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[**][1]

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 Iris Xe Graphics	Integrated	Shared	DirectX® 12
Intel UHD Graphics	Integrated	Shared	DirectX 12

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[1]

- 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:

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]

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:

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

Front-facing 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

- 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[1]

- WUXGA models:
  MobileMark® 2018: 9 hr
  Local video (1080p) playback@150nits: 13.5 hr
- 2.2K models:
  MobileMark 2018: 7.5 hr
  Local video (1080p) playback@150nits: 10.5 hr
- 2.8K models:
  MobileMark 2018: 6 hr
  Local video (1080p) playback@150nits: 8 hr

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[1]

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

Notes:

1. AC adapter offerings depend on the country.

DESIGN

Display

Display**[1]

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:

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

Multi-mode

Multi-mode

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

Input Device

Pen**

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

Mechanical[1]

Dimensions (WxDxH)

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

Weight

Models	Weight
Metal models	1.5 kg (3.31 lbs)
Plastic models	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®**[1][2]

- 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[1]

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;
   FireWire 400: 400 Mbit/s;
   FireWire 800: 800 Mbit/s

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in chipset

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[**[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

- 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 models:
  TÜV Rheinland® Low Blue Light (Hardware Solution)

- 2.8K OLED, WUXGA models:
  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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