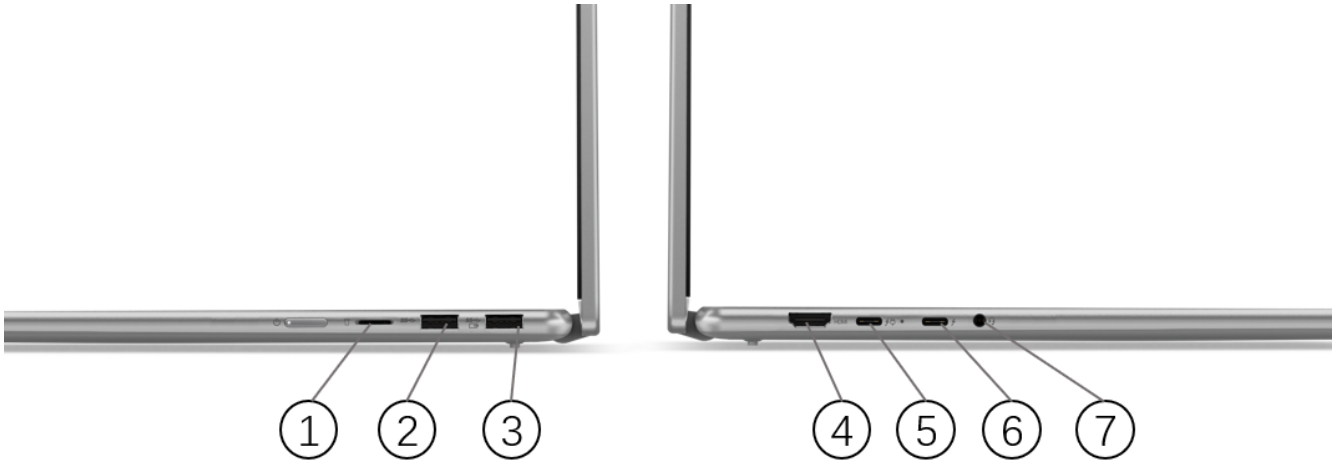
OVERVIEW



1. microSD card reader	5. Thunderbolt 4
2. USB-A (USB 5Gbps)	6. Thunderbolt 4
3. USB-A (USB 5Gbps), Always On	7. Headphone / microphone combo jack (3.5mm)
4. HDMI	

PERFORMANCE

Processor

Processor Family

13th Generation Intel® U, P Series Core i5 / i7 Processor - Raptor Lake

Processor**

Processor Name	Cores	Threads	Max Frequency	Cache	Processor Graphics
Core i5-1335U	10 (2 P-core + 8 E-core)	12	P-core 4.6GHz / E-core 3.4GHz	12MB Intel® Smart Cache	Intel® Iris® Xe Graphics
Core i5-1340P	12 (4 P-core + 8 E-core)	16	P-core 4.6GHz / E-core 3.4GHz	12MB Intel® Smart Cache	Intel® Iris® Xe Graphics
Core i7-1355U	10 (2 P-core + 8 E-core)	12	P-core 5GHz / E-core 3.7GHz	12MB Intel® Smart Cache	Intel® Iris® Xe Graphics
Core i7-1360P	12 (4 P-core + 8 E-core)	16	P-core 5GHz / E-core 3.7GHz	18MB Intel® Smart Cache	Intel® Iris® Xe Graphics

Operating System

Operating System**

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

Graphics

Graphics

Graphics	Type	Memory	Key Features
Intel® Iris® Xe Graphics	Integrated	Shared	DirectX® 12.1

Monitor Support

Monitor Support[1]

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and Thunderbolt™)
• HDMI® supports up to 4K@30Hz
• Thunderbolt™ supports up to 8K@60Hz

Notes:

[1] 8K resolution support needs 2 display pipes. That is, simultaneous display number will “-1” when 8K resolution displayed.

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

LPDDR5-5200

Storage

Max Storage Support[1]

One drive, up to 1TB M.2 2242 SSD

Storage Slot[2]

One M.2 2242 PCIe® 4.0 x4 slot

Storage Type

Disk Type	Interface	Offering
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB

Notes:

[1] The storage capacity supported is based on the test results with current Lenovo® storage offerings.
[2] The actual data transfer rate of the following PCIe® interface also depends on the capabilities of the connected PCIe® device. The listed values represent theoretical maximums.
PCIe® 3.0 (x2 / x4): 2 GB/s (16 Gbps) / 4 GB/s (32 Gbps);
PCIe® 4.0 (x2 / x4): 4 GB/s (32 Gbps) / 8 GB/s (64 Gbps);
PCIe® 5.0 (x2 / x4): 8 GB/s (64 Gbps) / 16 GB/s (128 Gbps).

