

**OVERVIEW**



1. Power button	4. Headphone / microphone combo jack (3.5mm)
2. USB 3.2 Gen 1 (Always On)	5. Thunderbolt 4
3. USB 3.2 Gen 1	6. Thunderbolt 4

## PERFORMANCE

### Processor

#### Processor Family

11th Generation Intel® Core™ i5 / i7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i5-1135G7	4	8	2.4GHz	4.2GHz	8MB	Intel Iris® Xe Graphics
Core i7-1165G7	4	8	2.8GHz	4.7GHz	12MB	Intel Iris Xe Graphics

### Operating System

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

- Windows® 11 Pro
- Windows 10 Pro 64
- Windows 10 Home 64
- Windows 10 Home 64 Single Language

Notes:

1. Some features may not be supported on the system with Linux preload, including but not limited to Intel RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics

Graphics	Type	Memory	Key Features
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 Thunderbolt™)

- Thunderbolt supports up to 7680×4320@60Hz

### Chipset

#### Chipset

Intel 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, dual-channel

#### Memory Type

DDR4-3200

### 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® 3.0 x4 slot

#### Storage Type\*\*

Disk Type	Interface	Offering
M.2 2242 SSD	PCIe NVMe®, PCIe 3.0 x4	256GB / 512GB

M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	1TB
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**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.

## Removable Storage

**Optical**

None

**Card Reader**

No card reader

## Multi-Media

**Audio Chip**

High Definition (HD) Audio

**Speakers**

Stereo speakers, 2W x2, optimized with Dolby® Atmos®

**Microphone**

Dual-microphone array, support WoV (Wake-on-Voice)

**Camera**

HD 720p, with privacy shutter, fixed focus

## Sensor

**Sensors**

- Accelerometer (G) sensor
- Ambient light sensor (ALS)

## Battery

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

Integrated Li-Polymer 71Wh battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)

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

- MobileMark® 2014: 14.5 hr  
MobileMark 2018@200nits: 11.7 hr  
Local video (1080p) playback@150nits: 14.7 hr
- MobileMark 2014: 19.7 hr  
MobileMark 2018@200nits: 12 hr  
Local video (1080p) playback@150nits: 19.05 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>**

- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W 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][2]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
15.6"	FHD (1920x1080)	Multi-touch	IPS	250 nits	Glossy	16:9	-	45% NTSC	85°/85°/85°/85°	AGC Soda-lime Glass
15.6"	FHD (1920x1080)	Multi-touch	IPS	300 nits	Glossy	16:9	-	100% sRGB	85°/85°/85°/85°	AGC Soda-lime Glass
15.6"	FHD (1920x1080)	Multi-touch	IPS	500 nits	Glossy	16:9	-	100% sRGB	85°/85°/85°/85°	AGC Soda-lime Glass, VESA DisplayHDR™ 400, Dolby Vision™

### Touchscreen

GF2 or OGM (One Glass Metal mesh) multi-touch, supports 10-point touch

#### Notes:

- California Electronic Waste Recycling Fee In California USA, 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, please go to <https://www.calrecycle.ca.gov/Electronics/Consumer>
- IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Multi-mode

### Multi-mode

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

## Input Device

### Pen\*\*<sup>[1]</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 (purchase separately)

### Keyboard

6-row, multimedia Fn keys, numeric keypad

### Keyboard Backlight<sup>[2]</sup>

LED backlight

### Touchpad

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

#### Notes:

- Battery needs to be purchased separately for the models without battery
- 2-level LED backlight

## Mechanical

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

356.46 x 235.65 x 17.97 mm (14.03 x 9.27 x 0.70 inches)

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

Starting at 1.9 kg (4.19 lbs)

### Case Color\*\*

- Dark moss
- Slate grey

### Surface Treatment

Aluminium stamping (anodized)

### 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>®</sup>\*\*<sup>[1][2]</sup>

- 802.11ac 2x2 Wi-Fi<sup>®</sup> + Bluetooth 5.0, M.2 card
- Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card

#### Notes:

1. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.
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)
- 2x Thunderbolt 4 / USB4<sup>®</sup> 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x Headphone / microphone combo jack (3.5mm)

#### 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

### Monitor Cable

#### Monitor Cable

- Lenovo USB-C 3-in-1 Hub (USB-C to VGA / HDMI<sup>®</sup> / USB-A)
- No monitor cable

## 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

#### Other Security

Camera privacy shutter

## SERVICE

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

### 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

#### Notes:

1. The warranty upgrades may be bundled with some models, please check the "Included upgrade" column in the specific model's configurations. For more service extensions, please go to <https://smartfind.lenovo.com/>. To learn more details of warranty policy, please access <https://pcsupport.lenovo.com/warranty>.

## 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)

#### 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).

## CERTIFICATIONS

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

#### Green Certifications

- ENERGY STAR® 8.0
- ErP Lot 3
- RoHS compliant

#### Notes:

1. The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

### Other Certifications

#### Other Certifications

(Optional) Intel Evo™ Platform

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