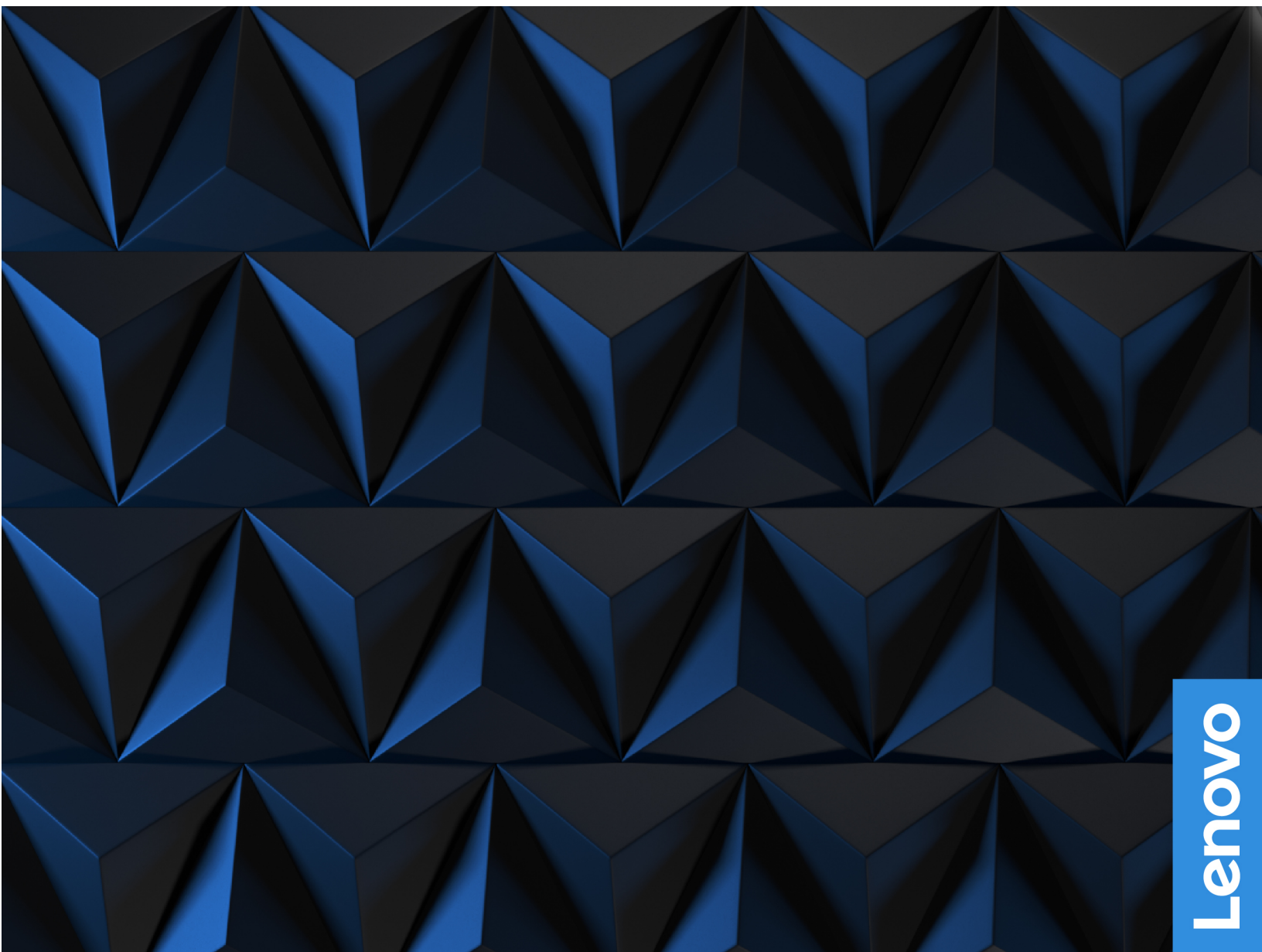


# User Guide



Lenovo Legion 9i (16", 8)

## **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.

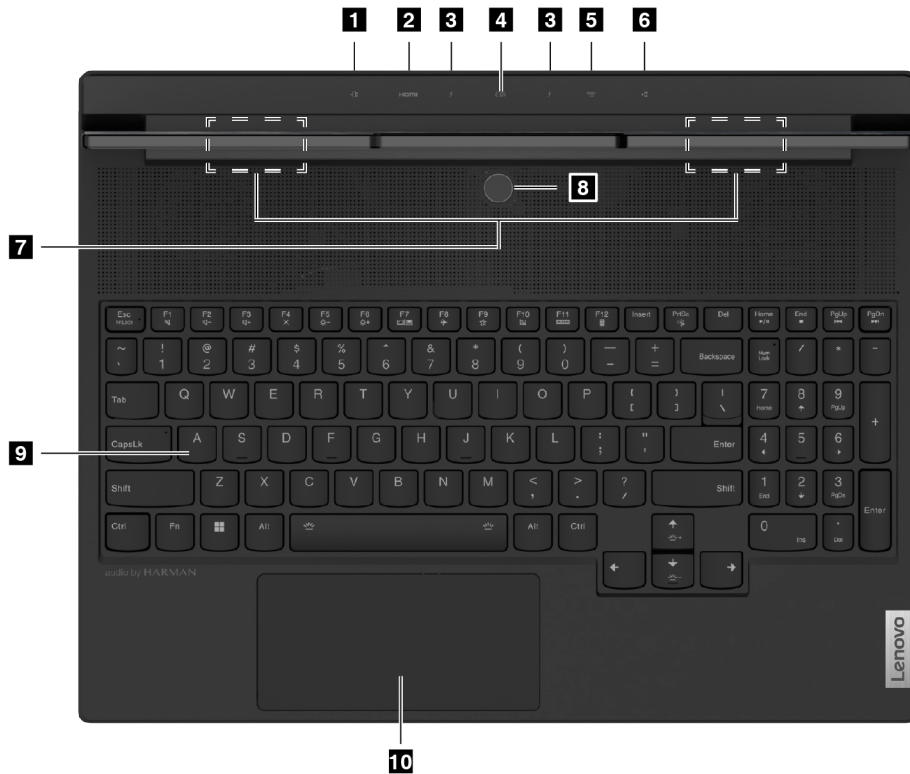
Model name	Machine type (MT)
Legion 9 16IRX8	83AG
Lenovo Legion 9 16IRX8	83AG

