## OVERVIEW

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

# PERFORMANCE

## Processor

**Processor Family**

AMD Ryzen™ 3 / 5 / 7 Processor

**Processor****

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Processor Graphics |
|---|---|---|---|---|---|---|
| AMD Ryzen™ 3 7330U | 4 | 8 | 2.3GHz | 4.3GHz | 2MB L2 / 8MB L3 | AMD Radeon™ Graphics |
| AMD Ryzen™ 5 5625U | 6 | 12 | 2.3GHz | 4.3GHz | 3MB L2 / 16MB L3 | AMD Radeon™ Graphics |
| AMD Ryzen™ 5 7430U | 6 | 12 | 2.3GHz | 4.3GHz | 3MB L2 / 16MB L3 | AMD Radeon™ Graphics |
| AMD Ryzen™ 5 7530U | 6 | 12 | 2.0GHz | 4.5GHz | 3MB L2 / 16MB L3 | AMD Radeon™ Graphics |
| AMD Ryzen™ 7 5825U | 8 | 16 | 2.0GHz | 4.5GHz | 4MB L2 / 16MB L3 | AMD Radeon™ Graphics |
| AMD Ryzen™ 7 7730U | 8 | 16 | 2.0GHz | 4.5GHz | 4MB L2 / 16MB L3 | AMD Radeon™ 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 |
|---|---|---|---|
| AMD Radeon™ Graphics | Integrated | Shared | DirectX® 12 |

## 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**

AMD SoC (System on Chip) platform

## Memory

**Max Memory**

- 8GB soldered memory, not upgradable
- 12GB 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 (12GB or 16GB models)

**Memory Type**

DDR4-3200

## Storage

**Max Storage Support**[1]

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

**Storage Slot**[2]

One M.2 PCIe® 3.0 x4 slot

**Storage Type**

| Disk Type | Interface | Offering |
|---|---|---|
| M.2 2242 SSD | PCIe® NVMe®, PCIe® 3.0 x4 | 128GB |
| M.2 2242 SSD | PCIe® NVMe®, PCIe® 4.0 x4[3] | 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).
[3] The SSD with PCIe® 4.0x4 is downgraded to closer to PCIe® 3.0x4 due to AMD platform limitations.

## 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[1]**

MobileMark® 2018@200nits: 10 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[1]**

- 65W round tip (3-pin) AC adapter, 100-240V, 50-60Hz
- No power adapter

Notes:

[1] AC adapter offerings depend on the country.

# 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[1] | 300nits | Anti-glare | 16:9 | 800:1 | 45% NTSC | 85° / 85° / 85° / 85° |
| 15.6″ | FHD (1920x1080) | Non-touch | IPS[2] | 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)**[1]

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

**Weight**[2]

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®**[**][1]

- 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[1]

**Standard Ports**

- 2x USB 3.2 Gen 1
- 1x USB-C® 3.2 Gen 1 (support data transfer, USB PD 45-65W 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.

## 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
- More BIOS security features, please visit BIOS Simulator

**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****

- Lenovo® 15.6″ laptop casual toploader, polyester, black
- Lenovo® 16″ Laptop ECO Backpack B210 (black)
- 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)
- 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[1]

**Green Certifications**[2]

- ENERGY STAR® 9.0
- EPEAT 1.0 Silver Registered[3]
- 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 and energystar.gov for more information.

[3] EPEAT is registered where applicable, please visit 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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