

# User Guide



Lenovo

IdeaPad Duet 5 (12", 7)

## Read this first

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

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

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## About this guide

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

Model name	Machine type (MT)
IdeaPad Duet 5 12IAU7	82TQ

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

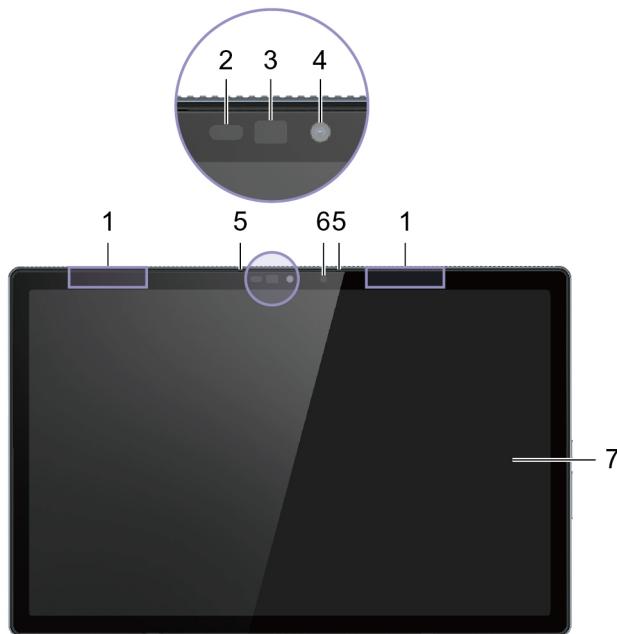


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# Chapter 1. Meet your computer

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## Front



1. Wi-Fi antennas	Send and receive radio waves for the built-in wireless LAN (local area network) and Bluetooth module. <b>Note:</b> The antennas are not visible from the outside of the computer.
2. Time of flight (ToF) sensor	Detect user behavior and adjust settings automatically. <b>Note:</b> If your computer is in Tablet, Stand or Detached mode, the sensor works at the appropriate angle.
3. Infrared LED	Emit infrared light for face authentication.
4. Front camera	<ul style="list-style-type: none"><li>Capture still and moving images for taking photos, recording videos, and video chatting.</li><li>Capture your face images for face authentication.</li></ul> <b>Note:</b> Use Windows Hello to enroll your face for face authentication.
5. Microphones	Capture or record sound and voice.
6. Ambient light sensor (ALS)	Detect the amount of light in the environment and adjust the backlight of the display accordingly.
7. Screen	Display text, graphics, and videos. Selected models support multi-touch function.

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## Left



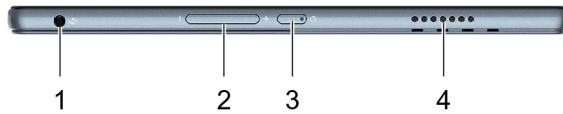
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1. Speaker	Produce sound.
2. Power connectors/USB-C® connector (always-on)	<ul style="list-style-type: none"><li>• Plug the ac power adapter into the connector to provide power to the computer and charge the internal battery.</li><li>• Connect to an external display, storage, or data devices.</li><li>• Support DisplayPort 1.2 (3860 × 2160 60Hz).</li></ul> <p><b>Note:</b> An appropriate adapter may be needed for connecting external devices.</p> <ul style="list-style-type: none"><li>• The always-on connector can charge external devices when the computer is turned off, in sleep or hibernation mode. The always-on function can be turned on or off in the UEFI/BIOS setup utility.</li></ul> <p><b>Note:</b> If Lenovo Vantage is pre-installed on your computer, you can also set always-on function from within that software.</p>
3. Charging light	Indicate whether the computer is connected to ac power. <ul style="list-style-type: none"><li>• Solid white: connected to ac power; battery capacity 91%–100%</li><li>• Solid amber: connected to ac power; battery capacity 1%–90%</li><li>• Off: not connected to ac power</li></ul>
4. Power connectors/USB-C connector	<ul style="list-style-type: none"><li>• Plug the ac power adapter into the connector to provide power to the computer and charge the internal battery.</li><li>• Connect to an external display, storage, or data devices.</li><li>• Support DisplayPort 1.2 (3860 × 2160 60Hz).</li></ul> <p><b>Note:</b> An appropriate adapter may be needed for connecting external devices.</p>