Removable Storage

Card Reader

microSD card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers

Stereo speakers, 2W x2, optimized with Dolby Atmos®, Smart Amplifier (AMP)

Microphone

Dual-microphone array

Camera

FHD 1080p + IR, with privacy shutter, fixed focus

Sensor

Sensors

- Accelerometer (G) sensor
- Hall sensor

Battery

Battery[1]

71Wh Rechargeable Li-ion Battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)

Max Battery Life[2]

- WUXGA IPS models:
  MobileMark® 2018@200nits: 13.5 hr
  Local video (1080p) playback@150nits: 21.5 hr
- 2.5K IPS models:
  MobileMark® 2018@200nits: 12.5 hr
  Local video (1080p) playback@150nits: 20.5 hr

Notes:

[1] Rapid Charge Express is only effective in hibernates or fully shutting down the computer.
[2] All battery life claims are approximate maximum and based on results using the MobileMark® 2014, MobileMark® 2018, MobileMark® 25, MobileMark® 30, JEITA 2.0, JEITA 3.0, 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**[1]

- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

- 65W USB-C® slim (wall-mount) AC adapter, supports PD 3.0, 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	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
16″	WUXGA (1920x1200)	GFF touch	IPS	300nits	Glossy, anti-fingerprint	16:10	800:1	45% NTSC	60Hz	89° / 89° / 89° / 89°	Dolby Vision®, TÜV Rheinland® Low Blue Light (Software), Glass
16″	2.5K WQXGA (2560x1600)	GFF touch	IPS	400nits	Glossy, anti-fingerprint	16:10	1,200:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	Dolby Vision®, TÜV Rheinland® Low Blue Light (Hardware), Glass

Touchscreen

GFF (Glass-Film-Film) multi-touch, supports 10-point touch

Screen-to-Body Ratio

91% AAR (active area ratio)

Notes:

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

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
- Lenovo® Precision Pen 2 with built-in rechargeable battery, 4096 levels of pressure sensitivity, tilt detection, supports WGP, AES 2.0 and MPP 2.0 protocols. For more information, please read Lenovo® Precision Pen 2
- No pen bundled (purchase separately)

Keyboard

6-row, multimedia Fn keys, numeric keypad, key travel 1.3mm

Keyboard Backlight

LED backlight

Touchpad

Buttonless glass surface multi-touch touchpad, supports Precision TouchPad (PTP), 80 x 135 mm (3.15 x 5.31 inches)

Mechanical

Dimensions (WxDxH)[1]

362.16 x 250.12 x 16.99 mm (14.26 x 9.85 x 0.67 inches)

Weight[2]

Models	Weight
Models with 2.5K panel	Starting at 1.98 kg (4.37 lbs)
Models with WUXGA panel	Starting at 2.04 kg (4.50 lbs)

Case Color[**]

- Arctic grey
- Storm grey

Case Material

Aluminium (top), aluminium (bottom)

Surface Treatment

Aluminium stamping (anodized with sandblasting)

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

WLAN + Bluetooth®[1]

Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 card

WWAN

No support

Ethernet

No onboard Ethernet

Notes:

[1] Wi-Fi® operation (including Wi-Fi® 6, Wi-Fi® 6E, Wi-Fi® 7, etc.) is subject to the regulatory requirements of each country. Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

Ports[1]

Standard Ports

- 1x USB-A (USB 5Gbps), Always On
- 1x USB-A (USB 5Gbps)
- 2x Thunderbolt™ 4, with USB PD 3.0 and DisplayPort™ 1.4
- 1x HDMI® 1.4b
- 1x Headphone / microphone combo jack (3.5mm)
- 1x microSD card reader

Notes:

[1] The transfer speed of the 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.

Docking

Docking

Various docking solutions are supported via Thunderbolt™ / USB-C®.
For more compatible docking solutions, please visit Docking for Yoga® 7 16IRL8

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in SoC

Fingerprint Reader

- Touch style fingerprint reader on palm rest
- No fingerprint reader

BIOS Security

- Administrator password
- Master hard disk password
- User hard disk password
- User password
- Self-healing BIOS
- More BIOS security features, please visit BIOS Simulator[1]

Other Security

- Camera privacy shutter
- IR camera for Windows® Hello (facial recognition)

Notes:

[1] The BIOS simulator is just for reference. Default settings and some options may vary depending on the hardware, operating system and BIOS version.

SERVICE

Warranty

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

ACCESSORIES

Bundled Accessories

Bundled Accessories[1]

None

Notes:

[1] For more compatible accessory solutions, please visit Accessories for Yoga® 7 16IRL8.

OPERATING REQUIREMENTS

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)

Relative 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)

Notes:

[1] When you charge the battery, its temperature must be no lower than 10°C (50°F).

CERTIFICATIONS

Green Certifications[1]

Green Certifications[2]

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered[3]
- ErP Lot 6/26
- RoHS compliant

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration. For ESG & regulatory compliance documents, please visit https://compliance.lenovo.com.

[2] EPEAT™ registration and ENERGY STAR® certification are optional and only available on the models with preloaded OS. Please visit epeat.net and energystar.gov for more information.

[3] EPEAT™ is registered where applicable, please visit epeat.net for registration status by country.

Other Certifications

Mil-Spec Test

MIL-STD-810H military test passed (21 test items)

Other Certifications

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

- Feature with ** means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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