

**OVERVIEW**



1. Combo audio jack	6. USB-C (USB 10Gbps), with PD 140W & DP 1.4
2. USB-A (USB 5Gbps)	7. HDMI
3. USB-A (USB 5Gbps)	8. USB-A (USB 5Gbps)
4. USB-C (USB 10Gbps), with USB DP 1.4	9. USB-A (USB 5Gbps), Always On
5. Ethernet (RJ-45)	10. Power connector

## PERFORMANCE

### Processor

#### Processor Family

14th Generation Intel® Core™ i5 / i7 / i9 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i5-14500HX	14 (6 P-core + 8 E-core)	20	P-core 2.6GHz / E-core 1.9GHz	P-core 4.9GHz / E-core 3.5GHz	24MB	Intel® UHD Graphics
Core i7-14650HX	16 (8 P-core + 8 E-core)	24	P-core 2.2GHz / E-core 1.6GHz	P-core 5.2GHz / E-core 3.7GHz	30MB	Intel® UHD Graphics
Core i7-14700HX	20 (8 P-core + 12 E-core)	28	P-core 2.1GHz / E-core 1.5GHz	P-core 5.5GHz / E-core 3.9GHz	33MB	Intel® UHD Graphics
Core i9-14900HX	24 (8 P-core + 16 E-core)	32	P-core 2.2GHz / E-core 1.6GHz	P-core 5.8GHz / E-core 4.1GHz	36MB	Intel® UHD Graphics

### AI (Artificial Intelligence)

#### AI PC Category

AI-Powered Gaming PC

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- No preload operating system

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Boost Clock	TGP	AI TOPS	Key Features
NVIDIA® GeForce RTX™ 4050 Laptop GPU	Discrete	6GB GDDR6	2370 MHz	140W	194	Advanced Optimus, DLSS 3.5, Dynamic Boost 2.0, DirectX® 12 Ultimate
NVIDIA® GeForce RTX™ 4060 Laptop GPU	Discrete	8GB GDDR6	2370 MHz	140W	233	Advanced Optimus, DLSS 3.5, Dynamic Boost 2.0, VR ready, DirectX® 12 Ultimate
NVIDIA® GeForce RTX™ 4070 Laptop GPU	Discrete	8GB GDDR6	2175 MHz	140W	321	Advanced Optimus, DLSS 3.5, Dynamic Boost 2.0, VR ready, DirectX® 12 Ultimate

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and USB-C®)

- HDMI® supports up to 4K@60Hz
- USB-C® supports up to 4K@60Hz

### Chipset

#### Chipset

Intel® HM770 chipset

### Memory

#### Max Memory<sup>[1]</sup>

Up to 32GB DDR5-5600 offering

#### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

## Memory Type

DDR5-5600

Notes:

[1] The max memory is based on the test results with current Lenovo® memory offerings.

## Storage

### Storage Support<sup>[1]</sup>

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 1TB
- M.2 2280 SSD up to 1TB

### Storage Slot

Two M.2 2280 PCIe® 4.0 x4 slots

### Storage Type<sup>\*\*\*</sup>

Disk Type	Interface	Offering
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	1TB
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	512GB / 1TB

Notes:

[1] The storage capacity supported is based on the test results with current Lenovo® storage offerings.

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, optimized with Nahimic Audio

### Microphone

Dual-microphone array

### Camera<sup>\*\*</sup>

- FHD 1080p, with E-shutter, fixed focus
- HD 720p, with E-shutter, fixed focus

## Battery

### Battery

Integrated Li-Polymer 80Wh battery, supports Super Rapid Charge Pro (10min charge 0-40% capacity, 30min charge 0-80% capacity, 60min charge 0-100% capacity)

### Max Battery Life<sup>[1]</sup>

MobileMark® 2018: 5.2 hr

Local video (1080p) playback@150nits: 7.1 hr

Notes:

[1] All battery life claims are approximate maximum and based on results using the MobileMark® 2014, MobileMark® 2018, MobileMark® 25, JEITA 2.0, JEITA 3.0, continuous 1080p video playback (with 150nits brightness and default volume level) or Google Power Load Test (PLT) battery-life benchmark tests. Actual battery life will vary depending on many factors such as product configuration and usage, software use, wireless functionality, power management settings, and screen brightness. The maximum capacity of the battery will decrease with time and use.

