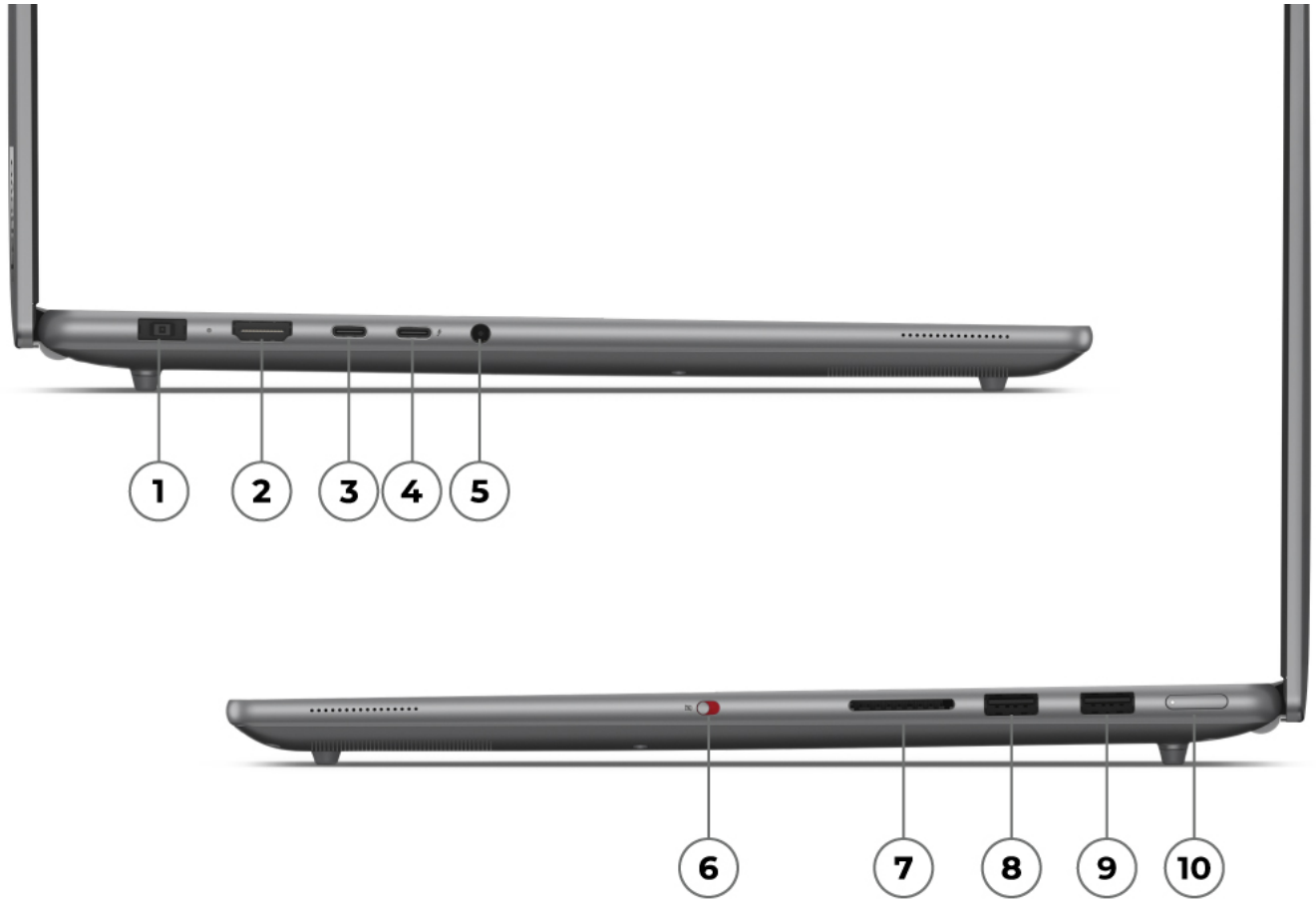
OVERVIEW



1. Power connector	6. E-shutter switch
2. HDMI	7. SD card reader
3. USB-C (USB 20Gbps), with USB PD 3.0 & DP 1.4	8. USB-A (USB 5Gbps)
4. Thunderbolt 4	9. USB-A (USB 5Gbps), Always On
5. Headphone / microphone combo jack (3.5mm)	10. Power button