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## Right



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1. Combo audio jack	Connect headphones or headsets with a 3.5 mm (0.14 inch), 4-pole plug. <b>Note:</b> This jack does not support standalone external microphones. If you use headsets, choose one with a single plug.
2. Volume buttons	Press the button to increase or decrease the system volume.
3. Power button (with a light)	<ul style="list-style-type: none"><li>Press the button to turn on the computer or put the computer into sleep mode.</li><li>The power button has an integrated light to show the power status.<ul style="list-style-type: none"><li>On: The computer is turned on.</li><li>Off: The computer is turned off or in hibernation mode.</li><li>Blinking: The computer is in sleep mode.</li></ul></li></ul>
4. Speaker	Produce sound.

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## Rear



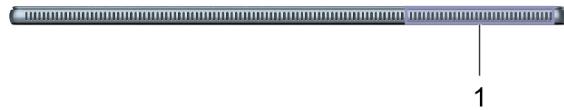
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1. Rear camera	Capture still and moving images for taking photos, recording videos, and video chatting.
2. Kickstand hinges	Pivot the kickstand.
3. Kickstand	Support your computer when it is placed on a surface.

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## Top



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### 1. Ventilation slots (inlet)

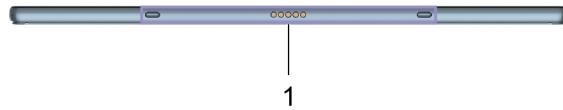
Maintain the incoming airflow to dissipate internal heat.

**Note:** Do not block the ventilation slots. Otherwise, the computer might overheat, and could cause discomfort or even a skin burn to you.

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## Bottom



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### 1. Pogo pin with guide pin

The pogo pin with guide enables you to attach the keyboard to your computer magnetically.

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## Bluetooth folio keyboard (for selected models)



1. Pogo pin with guide pin	The pogo pin with guide pin enables you to attach the keyboard to your computer magnetically.
2. Bluetooth folio keyboard switch	Push the switch to a different position to enable the following functions. <ul style="list-style-type: none"><li>• Off position: Keyboard is turned off.</li><li>• Middle position: Keyboard is turned on and will connect with the latest connected device.</li><li>• Bluetooth icon position: Press and hold the Bluetooth folio keyboard switch to the Bluetooth icon position for three seconds. The keyboard will enable Bluetooth pairing.</li></ul> <p><b>Note:</b> The spring switch will move back to the middle position automatically after releasing the switch.</p>
3. Bluetooth light	<ul style="list-style-type: none"><li>• Solid amber: Keyboard is charging through the pogo pin.</li><li>• Continuously blinking white (up to 1 min): Pairing</li><li>• Solid white (for three seconds) and then off: Paired</li><li>• White: Keyboard is working and connected with pogo pin.</li><li>• Blinking amber: Battery power is low.</li><li>• Off:<ul style="list-style-type: none"><li>– Keyboard is fully charged and connected with pogo pin.</li><li>– The keyboard battery has no power.</li></ul></li></ul>
4. Touchpad	Perform finger touch and all the functions of a traditional mouse. <b>Note:</b> The touchpad also supports multi-touch function.
5. Keyboard	Enter characters and interact with programs. <b>Note:</b> The keyboard also includes hotkeys and function keys for changing settings and performing tasks quickly.

