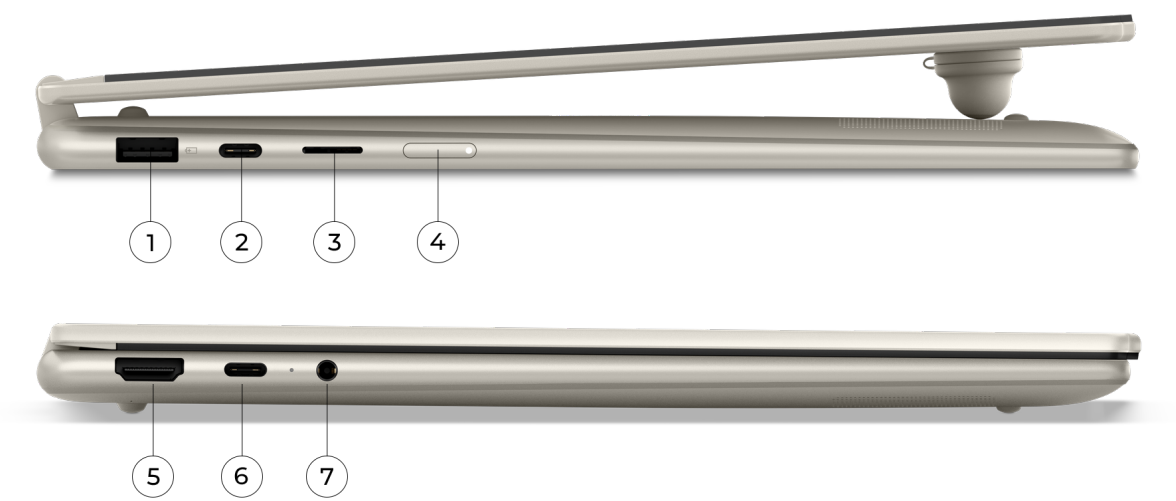


OVERVIEW



|                                                     |                                                           |
|-----------------------------------------------------|-----------------------------------------------------------|
| 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<sup>[1]</sup>
- 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<sup>[1]</sup>

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

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<sup>[1]</sup>

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

Storage Slot<sup>[2]</sup>

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), optimized 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<sup>[1]</sup>

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

Max Battery Life<sup>[2]</sup>

- WUXGA OLED models:  
MobileMark® 30@25Onits: 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 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<sup>[1]</sup>
- 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

| 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 <sup>[1]</sup> | 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)
- 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)<sup>[1]</sup>

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

Weight<sup>[2]</sup>

| 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<sup>®</sup><sup>[1]</sup>

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<sup>[1]</sup>

### 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<sup>\*\*\*[1]</sup>

- 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<sup>[1]</sup>

- 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<sup>[1]</sup>

Plastic-Free package

100% FSC-certificated Paper used in Carton and Manual

Recycled Material

50% Recycled Aluminum alloy on D cover

90% PCC Recycled Plastic used in 65W 2Pin 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<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- (Optional) Carbon Neutral Certified
- ENERGY STAR® 9.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- 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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://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.
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