

## OVERVIEW



1. Headphone / microphone combo jack (3.5mm)	5. HDMI
2. SD card reader	6. USB-C 3.2 Gen 2
3. USB 3.2 Gen 1 (Always On)	7. Thunderbolt 4
4. USB 3.2 Gen 1	

## PERFORMANCE

### Processor

#### Processor Family

Intel® H Series Core™ Ultra 5 / 7 / 9 Processor (Series 1)

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	AI Engine
Core Ultra 5 125H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.2GHz / E-core 700MHz / LPE-core 700MHz	P-core 4.5GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel Arc™ Graphics	Intel AI Boost
Core Ultra 7 155H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel Arc Graphics	Intel AI Boost

### Operating System

#### Operating System\*\*

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

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
Intel Arc Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1

### Monitor Support

#### Monitor Support

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

- HDMI supports up to 4K@60Hz
- USB-C supports up to 4K@60Hz
- Thunderbolt supports up to 5K@60Hz

### Chipset

#### Chipset

Intel SoC (System on Chip) platform

### Memory

#### Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

#### Memory Type

LPDDR5x-7467

### Storage

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

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 1TB

#### Storage Slot

Two M.2 slots

- One M.2 2242 PCIe® 4.0 x4 slot
- One M.2 2280 PCIe 4.0 x4 slot

## Storage Type

Disk Type	Interface	Offering
M.2 2242 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

SD card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

### Speakers

Stereo speakers, 2W x2, optimized with Dolby® Atmos®

### Microphone

Dual-microphone array

### Camera

FHD 1080p + IR, with privacy shutter, fixed focus, with ToF sensor

## Sensor

### Sensors

- Hall sensor
- ToF sensor

## Battery

### Battery

Integrated Li-Polymer 84Wh battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)<sup>[1]</sup>

### Max Battery Life<sup>[2]</sup>

- OLED models:
  - MobileMark® 25: 11.5 hr
  - Local video (1080p) playback@150nits: 19.5 hr
- IPS models:
  - MobileMark 25: 12 hr
  - Local video (1080p) playback@150nits: 25 hr

Notes:

[1] Rapid Charge Express is only effective in hibernates or fully shutting down the computer.

[2] All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, MobileMark 25, JEITA 2.0, 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<sup>[1]</sup>

100W USB-C slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

### Display

**Display\*\***

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	2.8K (2880x1800)	None	IPS <sup>[1]</sup>	400nits	Anti-glare	16:10	1500:1	100% sRGB	120Hz (Max)	89°/89°/89°/89°	Eyesafe <sup>®</sup> Certified 2.0
14"	2.8K (2880x1800)	None	OLED	400nits	Glossy	16:10	1000000:1	100% DCI-P3	120Hz (Max)	85°/85°/85°/85°	Eyesafe Certified 2.0, VESA DisplayHDR <sup>™</sup> True Black 500

**Touchscreen**

Non-touch

Notes:

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

**Input Device****Keyboard**

6-row, multimedia Fn keys

**Keyboard Backlight**

LED backlight

**Touchpad**

Buttonless glass surface multi-touch touchpad, supports Precision TouchPad (PTP), 75 x 120 mm (2.95 x 4.72 inches)

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

312 x 221 x 15.99 mm (12.28 x 8.7 x 0.63 inches)

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

Starting at 1.46 kg (3.22 lbs)

**Case Color**

Arctic grey

**Case Material**

Aluminium (top), aluminium (bottom)

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**

No onboard Ethernet

**WLAN + Bluetooth<sup>®</sup><sup>[1]</sup>**Wi-Fi<sup>®</sup> 6E, 802.11ax 2x2 Wi-Fi + Bluetooth 5.3, M.2 card

Notes:

[1] 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.

Bluetooth 5.3 operation requires Windows 11. For more information please see [General Bluetooth Support Information on](#)

[Microsoft®](#).

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

### Standard Ports

- 1x HDMI 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD card reader
- 1x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)

Notes:

[1] The transfer speed of following 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.

USB 2.0: 480 Mbit/s;

USB 3.2 Gen 1 (SuperSpeed USB 5Gbps, formerly USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;

USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formerly USB 3.1 Gen 2): 10 Gbit/s;

USB4 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;

USB4 40Gbps (USB 40Gbps): 40 Gbit/s;

Thunderbolt 3/4: 40 Gbit/s.

## SECURITY & PRIVACY

### Security

#### Security Chip

Firmware TPM 2.0 integrated in SoC

#### Fingerprint Reader

No fingerprint reader

#### BIOS Security

- Administrator password
- User password
- Master hard disk password
- User hard disk password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter
- IR camera for Windows Hello

## SERVICE

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

#### 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

Notes:

[1] The warranty upgrades may be bundled with some models, please check the "Included upgrade" column in the specific model's configurations. For more service extensions, please go to <https://smartfind.lenovo.com/>. To learn more details of warranty policy, please access <https://pcsupport.lenovo.com/warranty>.

## ENVIRONMENTAL

### Operating Environment

## Temperature

- 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)

## Humidity

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

## Altitude

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

# ACCESSORIES

## Bundled Accessories

### Bundled Accessories

- For more compatible accessory solutions, please visit [Accessories for IdeaPad® Pro 5 14IMH9](#)
- Lenovo WL310 Bluetooth Silent Mouse
- None

# CERTIFICATIONS

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

### Green Certifications

- (Optional) ENERGY STAR® 8.0
- (Optional) EPEAT™ Gold Registered<sup>[2]</sup>
- ErP Lot 6
- ErP Lot 26
- RoHS compliant

### Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

[2] EPEAT is registered where applicable, please see <https://www.epeat.net> for registration status by country.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed (21 test items)

### Other Certifications

- (Optional) Intel Evo™ Platform
- Eyesafe Certified 2.0
- TÜV Rheinland® Low Blue Light (Hardware Solution)

- Feature with \*\* means that only one offering listed under the feature is configured on selected models.
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