



Item	Description	Item	Description
	Microphone		Infrared camera / Camera
	Webcam privacy shutter		Touch screen
	TrackPoint® pointing stick		Fingerprint reader
	Trackpad / Haptic Touchpad		

\* for selected models

**Note:** Depending on models, your computer comes with either a Trackpad or a Haptic Touchpad. NFC function is for selected models with trackpad.



## Webcam privacy shutter

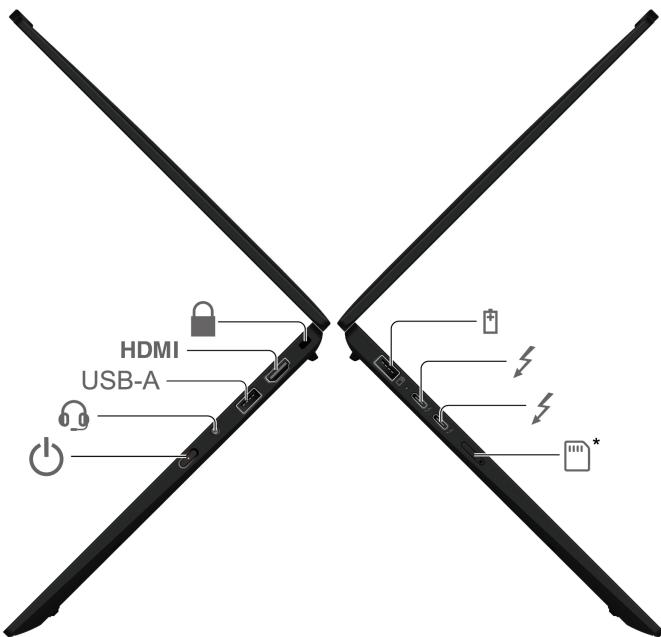
Slide the webcam privacy shutter to cover or uncover the camera lens. It is designed to protect your privacy.

### Related topics

- “Use the TrackPoint pointing device” on page 13
- “Use the Haptic Touchpad / trackpad” on page 15
- “Use the touch screen (for selected models)” on page 19
- “User Presence Sensing (for selected models)” on page 38
- “Lock on leave function (for selected models only)” on page 40
- “Log in with your fingerprint” on page 37
- “Log in with face recognition (for selected models)” on page 38
- “Protect your privacy (for selected models)” on page 40

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## Side view



Item	Description	Item	Description
	USB-A connector (USB 5Gbps, Always On USB)		USB-C® connector (Thunderbolt™ 4)
	Nano-SIM-card tray		Power button
	Audio connector		USB-A connector (USB 5Gbps)
<b>HDMI</b>	HDMI™ connector		Security-lock slot

### 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 (Gbps)
Thunderbolt 3	40
Thunderbolt 4	40

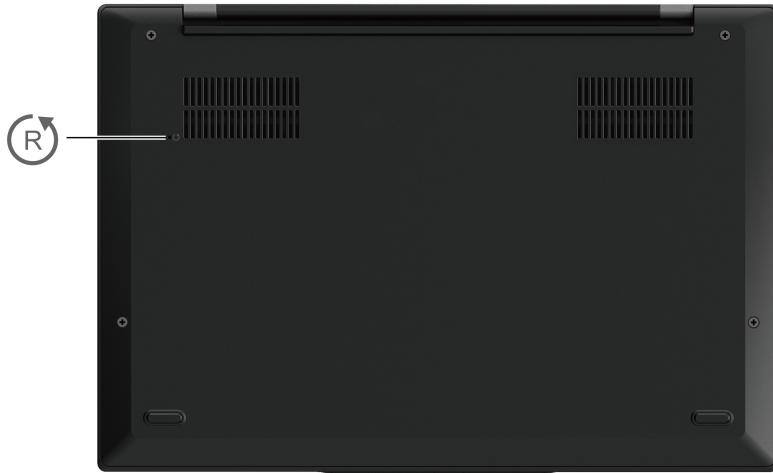
### Related topics

- “USB specifications” on page 8
- “Access networks” on page 11
- “Connect to an external display” on page 21

