

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 Processor

Processor

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

Operating System

Operating System**

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

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^[1]

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^[1]**

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

Max Battery Life^[2]

MobileMark® 25@250nits: 14.2 hr

Local video (1080p) playback@150nits: 21.5 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, 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**^[1]**

- 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
14.5"	3K (2944x1840)	OGS touch	OLED	1,000nits (Peak) / 500nits (Typical) ^[1]	Glossy, anti-fingerprint	16:10	100,000:1	100% DCI-P3	90Hz (Max)	85°/85°/85°/85°	PureSight Display, ΔE<1 (Avg.) X-Rite® factory color calibration, Eyesafe® Certified 2.0, Dolby

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

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 the 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**[1]

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

Notes:

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

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).

CERTIFICATIONS

Green Certifications^[1]

Green Certifications^[2]

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered^[3]
- 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 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
- 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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