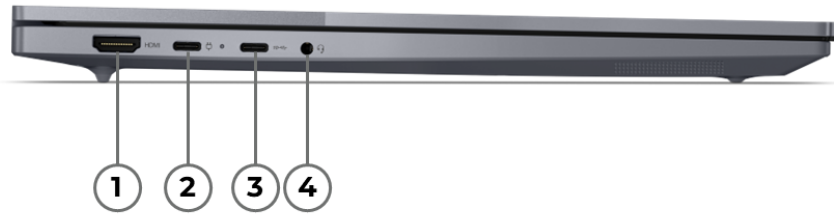


## OVERVIEW



1. HDMI	5. SD card reader
2. USB-C (USB 10Gbps), with USB PD 3.1 & DP 1.4	6. USB-A (USB 5Gbps)
3. USB-C (USB 10Gbps), with USB PD 3.1 & DP 1.4	7. USB-A (USB 5Gbps), Always On
4. Headphone / microphone combo jack (3.5mm)	8. Kensington Nano Security Slot

## PERFORMANCE

### Processor

#### Processor Family

Snapdragon® X Plus

#### Processor

Processor Name	Cores	Max Frequency	Cache	Processor Graphics	NPU
Snapdragon® X Plus X1P-42-100	8	3.4GHz (single-core) / 3.2GHz (8-core)	30MB Total	Qualcomm® Adreno™ GPU	Qualcomm® Hexagon™ NPU

### AI (Artificial Intelligence)

#### AI PC Category

Copilot+ PC

#### NPU

Qualcomm® Hexagon™ NPU integrated in Snapdragon® X Elite, 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)

### 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 HDMI® and USB-C®)

- HDMI® supports up to 4K@60Hz
- USB-C® supports up to 4K@60Hz

### 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
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## Notes:

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

## Removable Storage

### Card Reader

SD card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Qualcomm® WCD9385 codec

### Speakers

Stereo speakers (super linear speakers), 2W x2, Dolby Atmos®

### Microphone

Dual-microphone array with smart noise-cancelling

### Camera

FHD 1080p, with privacy shutter, fixed focus

## Battery

### Battery

Integrated Li-Polymer 84Wh battery

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

JEITA-BAT 3.0 (Video/Idle): up to 21.8 hr / 28.4 hr @200nits

Local video (1080p) playback@150nits: up to 30 hr

## Notes:

[1] All battery life claims are approximate maximum and based on results using the MobileMark® 2014, MobileMark® 2018, MobileMark® 25, 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® (3-pin) 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
16"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	1000:1	45% NTSC	60Hz	89° / 89° / 89° / 89°	TÜV Low Blue Light (Software)
16"	WQXGA (2560x1600)	None	IPS <sup>[2]</sup>	350nits	Anti-glare	16:10	1200:1	100% sRGB	120Hz	89° / 89° / 89° / 89°	Factory color calibration, Eyesafe® Certified 2.0

### Color Calibration

- TCON (Timing Controller) color calibration
- No color calibration

**Touchscreen**

Non-touch

Notes:

[1], [2] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

**Input Device****Keyboard**

6-row, spill-resistant, multimedia Fn keys, numeric keypad, 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>**

356.4 x 248.4 x 16.7 mm (14.03 x 9.78 x 0.66 inches)

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

Starting at 1.82 kg (4.02 lbs)

**Case Color**

Luna grey, dual-tone design

**Surface Treatment**

Anodizing 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<sup>[1]</sup>**

No onboard Ethernet

**WLAN + Bluetooth®<sup>[2]</sup>**Wi-Fi® 7, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.3 (Bluetooth® 5.4 hardware ready)<sup>[3]</sup>

Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

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

[3] 6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

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

- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1), one Always On
- 2x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 3.1 and DisplayPort™ 1.4
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD card reader

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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.

## SECURITY & PRIVACY

### Security

#### Security Chip

Microsoft® Pluton TPM 2.0 Enabled

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Fingerprint Reader

Touch style fingerprint reader integrated in power button, match-on-chip

#### BIOS Security

- Supervisor password
- Power-on password
- Hard disk password
- Self-healing BIOS

#### Other Security

Camera privacy shutter

## 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>

None

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**Notes:**

[1] For more compatible accessory solutions, please visit [Accessories for ThinkBook 16 G7 QOY](#).

## 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: 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

30% PCC recycled plastic used in the battery pack enclosure  
50% PCC recycled plastic used in key caps  
30% PCC recycled plastic used in speaker  
90% PCC recycled plastic used in standard 65W adapter  
90% recycled content in PIC cushion  
100% use of paper in screen sheet  
90% recycled content in OBP bag  
FSC certified content in carton and accessory box

## 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
- TCO Certified 9.0

## 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

#### Other Certifications

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

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