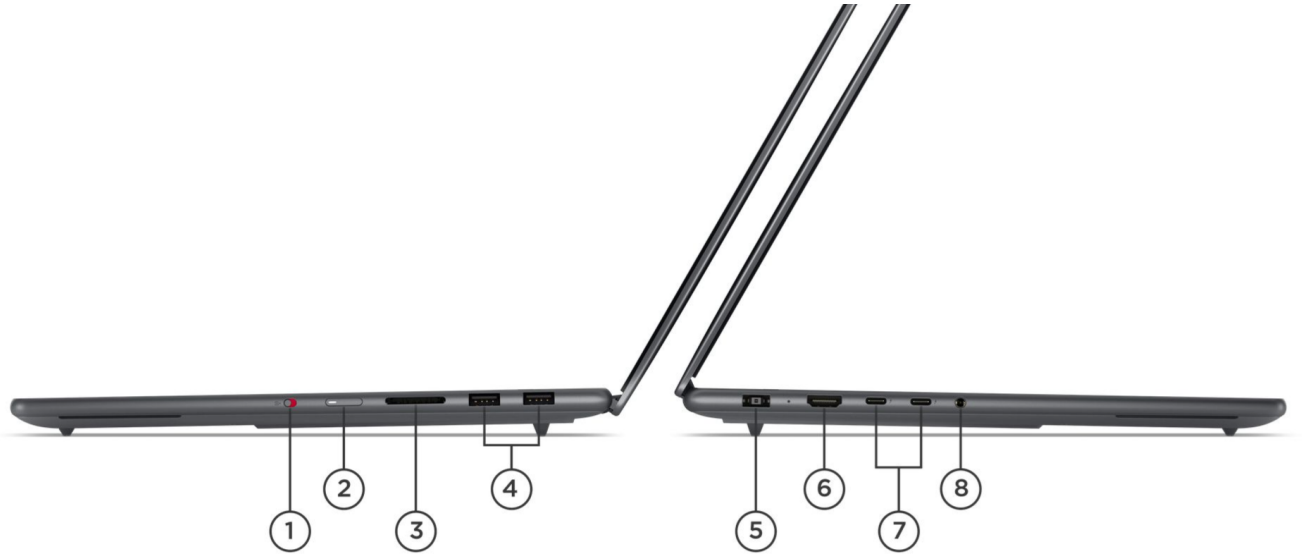
OVERVIEW



1. E-shutter switch	5. Slim tip (rectangle) power connector
2. Power button	6. HDMI
3. SD card reader (UHS-II)	7. 2x Thunderbolt 4
4. USB-A (USB 10Gbps, one Always On)	8. Headphone / microphone combo jack (3.5mm)

PERFORMANCE

Processor

Processor Family

Intel Core™ Ultra 9 Processor (Series 3) - Panther Lake

Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 9 386H	16 (4 P-core + 8 E-core + 4 LP E-core)	16	P-core 2.1GHz / E-core 1.6GHz / LP E-core 1.6GHz	P-core 4.9GHz / E-core 3.7GHz / LP E-core 3.5GHz	18MB Intel® Smart Cache	Intel® Graphics, up to 40 TOPS	Up to 50 TOPS

AI (Artificial Intelligence)

AI PC Category

Copilot+ PC[1]

NPU

Up to 50 TOPS

Notes:

[1] Copilot+ PCs have at least 16GB RAM, 256GB storage, and a NPU that runs 40+ TOPs to run the latest AI tools build-in latest Windows® 11 to accelerate productivity and creativity.

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, NVIDIA® Reflex 2, DirectX® 12 Ultimate
NVIDIA GeForce RTX™ 5060 Laptop GPU	Discrete	8GB GDDR7	2497 MHz	100W	572 TOPS	DLSS 4, NVIDIA® Reflex 2, DirectX® 12 Ultimate
NVIDIA GeForce RTX™ 5070 Laptop GPU	Discrete	12GB GDDR7	2347 MHz	100W	798 TOPS	DLSS 4, NVIDIA® 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-7467

Storage

Max Storage Support[1]

Up to two drives, 2x M.2 SSD
• M.2 2242 SSD up to 2TB 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 / 2TB

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 supports M.2 2242/2280.

