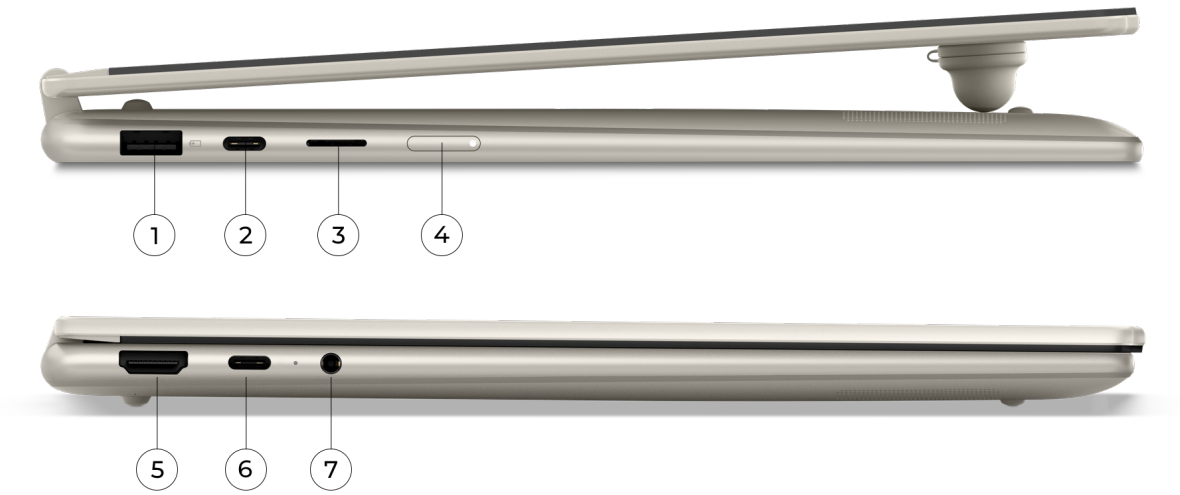
OVERVIEW



1. USB-A (USB 5Gbps), Always On	5. HDMI
2. USB-C (USB 10Gbps), with USB PD 45-65W & DP 1.4a	6. USB-C (USB 10Gbps), with USB PD 45-65W & DP 2.1 UHBR10
3. microSD card reader	7. Headphone / microphone combo jack (3.5mm)
4. Power button	

Notes:

- Yoga Pen Gen 2 Case availability varies by country/region.

PERFORMANCE

Processor

Processor Family

AMD Ryzen™ AI 5 / 7 / 9 400 Series Processor - Gorgon Point

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU	Overall TOPS
AMD Ryzen™ AI 5 430	4	8	2.0GHz	4.5GHz	4MB L2 / 8MB L3	AMD Radeon™ 840M	AMD Ryzen™ AI, up to 50 TOPS	Up to 58 TOPS
AMD Ryzen™ AI 5 435	6	12	2.0GHz	4.5GHz	6MB L2 / 8MB L3	AMD Radeon™ 840M	AMD Ryzen™ AI, up to 50 TOPS	Up to 59 TOPS
AMD Ryzen™ AI 7 445	6	12	2.0GHz	4.6GHz	6MB L2 / 8MB L3	AMD Radeon™ 840M	AMD Ryzen™ AI, up to 50 TOPS	Up to 59 TOPS
AMD Ryzen™ AI 9 465	10	20	2.0GHz	5.0GHz	10MB L2 / 24MB L3	AMD Radeon™ 880M	AMD Ryzen™ AI, up to 50 TOPS	Up to 73 TOPS

AI (Artificial Intelligence)

AI PC Category

- Copilot+ PC[1]
- Non-AI PC

NPU

Integrated AMD Ryzen™ AI, 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
- No preload operating system

Graphics

Graphics**

Graphics	Type	Memory	Key Features
AMD Radeon™ 840M	Integrated	Shared	DirectX® 12
AMD Radeon™ 880M	Integrated	Shared	DirectX® 12

Monitor Support

Monitor Support[1]

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

AMD SoC (System on Chip) platform

Memory

Max Memory

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable
- 24GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

Memory Slots

Memory soldered to systemboard, no slots, dual-channel

Memory Type**

- LPDDR5X-8000
- LPDDR5X-8533

Storage

Max Storage Support[1]

One drive, up to 2TB 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	512GB / 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).

