Maintenance tips:

- Turn off the computer before cleaning the touch screen.
- Use a dry, soft, and lint-free cloth or a piece of absorbent cotton to remove fingerprints or dust from the touch screen. Do not apply solvents to the cloth.
- The touch screen is a glass panel covered with a plastic film. Do not apply pressure or place any metallic object on the screen, which might damage the touch panel or cause it to malfunction.
- Do not use fingernails, gloved fingers, or inanimate objects for input on the screen.
- Regularly calibrate the accuracy of the finger input to avoid a discrepancy.

Connect to an external display

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

Connect to a wired display

1. Connect the external display to an appropriate video connector on your computer, such as the USB-C connector (USB 3.2 Gen 1), Thunderbolt connector, and HDMI connector.
2. Connect the external display to an electrical outlet.
3. Turn on the external display.

If your computer cannot detect the external display, right-click a blank area on the desktop, and then click **Display settings → Detect**.

Supported resolution

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

Connect the external display to	Supported resolution
the USB-C connector	Up to 5120 x 3200 pixels / 60 Hz
the Thunderbolt connector	Up to 5120 x 3200 pixels / 60 Hz
the HDMI connector	Up to 4096 x 2304 pixels / 60 Hz

Connect to a wireless display

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

- Open the **Start** menu, and then click **Settings → Devices → Bluetooth & other devices → Add Bluetooth or other device**. In the Add a device window, click **Wireless display or dock**. Then, follow the instructions on the screen.
- Click the action center icon  in the Windows notification area and click **Connect**. Select the wireless display and follow the on-screen instructions.

Set the display mode

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

- **Duplicate these displays:** Display the same video output on both your computer screen and an external display.
- **Extend these displays:** Extend the video output from your computer display to an external display. You can drag and move items between the two displays.

- **Show only on 1:** Display the video output only on your computer screen.
- **Show only on 2:** Display the video output only on an external display.

If you show programs using DirectDraw or Direct3D® in full-screen mode, only the main display shows the video output.

Change display settings

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

You can change the settings for both the computer display and the external display. For example, you can define which one is the main display and which one is the secondary display. You also can change the resolution and orientation.

Note: If you set a higher resolution for the computer display than the external display, only part of the screen can be displayed on the external display.

Get to know YOGA modes (for L13 Yoga Gen 2 and S2 Yoga Gen 6 only)

Your computer display can be rotated to any angle up to 360 degrees.

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



Your computer features the following four YOGA modes. You can switch among different modes according to your preference.

Note: The keyboard and the pointing devices are automatically disabled in the stand mode, tent mode, and tablet mode. Use the touch screen to control your computer instead.



Notebook mode



Stand mode



Tent mode



Tablet mode

Use ThinkPad Pen Pro (for L13 Yoga Gen 2 and S2 Yoga Gen 6 only)

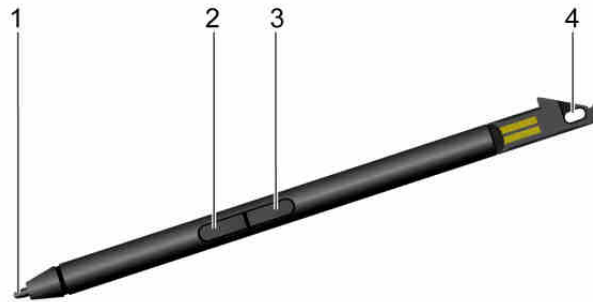
The ThinkPad Pen Pro is an electronic pen stored in the pen slot. To use the pen, slide it out of the slot.



Notes:

- The ThinkPad Pen Pro is not waterproof. Keep the pen away from water and excessive moisture.
- To purchase the ThinkPad Pen Pro, go to <https://www.lenovo.com/accessories>.

Use the ThinkPad Pen Pro



1 Tip

2 Eraser button

3 Right-click button

4 Pen tether hole

You can perform the following operations with the ThinkPad Pen Pro:

- To click or make a selection, tap the display once.
- To double-click, tap twice without pausing.
- To right-click, tap the tip **1** on the display and hold the pen there for one second. Alternatively, you can press and hold the right-click button **3** while tapping the tip **1** on the display.
- To erase ink, press and hold the eraser button **2**, tap the tip **1** on the display, and drag the pen across the ink you want to erase.
- To protect your pen from loss, use a tether to tie the pen through the pen tether hole **4**.

Check the battery status of the ThinkPad Pen Pro

1. Tap the pen tip on the computer screen before checking battery status of the pen. Otherwise, the battery status as shown in Lenovo Pen Settings might not be accurate.
2. Type **Lenovo Pen Settings** in the search box to open **Lenovo Pen Settings**. A battery icon is displayed on the upper right corner.
3. Move the mouse pointer on the battery icon to check the battery status.

If the battery of the pen is low, insert the pen back to the pen slot for charging.

Charge the ThinkPad Pen Pro

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

Chapter 3. Explore your computer

Lenovo apps

This section provides introduction to the Vantage and Lenovo Quick Clean apps.

The Vantage app

The preinstalled 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 search box.

Key features

The Vantage app enables you to:

- Know the device status easily and customize device settings.
- Download and install UEFI BIOS, firmware, and driver updates to keep your computer up-to-date.
- Monitor your computer health, and secure your computer against outside threats.
- Scan your computer hardware and diagnose hardware problems.
- Look up warranty status (online).
- Access *User Guide* and helpful articles.

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.

Lenovo Quick Clean



Depending on the model, your computer might support the Lenovo Quick Clean feature. The preinstalled Lenovo Quick Clean enables you to temporarily disable the keyboard, screen, trackpad, and TrackPoint pointing device for cleaning.

To access Lenovo Quick Clean, do one of the following:

- Open the Start menu and click **Lenovo Quick Clean**.
- Type *Lenovo Quick Clean* in the search box.
- Press *Fn* and the right *Shift* key at the same time.

To download the latest version of Lenovo Quick Clean, go to <https://pcsupport.lenovo.com>.

Smart features (for selected models)

Your computer might be preinstalled with Glance by Mirametrix. Glance can capture your head movement through camera and makes your computer smarter and more efficient.