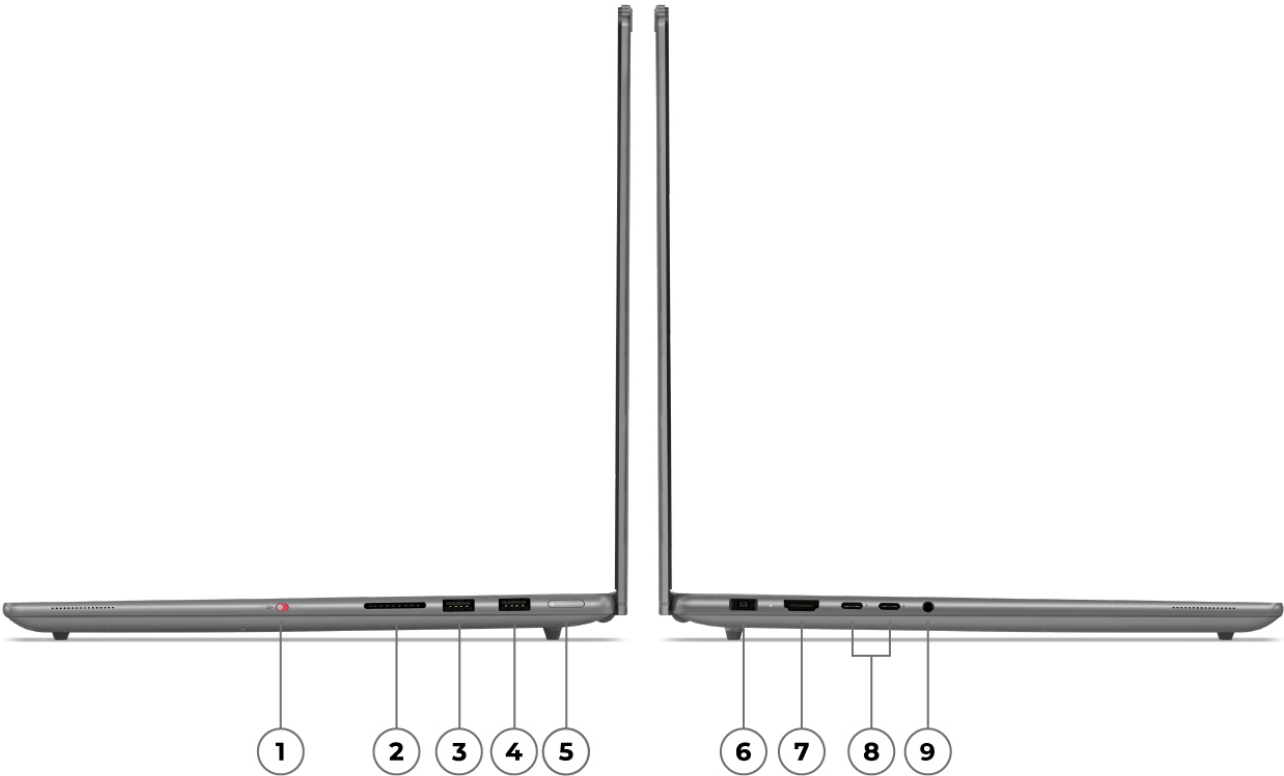


OVERVIEW



1. E-shutter switch	6. Power connector
2. SD card reader	7. HDMI
3. USB-A (USB 5Gbps)	8. 2x Thunderbolt 4
4. USB-A (USB 5Gbps), Always On	9. Headphone / microphone combo jack (3.5mm)
5. Power button	

