

# **OVERVIEW**



1. Headphone / microphone combo jack (3.5mm)	6. Power connector
2. USB-A (USB 5Gbps)	7. HDMI
3. USB-A (USB 5Gbps)	8. USB-C (USB 10Gbps), with PD 140W & DP 2.1
4. E-shutter switch	9. Thunderbolt 4
5. Ethernet (2.5GbE RJ-45)	10. USB-A (USB 10Gbps), Always On



# **PERFORMANCE**

## **Processor**

#### **Processor Family**

Intel® HX Series Core Ultra 9 Processor (Series 2)

#### **Processor**

Processor Name	Cores	Threads	Base Frequency	/ Max Frequency		Processor Graphics	NPU
Core Ultra 9 275HX	24 (8 P-core + 16 E-core)	24	P-core 2.7GHz / E- core 2.1GHz	P-core 5.4GHz / E- core 4.6GHz	36MB	Intel® Graphics	Intel® AI Boost

# Al (Artificial Intelligence)

# **AI PC Category**

AI-Powered Gaming PC

#### **Al Performance**

Up to 36 overall TOPS

#### NPU

Integrated Intel® AI Boost, up to 13 TOPS

# **Operating System**

## **Operating System**

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

# **Graphics**

## **Graphics**

Graphics	Туре	Memory	Boost Clock	TGP	AI TOPS (Peak)	Key Features
NVIDIA® GeForce RTX™ 5080 Laptop GPU	Discrete	16G GDDR7	2287 MHz	175W	1334 TOPS	Advanced Optimus, DLSS 4, 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 8K@30Hz
- USB-C® supports up to 8K@60Hz

# **Chipset**

#### Chipset

Intel® HM870 chipset

# **Memory**

# Max Memory[1]

- Up to 32GB DDR5-6400 offering
- Up to 64GB DDR5-6400 offering

## **Memory Slots**

Two DDR5 CSODIMM slots, dual-channel capable

#### **Memory Type**

DDR5-6400 CSODIMM

#### Notes:

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



# **Storage**

#### Storage Support[1]

Up to two drives, 2x M.2 SSD

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

## **Storage Slot**

Two M.2 slots

- One M.2 2280 PCIe® 5.0 x4 slot
- One M.2 2280 PCle® 4.0 x4 slot

#### **Storage Type**

Disk Type	Interface	Offering
M.2 2242 SSD	PCle® NVMe®, PCle® 4.0 x4	1TB
M.2 2280 SSD	PCIe® NVMe®, PCIe® 5.0 x4 Performance	1TB / 2TB
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	1TB

#### Notes:

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

# **Removable Storage**

#### **Optical**

None

#### **Card Reader**

No card reader

#### Multi-Media

### **Audio Chip**

High Definition (HD) Audio, Realtek® ALC3306 codec

#### **Speakers**

4 stereo speakers, 2W x2 (woofers), 2W x2 (tweeters), optimized with Nahimic Audio, Smart Amplifier (AMP)

# Microphone

Dual-microphone array

#### Camera

- 5.0MP, with E-shutter, fixed focus
- HD 720p, with E-shutter, fixed focus

# **Battery**

## **Battery**

- Integrated Li-Polymer 80Wh battery, supports Super Rapid Charge (10min charge 0~30% capacity, 30min charge 0~70% capacity, 80min charge 0~100% capacity)
- Integrated Li-Polymer 99.9Wh battery, supports Super Rapid Charge (10min charge 0~30% capacity, 30min charge 0~70% capacity, 80min charge 0~100% capacity)

#### Max Battery Life[1]

- Models with 80Wh battery: MobileMark® 30@250nits: 2.9 hr Local video (1080p) playback@150nits: 4.25 hr
- Models with 99.9Wh battery:

  MobileMark® 30@250nits: 2.85 hr

Local video (1080p) playback@150nits: 6.25 hr

# Notes:

[1] All battery life claims are approximate maximum and based on results using the MobileMark® 2014, MobileMark® 2018, MobileMark® 25, MobileMark® 30, 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** 

400W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz

# **Special Features**

**Special Features** 

Al Chip: LA3

# **DESIGN**

# **Display**

# Display

Si	ze Resolution	Touch	Туре	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
16	, WQXGA (2560x1600)	None	OLED	500nits	Glossy	16:10	1,000,000:1	100% DCI- P3	240Hz	89° / 89° / 89° / 89°	DisplayHDR™ True Black 1000, 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

# **Input Device**

Pen

No pen

#### Keyboard

6-row, multimedia Fn keys, numeric keypad, Copilot key, black keycaps

# **Keyboard Backlight**

Per-key RGB backlight

## **Touchpad**

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

## Mechanical

#### Dimensions (WxDxH)[1]

364.38 x 275.94 x 21.9-26.65 mm (14.35 x 10.86 x 0.86-1.05 inches)

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

Starting at 2.57 kg (5.67 lbs)

### **Case Color**

Eclipse black

# **Surface Treatment**

- · Anodize electrophoresis deposition
- · Anodizing sandblasting

## **Case Material**

# Legion Pro 7 16IAX10H



Aluminium (top), aluminium (bottom)

#### **System Lighting**

- · "Legion" logo with RGB lighting on top cover
- RGB lighting lens on the front and rear side

#### 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[1]

2.5GbE, Intel® Ethernet Controller I226-V, 1x RJ-45, supports Wake-on-LAN

WLAN + Bluetooth®[2]

Wi-Fi® 7, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4, M.2 card[3]

#### **WWAN**

No support

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] 6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

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

### **Standard Ports**

- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with Lenovo® PD 140W and DisplayPort™ 2.1
- 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer and DisplayPort™ 2.1)
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (2.5GbE 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™ or USB-C®.

For more compatible docking solutions, please visit

Docking for Legion Pro 7 16IAX10H

# **SECURITY & PRIVACY**

## **Security**

## **Security Chip**

Firmware TPM 2.0 integrated in chipset

## **Fingerprint Reader**

No fingerprint reader



#### **BIOS Security**

- Administrator password
- Master hard disk password
- Power-on password
- User hard disk password
- User 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

# **ACCESSORIES**

## **Bundled Accessories**

#### **Bundled Accessories**

- 4 switchable keycaps
- Lenovo® Legion™ Gaming Speed Mouse Pad M
- None

# **OPERATING REQUIREMENTS**

# **Operating Environment**

### Temperature[1]

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)

#### **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

[1] 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 <a href="https://compliance.lenovo.com">https://compliance.lenovo.com</a>.

#### Other Certifications

# Legion Pro 7 16IAX10H



#### **Other Certifications**

- TÜV Rheinland® High Gaming Performance
- TÜV Rheinland® Low Blue Light (Hardware Solution)
- 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
- The specifications on this page may not be available in all regions, and may be changed or updated without notice.















