

User Guide



ThinkPad. X1 Nano Gen 1

Lenovo

Read this first

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

- *Safety and Warranty Guide*
- *Genetic Safety and Compliance Notices*
- *Setup Guide*

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Discover your notebook computer

Thank you for choosing 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

Front view

For touch models



For non-touch models



IR camera



ThinkShutter



HPD (Human Presence Detection) sensor



Touch screen



Speaker



TrackPoint® pointing stick



Fingerprint reader



TrackPoint buttons

* for selected models



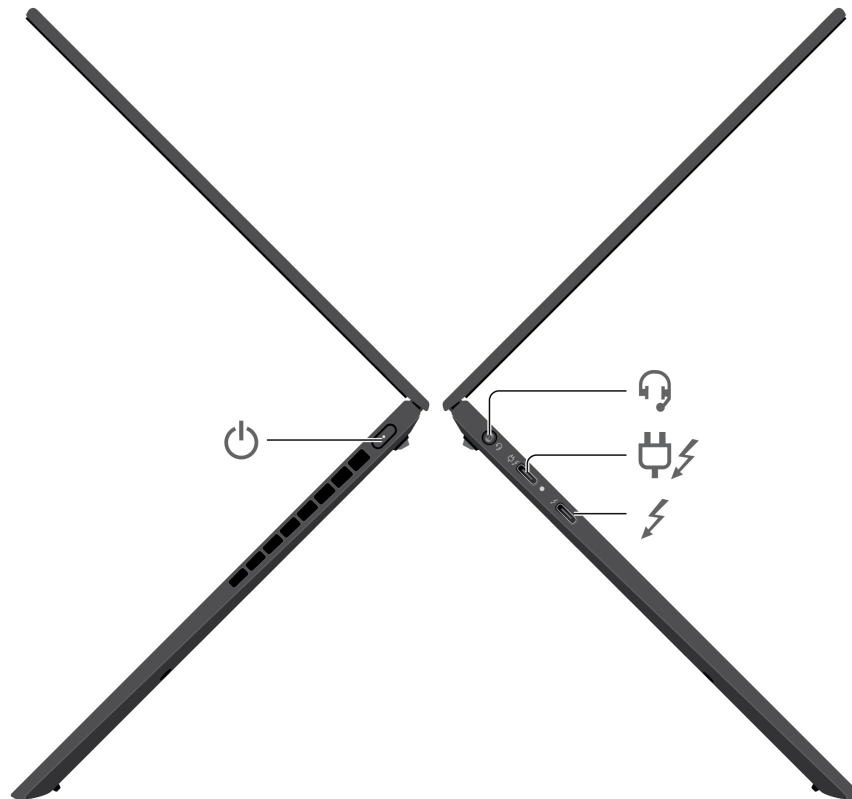
ThinkShutter

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

Related topics

- “Log in with your face ID” on page 19
- “Detect your presence (for selected models)” on page 20
- “Use the touch screen” on page 12
- “Use the TrackPoint pointing device” on page 10
- “Log in with your fingerprint (for selected models)” on page 19

Side view



Audio connector



Power connector



Thunderbolt™ 4 connector (USB-C)

