

**OVERVIEW**

1. E-shutter switch	4. USB-C (USB4 40Gbps), with USB PD 3.1 & DP 1.4
2. Power button	5. USB-C (USB4 40Gbps), with USB PD 3.1 & DP 1.4
3. USB-C (USB4 40Gbps), with USB PD 3.1 & DP 1.4	

**Notes:**

- Pending USB4 Certification July 2024, subject to certification timing. All three USB Type-C connectors on this PC are designed and tested to be USB4 compliant and are powered by Qualcomm's System on a Chip (SoC). Qualcomm has submitted the SoC for USB4 certification to the USB Implementers Forum (USB-IF). The official approval from USB-IF may be granted at a later date than the initial availability date of the PC product. There are no differences in supported features or transmission rates before and after the official approval.

## PERFORMANCE

### Processor

#### Processor Family\*\*

- Snapdragon® X Elite
- Snapdragon® X Plus

#### Processor\*\*

Processor Name	Cores	Max Frequency	Cache	Processor Graphics	AI Engine
Snapdragon® X1E-78-100	12	3.4GHz	42MB Total	Qualcomm® Adreno™ GPU	Qualcomm® Hexagon™ NPU, up to 45 TOPS
Snapdragon® X1P-64-100	10	3.4GHz	42MB Total	Qualcomm® Adreno™ GPU	Qualcomm® Hexagon™ NPU, up to 45 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro (on ARM)
- Windows® 11 Home (on ARM)
- Windows® 11 Home Single Language (on ARM)

### NPU

#### NPU\*\*

- Qualcomm® Hexagon™ NPU integrated in Snapdragon® X Elite, up to 45 TOPS
- Qualcomm® Hexagon™ NPU integrated in Snapdragon® X Plus, up to 45 TOPS

### Graphics

#### Graphics

Graphics	Type	Memory	Key Features
Qualcomm® Adreno™ GPU	Integrated	Shared	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via USB-C®)

- USB4® supports up to 5K@60Hz or 3.2K@120Hz

### Chipset

#### Chipset

Qualcomm® SoC (System on Chip) platform

### Memory

#### Max Memory

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

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

#### Memory Type

LPDDR5x-8448

### Storage

#### Storage Support<sup>[1]</sup>

One drive, up to 1TB M.2 2242 SSD

#### Storage Slot

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

Notes:  
 [1] The storage capacity supported is based on the test results with current Lenovo® storage offerings.

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio

### Speakers

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

### Microphone

Quad-microphone array

### Camera

FHD 1080p (2.0MP) + IR, with E-shutter, fixed focus

## Sensor

### Sensors

- Ambient color sensor
- Hall sensor

## Battery

### Battery<sup>[1]</sup>

Integrated Li-Polymer 70Wh battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)

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

Web browsing@150nits: 16.4 hr  
 Local video (1080p) playback@150nits: 23.8 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, JEITA 2.0, 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® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

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
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14.5"	3K (2944x1840)	OGS touch	OLED	1,000nits (Peak) / 500nits (Typical) <sup>[1]</sup>	Glossy, anti-fingerprint	16:10	100,000:1	100% DCI-P3, 100% sRGB	90Hz (Max)	85°/85°/85°/85°	PureSight Display, ΔE<1 (Avg.) X-Rite® factory color calibration, Eyesafe® Certified 2.0, Dolby Vision®, VESA DisplayHDR™ True Black 600, Glass
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**Color Calibration**

X-Rite® factory color calibration

**Touchscreen**

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

Notes:

[1] 1000nits HDR / 500nits SDR

**Input Device**

**Keyboard**

6-row, multimedia Fn keys

**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>**

325 x 225.15 x 12.9 mm (12.79 x 8.86 x 0.51 inches)

**Weight<sup>[2]</sup>**

Starting at 1.28 kg (2.82 lbs)

**Case Color**

Cosmic blue

**Surface Treatment**

Aluminium stamping (anodized with sandblasting)

**Case Material**

Aluminium (top), aluminium (bottom)

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**

**Ethernet**

No onboard Ethernet

**WLAN + Bluetooth<sup>[1]</sup>**

Wi-Fi® 7, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4<sup>[2]</sup>

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**Notes:**

[1] Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

[2] 6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

**Ports<sup>[1]</sup>****Standard Ports<sup>[2]</sup>**

3x USB-C® (USB4® 40Gbps), with USB PD 3.1 and DisplayPort™ 1.4

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**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] Pending USB4® Certification July 2024, subject to certification timing.

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## SECURITY & PRIVACY

### Security

**Security Chip**

Microsoft® Pluton TPM 2.0 Enabled

**Fingerprint Reader**

No fingerprint reader

**BIOS Security**

- Administrator password
- User password
- Hard disk password

**Other Security**

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

## 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
- No base warranty

## ACCESSORIES

### Bundled Accessories

**Bundled Accessories\*\*<sup>[1]</sup>**

- Lenovo® USB-C® 4-in-1 Hub (USB-C® to VGA / HDMI® / USB-A / Combo audio jack)
- Lenovo® YOGA True Wireless Stereo Earbuds
- None

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**Notes:**

[1] For more compatible accessory solutions, please visit [Accessories for Yoga® Slim 7 14Q8X9](#).

## 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).

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

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

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6
- ErP Lot 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 dependent on system 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

- Eyesafe® Certified 2.0
- TÜV Rheinland® Low Blue Light (Hardware Solution)

- Feature with \*\* means that only one offering listed under the feature is configured on selected models.
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