

## OVERVIEW



1. HDMI	5. Headphone / microphone combo jack (3.5mm)
2. Thunderbolt 4	6. USB-A (USB 5Gbps), Always On
3. Thunderbolt 4	7. Power button
4. E-shutter switch	

## PERFORMANCE

### Processor

#### Processor Family

12th Generation Intel® Core™ i7 Processor

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i7-12700H	14 (6 P-core + 8 E-core)	20	P-core 2.5GHz / E-core 1.8GHz	P-core 4.7GHz / E-core 3.5GHz	24MB	Intel® Iris® Xe Graphics

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language

### Graphics

#### Graphics

Graphics	Type	Memory	Key Features
NVIDIA® GeForce RTX™ 3050 Laptop GPU	Discrete	4GB GDDR6	Advanced Optimus, Dynamic Boost 2.0, NVIDIA® DLSS, DirectX® 12 Ultimate

### Monitor Support

#### Monitor Support

Supports up to 3 independent displays (native display and 2 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 4096x2160@60Hz
- Thunderbolt™ supports up to 7680x4320@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<sup>[1]</sup>

LPDDR5-5200

Notes:

[1] Installed memory is actually LPDDR5-6000 but may run as LPDDR5-5200 due to platform limitations.

### Storage

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

One drive, up to 512GB M.2 2242 SSD or 1TB M.2 2280 SSD

#### Storage 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

M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	512GB / 1TB
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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 Dolby Atmos®, audio by Harman

### Microphone

Dual-microphone array

### Camera

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

## Sensor

### Sensors

- Ambient color sensor
- Hall sensor
- ToF sensor

## Battery

### Battery

Integrated Li-Polymer 70Wh battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)<sup>[1]</sup>

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

Local video (1080p) playback@150nits: 12.9 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

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

## 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
14.5"	3K (3072x1920)	Multi-touch	IPS	400nits	Glossy, anti-fingerprint	16:10	1,500:1	100% sRGB	120Hz (Max)	89°/89°/89°/89°	PureSight Display, Eyesafe® Certified, Dolby Vision®,



## Standard Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 1.4
- 1x HDMI® 2.0
- 1x Headphone / microphone combo jack (3.5mm)

### 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 are supported via Thunderbolt™.

For more compatible docking solutions, please visit [Docking for Lenovo® Slim 7 ProX 14IAH7](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Firmware TPM 2.0 integrated in SoC

#### Fingerprint Reader

No fingerprint reader

#### BIOS Security

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

#### Other Security

- IR camera for Windows® Hello (facial recognition)
- E-shutter

## SERVICE

### Warranty

#### Base Warranty

1-year courier or carry-in service

## ACCESSORIES

### Bundled Accessories

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

None

### Notes:

[1] For more compatible accessory solutions, please visit [Accessories for Lenovo® Slim 7 ProX 14IAH7](#).

## 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 and transportation: 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<sup>[2]</sup>**

- ENERGY STAR® 8.0
- EPEAT™ Silver Registered<sup>[3]</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. For ESG & regulatory compliance documents, please visit <https://compliance.lenovo.com>.

[2] EPEAT™ registration and ENERGY STAR® certification are dependent on system OS. Please visit [epeat.net](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

### Other Certifications

**Other Certifications**

- (Optional) Intel® Evo™ Platform
- Eyesafe® Certified
- 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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