PERFORMANCE

Processor

Processor Family

Intel® H Series Core Ultra 7 / 9 Processor (Series 2) - Arrow Lake

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU	Overall TOPS
Core Ultra 7 255H	16 (6 P-core + 8 E-core + 2 LP E-core)	16	P-core 2.0GHz / E-core 1.5GHz / LP E-core 700MHz	P-core 5.1GHz / E-core 4.4GHz / LP E-core 2.5GHz	24MB Intel® Smart Cache	Intel® Arc™ 140T GPU, up to 74 TOPS	Intel® AI Boost, up to 13 TOPS	Up to 96 TOPS
Core Ultra 9 285H	16 (6 P-core + 8 E-core + 2 LP E-core)	16	P-core 2.9GHz / E-core 2.7GHz / LP E-core 1.0GHz	P-core 5.4GHz / E-core 4.5GHz / LP E-core 2.5GHz	24MB Intel® Smart Cache	Intel® Arc™ 140T GPU, up to 77 TOPS	Intel® AI Boost, up to 13 TOPS	Up to 99 TOPS

AI (Artificial Intelligence)

AI PC Category

AI PC^[1]

NPU

Integrated Intel® AI Boost, up to 13 TOPS

Notes:

[1] AI PCs have a NPU capable of 10+ TOPs to run the Copilot assistant by pressing the optional Microsoft® Copilot key or using Win + C.

Operating System

Operating System**

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language

Graphics

Graphics**

Graphics	Type	Memory	Boost Clock	TGP	AI TOPS (Peak)	Key Features
NVIDIA® GeForce RTX™ 5050 Laptop GPU	Discrete	8GB GDDR7	2662 MHz	100W	440 TOPS	DLSS 4, Reflex 2, DirectX® 12 Ultimate
NVIDIA® GeForce RTX™ 5060 Laptop GPU	Discrete	8GB GDDR7	2497 MHz	100W	572 TOPS	DLSS 4, Reflex 2, DirectX® 12 Ultimate
NVIDIA® GeForce RTX™ 5070 Laptop GPU	Discrete	8GB GDDR7	2347 MHz	100W	798 TOPS	DLSS 4, Reflex 2, DirectX® 12 Ultimate

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 8K@60Hz
- Thunderbolt™ supports up to 8K@60Hz

Notes:

[1] 8K resolution support requires 2 display pipes. The number of supported simultaneous displays is reduced by 1.

Chipset

Chipset

Intel® SoC (System on Chip) platform

Memory

Max Memory

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

Memory Slots

Memory soldered to systemboard, no slots, dual-channel

Memory Type

LPDDR5X-8400

Storage

Max Storage Support^[1]

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 1TB each

Storage Slot^{[2][3]}

Two M.2 slots

- One M.2 2242 PCIe® 4.0 x4 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	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).

[3] SSD Slot1 includes a M.2 2242 SSD by default, SSD Slot2 optionally supports M.2 2242. If SSD Slot2 is not factory-configured with 2242, only M.2 2280 SSD is supported for user upgrades.

Removable Storage

Card Reader

SD card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers

6 stereo speakers, 2W x4 (dual side woofers), 2W x2 (tweeters), optimised with Dolby Atmos®, Smart Amplifier (AMP)

Microphone

Quad-microphone array

Camera

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

Sensor

Sensors

Hall sensor

Battery

Battery

84Wh Rechargeable Li-ion Battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)

Max Battery Life^[1]

MobileMark® 30@250nits: 5.5 hr
Local video (1080p) playback@150nits: 14 hr

Notes:

[1] 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]

- 170W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz
- 245W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz
- No power adapter