- “Charge the computer” on page 32
- “Lock the computer” on page 37

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## Bottom view



**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

Specification	Description
<b>Memory</b>	Low Power Double Data Rate 5 (LPDDR5), soldered on board, up to 64 GB
<b>Storage device</b>	One slot, 2280 M.2 solid-state drive, up to 2 TB <b>Note:</b> In case of M.2 SSD replacement, your computer only supports single-sided M.2 SSD. Double-sided M.2 SSD is not applicable due to the height limitation of the slot.
<b>Audio</b>	<ul style="list-style-type: none"><li>• Dolby Atmos®</li><li>• Dolby Voice®</li></ul>
<b>Display</b>	<ul style="list-style-type: none"><li>• 120 Hz refresh rate OLED display*</li><li>• Color display with In-Plane Switching (IPS) technology</li><li>• Display ratio: 16:10</li><li>• Display resolution: 2880 x 1800 pixels or 1920 x 1200 pixels</li><li>• Multi-touch technology*</li><li>• Eye Comfort certified*</li><li>• Dolby Vision®</li></ul>
<b>Security features</b>	<ul style="list-style-type: none"><li>• Face authentication*</li><li>• User Presence Sensing*</li><li>• Human presence detection*</li><li>• Fingerprint reader*</li><li>• Lenovo View Privacy Guard*</li><li>• Lenovo View Privacy Alert*</li><li>• ePrivacy panel*</li><li>• Trusted Platform Module (TPM) 2.0*</li></ul>
<b>Wireless features</b>	<ul style="list-style-type: none"><li>• Bluetooth</li><li>• NFC*</li><li>• GPS (on wireless WAN model)*</li><li>• Wireless LAN</li><li>• Wireless WAN (4G or 5G)*</li></ul> <p><b>Note:</b> The 4G or 5G 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.</p>

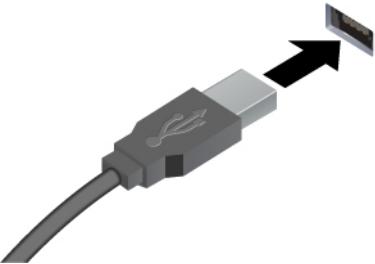
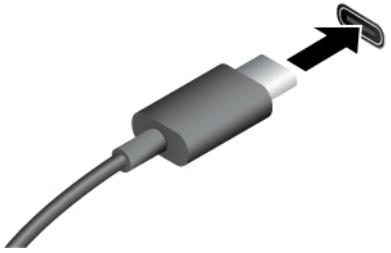
\* for selected models

## USB specifications

### Notes:

- Depending on the model, some USB connectors might not be available on your computer.
- On very rare occasions, the USB-C compatible devices connected to the USB-C connector might interfere with the wireless features. If your computer cannot be connected to Wi-Fi or cellular network, or if

your location cannot be pinpointed through the GPS function, detach the USB-C compatible devices from the USB-C connector.

Connector name	Description
	Connect USB-compatible devices, such as a USB keyboard, USB mouse, USB storage device, or USB printer.
<ul style="list-style-type: none"><li>• USB-A connector (Hi-Speed USB)</li><li>• USB-A connector (USB 5Gbps)</li><li>• USB-A connector (USB 10Gbps)</li></ul> 	<ul style="list-style-type: none"><li>• Charge USB-C compatible devices with the output voltage and current of 5 V and 1.5 A.</li><li>• Connect to an external display:<ul style="list-style-type: none"><li>– USB-C to VGA: up to 1920 x 1200 pixels, 60 Hz</li><li>– USB-C to DP: up to 5120 x 3200 pixels, 60 Hz</li></ul></li><li>• Connect to USB-C accessories to help expand your computer functionality. To purchase USB-C accessories, go to <a href="https://www.lenovo.com/accessories">https://www.lenovo.com/accessories</a>.</li></ul>



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## Chapter 2. Get started with your computer

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### Access networks

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

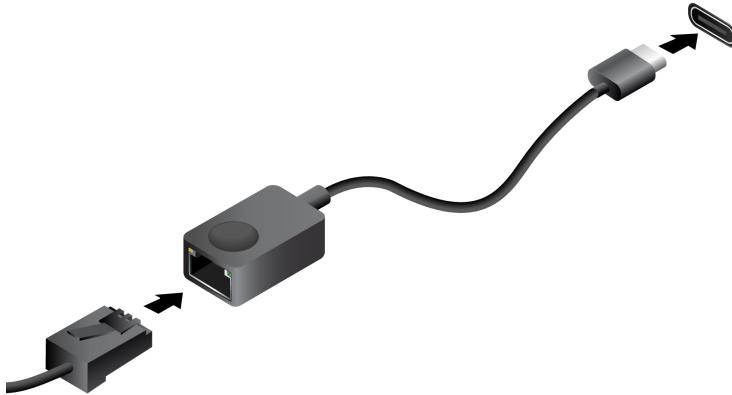
#### Connect to Wi-Fi networks

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

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

#### Connect to the wired Ethernet

To connect your computer to a local network, you need a Lenovo USB-C to Ethernet Adapter. Lenovo USB-C to Ethernet Adapter is available as an option and shipped with some computer models. You can purchase one from Lenovo at <https://www.lenovo.com/accessories>.



#### Connect to a cellular network (for selected models)

To connect a 4G or 5G cellular data network, you must have a wireless wide area network (WWAN) card and a nano-SIM card installed. The nano-SIM card might come with your computer by countries or regions. If no nano-SIM card is shipped, you will need to purchase one from authorized service carriers.