- 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>.



# Meet your PC

## Front view



No.	Description
1	Power connector
2	HDMI connector
3	Multi-purpose USB Type-C connector
4	Water pump status light
5	USB Standard-A connector
6	RJ-45 connector
7	Antennas (invisible from the outside)
8	Power button
9	Keyboard
10	Touchpad

## Power light

Indicates the PC's current power state: turned on, sleep, turned off or in hibernation mode. When the PC is turned on or in sleep mode, this light can also indicate a low battery status.

Table 1. Power light status and description

Light status	Description
White (solid on)	The PC is turned on.
White (fast blinking)	The PC is turned on or in sleep mode. The battery charge level is below 20%.
White (slow blinking)	The PC is in sleep mode.
Off	The PC is turned off or in hibernation mode.

## Battery charging light

Indicates whether the battery is close to being fully charged.

Table 2. Battery charging light status and description

Light status	Description
Amber (solid on)	The battery charge level is between 1%–90% of its full capacity.
White (solid on)	The battery charge level is between 91%–100% of its full capacity.
Off	The PC is not plugged into an electrical outlet.

## Multi-purpose USB Type-C® connector

This multi-purpose connector can be used to connect:

- devices that conform to the USB data transfer protocol
- display devices

**Note:** When connecting display devices, you need to use appropriate cables and adapters (if needed) according to the connection capabilities of the display device.

- Thunderbolt-enabled devices



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## Left view



No.	Description
1	Combo audio jack
2	SD slot

## Right view



No.	Description
1	Camera switch
2	USB Type-C connector
3	USB Standard-A connector

### USB Type-C® connector

Use this USB Type-C connector to connect devices that utilize the USB data transfer protocol.

**Note:** This USB Type-C connector does not support DisplayPort Alt mode and cannot be used to connect external display devices.

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## Specifications

### Dimensions

Width	357.7 mm
Depth	277.7 mm
Thickness	19 mm (thinnest part)

### ac power adapter\*

Input	100 V ac–240 V ac, 50 Hz–60 Hz
Maximum output	330 W

**Note:** Select models came with an additional USB Type-C power adapter.

<b>Input</b>	<b>100 V ac–240 V ac, 50 Hz–60 Hz</b>
<b>Maximum output</b>	<b>140 W</b>

### Rechargeable battery pack

Capacity	99.9 Wh
Cell type	Li-Polymer

### Memory

Type	LPDDR5
Installation	Slot mounted

### Mass storage

Type	SSD
Slot	M.2 (2280/2242)
Interface	PCIe Gen4

### Display

Size	16 inch
Resolution	3200 × 2000

## Connectors

USB Standard-A	<ul style="list-style-type: none"><li>• Quantity: 2</li><li>• Maximum power output: 5 V, 0.9 A*</li><li>• Protocol:<ul style="list-style-type: none"><li>– USB 2.0 480 Mbps</li><li>– SuperSpeed USB 5 Gbps</li></ul></li></ul> <p><b>Note:</b> The USB Standard-A connector on the rear side of the PC support maximum power output of 5V and 2A.</p>
USB Type-C	<ul style="list-style-type: none"><li>• Quantity: 1</li><li>• Maximum power output: 5 V, 3 A</li><li>• Protocol:<ul style="list-style-type: none"><li>– USB 2.0 480 Mbps</li><li>– SuperSpeed USB 5 Gbps</li><li>– SuperSpeed USB 10 Gbps</li></ul></li></ul>
Multi-purpose USB Type-C	<ul style="list-style-type: none"><li>• Quantity: 2</li><li>• Maximum power output: 5 V, 3 A</li><li>• Maximum power input: 20 V, 3.25 A</li><li>• Protocol:<ul style="list-style-type: none"><li>– USB 2.0 480 Mbps</li><li>– SuperSpeed USB 5 Gbps</li><li>– SuperSpeed USB 10 Gbps</li><li>– DisplayPort 1.4</li><li>– Thunderbolt 4 41.25 Gbps</li></ul></li></ul>

**Note:** Data rates and performance ratings are dependent on connected devices and cables if they are used. USB Type-C connectors that are DisplayPort 1.4 compliant through DisplayPort alternate mode provide maximum output resolution of 5120 x 3200, at 60 Hz frame rate and color depth of 24 bpp (bits per pixel). The actual maximum output resolution is dependent on the connected display device and the cable being used.

## Networking

Ethernet	2.5 Gbps
Wi-Fi	<ul style="list-style-type: none"><li>• Wi-Fi 7, or</li><li>• Wi-Fi 6E</li></ul>
Bluetooth	Bluetooth 5.x

## 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	5
3.2 Gen 2	10

## 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)



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## Appendix A. Notices and trademarks

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