Removable Storage

Card Reader

SD card reader, supports UHS-II SD card

Multi-Media

Audio Chip

SoundWire®, Cirrus Logic® CS42L43 codec

Speakers

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

Microphone

Quad-microphone array, 3D array

Camera

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

Sensor

Sensors

Hall sensor

Battery

Battery[1]

92.5Wh Rechargeable Li-ion Battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge) with 170W or 245W AC adapter

Max Battery Life[2]

- 2.8K OLED models:
  MobileMark® 30@250nits: 8.5 hr
  Local video (1080p) playback@150nits: 21 hr
- 3.2K OLED models:
  MobileMark® 30@250nits: 8 hr
  Local video (1080p) playback@150nits: 20 hr

Notes:

[1] Rapid Charge Express is only effective when the computer is in hibernation mode or fully shut down.

[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]

- 170W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz
- 245W slim 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	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
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% P3, 100% sRGB, 99% Adobe® RGB	120Hz (Max)	85° / 85° / 85° / 85°	PureSight Pro, Eyesafe® Certified 2.0, Dolby Vision®, TÜV Rheinland® Flicker Free, DisplayHDR™ True Black 1000, Corning® Gorilla® Glass 3, ΔE<1 (Avg.) X-Rite, TCON, Pantone Validated, Pantone SkinTone Validated
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% P3, 100% sRGB, 99% Adobe® RGB	120Hz (Max)	85° / 85° / 85° / 85°	PureSight Pro, Eyesafe® Certified 2.0, Dolby Vision®, TÜV Rheinland® Flicker Free, DisplayHDR™ True Black 1000, Corning® Gorilla® Glass 3, ΔE<1 (Avg.) X-Rite, TCON, Pantone

											Validated, Pantone SkinTone Validated

Touchscreen

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

Screen-to-Body Ratio

90.17% AAR (active area ratio)

Color Calibration***

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

Notes:

[1] Viewing angles exceeding 85°.

Input Device

Pen

Lenovo® Yoga® Pen Gen 2 (luna grey)

Keyboard

6-row, multimedia Fn keys, key travel 1.5mm, Copilot key

Keyboard Backlight

LED backlight

Touchpad

Buttonless glass surface multi-touch Force Pad, supports pen input, Precision TouchPad (PTP), 95 x 150 mm (3.74 x 5.91 inches)

Mechanical

Dimensions (WxDxH)[1]

360.8 x 248.9 x 17.3 mm (14.20 x 9.80 x 0.68 inches)

Weight[2]

Starting at 1.90 kg (4.19 lbs)

Case Color

Thunder 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® 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 10Gbps), Always On
- 1x USB-A (USB 10Gbps)
- 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 (UHS-II)
- 1x Slim tip (rectangle) 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 245W 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 Lenovo® Pro 9 16IPH11

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

Other Security

- Ultrasonic Human Presence Detection
- E-shutter
- IR camera for Windows® Hello (facial recognition)

SERVICE

Warranty

Base Warranty

1-year courier or carry-in service

ACCESSORIES

Bundled Accessories

Bundled Accessories[1]

None

Notes:

[1] For more compatible accessory solutions, please visit Accessories for Lenovo® Pro 9 16IPH11.

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 Carton and Manual

Recycled Material
50% Recycled Aluminium alloy on D Cover
60% Recycled Aluminium alloy on Keyboard Base Plate
100% Recycled Copper in PCB
100% Recycled Cobalt in Battery Cell
30% PCC Recycled Plastic used in Adapter Case
50% PCC Recycled Plastic used in Keyboard Keycap
30% PCC Recycled Plastic used in Battery Pack
30% PCC Recycled Plastic used in Speaker Enclosure

Notes:

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

CERTIFICATIONS

Green Certifications[1]

Green Certifications[2]

- Carbon Neutral Certified
- ENERGY STAR® 9.0
- EPEAT 1.0 Gold Registered[3]
- EPEAT Climate+
- 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
- Pantone® SkinTone™ Validated
- Pantone® Validated
- TÜV Rheinland® Advanced Ecosystem Ready Certification
- 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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