## Features and specifications

Dimensions	<p>Tablet:</p> <ul style="list-style-type: none"><li>Width: 288.3 mm (11.35 inches)</li><li>Depth: 190.30 mm (7.49 inches)</li><li>Thickness: 9.45 mm (0.37 inches)</li></ul> <p>Bluetooth folio keyboard*:</p> <ul style="list-style-type: none"><li>Width: 286.7 mm (11.28 inches)</li><li>Depth: 189.72 mm (7.47 inches)</li><li>Thickness: 5.90 mm (0.23 inches)</li></ul>
ac power adapter	<ul style="list-style-type: none"><li>Input: 100 V ac–240 V ac, 50 Hz–60 Hz</li><li>Output: 20 V dc, 3.25 A</li><li>Power: 65 W</li></ul>
Battery pack	<ul style="list-style-type: none"><li>Capacity: 50 Wh</li><li>Number of cells: 4</li></ul> <p><b>Note:</b> The battery capacity is the typical or average capacity as measured in a specific test environment. Capacities measured in other environments may differ but are no lower than the rated capacity (see product label).</p>
Microprocessor	To view the microprocessor information of your computer, type system information in the Windows search box and then press Enter.
Memory	<ul style="list-style-type: none"><li>Type: On board LPDDR4X</li><li>Number of physical slots: 0</li></ul>
Secondary storage device	<ul style="list-style-type: none"><li>Type: solid-state drive</li><li>Form factor: M.2</li><li>Bus: PCI Express</li></ul>
Screen	<ul style="list-style-type: none"><li>Size: 313.69 mm</li><li>Display resolution: 2560 x 1600 pixels</li></ul> <p><b>Note:</b> The screen size is 313.69 mm when measured diagonally as a standard rectangle. The actual viewable area is less due to the rounded corners.</p>
Bluetooth folio keyboard*	<ul style="list-style-type: none"><li>Function keys</li><li>Hotkeys</li><li>Keyboard backlight*</li><li>Bluetooth folio keyboard switch*</li></ul>

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Connectors and slots	<ul style="list-style-type: none"> <li>Combo audio jack</li> <li>USB-C connector <ul style="list-style-type: none"> <li>Power input up to 65 W using the included power adapter</li> <li>Power output up to 5 V and 3 A</li> <li>USB data transfer rate up to 5 Gbps for USB 3.2 Gen 1</li> <li>DisplayPort 1.2. Supports maximum output resolution of 3860 × 2160, at 60 Hz frame rate and color depth of 8 bits.</li> </ul> </li> </ul>
<p><b>Note:</b> Data rates and performance ratings are dependent on connected devices and cables if they are used. For DisplayPort connection through a USB-C port, the listed maximum output capacity is only available on external displays with a DisplayPort, a Mini DisplayPort, or a USB-C port that supports DisplayPort Alternate Mode. For connections using a converter or an adapter, the actual output resolution may be lower.</p>	
Security	<ul style="list-style-type: none"> <li>UEFI/BIOS passwords <ul style="list-style-type: none"> <li>Administrator password</li> <li>User password</li> <li>Master hard disk password</li> <li>User hard disk password</li> </ul> </li> <li>Firmware Trusted Platform Module 2.0 (fTPM 2.0)*</li> </ul>
Wireless features	Wi-Fi and Bluetooth combo adapter

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\* for selected models

## 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.

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

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## Operating environment

### Maximum altitude (without pressurization)

3048 m (10 000 ft)

### Temperature

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

**Note:** When you charge the battery, its temperature must be no lower than 10°C (50°F).

### Relative humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage: 5% to 95% at wet-bulb temperature 27°C (81°F)

The Bluetooth folio keyboard bottom cover is fabric. Handle your keyboard with care so that you can enjoy this product for a long time. If possible, place your computer in a dry, well-ventilated area without direct exposure to sunshine. Do not use or store your computer in dusty, dirty areas, or extremely hot or cold areas.

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## Chapter 2. Get started with your computer

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### Work with Windows

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

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

Table 1. Basic settings

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

Table 2. Optional settings

Functions	Descriptions	Search by keywords
Set up face recognition	For models with a Windows Hello-compatible infrared camera, you can set up face recognition to sign in with your face.	Sign-in options

## Windows help information

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

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

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## Lenovo Vantage and Lenovo PC Manager

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

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

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

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

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

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## Connect a Bluetooth device

Bluetooth is a short-range wireless communications technology. Use Bluetooth to establish a wireless connection between your computer and another Bluetooth-enabled device within a distance of about 10 m (32.8 ft).

### To connect a Bluetooth device using swift pair

- Step 1. Turn on the Bluetooth device that supports swift pair and make it discoverable. For more information, see the document that comes with the Bluetooth device.
- Step 2. Select **Connect** when a swift pair notification appears that a new Bluetooth device was found.

### To connect a Bluetooth device using conventional pair

If you do not receive the swift pair notification, you can also do as the follows to pair a Bluetooth device.

