Lenovo
PSREF
Product Specifications
Reference

OVERVIEW

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

PERFORMANCE

Processor

Processor Family

12th Generation Intel® Core™ i5 / i7 Processor

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor 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	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	Intel Iris Xe Graphics

Operating System

Operating System**

- Windows® 11 Home
- Windows 11 Home Single Language
- Windows 11 Pro
- No operating system

Graphics

Graphics

Graphics	Type	Memory	TGP	Key Features
Intel Iris Xe Graphics	Integrated	Shared	Share CPU TDP	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 5120x3200@60Hz

Chipset

Chipset

Intel SoC (System on Chip) platform

Memory

Max Memory

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

Memory Slots

Memory soldered to systemboard, no slots, dual-channel

Memory Type

LPDDR5-4800

Storage

Storage Support[1]

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

Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

Storage Type**

Disk Type	Interface	Offering
M.2 2242 SSD	PCIe NVMe®, PCIe 4.0 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.

Removable Storage

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

Speakers

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

Microphone

Dual-microphone array with noise-cancelling

Camera

FHD 1080p + IR, fixed focus, with ToF sensor

Sensor

Sensors

• Ambient light sensor (ALS)
• ToF sensor

Battery

Battery[**]

• 2.2K, 2.8K IPS models:
  Integrated Li-Polymer 61Wh battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)[1]
• 2.8K OLED models:
  Integrated Li-Polymer 61Wh battery, supports Rapid Charge Boost (get 2 hours of runtime with a 15-minute charge)[2]

Max Battery Life[3]

• 2.2K IPS models:
  MobileMark® 2018@200nits: 10.35 hr
  Local video (1080p) playback@150nits: 14.33 hr
• 2.8K IPS models:
  MobileMark 2018@200nits: 11.13 hr
  Local video (1080p) playback@150nits: 17.83 hr
• 2.8K OLED models:
  MobileMark 2018@200nits: 8.02 hr
  Local video (1080p) playback@150nits: 10.97 hr

Notes:

[1] Rapid Charge Express is only effective in hibernates or fully shutting down the computer.

[2] Rapid Charge Boost is only effective in hibernates or fully shutting down the computer.

[3] 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

65W USB-C® slim (2-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

DESIGN

Display

Display[**]

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14″	2.2K (2240x1400)	None	IPS[1]	300nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	85°/85°/85°/85°	Eyesafe® Certified
14″	2.2K (2240x1400)	None	IPS[2]	300nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	85°/85°/85°/85°	Eyesafe Certified, Dolby Vision™
14″	2.8K (2880x1800)	None	IPS[3]	400nits	Anti-glare	16:10	1500:1	100% sRGB	90Hz (Max)	85°/85°/85°/85°	Eyesafe Certified
14″	2.8K (2880x1800)	None	IPS[4]	400nits	Anti-glare	16:10	1500:1	100% sRGB	90Hz (Max)	85°/85°/85°/85°	Eyesafe Certified, Dolby Vision
14″	2.8K (2880x1800)	Multi-touch	IPS[5]	400nits	Glossy	16:10	1500:1	100% sRGB	90Hz (Max)	85°/85°/85°/85°	Eyesafe Certified, Dolby Vision, AGC Dragontrail™ Glass
14″	2.8K (2880x1800)	None	OLED	400nits	Glossy	16:10	100000:1	100% DCI-P3	90Hz (Max)	87.5°/87.5°/87.5°/87.5°	Eyesafe Certified, Dolby Vision, VESA DisplayHDR™ True Black 500, Panda King Glass
14″	2.8K (2880x1800)	None	OLED	400nits	Glossy	16:10	100000:1	100% DCI-P3	90Hz (Max)	87.5°/87.5°/87.5°/87.5°	Eyesafe Certified, VESA DisplayHDR True Black 500, Panda King Glass

Touchscreen

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

Notes:

[1], [2], [3], [4], [5] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Input Device

Keyboard

6-row, multimedia Fn keys

Keyboard Backlight

LED backlight

Touchpad

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

Mechanical

Dimensions (WxDxH)[1]

Models	Dimensions
IPS models	312.4 x 221.4 x 14.6 mm (12.29 x 8.72 x 0.57 inches)
OLED models	312.4 x 221.4 x 14.9 mm (12.29 x 8.72 x 0.59 inches)

Weight[2]

Models	Weight
Models with IPS panel, Mylar® display cover, and integrated graphics card	Starting at 1.32 kg (2.91 lbs)
Models with OLED panel	Starting at 1.39 kg (3.06 lbs)
Models with IPS panel, glass display cover, and integrated graphics card	Starting at 1.42 kg (3.13 lbs)

Case Color**

- Cloud grey
- Storm grey

Surface Treatment

Aluminium stamping (anodized with sandblasting)

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®**[1]

- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card[2]
- Wi-Fi 6E, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card[3]

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.

[3] Wi-Fi 6E full features might be limited by country-level restrictions.
6GHz Wi-Fi 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi 6E, and the regional regulatory certifications & spectrum allocation.

Ports[1]

Standard Ports

- 1x Headphone / microphone combo jack (3.5mm)
- 1x USB 3.2 Gen 1 (Always On)
- 2x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)

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.

Docking

Docking

Various docking solutions are supported via Thunderbolt.
For more compatible docking solutions, please visit Docking for Yoga® Slim 7 Pro 14IAP7

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
- Self-healing BIOS

Other Security

IR camera for Windows Hello

SERVICE

Warranty[1]

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

- 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[1]

Green Certifications

- (Optional) ENERGY STAR® 8.0
- (Optional) EPEAT™ Silver Registered[2]
- 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.
[2] EPEAT is registered where applicable, please see https://www.epeat.net for registration status by country.

Other Certifications

Other Certifications

- (Optional) Intel Evo™ Platform
- Eyesafe Certified
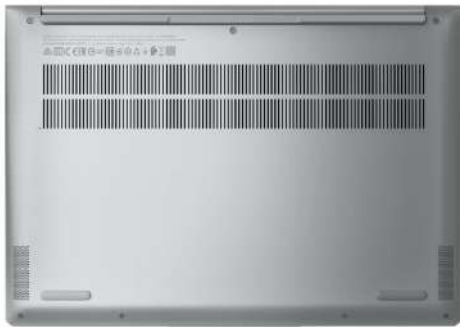- TÜV Rheinland® Low Blue Light (Hardware Solution)

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

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