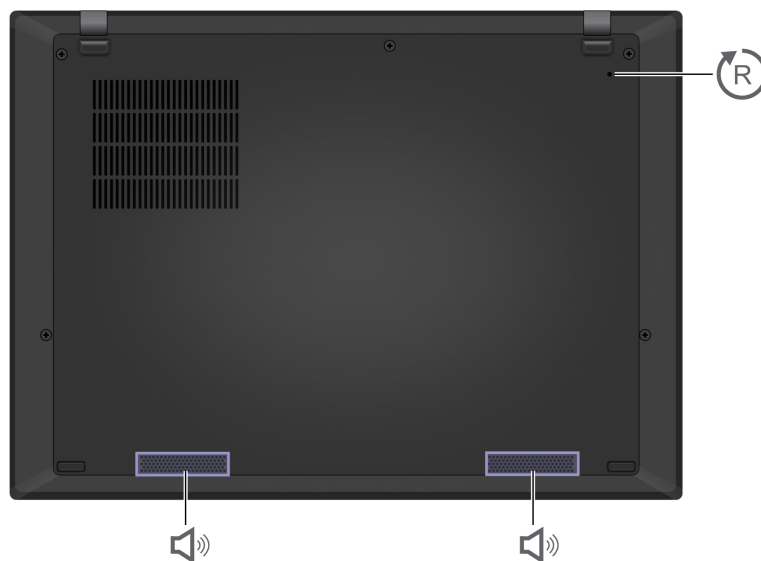


Power button

Related topics

- “Charge the computer” on page 17
- “USB specifications” on page 5

Bottom view

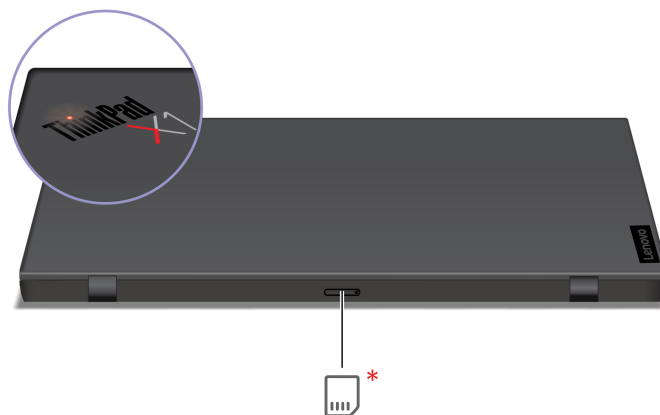


Emergency-reset hole



Speaker

Rear view



Nano-SIM-card tray

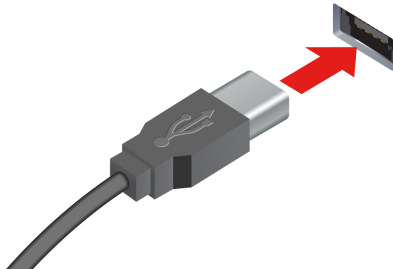



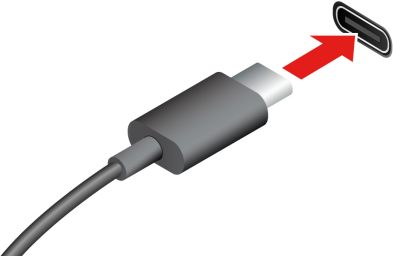




* for selected models

Related topics

“Connect to a cellular network” on page 8

USB specifications

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

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">•  USB 2.0 connector•  USB 3.2 connector Gen 1•  USB 3.2 connector Gen 2	
	<ul style="list-style-type: none">• Charge USB-C compatible devices with the output voltage and current of 5 V and up to 3 A.• Connect to an external display:<ul style="list-style-type: none">– USB-C to VGA: 1900 x 1200 pixels, 60 Hz– USB-C to DP: 3840 x 2160 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.
<ul style="list-style-type: none">•  USB-C (3.2 Gen 1) connector•  USB-C (3.2 Gen 2) connector•  Thunderbolt 3 connector (USB-C)•  Thunderbolt 4 connector (USB-C)	

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 connector (USB-C)	40
Thunderbolt 4 connector (USB-C)	40

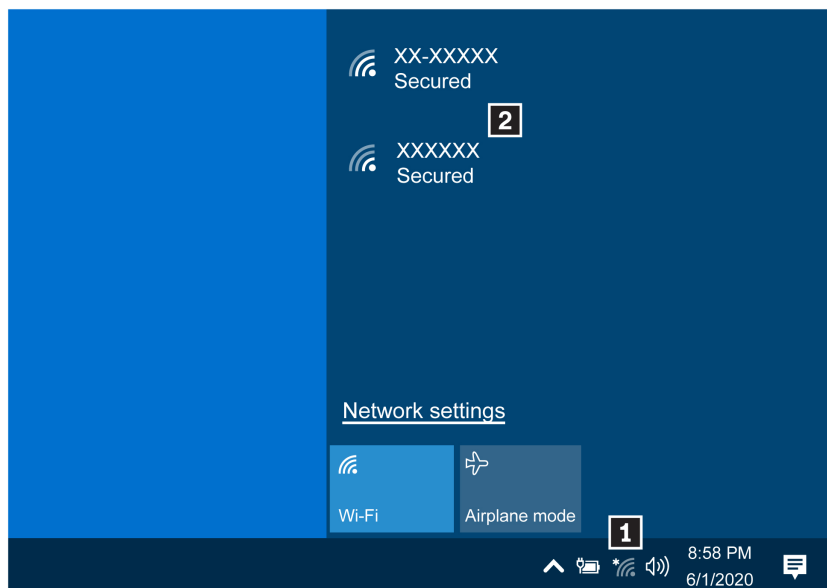
Chapter 2. Get started with your computer