- Step 1. Turn on the Bluetooth device and make it discoverable.

Step 2. Select  →  **Devices** → **Bluetooth and other devices** → **Add Bluetooth or other devices** → **Bluetooth**. A list of available Bluetooth devices is displayed.

Step 3. Select the target Bluetooth device and start pairing.

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## Combination of computer and Bluetooth folio keyboard (for selected models)

Align the connector of the keyboard with the computer and then attach the computer in the direction shown by the arrow.

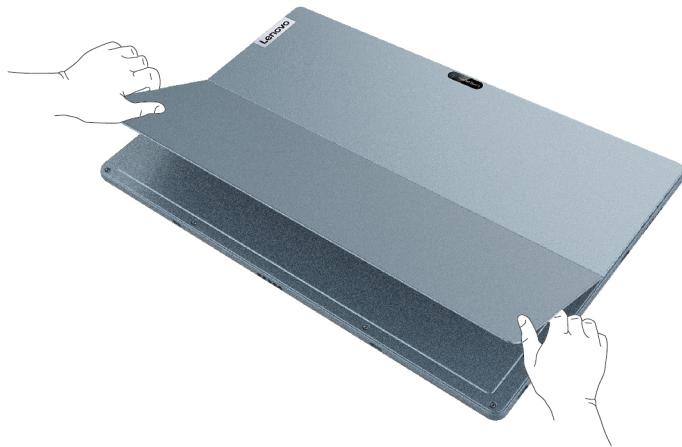
**Note:** When the computer and Bluetooth folio keyboard are physically connected there is no need for Bluetooth pairing. When separated, users need to use Bluetooth to pair the computer with the Bluetooth folio keyboard. The Bluetooth folio keyboard supports swift pair. Refer to “Connect a Bluetooth device” on page 12.



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## Use the kickstand

Your computer has a built-in kickstand. Pivot the kickstand from the pits on both sides of the computer to the open position as shown.



With the kickstand open, you can use the computer in the following modes.

- Stand mode without Bluetooth folio keyboard attached



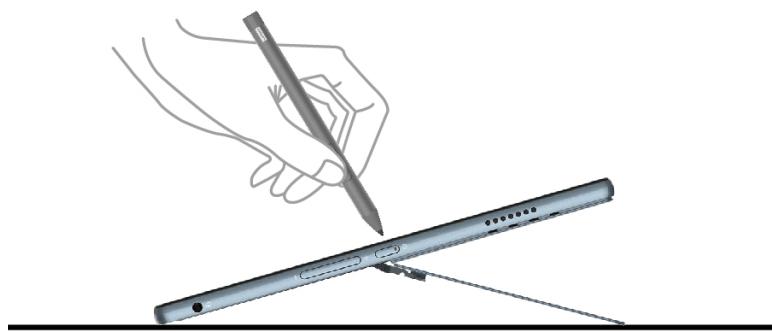
- Stand mode with Bluetooth folio keyboard attached



- Stand mode with Bluetooth folio keyboard non-attached



- Stylus mode



The kickstand is multi-positional. You can adjust the kickstand to various angles for a comfortable user experience. Do not pick up the computer when the kickstand is open. Otherwise, the computer might overheat, and could cause discomfort or even a skin burn to you.

**Attention:** The appropriate kickstand angle is 45°–150°. Using the kickstand at an improper angle may damage the computer.

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## Use a pen

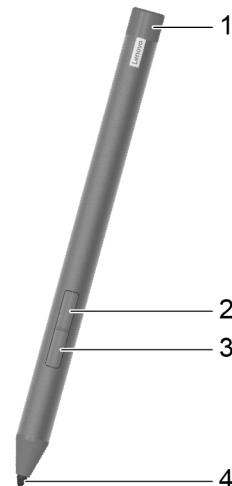
Depending on the model, your computer might come with a pen. The pen enables you to write and draw in a natural manner.

### Notes:

- The pen is not waterproof. Take care not to drop the pen in water.
- The pen contains pressure sensors. Do not push the tip of the pen for an extended period of time. Do not subject the pen to shock or vibration.
- The default function of each pen button might vary in different apps.
- Lenovo Pen Setting and Microsoft Setting are not supported on the computer.