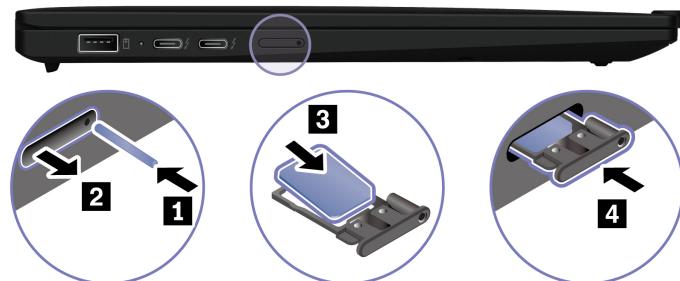
##### Notes:

- Depending on model, your computer might have no WWAN card installed.
- The 4G or 5G cellular service is provided by authorized mobile service carriers in some countries or regions. You must have a cellular plan from a service carrier to connect to the cellular network. The cellular data plan might vary by location.
- Network connection speeds might also vary by location, environment, network conditions and other factors.

To establish a cellular connection:

1. Turn off the computer.

2. Insert a straightened paper clip into the hole in the nano-SIM-card tray. The tray ejects. Install a nano-SIM card as shown and insert the tray into the nano-SIM card slot. Note the orientation of the card and ensure that it is seated correctly.



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

### Turn on the Airplane mode

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

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

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## Interact with your computer

Your computer provides you various ways to navigate the screen.

### Use the keyboard shortcuts

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

The following tables describe the functions of keyboard shortcuts.

#### FnLock and function keys

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

Key / Key combination	Function description
	Enable / Disable the microphone.
 +	Increase screen brightness.
 -	Decrease screen brightness.
 	Select and set up display devices.
Mode	Change performance modes.
PrtSc	Print Screen.
	Open Snipping Tool.
	Open Microsoft® Phone Link.
☆	Open the Vantage app.

### Other general keyboard shortcuts

Key combination	Function description
Fn + 	Adjust the keyboard backlight.
Fn + <	Go to beginning.
Fn + >	Go to end.
Fn + Tab	Open Magnifier.
Fn + 4	Enter sleep mode.
Fn + B	Break operation.
Fn + K	Scroll contents.
Fn + P	Pause operation.
Fn + S	Send system request.

\* for selected models

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

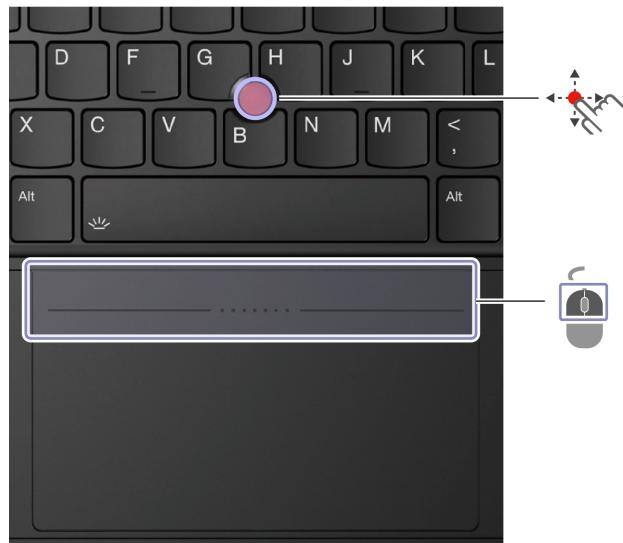
For more keyboard shortcuts, go to <https://support.lenovo.com/us/en/solutions/windows-support>.

## 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

### Haptic Touchpad



### Trackpad



### 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.

Press **Ctrl + dotted middle button + TrackPoint pointing stick** at the same time to zoom in or zoom out.

## 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.

## Disable the TrackPoint buttons (for Haptic Touchpad models only)

The TrackPoint buttons are enabled by default. To disable the TrackPoint buttons:

1. Open the **Start** menu, and then click **Settings** → **Bluetooth & devices** → **Touchpad**.
2. In the Sensel Haptic Touchpad section, click **Settings**.
3. In the TrackPoint Buttons section, turn off **Use top zone as TrackPoint buttons**.

## Replace the pointing-stick nonslip cap

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

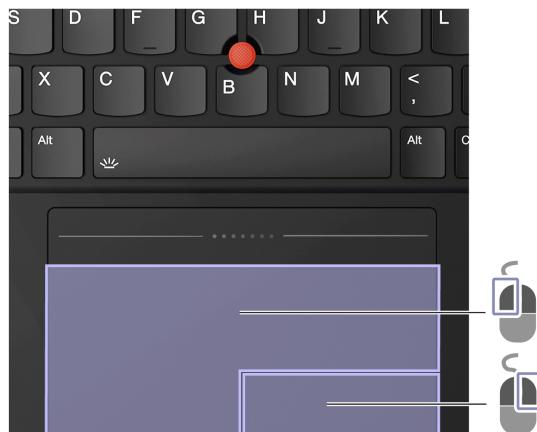


## Use the Haptic Touchpad / trackpad

You can use the trackpad to perform all the pointing, clicking, and scrolling functions of a traditional mouse. It is ideal for you to use for occasions with high portability requirements, for example, business trips.

### Use the Haptic Touchpad / trackpad

- When TrackPoint buttons are enabled



- When TrackPoint buttons are disabled (for Haptic Touchpad only)