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"	2.8K WQXGA+ (2880x1800)	Non-touch	OLED	1,100nits (HDR peak) / 500nits (SDR typical)	Glossy	16:10	1,000,000:1	100% DCI-P3, 100% sRGB	120Hz (Max)	85° / 85° / 85° / 85°	PureSight Pro, Eyesafe® Certified 2.0, Dolby Vision®, TÜV Rheinland® Flicker Free, DisplayHDR™ True Black 1000, ΔE<1 (Avg.) X-Rite®
16"	2.8K WQXGA+ (2880x1800)	OGS touch	OLED	1,100nits (HDR peak) / 500nits (SDR typical)	Glossy, anti-fingerprint	16:10	1,000,000:1	100% DCI-P3, 100% sRGB	120Hz (Max)	85° / 85° / 85° / 85°	PureSight Pro, Eyesafe® Certified 2.0, Dolby Vision®, TÜV Rheinland® Flicker Free, DisplayHDR™ True Black 1000, AGC Dragontrail™ Glass, ΔE<1 (Avg.) X-Rite®
16"	3.2K (3200x2000)	Non-touch	Tandem OLED	1,600nits (HDR peak) / 1,000nits (SDR typical)	Glossy	16:10	1,000,000:1	100% DCI-P3, 100% Adobe® RGB, 100% sRGB	120Hz (Max)	85° / 85° / 85° / 85°	PureSight Pro, Eyesafe® Certified 2.0, Dolby Vision®, TÜV Rheinland® Flicker Free, DisplayHDR™

											True Black 1000, ΔE<1 (Avg.) X-Rite®
16"	3.2K (3200x2000)	OGS touch	Tandem OLED	1,600nits (HDR peak) / 1,000nits (SDR typical)	Glossy, anti-fingerprint	16:10	1,000,000:1	100% DCI-P3, 100% Adobe® RGB, 100% sRGB	120Hz (Max)	85° / 85° / 85°	PureSight Pro, Eyesafe® Certified 2.0, Dolby Vision®, TÜV Rheinland® Flicker Free, DisplayHDR™ True Black 1000, AGC Dragontrail™ Glass, ΔE<1 (Avg.) X-Rite®

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

Screen-to-Body Ratio
90.17% AAR (active area ratio)

Color Calibration
X-Rite® factory color calibration

Notes:
[1] Viewing angle over 85°

Input Device

- Pen**
No support
- Keyboard**
6-row, multimedia Fn keys, numeric keypad, key travel 1.5mm, Copilot key
- Keyboard Backlight**
LED backlight
- Touchpad**
Buttonless glass surface multi-touch touchpad, supports Precision TouchPad (PTP), 95 x 150 mm (3.74 x 5.91 inches)

Mechanical

Dimensions (WxDxH)^[1]
362.72 x 253.69 x 17.9 mm (14.28 x 9.99 x 0.70 inches)

Weight^[2]

Models	Weight
Models with non-touch panel	Starting at 1.92 kg (4.23 lbs)
Models with touch panel	Starting at 2.07 kg (4.56 lbs)

- Case Color**^{**}
- Luna grey
 - Tidal teal

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® 7, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4

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 65-100W and DisplayPort™ 2.1^[2]
- 1x HDMI® 2.1, up to 8K/60Hz^[3]
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD card reader
- 1x Slim tip 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.

[2] Supports Lenovo® protocol for 135W charging but requires a unique Lenovo® adapter for operation.

[3] HDMI® 2.1 FRL, 8K/60Hz

Docking

Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for Yoga® Pro 9 16IAH10](#)

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
- User hard disk password
- User password
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator^{\[1\]}](#)

Other Security

- E-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]

- Lenovo® TWS YOGA PC Edition (tidal teal)
- Lenovo® USB-C® 4-in-1 Hub Gen 2
- Yoga® Pro Mouse (tidal teal)
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for Yoga® Pro 9 16IAH10](#).

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^[1]

Plastic-Free package

100% FSC-certificated Paper used in Box, and Manual

Recycled Material

50% Recycled Aluminum alloy on D cover
30% PCC Recycled Plastic used in 170W Adapter Case
30% PCC Recycled Plastic used in Speaker Enclosure
50% PCC Recycled Plastic used in Keyboard Keycap
30% PCC Recycled Plastic used in Battery Pack

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

CERTIFICATIONS

Green Certifications^[1]

Green Certifications^[2]

- (Optional) Carbon Neutral Certified
- ENERGY STAR® 9.0
- 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

- Intel® Evo™ Platform
- Eyesafe® Certified 2.0
- TÜV Rheinland® Flicker Free
- TÜV Rheinland® Low Blue Light (Hardware 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.
- Feature with *** means that one or more options listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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