

## OVERVIEW



1. USB-C 2.0 (data transfer / PD 3.0 only) *	5. Headphone / microphone combo jack (3.5mm)
2. Power connector *	6. Card reader
3. HDMI	7. USB 3.2 Gen 1
4. USB-C 3.2 Gen 2	8. USB 3.2 Gen 1 (Always On)

Notes:

- Ports with \* are only available on selected models
- Port 1 (not shown on the sample product above) is mutually exclusive with Port 2

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 5 / 7 / 9 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD Ryzen 5 5600H	6	12	3.3GHz	4.2GHz	3MB L2 / 16MB L3	DDR4-3200	AMD Radeon™ Graphics
AMD Ryzen 7 5800H	8	16	3.2GHz	4.4GHz	4MB L2 / 16MB L3	DDR4-3200	AMD Radeon Graphics
AMD Ryzen 9 5900HX	8	16	3.3GHz	4.6GHz	4MB L2 / 16MB L3	DDR4-3200	AMD Radeon Graphics

### Operating System

#### Operating System\*\*

- Windows® 11 Pro 64
- Windows 11 Home 64
- Windows 10 Pro 64
- Windows 10 Home 64
- No operating system

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Boost Clock	TGP	Key Features
AMD Radeon Graphics	Integrated	Shared	-	Shares CPU TDP	DirectX® 12
NVIDIA® GeForce® GTX 1650 Laptop GPU	Discrete	4GB GDDR6	-	-	Advanced Optimus, Dynamic Boost 2.0, DirectX 12
NVIDIA GeForce RTX™ 3050 Laptop GPU	Discrete	4GB GDDR6	712 MHz / 1057 MHz	55W	Advanced Optimus, Resizable BAR, Dynamic Boost 2.0, DirectX 12 Ultimate

### 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 5120x2880@60Hz

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

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

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

#### Memory Type

DDR4-3200

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<sup>[1]</sup>

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

### Storage Type<sup>\*\*</sup>

Disk Type	Interface
M.2 2242 SSD	PCIe® NVMe®, PCIe 3.0 x4
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4

#### 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

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

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

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

### Microphone

Dual array microphone

### Camera

HD 720p webcam with IR, fixed focus, with ToF sensor

## Battery

### Battery

Integrated Li-Polymer 75Wh battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)

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

- MobileMark® 2018@200nits: 13 hr (integrated graphics model)
- MobileMark 2018@200nits: 10 hr (discrete graphics model)

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

- 95W USB-C (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 135W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz

#### Notes:

1. 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
16.0"	2.5K WQXGA (2560x1600)	None	IPS	350 nits	Anti-glare	16:10	1200:1	100% sRGB	170°	-
16.0"	2.5K WQXGA (2560x1600)	None	IPS	350 nits	Anti-glare	16:10	1200:1	100% sRGB	170°	Refresh rate 120Hz

### Touchscreen

Non-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>

## Input Device

### Keyboard

6-row, multimedia Fn keys, numeric keypad

### Keyboard Backlight

LED backlight

### Touchpad

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

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

### Dimensions (WxDxH)

356 x 251 x 16.9-18.4 mm (14.02 x 9.88 x 0.67-0.72 inches)

### Weight

Around 1.9 kg (4.19 lbs)

### Case Color\*\*

- Cloud grey
- Storm grey

### Surface Treatment

Aluminium stamping (anodized)

### Case Material

Aluminium (top), aluminium (bottom)

#### Notes:

- The system dimensions and weight vary depending on configurations.

## CONNECTIVITY

## Network

### Onboard Ethernet

No Ethernet

### 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 5.1, M.2 card

#### Notes:

- Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation

## 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 (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)

### Optional Ports\*\*

- 1x USB-C 2.0 (support data transfer and Power Delivery 3.0, model with integrated graphics)
- 1x Power connector (model with discrete graphics)

#### 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

No fingerprint reader

#### BIOS Security

- Administrator password
- User password
- Master hard disk password
- User hard disk password

#### Other Security

IR camera for Windows Hello

## 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<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: 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

**Green Certifications**

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

### Other Certifications

**Other Certifications**

- TÜV Rheinland® Eyesafe® Display
- 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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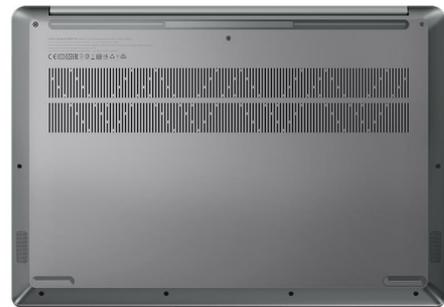
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