PERFORMANCE

Processor

Processor Family

Intel® H Series Core™ Ultra 7 / 9 Processor (Series 1)

Processor**

Processor Name	Cores	Threads	Max Frequency	Cache	Processor Graphics	AI Engine
Core™ Ultra 7 155H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost
Core™ Ultra 9 185H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 5.1GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost

Operating System

Operating System**

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

NPU

NPU

Intel® AI Boost integrated in Intel® Core™ Ultra processor

Graphics

Graphics**

Graphics	Type	Memory	Boost Clock	TGP	Key Features
Intel® Arc™ Graphics	Integrated	Shared	-	Share CPU TDP	DirectX® 12.1
NVIDIA® GeForce RTX™ 4050 Laptop GPU	Discrete	6GB GDDR6	2370 MHz	100W	Advanced Optimus, Dynamic Boost 2.0, DirectX® 12 Ultimate
NVIDIA® GeForce RTX™ 4060 Laptop GPU	Discrete	8GB GDDR6	2370 MHz	100W	Advanced Optimus, Dynamic Boost 2.0, DirectX® 12 Ultimate
NVIDIA® GeForce RTX™ 4070 Laptop GPU	Discrete	8GB GDDR6	2175 MHz	100W	Advanced Optimus, Dynamic Boost 2.0, DirectX® 12 Ultimate

Monitor Support

Monitor Support

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

Chipset

Chipset

Intel® SoC (System on Chip) platform

Memory

Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable
- 64GB soldered memory, not upgradable

Memory Slots

Memory soldered to systemboard, no slots, dual-channel

Memory Type

LPDDR5x-7467

Storage

Storage Support[1][2]

Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 1TB

Storage Slot

Two M.2 2280 PCIe® 4.0 x4 slots

Storage Type

Disk Type	Interface	Offering
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.
[2] The system supports dual SSD via two M.2 slots, but Lenovo® only offers one SSD configuration and another SSD slot for user self-extension.

Removable Storage

Card Reader

SD card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers**

- Models with discrete graphics:
  6 stereo speakers, 2W x4 (dual side woofers), 2W x2 (tweeters), optimized with Dolby Atmos®, Smart Amplifier (AMP)
- Models with integrated graphics:
  4 stereo speakers, 2W x2 (woofers), 2W x2 (tweeters), optimized with Dolby Atmos®, Smart Amplifier (AMP)

Microphone

Quad-microphone array

Camera

5.0MP + IR, with E-shutter, fixed focus

Sensor

Sensors

- Hall sensor
- ToF sensor

Battery

Battery

Integrated Li-Polymer 84Wh battery, supports Rapid Charge Pro (charge up to 50% in 30min)

Max Battery Life[1]

- Models with 2.5K IPS panel and integrated graphics:
  MobileMark® 25@250nits: 9 hr
  Local video (1080p) playback@150nits: 20 hr
- Models with 3.2K IPS panel and discrete graphics:
  MobileMark® 25@250nits: 5.5 hr
  Local video (1080p) playback@150nits: 12.5 hr
- Models with 3.2K IPS panel and integrated graphics:
  MobileMark® 25@250nits: 8 hr
  Local video (1080p) playback@150nits: 16.5 hr
- Models with 3.2K Mini LED panel and discrete graphics:
  MobileMark® 25@250nits: 5 hr
  Local video (1080p) playback@150nits: 11 hr

Notes:

[1] 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[**][1]

- 100W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 170W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