Access networks

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

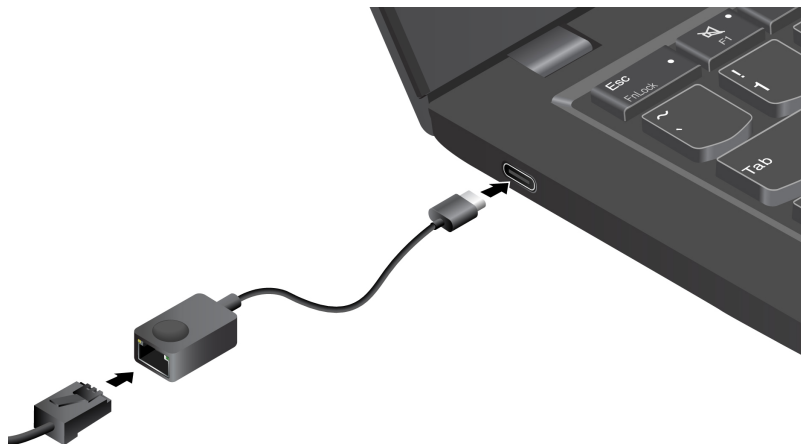
Connect to Wi-Fi networks

Click the network icon in the Windows notification area, and then select a network for connection.



Connect to the wired Ethernet

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



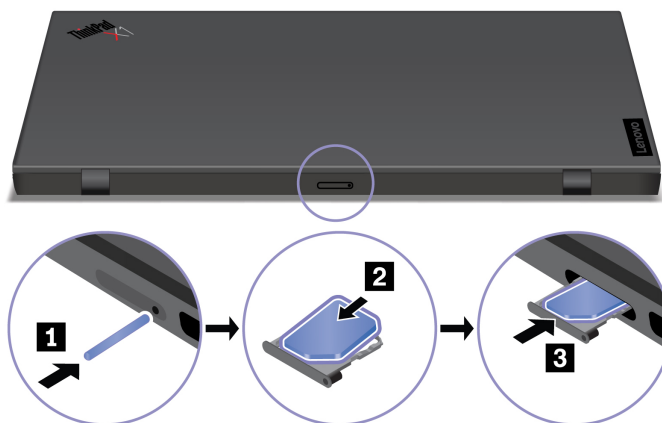
Connect to a cellular network


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 using the cellular signal.

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 a 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 in the Windows notification area, and then select the cellular network icon  from the list.
5. Provide required information, if needed.

Turn on the Airplane mode

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

To enable the Airplane mode:

1. Open the **Start** menu.
2. Click **Settings** → **Network & Internet** → **Airplane mode**.
3. Turn on the **Airplane mode** switch.

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.



