

## OVERVIEW



1. HDMI	5. Power button
2. USB-C (USB 10Gbps), with USB PD 3.0 & DP 1.4	6. Headphone / microphone combo jack (3.5mm)
3. USB-C (USB4 40Gbps), with USB PD 3.0 & DP 1.4	7. USB-A (USB 5Gbps), Always On
4. E-shutter switch	

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 7 Processor

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ 7 7735HS	8	16	3.2GHz	4.75GHz	4MB L2 / 16MB L3	AMD Radeon™ 680M Graphics

### Operating System

#### Operating System\*\*

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

### Graphics

#### Graphics

Graphics	Type	Memory	Boost Clock	TGP	Key Features
NVIDIA® GeForce RTX™ 3050 6GB Laptop GPU	Discrete	6GB GDDR6	990 MHz	58W	Dynamic Boost 2.0, DirectX® 12 Ultimate

### Monitor Support

#### Monitor Support

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

- HDMI® supports up to 4K@60Hz
- USB-C® supports up to 8K@60Hz

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory

16GB soldered memory, not upgradable

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

#### Memory Type

LPDDR5-6400

### 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 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	512GB / 1TB
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	512GB

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® ALC3306 codec

### Speakers

4 stereo speakers, 2W x2 (woofers), 2W x2 (tweeters), optimized with Dolby® Atmos®, Amplifier (AMP)

### Microphone

Quad-microphone array

### Camera

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

## Sensor

### Sensors

- Ambient light sensor (ALS)
- Hall sensor
- ToF sensor

## Battery

### Battery

Integrated Li-Polymer 73Wh battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)<sup>[1]</sup>

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

- 2.5K models:  
MobileMark® 2018@200nits: 12.43 hr  
Local video (1080p) playback@150nits: 14.95 hr
- 3K models:  
MobileMark® 2018@200nits: 12.62 hr  
Local video (1080p) playback@150nits: 15.3 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>

140W 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<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"	2.5K	Multi-	IPS	350nits	Glossy	16:10	1,500:1	100%	90Hz	85°/85°/85°/85°	Above 91.4%

	(2560x1600)	touch						sRGB	(Max)		screen-to-body ratio, Eyesafe® Certified 2.0, Dolby® Vision®, Glass
14.5"	3K (3072x1920)	Multi-touch	IPS	400nits	Glossy	16:10	1,500:1	100% P3	120Hz (Max)	85°/85°/85°/85°	Above 91.4% screen-to-body ratio, Eyesafe® Certified 2.0, Dolby® Vision®, AGC Dragontrail™ Glass, TCON

**Color Calibration**

- TCON (Timing Controller) color calibration
- No color calibration

**Touchscreen**

OGM (One Glass Metal mesh) multi-touch, supports 10-point 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), 80 x 135 mm (3.15 x 5.31 inches)

**Mechanical**

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

325.5 x 226.49 x 15.6 mm (12.81 x 8.92 x 0.61 inches)

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

Starting at 1.59 kg (3.50 lbs)

**Case Color**

Storm grey

**Surface Treatment**

Aluminium stamping (anodized with sandblasting)

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

Wi-Fi® 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 USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 3.0 and DisplayPort™ 1.4
- 1x USB-C® (USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 1.4
- 1x HDMI® 2.1, up to 4K/60Hz
- 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 USB-C®.

For more compatible docking solutions, please visit [Docking for Lenovo® Slim Pro 7 14ARP8](#)

**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**

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

**SERVICE****Warranty****Base Warranty**

1-year courier or carry-in service

**ENVIRONMENTAL****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).

## ACCESSORIES

### Bundled Accessories

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

None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for Lenovo® Slim Pro 7 14ARP8](#).

## CERTIFICATIONS

### Green Certifications

**Green Certifications**<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold 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.

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

[3] EPEAT™ is registered where applicable, please see [epeat.net](#) for registration status by country.

### Other Certifications

**Mil-Spec Test**

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

**Other Certifications**

- 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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