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
16″	2.5K WQXGA (2560x1600)	None	IPS[1]	350nits	Anti-glare	16:10	1200:1	100% sRGB	120Hz (Max)	89°/89°/89°/89°	ΔE<1.5 (Avg.) X-Rite® factory color calibration, Eyesafe® Certified 2.0, Dolby Vision®
16″	3.2K (3200x2000)	None	IPS[2]	400nits	Anti-glare	16:10	1,200:1	100% P3, 100% sRGB	165Hz (Max)	89°/89°/89°/89°	ΔE≤1 (Avg.), Eyesafe® Certified 2.0, Dolby Vision®, TCON
16″	3.2K (3200x2000)	None	Mini LED	SDR 600nits / HDR 1,200nits	Anti-glare	16:10	SDR 1,200:1 / HDR 1,000,000:1	100% P3, 100% Adobe® RGB, 100% sRGB	165Hz (Max)	89°/89°/89°/89°	ΔE≤1 (Avg.), Eyesafe® Certified 2.0, Dolby Vision®, VESA DisplayHDR™ 1000, TCON
16″	3.2K (3200x2000)	OGS touch	IPS[3]	400nits	Glossy, anti-fingerprint	16:10	1,200:1	100% P3, 100% sRGB	165Hz (Max)	89°/89°/89°/89°	ΔE≤1 (Avg.), Eyesafe® Certified 2.0, Dolby Vision®, Glass, TCON
16″	3.2K (3200x2000)	OGS touch	Mini LED	SDR 600nits / HDR 1,200nits	Glossy, anti-fingerprint	16:10	SDR 1,200:1 / HDR 1,000,000:1	100% P3, 100% Adobe® RGB, 100% sRGB	165Hz (Max)	89°/89°/89°/89°	ΔE≤1 (Avg.), Eyesafe® Certified 2.0, Dolby Vision®, VESA DisplayHDR™ 1000, Glass,

											TCON

Color Calibration

- TCON (Timing Controller) color calibration
- X-Rite® factory color calibration

Touchscreen

- OGS (One Glass Solution) multi-touch, supports 10-point touch
- Non-touch

Notes:

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

Input Device

Keyboard

6-row, multimedia Fn keys, numeric keypad

Keyboard Backlight

LED backlight

Touchpad

Buttonless glass surface multi-touch touchpad, supports Precision TouchPad (PTP), 95 x 150 mm (3.75 x 5.91 inches)

Mechanical

Dimensions (WxDxH)[1]

Models	Dimensions
IPS models	362.72 x 253.69 x 17.9 mm (14.28 x 9.99 x 0.70 inches)
Mini LED models	362.72 x 253.69 x 18.3 mm (14.28 x 9.99 x 0.72 inches)

Weight[2]

Models	Weight
Models with 2.5K IPS panel and integrated graphics	Starting at 1.93 kg (4.25 lbs)
Models with 3.2K IPS panel and integrated graphics	Starting at 1.93 kg (4.25 lbs)
Models with 3.2K IPS panel and discrete graphics	Starting at 2 kg (4.41 lbs)
Models with 3.2K Mini LED panel and discrete graphics	Starting at 2.05 kg (4.52 lbs)

Case Color**

- Luna grey
- Tidal teal

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® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card

Notes:

[1] 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.
Bluetooth® 5.3 operation requires Windows® 11. For more information please visit General Bluetooth® Support Information on Microsoft®.

Ports[1]

Standard Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with USB PD 3.0 and DisplayPort™ 1.4
- 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI®, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD card reader
- 1x Power connector

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.

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in SoC

Fingerprint Reader

No fingerprint reader

BIOS Security

- Administrator password
- Master hard disk password
- Self-healing BIOS
- User hard disk password
- User password

Other Security

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

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]**

- Lenovo® YOGA True Wireless Stereo Earbuds
- Yoga® Pro Mouse
- None

Notes:

[1] For more compatible accessory solutions, please visit Accessories for Yoga® Pro 9 16IMH9.

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).

ENVIRONMENTAL

Sustainability

Material

100% FSC-certificated Paper used in Box, and Manual
Plastic-Free package
50% Recycled Aluminum alloy on D Cover
30% PCC Recycled Plastic used in 170W Adapter Case
90% PCC Recycled Plastic used in 100W Adapter Case
30% PCC Recycled Plastic used in Battery Pack
30% PCC Recycled Plastic used in Speaker Enclosures
50% PCC Recycled Plastic used in Keyboard Keycap

CERTIFICATIONS

Green Certifications[1]

Green Certifications[2]

- Carbon Neutral Certified
- ENERGY STAR® 8.0
- EPEAT™ Gold Registered[3]
- ErP Lot 6
- ErP Lot 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 dependent on system 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
- Eyesafe® Certified 2.0
- TÜV Rheinland® Low Blue Light (Hardware Solution)

- Feature with ** means that only one offering listed under the feature is configured on selected models.
- Feature with *** means that one or more offerings listed under the feature could be configured on selected models.
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