

OVERVIEW



1. Card reader	4. 2x USB-C 3.2 Gen 1
2. USB 3.2 Gen 1	5. HDMI
3. USB 3.2 Gen 1 (Always On)	6. Headphone / microphone combo jack (3.5mm)

PERFORMANCE

Processor

Processor Family

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

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor 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	DDR4-3200	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	DDR4-3200	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	DDR4-3200	Intel Iris Xe Graphics
Core i5-1240P	12 (4 P-core + 8 E-core)	16	P-core 1.7GHz / E-core 1.2GHz	P-core 4.4GHz / E-core 3.3GHz	12MB	DDR4-3200	Intel Iris Xe Graphics
Core i7-1260P	12 (4 P-core + 8 E-core)	16	P-core 2.1GHz / E-core 1.5GHz	P-core 4.7GHz / E-core 3.4GHz	18MB	DDR4-3200	Intel Iris Xe Graphics

Operating System

Operating System**

- Windows® 11 Pro 64
- Windows 11 Home 64
- Windows 11 Home in S mode
- No operating system

Graphics

Graphics**

Graphics	Type	Memory	Key Features
Intel UHD Graphics	Integrated	Shared	DirectX® 12
Intel Iris Xe Graphics	Integrated	Shared	DirectX 12
NVIDIA® GeForce® MX550	Discrete	2GB GDDR6	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 4096x2160@60Hz

Chipset

Chipset

Intel SoC (System on Chip) platform

Memory

Max Memory^[1]

- 8GB soldered memory, not upgradable
- 12GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable

Memory Slots**

- Memory soldered to systemboard, no slots, single-channel (Intel i3 model)
- Memory soldered to systemboard, no slots, dual-channel (Intel i5 / i7 model)

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^[1]

- Model with 45Wh battery: up to two drives, 1x 2.5" HDD + 1x M.2 SSD
 - 2.5" HDD up to 1TB
 - M.2 2242 SSD up to 512GB
 - M.2 2280 SSD up to 1TB
- Model with 57Wh battery: up to two drives, 1x 2.5" HDD + 1x M.2 SSD
 - 2.5" HDD up to 1TB
 - M.2 2242 SSD up to 512GB
 - M.2 2280 SSD up to 1TB
- Model with 76Wh battery: one drive, 1x M.2 SSD
 - M.2 2242 SSD up to 512GB
 - M.2 2280 SSD up to 1TB

Storage Slot

- Model with 45Wh battery: one 2.5" drive slot + one M.2 slot
 - One 2.5" drive slot, supports 2.5" SATA HDD
 - One M.2 2280 PCIe® Gen 4x4 slot, supports M.2 2242/2280 SSD
- Model with 57Wh battery: one 2.5" drive slot + one M.2 slot
 - One 2.5" drive slot, supports 2.5" SATA HDD
 - One M.2 2280 PCIe Gen 4x4 slot, supports M.2 2242/2280 SSD
- Model with 76Wh battery: one M.2 slot
 - One M.2 2280 PCIe Gen 4x4 slot, supports M.2 2242/2280 SSD

Storage Type**

Disk Type	Interface	Offering
2.5" SATA HDD	SATA 6Gb/s	2TB
M.2 2242 SSD	PCIe NVMe®, PCIe 3.0 x4	256GB / 512GB
M.2 2242 SSD	PCIe NVMe, PCIe 4.0 x4	256GB / 512GB
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	512GB
M.2 2280 SSD	PCIe NVMe, PCIe 4.0 x4	512GB / 1TB

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

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® 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

Hall sensor

Battery

Battery**[1]

- Integrated Li-Polymer 45Wh battery
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge Boost (get 2 hours of runtime with a 15-minute charge)
- Integrated Li-Polymer 76Wh battery, supports Rapid Charge Boost (get 2 hours of runtime with a 15-minute charge)

Max Battery Life[2]

- 45Wh integrated graphics models:
MobileMark® 2018@200nits: 6.5 hr
Local video (1080p) playback@150nits: 9.9 hr
- 57Wh integrated graphics models:
MobileMark 2018@200nits: 8.5 hr
Local video (1080p) playback@150nits: 12.8 hr
- 76Wh integrated graphics models:
MobileMark 2018@200nits: 11.2 hr
Local video (1080p) playback@150nits: 16.4 hr
- 57Wh discrete graphics models:
MobileMark 2018@200nits: 7.5 hr
Local video (1080p) playback@150nits: 12.2 hr
- 76Wh discrete graphics models:
MobileMark 2018@200nits: 10.1 hr
Local video (1080p) playback@150nits: 16 hr

Notes:

1. Rapid Charge Boost is only affected as hibernate or fully shut down the computer
2. 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]

- 45W USB-C (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C slim (2-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 100W 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**[1][2]

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
15.6"	FHD (1920x1080)	None	TN	250 nits	Anti-glare	16:9	500:1	45% NTSC	90°	DC dimming
15.6"	FHD (1920x1080)	None	IPS	300 nits	Anti-glare	16:9	1200:1	100% sRGB	170°	DC dimming
15.6"	FHD (1920x1080)	None	IPS	300 nits	Anti-glare	16:9	800:1	45% NTSC	170°	DC dimming
15.6"	FHD	Multi-	IPS	300 nits	Anti-	16:9	800:1	45%	170°	DC

	(1920x1080)	touch			glare			NTSC		dimming
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Touchscreen

- On-cell capacitive-type multi-touch, supports 10-point touch
- Non-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>
2. TÜV Low Blue Light is NOT available for the Plastic models

Input Device**Keyboard**

6-row, multimedia Fn keys, numeric keypad

Keyboard Backlight

- LED backlight
- Non-backlight

Touchpad

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

Mechanical^[1]**Dimensions (WxDxH)**

Models	Dimensions
Metal models	356.67 x 233.13 x 16.9 mm (14.04 x 9.18 x 0.67 inches)
Plastic models	356.67 x 233.13 x 17.9 mm (14.04 x 9.18 x 0.70 inches)

Weight

Models	Weight
Metal models	Around 1.85 kg (4.08 lbs)
Plastic models	Around 1.77 kg (3.90 lbs)

Case Color**

- Abyss blue
- Cloud grey
- Stone blue
- Storm grey

Surface Treatment

Aluminium stamping (anodized)

Case Material**

- Aluminium (top), aluminium (bottom)
- Aluminium (top), PC + ABS (bottom)

Notes:

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

CONNECTIVITY**Network****Onboard Ethernet**

No Ethernet

WLAN + Bluetooth®^{[1][2]}

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. Intel 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)
- 2x USB-C 3.2 Gen 1 (support data transfer, Power Delivery 3.0, and DisplayPort™ 1.2)
- 1x HDMI 1.4b
- 1x Card reader
- 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;
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 chipset

Fingerprint Reader

- Touch style fingerprint reader on power button
- No fingerprint reader

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^[1]

- 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

(Optional) 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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