

OVERVIEW



|                    |                                              |
|--------------------|----------------------------------------------|
| 1. Card reader     | 5. HDMI                                      |
| 2. USB 3.2 Gen 1   | 6. USB-C 3.2 Gen 1                           |
| 3. Power connector | 7. Headphone / microphone combo jack (3.5mm) |
| 4. USB 3.2 Gen 1   |                                              |

PERFORMANCE

Processor

Processor Family

13th Generation Intel® H Series Core i5 / i7 Processor

Processor\*\*

| Processor Name | Cores                    | Threads | Max Frequency                 | Cache                   | Processor Graphics  |
|----------------|--------------------------|---------|-------------------------------|-------------------------|---------------------|
| Core i5-13420H | 8 (4 P-core + 4 E-core)  | 12      | P-core 4.6GHz / E-core 3.4GHz | 12MB Intel® Smart Cache | Intel® UHD Graphics |
| Core i7-13620H | 10 (6 P-core + 4 E-core) | 16      | P-core 4.9GHz / E-core 3.6GHz | 24MB Intel® Smart Cache | Intel® UHD Graphics |

Operating System

Operating System\*\*

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

Graphics

Graphics

| Graphics            | Type       | Memory | Key Features  |
|---------------------|------------|--------|---------------|
| Intel® UHD Graphics | Integrated | Shared | DirectX® 12.1 |

Monitor Support

Monitor Support

Supports up to 3 independent displays (native display and 2 external monitors via HDMI® and USB-C®)

- HDMI® supports up to 4K@30Hz
- USB-C® supports up to 4K@60Hz

Chipset

Chipset

Intel® SoC (System on Chip) platform

Memory

Max Memory

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable

Memory Slots\*\*

- Memory soldered to systemboard, no slots, single-channel (8GB models)
- Memory soldered to systemboard, no slots, dual-channel (16GB models)

Memory Type

LPDDR5-4800

Storage

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

One drive, up to 1TB M.2 2242 SSD

Storage Slot<sup>[2]</sup>

One M.2 PCIe® 4.0 x4 slot

Storage Type

| Disk Type | Interface | Offering |
|-----------|-----------|----------|
|-----------|-----------|----------|

|              |                           |                     |
|--------------|---------------------------|---------------------|
| M.2 2242 SSD | PCIe® NVMe®, PCIe® 4.0 x4 | 256GB / 512GB / 1TB |
|--------------|---------------------------|---------------------|

Notes:

- [1] The storage capacity supported is based on the test results with current Lenovo® storage offerings.
- [2] The actual data transfer rate of the following PCIe® interface also depends on the capabilities of the connected PCIe® device. The listed values represent theoretical maximums.
- PCIe® 3.0 (x2 / x4): 2 GB/s (16 Gbps) / 4 GB/s (32 Gbps);
- PCIe® 4.0 (x2 / x4): 4 GB/s (32 Gbps) / 8 GB/s (64 Gbps);
- PCIe® 5.0 (x2 / x4): 8 GB/s (64 Gbps) / 16 GB/s (128 Gbps).

Removable Storage

Card Reader

SD card reader

Multi-Media

Audio Chip

High Definition (HD) Audio

Speakers

User-facing stereo speakers, 1.5W x2, optimized with Dolby Audio™

Microphone

Dual-microphone array

Camera\*\*

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

Battery

Battery

47Wh Rechargeable Li-ion Battery, supports Rapid Charge Boost (get 2 hours of runtime with a 15-minute charge)

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

MobileMark® 2018@200nits: 8 hr  
Local video (1080p) playback@150nits: 12 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

65W round tip (3-pin) AC adapter, 100-240V, 50-60Hz

DESIGN

Display

Display\*\*

| Size  | Resolution      | Touch       | Type               | Brightness | Surface    | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle (L/R/U/D) |
|-------|-----------------|-------------|--------------------|------------|------------|--------------|----------------|-------------|-------------------------|
| 15.6" | FHD (1920x1080) | Non-touch   | TN                 | 250nits    | Anti-glare | 16:9         | 400:1          | 45% NTSC    | 45° / 45° / 15° / 35°   |
| 15.6" | FHD (1920x1080) | Multi-touch | IPS <sup>[1]</sup> | 300nits    | Anti-glare | 16:9         | 800:1          | 45% NTSC    | 85° / 85° / 85° / 85°   |
| 15.6" | FHD (1920x1080) | Non-touch   | IPS <sup>[2]</sup> | 300nits    | Anti-glare | 16:9         | 800:1          | 45% NTSC    | 85° / 85° / 85° / 85°   |

**Touchscreen**

- On-cell multi-touch, supports 10-point touch
- Non-touch

**Screen-to-Body Ratio**

88% AAR (active area ratio)

Notes:

[1], [2] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

**Input Device****Pen**

No support

**Keyboard**

6-row, multimedia Fn keys, numeric keypad

**Keyboard Backlight**

- LED backlight
- Non-backlight

**Touchpad**

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 69 x 104 mm (2.72 x 4.09 inches)

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

359.3 x 235 x 17.9 mm (14.15 x 9.25 x 0.70 inches)

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

Starting at 1.62 kg (3.57 lbs)

**Case Color\*\***

- Abyss blue
- Arctic grey
- Frost blue

**Case Material**

PC-ABS (top), PC-ABS (bottom)

**Surface Treatment**

IMR (in-mold decoration by roller)

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****WLAN + Bluetooth®\*\*<sup>[1]</sup>**

- Wi-Fi® 5, 802.11ac 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 card
- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 card

**WWAN**

No support

**Ethernet**

No onboard Ethernet

Notes:

[1] Wi-Fi® operation (including Wi-Fi® 6, Wi-Fi® 6E, Wi-Fi® 7, etc.) is subject to the regulatory requirements of each country.

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

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

### Standard Ports

- 2x USB 3.2 Gen 1
- 1x USB-C® 3.2 Gen 1 (support data transfer, Power Delivery and DisplayPort™ 1.2)
- 1x HDMI® 1.4
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Card reader
- 1x Round tip power connector

### 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.

Thunderbolt™ 5: 80 Gbit/s (bidirectional), up to 120 Gbit/s in bandwidth boost mode for video-intensive applications.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for IdeaPad® Slim 3 15IRH8](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Firmware TPM 2.0 integrated in SoC

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button
- No fingerprint reader

#### BIOS Security

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

#### Other Security

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

- Lenovo® 15.6" laptop casual toploader, polyester, black
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for IdeaPad® Slim 3 15IRH8](#).

## 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:

[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® 9.0
- EPEAT™ Silver Registered<sup>[3]</sup>
- ErP Lot 6/26
- 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 optional and only available on the models with preloaded 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

**Mil-Spec Test**

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

**Other Certifications**

TÜV Rheinland® Low Blue Light (Software Solution)

- Feature with \*\* means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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