

**OVERVIEW**

|  |                              |
|--|------------------------------|
| 1. Power connector                           | 5. Power button              |
| 2. HDMI                                      | 6. Card reader               |
| 3. USB-C 3.2 Gen 2 / Thunderbolt 4           | 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

Intel® Pentium® or 12th Generation Intel Core™ i3 / i5 / i7 Processor

#### Processor\*\*<sup>[1]</sup>

| Processor Name | Cores                    | Threads | Base Frequency                | Max Frequency                 | Cache | Memory Support | Processor Graphics      |
|----------------|--------------------------|---------|-------------------------------|-------------------------------|-------|----------------|-------------------------|
| Pentium 8505   | 5 (1 P-core + 4 E-core)  | 6       | P-core 1.2GHz / E-core 0.9GHz | P-core 4.4GHz / E-core 3.3GHz | 8MB   | LPDDR4x-4266   | Intel UHD Graphics      |
| Core i3-1215U  | 6 (2 P-core + 4 E-core)  | 8       | P-core 1.2GHz / E-core 0.9GHz | P-core 4.4GHz / E-core 3.3GHz | 10MB  | LPDDR4x-4266   | Intel UHD Graphics      |
| Core i5-1235U  | 10 (2 P-core + 8 E-core) | 12      | P-core 1.3GHz / E-core 0.9GHz | P-core 4.4GHz / E-core 3.3GHz | 12MB  | LPDDR4x-4266   | Intel Iris® Xe Graphics |
| Core i7-1255U  | 10 (2 P-core + 8 E-core) | 12      | P-core 1.7GHz / E-core 1.2GHz | P-core 4.7GHz / E-core 3.5GHz | 12MB  | LPDDR4x-4266   | Intel Iris Xe Graphics  |

#### Notes:

1. The maximum supported memory speed will vary on the selected onboard memory

### Operating System

#### Operating System\*\*

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

### Graphics

#### Graphics\*\*

| Graphics               | Type       | Memory | Key Features  |
|------------------------|------------|--------|---------------|
| Intel UHD Graphics     | Integrated | Shared | DirectX® 12.1 |
| Intel Iris Xe 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 Thunderbolt™)

- HDMI supports up to 4096x2160@30Hz
- Thunderbolt supports up to 5120x3200@60Hz

### Chipset

#### Chipset

Intel SoC (System on Chip) platform

### Memory

#### Max Memory<sup>[1]</sup>

- 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:

- 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<sup>[1]</sup>

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

### Storage Slot

One M.2 2280 PCIe® Gen 4x4 slot, supports M.2 2242/2280 SSD

### 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  | 256GB / 512GB / 1TB |
| M.2 2280 SSD | PCIe NVMe, PCIe 3.0 x4  | 512GB               |

#### Notes:

- 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.

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

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

### Camera\*\*

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

#### Notes:

- 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<sup>[1]</sup>

- WUXGA model:
  - MobileMark® 2018@200nits: 9 hr
  - Local video (1080p) playback@150nits: 13.5 hr
- 2.2K model:
  - MobileMark 2018@200nits: 7.5 hr
  - Local video (1080p) playback@150nits: 10.5 hr
- 2.8K model:
  - MobileMark 2018@200nits: 7 hr
  - Local video (1080p) playback@150nits: 10 hr

## Notes:

- 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<sup>[1]</sup>

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

## Notes:

- 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 | 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 |
| 14.0" | 2.8K QWXGA+ (2880x1800) | Multi-touch | OLED | 400 nits   | Glossy  | 16:10        | 100000:1       | 100% DCI-P3 | 170°          | TÜV Low Blue Light             |

#### Touchscreen

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

## Notes:

- 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<sup>\*\*</sup>

- 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<sup>®</sup> surface multi-touch touchpad, supports Precision TouchPad (PTP), 75 x 120 mm (2.95 x 4.72 inches)

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

### Dimensions (WxDxH)

| Models        | Dimensions   |
|---------------|--|
| Metal model   | 313.1 x 224.9 x 17.4 mm (12.32 x 8.85 x 0.69 inches) |
| Plastic model | 313.1 x 224.9 x 17.8 mm (12.32 x 8.85 x 0.70 inches) |

### Weight

| Models        | Weight                    |
|---------------|---------------------------|
| Metal model   | Around 1.5 kg (3.31 lbs)  |
| Plastic model | Around 1.55 kg (3.42 lbs) |

### Case Color\*\*

- Cloud grey
- Stone blue
- Storm grey

### Surface Treatment\*\*

- Aluminium stamping (anodized with sandblasting)
- Painting

### Case Material\*\*

- Aluminium (top), PC + ABS + 40% GF (bottom)
- 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®\*\*<sup>[1][2]</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

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

#### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C® 3.2 Gen 2 / Thunderbolt 4 (support data transfer, Power Delivery 3.0, and DisplayPort™ 1.4a)
- 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

## SECURITY & PRIVACY

## Security

### Security Chip

Firmware TPM 2.0 integrated in SoC

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

- 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

- 2.2K model:
  - TÜV Rheinland® Low Blue Light (Hardware Solution)
- 2.8K OLED, WUXGA model:
  - TÜV Rheinland Low Blue Light (Software Solution)

- Feature with \*\* means that only one offering listed under the feature is configured on selected models.
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