

PERFORMANCE

Processor

Processor Family

11th Generation Intel® Core™ i5 / i7 Processor

Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Core i5-1135G7	4	8	2.4GHz	4.2GHz	8MB	LPDDR4x-4266	Intel Iris® Xe Graphics
Core i7-1165G7	4	8	2.8GHz	4.7GHz	12MB	LPDDR4x-4266	Intel Iris Xe Graphics

Operating System

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

Graphics

Graphics	Type	Memory	Key Features
Intel Iris Xe Graphics	Integrated	Shared	DirectX® 12
NVIDIA® GeForce® MX450	Discrete	2GB GDDR6	DirectX 12

Monitor Support

Supports up to 3 independent displays via native display and 2 external monitors; supports external monitors via Thunderbolt™ (up to 5K@60Hz)

Chipset

Intel SoC (System on Chip) platform

Memory

Memory Type

LPDDR4x-4266

Memory Slots

Memory soldered to systemboard, no slots, dual-channel capable

Max Memory

Soldered memory, not upgradable

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

One drive, up to 1TB M.2 2280 SSD

Storage Type

Disk Type	Interface	RPM	Security
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-	-

Removable Storage

Optical

Not Support

Card Reader

Not Support

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers

Stereo speakers, 2W x2, Dolby® Atmos®, HARMAN-branded

Microphone

Dual array microphone

Camera

IR & 720p, with ToF sensor, fixed focus

Sensor**Sensors**

Ambient light sensor (ALS)

Battery**Battery**

Integrated Li-Polymer 61Wh battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)

Max Battery Life

MobileMark® 2014: 19 hr

Local Video (1080p) Playback@150nits: 21.4 hr

Notes:

- All battery life claims are approximate maximum and based on results using the MobileMark 2014 and/or MobileMark 2018 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

- 65W USB-C slim (Wall Mount) AC adapter
- 65W USB-C slim AC adapter
- 95W USB-C AC adapter

DESIGN**Display****Display**

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
14.0"	2.8K (2880x1800)	None	IPS	400 nits	Glossy	16:10	-	100% sRGB	-	Refresh rate 90Hz, Dolby Vision™
14.0"	2.2K (2240x1400)	None	IPS	300nits	Anti-glare	16:10	-	100% sRGB	-	Refresh rate 60Hz, Dolby Vision

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>

Touchscreen

Non-touch

Input Device**Keyboard**

6-row, multimedia Fn keys

Keyboard Backlight

LED backlight

Touchpad

Buttonless glass surface multi-touch touchpad

Mechanical

Dimensions (WxDxH)

312.4 x 221.4 x 14.6-16.9 mm (12.29 x 8.72 x 0.57-0.67 inches)

Weight

1.35 kg (2.98 lbs)

Case Color

- Light silver
- Slate grey

Surface Treatment

Anodizing Sandblasting

Case Material

- Aluminium (top), glass (display cover), Aluminium (bottom)
- Aluminium (top), Mylar® (display cover), Aluminium (bottom)

CONNECTIVITY

Network

Onboard Ethernet

Not Support

WLAN + Bluetooth™

802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card

Ports

Standard Ports

- 1x USB 3.2 Gen 1 (Always On)
- 2x Thunderbolt 4 / USB4™ 40Gbps (support data, PD 3.0 and DP 1.4)
- 1x headphone / microphone combo jack (3.5mm)

Notes:

- Depending on many factors, actual data transfer speed may be lower than theoretical speed

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in chipset

Fingerprint Reader

Not Support

BIOS Security

- Power-on password
- Administrator password
- Hard disk password

Other Security

IR camera for Windows Hello

SERVICE

Warranty

Base Warranty

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

CERTIFICATIONS

Green Certifications

- ENERGY STAR® 8.0
- ErP Lot 3
- RoHS

Other Certifications

- Intel Evo Platform (for 2.8K integrated graphics models only)
- TÜV Hardware Low Blue Light
- TÜV Eyesafe Display

