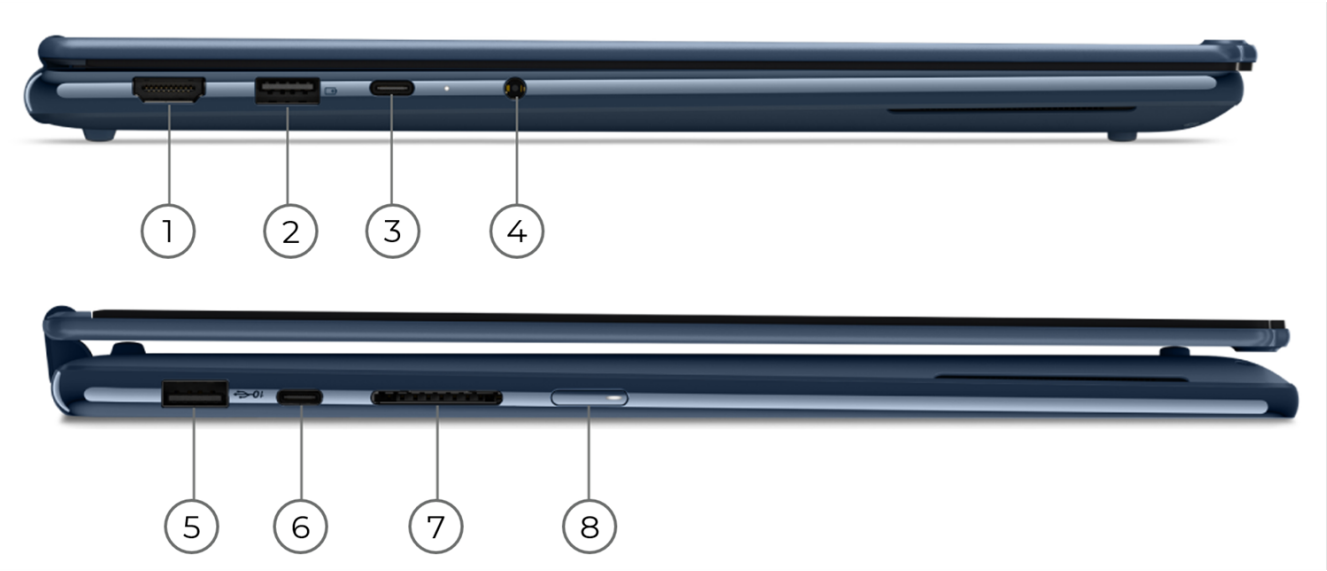
OVERVIEW



1. HDMI	5. USB-A (up to USB 10Gbps)
2. USB-A (up to USB 10Gbps), Always On	6. USB-C (up to USB4 40Gbps), with USB PD 65-100W & DP 2.1
3. USB-C (up to USB4 40Gbps), with USB PD 65-100W & DP 2.1	7. SD card reader
4. Headphone / microphone combo jack (3.5mm)	8. Power button

PERFORMANCE

Processor

Processor Family

NVIDIA RTX Spark™ processor family

Processor**

Processor Name	Cores	Processor Graphics	NPU
NVIDIA RTX Spark™ N1X with 5120-core GPU and 18-core CPU	18	NVIDIA® Blackwell RTX 5120-core GPU	NVIDIA® NPU
NVIDIA RTX Spark™ N1X with 6144-core GPU and 20-core CPU[1]	20	NVIDIA® Blackwell RTX 6144-core GPU	NVIDIA® NPU

Notes:

[1] Up to 1 Petaflop FP4 AI Performance

AI (Artificial Intelligence)

AI PC Category

Copilot+ PC[1]

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	Key Features
NVIDIA® Blackwell RTX 5120-core GPU	Integrated	Unified Memory	DLSS 5, DirectX® 12 Ultimate
NVIDIA® Blackwell RTX 6144-core GPU	Integrated	Unified Memory	DLSS 5, DirectX® 12 Ultimate

Monitor Support

Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and USB-C®)
• HDMI® supports up to 8K@120Hz
• USB-C® supports up to 8K@120Hz[1]

Notes:

[1] For Max resolution, DSC-enabled display is required. 8K resolution support requires 2 display pipes. The number of supported simultaneous displays is reduced by 1.