Enable / disable speakers



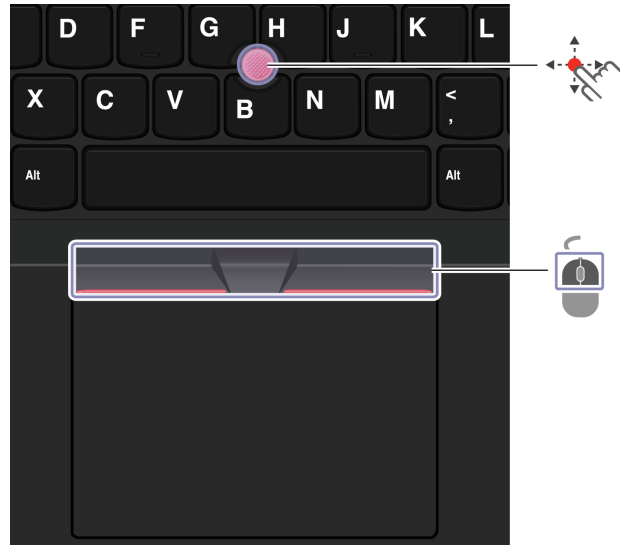
Decrease volume

	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 Lenovo Vantage.
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 Lenovo Vantage.
Note: You can also press F11 to hang up ongoing calls on Skype for Business 2016.	
	Customize function key on Lenovo Vantage
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
Fn+Spacebar	Toggle keyboard backlight
Fn+B	Break operation
Fn+P	Pause operation
Fn+K	Scroll contents
Fn+S	Send system request
Enter sleep mode	
Fn+4	To wake up the computer, press Fn or the power button.
Fn+Left arrow key	Go to beginning
Fn+Right arrow key	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 those of 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.

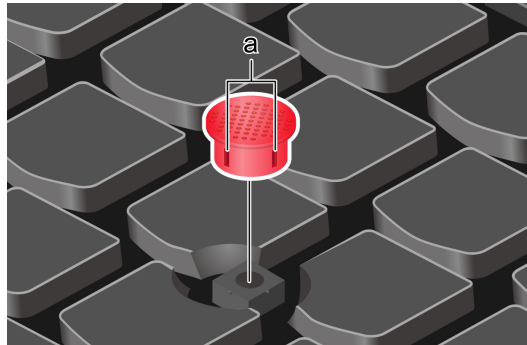
Disable the TrackPoint pointing device

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

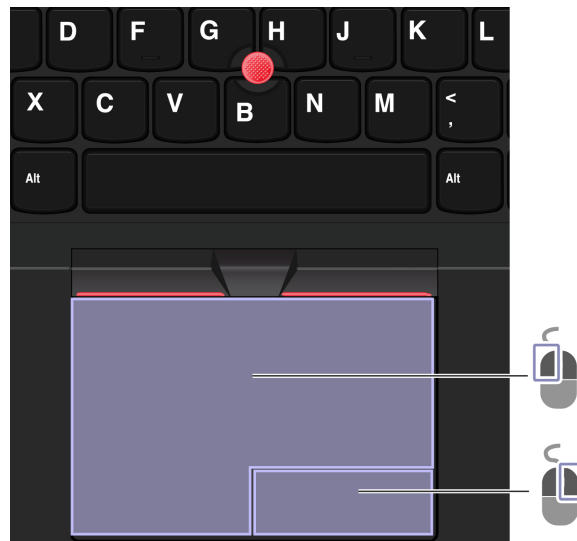
Note: Ensure that the new cap has grooves **a**.



Use the trackpad

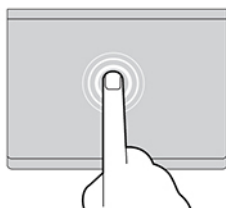
You can use the trackpad to perform all the pointing, clicking, and scrolling functions of a traditional mouse.

Use the trackpad

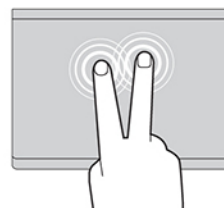


 Left-click zone	 Right-click zone
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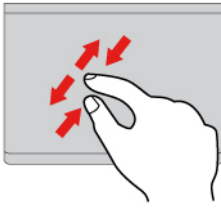
Use the touch gestures



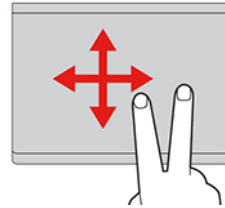
Tap once to select or open an item.



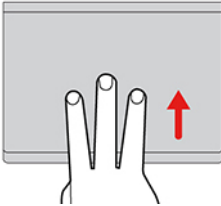
Tap twice quickly to display a shortcut menu.



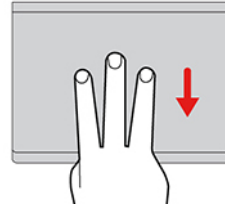
Two-finger zoom in or zoom out.