## Lenovo Active Pen 3 (for selected models)

The Lenovo Active Pen 3 referred to as the pen in this section.



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1. Pen cap	Unscrew the pen cap to install or replace a battery.
2. Top barrel button	To right-click, hold the button and tap the screen in supported applications.
3. Bottom barrel button	To erase text or drawings, hold the button to erase the object in supported applications.
4. Pen tip	Write or draw on the touch screen.

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## Interact with your computer

### Keyboard hotkeys (for selected models)

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

Hotkey	Function
🔇	Mute/Unmute sound.
🔉+🔉+	Decrease/Increase system volume.
🔊	Mute/Unmute the microphone.
☀️-☀️+	Decrease/Increase screen brightness.
💻 💻	Switch display devices.
✈️	Turn airplane mode on and off.
⚙️	Open the Windows Settings app.
🔒	Lock the screen.
◻◻◻	Display thumbnails of all open apps.
-Calculator	Open the Windows Calculator app.
☆	Display an app launcher for quick access to Lenovo apps and services. <b>Note:</b> For some models, you may need to connect to the Internet and complete system update for this function to take effect.
✂️	Open the Windows snipping tool.
☀️	Turn on/off or adjust the brightness of the keyboard backlight. <b>Note:</b> This hotkey must be used with the Fn key.

### Hotkey mode

Some hotkeys share keys with function keys (F1 to F12).

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

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

### The FnLock switch

The FnLock is a switch that reverses the default and hidden function of a hotkey. The following table provides an example of how the FnLock switch changes the default function of the F1 key.

FnLock	FnLock light	Default function of the F1 key
Off	Off	Mute/Unmute sound
On	On	F1 function *

**Note:** The F1 function is application-dependent. It may have no function if the active application does not have a definition for the key.

The FnLock switch shares the ESC key (in the upper left corner of the keyboard). To turn it on or off, press Fn + ESC.



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## Chapter 3. Explore your computer

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### Intelligent features

#### Zero touch

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

#### Eye care mode

Eye care mode intelligently adjusts the color temperature of the screen to filter blue light, which can effectively reduce damage to the eyes, thus protecting the eyes. Eye care mode can be enabled or disabled in Lenovo Vantage, Lenovo PC Manager, or Lenovo Smart Engine.

#### Super resolution

This feature enhances the playback experience by improving the video resolution with deep learning by using the capabilities of Intel processors. It works especially well in cases where the source video has poor resolution.

For most players, super resolution can be enabled or disabled in Lenovo Vantage, Lenovo PC Manager, or Lenovo Smart Engine, but for PotPlayer, you need to enable this feature manually.

**Note:** You may need to connect to the Internet and complete update for this function to take effect.

#### PotPlayer

Step 1. Select **Settings**.

Step 2. Click **Video** → **Video Renderer** → **EVR**.

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### Manage power

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

#### Check the battery status

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

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

#### Charge the battery

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

The battery is fully charged in about two to four hours. The actual charging time depends on the battery capacity, the physical environment, and whether you are using the computer.

Battery charging is also affected by its temperature. The recommended temperature range for charging the battery is between 10°C (50°F) and 35°C (95°F).

**Note:**

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

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

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

## Set power button behavior

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

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

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

## A power plan

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

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

- Default power plan: Balanced
- Turn off the display: after 10 minutes
- Put the computer to sleep: after 10 minutes

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

## Change or customize a power plan

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

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

Step 2. Customize a power plan of your preference.

## Set performance mode

Your computer can work in different performance modes. The performance and power consumption of the computer vary in different performance modes.

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## Change settings in UEFI/BIOS setup utility

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

## What is UEFI/BIOS setup utility

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

## Open the UEFI/BIOS setup utility

- Step 1. Turn on or restart the computer.
- Step 2. When the Lenovo logo appears on the screen, press F2 (or Fn + F2) repeatedly.

## Select boot devices

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

- Step 1. Turn on or restart the computer.
- Step 2. Press F12.
- Step 3. From the boot device menu, select a boot device to start the computer.