Chipset

Chipset

NVIDIA® SoC (System on Chip) platform

Memory

Max Memory

- 32GB LPDDR5X unified memory, not upgradable
- 64GB LPDDR5X unified memory, not upgradable

Memory Slots

Unified memory, 16-channel capable

Memory Type

LPDDR5X-9400, 256-bit, unified memory

Storage

Max Storage Support[1][2]

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

Storage Slot[3]

Two M.2 2242 PCIe® 4.0 x4 slots

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 system supports dual SSDs via two M.2 slots, but Lenovo® offers selected models with only one SSD installed, leaving the second slot available for user upgrades.
[3] 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

SD card reader

Multi-Media

Audio Chip

SoundWire®, Cirrus Logic® CS42L43 codec

Speakers

6 stereo speakers, 2W x4 (dual side woofers), 1W x2 (tweeters), optimised with Dolby Atmos®, Smart Amplifier (AMP)

Microphone

Triple-microphone array, 3D with noise-cancelling

Camera

9.2MP + IR, with privacy shutter, fixed focus

Sensor

Sensors

- Accelerometer (G) sensor
- Hall sensor

Battery

Battery[1]

99.9Wh Rechargeable Li-ion Battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)

Max Battery Life[2]

Battclues 3.0@200nits: 10.1 hr
Web browsing@150nits: 13.05 hr
Local video (1080p) playback@150nits: 19.83 hr

Notes:

[1] Rapid Charge Pro 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]

- 140W USB-C® slim (3-pin) AC adapter, 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"	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, Pantone Validated, Pantone SkinTone Validated

Touchscreen

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

Screen-to-Body Ratio

93.3% AAR (active area ratio)

Color Calibration

X-Rite® factory color calibration

Multi-mode

Multi-mode

Laptop, tent, stand, and tablet modes supported by 360° sound-bar hinge

Input Device

Pen**

- Lenovo® Yoga® Pen Gen 2 with Case (cosmic blue)
- Lenovo® Yoga® Pen Gen 3 with Case (cosmic blue)

Keyboard

6-row, multimedia Fn keys, numeric keypad, 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 x 243.8 x 17.5 mm (14.17 x 9.59 x 0.69 inches)

Weight[2]

Starting at 1.94 kg (4.28 lbs)

Case Color

Cosmic blue

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 (up to USB 10Gbps), Always On
- 1x USB-A (up to USB 10Gbps)
- 2x USB-C® (up to USB4® 40Gbps), 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

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] Support Lenovo® protocol on 140W (20V/7A) charging, but requires a unique Lenovo® adapter for operation.
[3] HDMI® 2.1 FRL, 8K/60Hz

Docking

Docking

Various docking solutions supported via USB-C®.
For more compatible docking solutions, please visit Docking for Yoga® 9 2-in-1 16N1X11

SECURITY & PRIVACY

Security

Security Chip

Discrete TPM 2.0, TCG certified

Fingerprint Reader

No fingerprint reader

BIOS Security

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

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

ACCESSORIES

Bundled Accessories

Bundled Accessories*[1]

- Lenovo® Yoga® Tote Sleeve 16" (blue)
- Yoga® Mouse (cosmic blue)
- None

Notes:

[1] For more compatible accessory solutions, please visit Accessories for Yoga® 9 2-in-1 16N1X11.

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
100% Recycled Cobalt in Battery Cell
30% PCC Recycled Plastic used in Black 140W Adapter Case
30% PCC Recycled Plastic used in Speaker Woofer 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 2.0 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

- Eyesafe® Certified 2.0
- Pantone® SkinTone™ Validated
- Pantone® Validated
- 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.
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