## Power Adapter

### Power Adapter

300W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz

## Special Features

### Special Features

AI Chip: LA1

## DESIGN

### Display

#### Display\*\*<sup>[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
16"	WQXGA (2560x1600)	None	IPS	300nits	Anti-glare	16:10	1200:1	100% sRGB	165Hz	89° / 89° / 89° / 89°	Dolby Vision®, NVIDIA® G-SYNC®, Advanced Optimus support, TÜV Low Blue Light, TÜV High Gaming Performance
16"	WQXGA (2560x1600)	None	IPS	500nits	Anti-glare	16:10	1200:1	100% DCI-P3	240Hz	89° / 89° / 89° / 89°	DisplayHDR™ 400, Dolby Vision®, NVIDIA® G-SYNC®, Advanced Optimus support, TÜV Low Blue Light, TÜV High Gaming Performance
16"	WQXGA (2560x1600)	None	IPS	500nits	Anti-glare	16:10	1200:1	100% sRGB	240Hz	89° / 89° / 89° / 89°	DisplayHDR™ 400, Dolby Vision®, NVIDIA® G-SYNC®, Advanced Optimus support, TÜV Low Blue Light, TÜV High Gaming Performance

#### Color Calibration

X-Rite® factory color calibration

#### Touchscreen

Non-touch

Notes:

[1] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

### Keyboard

Onyx grey models: 6-row, multimedia Fn keys, numeric keypad, black keycaps

#### Keyboard Backlight\*\*

- 4-Zone RGB backlight
- Blue backlight
- White backlight

### Touchpad

Buttonless Mylar® surface multi-touch touchpad, 75 x 120 mm (2.95 x 4.72 inches)

## Mechanical

#### Dimensions (WxDxH)<sup>[1]</sup>

363.4 x 261.75 x 21.99-26.95 mm (14.31 x 10.31 x 0.87-1.06 inches)

**Weight<sup>[2]</sup>**

Around 2.5 kg (5.5 lbs)

**Case Color**

Onyx grey

**Surface Treatment**

Anodizing

**Case Material**

Aluminium (top), PC-ABS (bottom)

**System Lighting**

No system lighting

**Notes:**

[1] The system dimensions may vary depending on configurations.

[2] The system weight is approximate and based on results in Lenovo® lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

## CONNECTIVITY

### Network

**Ethernet<sup>[1]</sup>**

Gigabit Ethernet, 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth<sup>[2][3]</sup>**

Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 card

**Notes:**

[1] Wake-on-LAN needs the power adapter plugged in.

[2] Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

[3] Wi-Fi® 6 and Wi-Fi® 6E full features might be limited by country-level restrictions.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

### Ports<sup>[1]</sup>

**Standard Ports**

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 3x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with Lenovo® PD 140W and DisplayPort™ 1.4
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with DisplayPort™ 1.4
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x Power connector

**Notes:**

[1] The transfer speed of the ports will vary and, depending on many factors, such as the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment, will be slower than theoretical speed.

### Docking

**Docking**

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for Legion Pro 5 16IRX9](#)

## SECURITY & PRIVACY

## Security

### Security Chip

Firmware TPM 2.0 integrated in chipset

### Fingerprint Reader

No fingerprint reader

### BIOS Security

- Administrator password
- Power-on password
- Hard disk password
- Self-healing BIOS

### Other Security

E-shutter

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 2-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) courier or carry-in service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® Legion™ Gaming Speed Mouse Pad M
- Lenovo® Legion™ M300s RGB Gaming Mouse (USB connector)
- None

Notes:

<sup>[1]</sup> For more compatible accessory solutions, please visit [Accessories for Legion Pro 5 16IRX9](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- At altitudes up to 2438 m (8,000 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 (8,000 ft)
  - Maximum temperature when operating under the unpressurized condition: 31.3°C (88°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)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

<sup>[1]</sup> When you charge the battery, its temperature must be no lower than 10°C (50°F).

## CERTIFICATIONS

## Green Certifications<sup>[1]</sup>

### Green Certifications

- ErP Lot 3
- RoHS compliant

#### Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration. For ESG & regulatory compliance documents, please visit <https://compliance.lenovo.com>.

## Other Certifications

### Other Certifications

- TÜV Rheinland® High Gaming Performance
- TÜV Rheinland® Low Blue Light (Hardware Solution)
  
- Feature with \*\* means that only one offering listed under the feature is configured on selected models.
- Feature with \*\*\* means that one or more offerings listed under the feature could be configured on selected models.
- Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. LENOVO PROVIDES THIS PUBLICATION "AS IS," WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore this disclaimer may not apply to you.
- The specifications on this page may not be available in all regions, and may be changed or updated without notice.