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

## Enable or disable always-on USB function

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

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

---

## Set passwords in UEFI/BIOS setup utility

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

### Password types

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

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

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

#### Notes:

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

## Set administrator password

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

**Attention:** If you forget the administrator password, a Lenovo authorized service personnel cannot reset your password. You must take your computer to a Lenovo authorized service personnel to have the system board replaced. Proof of purchase is required and a fee will be charged for parts and service.

- Step 1. Open the UEFI/BIOS setup utility.
- Step 2. Select **Security** → **Set Administrator Password** and press Enter.
- Step 3. Enter a password string that contains only letters and numbers and then press Enter
- Step 4. Enter the password again and press Enter.
- Step 5. Select **Exit** → **Exit Saving Changes**.

Next time you start the computer, you must enter the administrator password to open the setup utility. If **Power on Password** is enabled, you must enter the administrator password or the user password to start the computer.

## Change or remove administrator password

Only the administrator can change or remove the administrator password.

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

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

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

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

## Set user password

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

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

- Step 1. Open the UEFI/BIOS setup utility using the administrator password.
- Step 2. Select **Security → Set User Password** and press Enter.
- Step 3. Enter a password string that contains only letters and numbers and then press Enter.  
The user password must be different from the administrator password.
- Step 4. Enter the password again and press Enter.
- Step 5. Select **Exit → Exit Saving Changes**.

## Enable power-on password

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

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

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

## Set hard disk password

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

**Attention:** Be extremely careful when setting a hard disk password. If you forget the hard disk password, a Lenovo authorized service personnel cannot reset your password or recover data from the hard disk. You must take your computer to a Lenovo authorized service personnel to have the hard disk drive replaced. Proof of purchase is required and a fee will be charged for parts and service.

- Step 1. Open the UEFI/BIOS setup utility.
- Step 2. Select **Security → Set Hard Disk Password** and press Enter.  
**Note:** If you start the setup utility using the user password, you cannot set hard disk password.
- Step 3. Follow on-screen instructions to set both master and user passwords.  
**Note:** The master and user hard disk passwords must be set at the same time.
- Step 4. Select **Exit → Exit Saving Changes**.

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

## Change or remove hard disk password

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

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

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

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

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

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

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## Chapter 4. Help and support

### Frequently asked questions

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

### Self-help resources

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

Resources	How to access?
Use Lenovo Vantage or Lenovo PC Manager to: <ul style="list-style-type: none"><li>• Download and install the latest drivers and firmware.</li><li>• Configure hardware settings</li><li>• Diagnose computer hardware problems.</li><li>• Check the computer warranty status.</li></ul>	<ul style="list-style-type: none"><li>• Open the Start menu and select <b>Lenovo Vantage or PC Manager</b>.</li><li>• Use Windows Search.</li></ul>
Product documentation: <ul style="list-style-type: none"><li>• <i>Safety and Warranty Guide</i></li><li>• <i>Setup Guide</i></li><li>• <i>This User Guide</i></li><li>• <i>Regulatory Notice</i></li></ul>	<ol style="list-style-type: none"><li>1. Go to <a href="https://support.lenovo.com">https://support.lenovo.com</a>.</li><li>2. Detect your computer or select computer model manually.</li><li>3. Select <b>Documentation</b> and filter out the documentation you want.</li></ol>

Resources	How to access?
Lenovo Support Web site with the latest support information of the following:	
<ul style="list-style-type: none"> <li>Drivers and software</li> <li>Diagnostic solutions</li> <li>Product and service warranty</li> <li>Product and parts details</li> <li>Knowledge base and frequently asked questions</li> </ul>	Visit <a href="https://support.lenovo.com">https://support.lenovo.com</a>
Windows help information	<ul style="list-style-type: none"> <li>Open the Start menu and select <b>Get Help or Tips</b>.</li> <li>Use Windows Search or the Cortana® personal assistant.</li> <li>Microsoft support Web site: <a href="https://support.microsoft.com">https://support.microsoft.com</a></li> </ul>

## What is a CRU?

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

Self-service CRU	Parts that can be installed or replaced easily by customer themselves or by trained service technicians at an additional cost.
Optional-service CRU	Parts that can be installed or replaced by customers with a greater skill level. Trained service technicians can also provide service to install or replace the parts under the type of warranty designated for the customer's machine.

