## OVERVIEW




| | |
|---|---|
| 1. Power connector | 5. Power button |
| 2. HDMI | 6. Card reader |
| 3. USB-C 3.2 Gen 2 | 7. USB 3.2 Gen 1 |
| 4. Headphone / microphone combo jack (3.5mm) | 8. USB 3.2 Gen 1 (Always On) |

# PERFORMANCE

## Processor

**Processor Family**

AMD Ryzen™ 3 / 5 / 7 Processor

**Processor****

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Memory Support | Processor Graphics |
|---|---|---|---|---|---|---|---|
| AMD Ryzen 3 5300U | 4 | 8 | 2.6GHz | 3.8GHz | 2MB L2 / 4MB L3 | LPDDR4-4266 | AMD Radeon™ Graphics |
| AMD Ryzen 5 5500U | 6 | 12 | 2.1GHz | 4.0GHz | 3MB L2 / 8MB L3 | LPDDR4-4266 | AMD Radeon Graphics |
| AMD Ryzen 7 5700U | 8 | 16 | 1.8GHz | 4.3GHz | 4MB L2 / 8MB L3 | LPDDR4-4266 | AMD Radeon Graphics |

## Operating System

**Operating System****

- Windows® 11 Pro 64
- Windows 11 Home 64
- Windows 11 Home in S mode

## Graphics

**Graphics**

| Graphics | Type | Memory | TGP | Key Features |
|---|---|---|---|---|
| AMD Radeon Graphics | Integrated | Shared | Shares CPU TDP | 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 3840x2160@30Hz
• USB-C supports up to 4K@60Hz

## Chipset

**Chipset**

AMD SoC (System on Chip) platform

## Memory

**Max Memory**[1]

- 4GB soldered memory, not upgradable
- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable

**Memory Slots****

- Memory soldered to systemboard, no slots, single-channel (4GB model)
- Memory soldered to systemboard, no slots, dual-channel (8GB or 16GB model)

**Memory Type**

LPDDR4x-4266

Notes:

1. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.

## Storage

**Storage Support**[1]

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

**Storage Slot**

One M.2 2280 PCIe® Gen 3x4 slot, supports M.2 2242/2280 SSD

**Storage Type****[2]

| Disk Type | Interface | Offering |
|---|---|---|
| M.2 2242 SSD | PCIe NVMe®, PCIe 3.0 x4 | 128GB / 256GB |
| M.2 2242 SSD | PCIe NVMe, PCIe 4.0 x4 | 256GB / 512GB / 1TB |
| M.2 2280 SSD | PCIe NVMe, PCIe 3.0 x4 | 512GB |

Notes:

1. The storage capacity supported is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.
2. The SSD with PCI 4.0x4 is downgraded to closer to PCIe 3.0x4 due to AMD platform limitation.

## Removable Storage

**Card Reader**

4-in-1 card reader (SD, SDHC, SDXC, MMC)

## Multi-Media

**Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**

Front-facing stereo speakers, 2W x2, optimized with Dolby® Audio™

**Microphone**[1]

Dual array microphone with noise-cancelling, support Lenovo Voice Assistant (LVA), and Amazon Alexa

**Camera****

- 720p (HD) webcam, support privacy shutter, fixed focus
- 1080p (FHD) webcam, support privacy shutter, fixed focus

Notes:

1. Amazon Alexa might be limited by country-level restrictions.

## Sensor

**Sensors**

- Accelerometer (G) sensor
- Hall sensor

## Battery

**Battery**

Integrated Li-Polymer 52.5Wh battery, supports Rapid Charge Boost (get 2 hours of runtime with a 15-minute charge)

**Max Battery Life**[1]

- WUXGA models:
  MobileMark® 2018: 9 hr
  Local video (1080p) playback@150nits: 12 hr
- 2.2K models:
  MobileMark 2018: 8 hr
  Local video (1080p) playback@150nits: 10 hr

Notes:

1. All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, 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 and depends 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

Notes:
1. AC adapter offerings depend on the country.

# DESIGN

## Display

**Display**[**][1]

| Size | Resolution | Touch | Type | Brightness | Surface | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle | Key Features |
|---|---|---|---|---|---|---|---|---|---|---|
| 14.0" | WUXGA (1920x1200) | Multi-touch | IPS | 300 nits | Glossy | 16:10 | 800:1 | 45% NTSC | 170° | TÜV Low Blue Light, DC dimming |
| 14.0" | 2.2K (2240x1400) | Multi-touch | IPS | 300 nits | Glossy | 16:10 | 1500:1 | 100% sRGB | 170° | TÜV Low Blue Light, DC dimming |

**Touchscreen**

OGS (One Glass Solution) / GFF (Glass-Film-Film) Direct Bonding, capacitive-type multi-touch, supports 10-point touch

Notes:
1. California Electronic Waste Recycling Fee
   In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to https://www.calrecycle.ca.gov/Electronics/Consumer

## Multi-mode

**Multi-mode**

Laptop, tent, stand, and tablet modes supported by 360° hinge

## Input Device

**Pen**[**]

- Lenovo E-color Pen with built-in rechargeable battery, 4096 levels of pressure sensitivity. For more information, please read Lenovo E-Color Pen Overview
- Lenovo Digital Pen with replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity. For more information, please read Lenovo Digital Pen Overview
- Lenovo Digital Pen without replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity. For more information, please read Lenovo Digital Pen Overview
- No pen (pen sold separately)

**Keyboard**

6-row, multimedia Fn keys

**Keyboard Backlight**

- LED backlight
- Non-backlight

**Touchpad**

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

## Mechanical[1]

**Dimensions (WxDxH)**

313.1 x 224.9 x 17.8 mm (12.32 x 8.85 x 0.70 inches)

**Weight**

1.55 kg (3.42 lbs)

**Case Color**[**]

- Cloud grey
- Stone blue
- Storm grey

**Surface Treatment**

Painting

**Case Material**

PC + ABS + 40% GF (top), PC + ABS + 40% GF (bottom)

Notes:

1. The system dimensions and weight vary depending on configurations.

# CONNECTIVITY

## Network

**Onboard Ethernet**

No Ethernet

**WLAN + Bluetooth®**[**][1][2]

- 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

Notes:

1. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation
2. Wi-Fi 6 full features might be limited by country-level restrictions.

## Ports[1]

**Standard Ports**

- 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)
- 1x HDMI 1.4b
- 1x Card reader
- 1x Headphone / microphone combo jack (3.5mm)
- 1x 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;
   USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;
   Thunderbolt™ 3/4: 40 Gbit/s;
   FireWire 400: 400 Mbit/s;
   FireWire 800: 800 Mbit/s

# SECURITY & PRIVACY

## Security

**Security Chip**

Firmware TPM 2.0 integrated in chipset

**Fingerprint Reader**

Touch style fingerprint reader on palm rest

**BIOS Security**

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

**Other Security**

Camera privacy shutter

# SERVICE

## Warranty

**Base Warranty**[**][1]

- 1-year depot service
- 1-year depot with 2-year system board service (Korea only)
- 2-year (1-yr battery) depot service
- 3-year (1-yr battery) depot service

Notes:

1. More information 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)

# CERTIFICATIONS

## Green Certifications

**Green Certifications**

- ENERGY STAR® 8.0
- RoHS compliant

## Other Certifications

**Other Certifications**

- WUXGA models:
  TÜV Rheinland® Low Blue Light (Software Solution)
- 2.2K models:
  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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