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

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

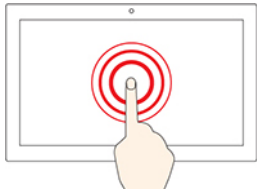
Note: Some gestures might not be available depending on the app you use.



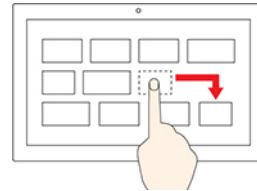
Tap once to single click



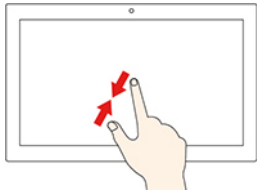
Tap twice quickly to double-click



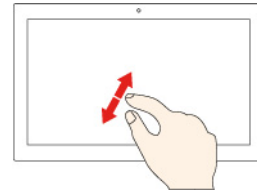
Tap and hold to right-click



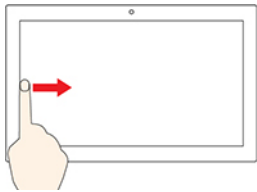
Drag



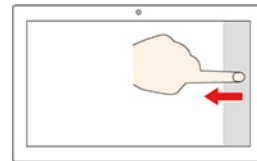
Zoom out



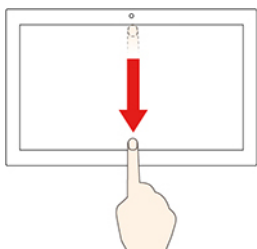
Zoom in



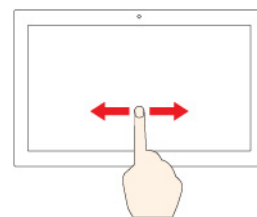
Swipe from the left: view all open windows



Swipe from the right: open the action center



Swipe downwards shortly: show title bar
Swipe downwards: close the current app



Slide to scroll through items

Maintenance tips:

- Turn off the computer before cleaning the multi-touch screen.
- Use a dry, soft, and lint-free cloth or a piece of absorbent cotton to remove fingerprints or dust from the multi-touch screen. Do not apply solvents to the cloth.
- The multi-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 the **Thunderbolt 4 connectors** (USB-C) on your computer.
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


When you connect the external display to the Thunderbolt 4 connectors (USB-C), the supported maximum resolution is up to **5120 x 3200 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.

Press  +  and then select a wireless display to connect with.

Set the display mode

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

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.

Chapter 3. Explore your computer

Lenovo apps

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

Lenovo Vantage



The preinstalled Lenovo Vantage 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 Lenovo Vantage, do the following:

Open the **Start** menu and click **Lenovo Vantage**. You can also type *Lenovo Vantage* in the search box.

Key features

Lenovo Vantage 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.
- Look up warranty status (online).
- Access *User Guide* and helpful articles.

Notes:

- The available features vary depending on the computer model.
- Lenovo Vantage 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.

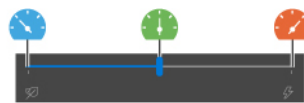
To download the latest version of Lenovo Quick Clean, go to <https://pcsupport.lenovo.com>.

Intelligent Cooling

The Intelligent Cooling feature helps you adjust fan speed, computer temperature and performance. This feature works in auto mode by default. Press Fn+T to switch between manual mode and auto mode.

Manual mode

-  Quiet mode: the least fan noise
-  Balanced mode: balanced performance and noise
-  Performance mode: the highest performance and normal noise



on ac power





on battery power

Do the following to select the preferred mode:

1. Click the battery status icon in the Windows notification area.
2. Move the slider to the left or right to select your preferred mode.

Auto mode

-  Auto battery mode: Switch between quiet mode or battery mode automatically based on the amount of system activity.
-  Auto performance mode: Switch between quiet mode, balanced mode or performance mode automatically based on the amount of system activity.

The auto mode of the Intelligent Cooling feature is not supported on computers with Linux® operating system.

Manage power

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

Check the battery status

Click the battery icon in windows notification area to check the battery status, view the current power plan, change the power mode, and access battery settings quickly. For more details about your battery, refer to Lenovo Vantage.