If you intend to install a CRU, Lenovo will ship the CRU to you. You might be required to return the defective part that is replaced by the CRU. When return is required: (1) return instructions, a prepaid shipping label, and a container will be included with the replacement CRU; and (2) you might be charged for the replacement CRU if Lenovo does not receive the defective CRU within thirty (30) days of your receipt of the replacement CRU. For full details, see the *Lenovo Limited Warranty* at [https://www.lenovo.com/warranty/lw\\_02](https://www.lenovo.com/warranty/lw_02).

## CRUs for your product model

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

Part	Self-service CRU	Optional-service CRU
Power cord*	X	
ac power adapter	X	
Bluetooth folio keyboard*	X	
Lenovo Active Pen 3*	X	

\* for selected models

### Notes:

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

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## Call Lenovo

If you have tried to correct the problem yourself and still need help, you can call Lenovo Customer Support Center.

## Before you contact Lenovo

Record product information and problem details before you contact Lenovo.

Product information	Problem symptoms and details
<ul style="list-style-type: none"><li>• Product name</li><li>• Machine type and serial number</li></ul>	<ul style="list-style-type: none"><li>• What is the problem? Is it continuous or intermittent?</li><li>• Any error message or error code?</li><li>• What operating system are you using? Which version?</li><li>• Which software applications were running at the time of the problem?</li><li>• Can the problem be reproduced? If so, how?</li></ul>

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

## Lenovo Customer Support Center

During the warranty period, you can call Lenovo Customer Support Center for help.

### Telephone numbers

For a list of the Lenovo Support phone numbers for your country or region, go to <https://pcsupport.lenovo.com/supportphonelist>.

**Note:** Phone numbers are subject to change without notice. If the number for your country or region is not provided, contact your Lenovo reseller or Lenovo marketing representative.

### Services available during the warranty period

- Problem determination - Trained personnel are available to assist you with determining if you have a hardware problem and deciding what action is necessary to fix the problem.
- Lenovo hardware repair - If the problem is determined to be caused by Lenovo hardware under warranty, trained service personnel are available to provide the applicable level of service.
- Engineering change management - Occasionally, there might be changes that are required after a product has been sold. Lenovo or your reseller, if authorized by Lenovo, will make selected Engineering Changes (ECs) that apply to your hardware available.

### Services not covered

- Replacement or use of parts not manufactured for or by Lenovo or nonwarranted parts
- Identification of software problem sources
- Configuration of UEFI/BIOS as part of an installation or upgrade
- Changes, modifications, or upgrades to device drivers
- Installation and maintenance of network operating systems (NOS)
- Installation and maintenance of programs

For the terms and conditions of the Lenovo Limited Warranty that apply to your Lenovo hardware product, see "Warranty information" in the *Safety and Warranty Guide* that comes with your computer.

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## Purchase additional services

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

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



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## Appendix A. Accessibility and ergonomic information

This chapter provides information about accessibility and ergonomics.

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### Accessibility information

Lenovo is committed to providing users who have hearing, vision, and mobility limitations with greater access to information and technology. You can get the most up-to-date accessibility information from <https://www.lenovo.com/accessibility>.

If you need additional support with the accessibility features, go to <https://pcsupport.lenovo.com/supportphonelist> to find the support phone numbers for your country or region.

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### Ergonomic information

Good ergonomic practice is important to get the most from your personal computer and to avoid discomfort. Arrange your workplace and the equipment you use to suit your individual needs and the kind of work that you perform. In addition, use healthy work habits to maximize your performance and comfort when using your computer.

Working in the virtual office might mean adapting to frequent changes in your environment. Adapting to the surrounding light sources, active seating, and the placement of your computer hardware, can help you improve your performance and achieve greater comfort.

This example shows someone in a conventional setting. Even when not in such a setting, you can follow many of these tips. Develop good habits, and they will serve you well.



**General posture:** Make minor modifications in your working posture to deter the onset of discomfort caused by long periods of working in the same position. Frequent short breaks from your work also help to prevent minor discomfort associated with your working posture.

**Display:** Position the display to maintain a comfortable viewing distance of 510 mm to 760 mm (20 inches to 30 inches). Avoid glare or reflections on the display from overhead lighting or outside sources of light. Keep the display screen clean and set the brightness to levels that enable you to see the screen clearly. Press the brightness control keys to adjust display brightness.