Removable Storage

Card Reader

microSD card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers

4 stereo speakers, 2W x2 (woofers), 2W x2 (tweeters), optimised with Dolby Atmos®, Smart Amplifier (AMP)

Microphone

Quad-microphone array, 3D array

Camera

5.0MP + IR, with privacy shutter, fixed focus

Sensor

Sensors

- Accelerometer (G) sensor
- Hall sensor

Battery

Battery[1]

70Wh Rechargeable Li-ion Battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)

Max Battery Life[2]

- WUXGA OLED models:
  MobileMark® 30@250nits: 16.5 hr

Local video (1080p) playback@150nits: 30.5 hr
- WUXGA IPS models:
  MobileMark® 30@250nits: 16 hr
  Local video (1080p) playback@150nits: 30.5 hr
- 2.8K OLED models:
  MobileMark® 30@250nits: 12.5 hr
  Local video (1080p) playback@150nits: 18.5 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]

- 65W USB-C® slim (2-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter

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″	WUXGA (1920x1200)	OGS touch	IPS[1]	400nits	Glossy, anti-fingerprint	16:10	1,000:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	Dolby Vision®, TÜV Rheinland® Low Blue Light (Software), Glass
16″	WUXGA (1920x1200)	OGS touch	OLED	300nits	Glossy, anti-fingerprint	16:10	1,000,000:1	100% DCI-P3, 100% sRGB	60Hz	85° / 85° / 85° / 85°	Dolby Vision®, TÜV Rheinland® Low Blue Light (Hardware), Corning® Gorilla® Glass 3
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, 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

Touchscreen

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

Screen-to-Body Ratio

90.24% AAR (active area ratio)

Color Calibration

- X-Rite® factory color calibration
- No color calibration

Notes:

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

Multi-mode

Multi-mode

Laptop, tent, stand, tablet, and canvas modes supported by 360° hinge

Input Device

Pen**

- Lenovo® Yoga® Pen Gen 2 with Case (seashell)
- Lenovo® Yoga® Pen Gen 3 with Case (seashell)
- No pen bundled (purchase separately)

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), 80 x 135 mm (3.15 x 5.31 inches)

Mechanical

Dimensions (WxDxH)[1]

360 x 257 x 15.85 mm (14.17 x 10.11 x 0.62 inches)

Weight[2]

Models	Weight
Models with IPS panel	Starting at 1.83 kg (4.03 lbs)
Models with OLED panel	Starting at 1.74 kg (3.84 lbs)

Case Color

Seashell

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, 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-C® (USB 10Gbps), with USB PD 45-65W and DisplayPort™ 1.4a
- 1x USB-C® (USB 10Gbps), with USB PD 45-65W and DisplayPort™ 2.1 UHBR10
- 1x HDMI® 2.1, up to 4K/60Hz
- 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 supported via USB-C®.
For more compatible docking solutions, please visit Docking for Yoga® 7 2-in-1 16AGP11

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

Other Security

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

SERVICE

Warranty

Base Warranty**

- 1-year courier or carry-in service
- 2-year (1-yr battery) courier or carry-in service

ACCESSORIES

Bundled Accessories

Bundled Accessories***[1]

- Lenovo® Yoga® Tote Sleeve 16" (grey)
- Yoga® Mouse (seashell)
- None

Notes:

[1] For more compatible accessory solutions, please visit Accessories for Yoga® 7 2-in-1 16AGP11.

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
90% PCC Recycled Plastic used in 65W (2-pin) Adapter Case
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 Footprint Certified
- (Optional) 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

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Flicker Free
- Models with 2.8K or WUXGA OLED panel:
  TÜV Rheinland® Low Blue Light (Hardware Solution)
- Models with WUXGA IPS panel:
  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.
- 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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Copilot+PC

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