**Head position:** Keep your head and neck in a comfortable and neutral (vertical, or upright) position.

**Chair:** Use a chair that gives you good back support and seat height adjustment. Use chair adjustments to best suit your comfort posture.

**Arm and hand position:** If available, use chair arm rests or an area on your working surface to provide weight support for your arms. Keep your forearms, wrists, and hands in a relaxed and neutral (horizontal) position. Type with a soft touch without pounding the keys.

**Leg position:** Keep your thighs parallel to the floor and your feet flat on the floor or on a footrest.

### What if you are traveling?

It might not be possible to observe the best ergonomic practices when you are using your computer while on the move or in a casual setting. Regardless of the setting, try to observe as many of the tips as possible. Sitting properly and using adequate lighting, for example, helps you maintain desirable levels of comfort and performance. If your work area is not in an office setting, ensure to take special note of employing active sitting and taking work breaks. Many product solutions are available to help you modify and expand your computer to best suit your needs. You can find some of these options at <https://www.lenovo.com/accessories>. Explore your options for docking solutions and external products that provide the adjustability and features that you want.

### Questions about vision?

The visual display screens of notebook computers are designed to meet the highest standards. These visual display screens provide you with clear, crisp images and large, bright displays that are easy to see, yet easy on the eyes. Any concentrated and sustained visual activity can be tiring. If you have questions on eye fatigue or visual discomfort, consult a vision-care specialist for advice.

## Turn on night light

Night light is a switch in Windows that you can turn on and off. When it is turned on, your screen shows warmer colors and the amount of emitted blue light is reduced. Enabling night light reduces the chances of developing eye fatigue or eye strain.

- Step 1. Click the notification icon in the Windows notification area.
- Step 2. Click the **Night light** icon to turn it on or off.

**Note:** Click **Expand** if you cannot find the night light icon.

For more guidance on reducing eye fatigue or eye strain, go to <https://www.lenovo.com/us/en/compliance/blue-light>.

## Adjust color temperature

If Windows night light mode is turned on, you can adjust the color temperature of the screen.

- Step 1. Select **Start** → **Settings**.
- Step 2. Select **System** → **Display** → **Night light settings**.
- Step 3. Move the slider to adjust the color temperature.

**Note:** Selected Lenovo computers are low blue-light certified. These computers are tested with night light turned on and color temperature set to the default value of 48.

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## Appendix B. Safety and compliance information

This appendix provides safety and compliance statements that are specific to your computer model. The [Generic Safety and Compliance Notices](#) contains safety and compliance statements that are common to all Lenovo personal computer products. If your computer includes factory-preinstalled wireless modules, the *Regulatory Notice* contains compliance information for all the supported wireless modules. To download these publications, go to <https://www.lenovo.com/compliance>.

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### Laser safety for the ToF sensor



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

**CAUTION:**

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

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### Federal Communications Commission (FCC) Supplier's Declaration of Conformity

The following information refers to Lenovo product model(s) listed below.

Model name	Machine type (MT)
IdeaPad Duet 5 12IAU7	82TQ

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult an authorized dealer or service representative for help.

Lenovo is not responsible for any radio or television interference caused by using cables and connectors other than those recommended by Lenovo or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:  
Lenovo (United States) Incorporated  
7001 Development Drive  
Morrisville, NC 27560  
Email: FCC@lenovo.com



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## Location for the FCC ID and IC ID

If you purchased your computer in the United States or Canada and the computer includes factory-preinstalled wireless modules, a piece of text containing identification strings for these modules (FCC ID and IC ID) is visible on the computer's bottom cover. The text may either be laser etched on the bottom cover or on a physical label affixed to it. To obtain the FCC ID or IC ID for the factory-preinstalled wireless module, check the bottom cover for strings directly after "FCC ID" or "IC ID".

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## Korea radio frequency compliance statement

무선설비 전파 흔신 (사용주파수 2400~2483.5 , 5725~5825 무선제품해당)

해당 무선설비가 전파흔신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없음

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## Appendix C. Notices and trademarks

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<https://support.lenovo.com>

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