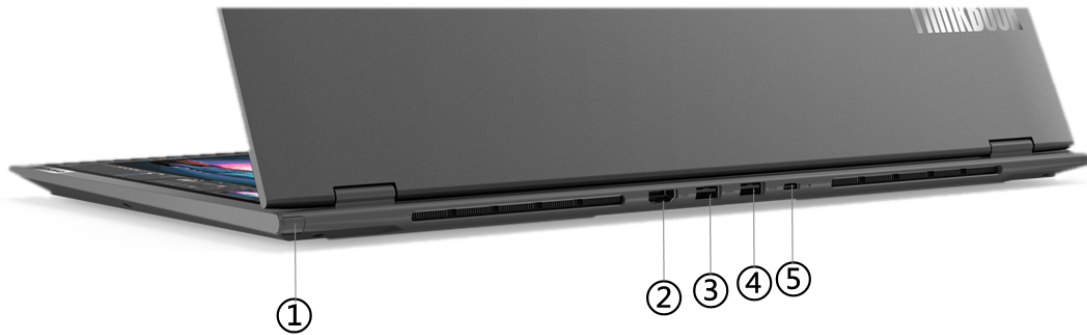


**OVERVIEW**



1. Pen slot	5. Thunderbolt 4
2. HDMI	6. Headphone / microphone combo jack (3.5mm)
3. USB 3.2 Gen 1	7. USB-C 3.2 Gen 2
4. USB 3.2 Gen 2 (Always On)	

## PERFORMANCE

### Processor

#### Processor Family

12th Generation Intel® Core™ i5 / i7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core™ i5-12500H	12 (4 P-core + 8 E-core)	16	P-core 2.5GHz / E-core 1.8GHz	P-core 4.5GHz / E-core 3.3GHz	18MB	Intel® Iris® Xe Graphics
Core™ i7-12700H	14 (6 P-core + 8 E-core)	20	P-core 2.5GHz / E-core 1.8GHz	P-core 4.7GHz / E-core 3.5GHz	24MB	Intel® Iris® Xe Graphics

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
Intel® Iris® Xe Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1

### Monitor Support

#### Monitor Support

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

- HDMI® supports up to 3840x2160@60Hz
- USB-C® supports up to 5120x3200@60Hz
- Thunderbolt™ supports up to 5120x3200@60Hz

### Chipset

#### Chipset

Intel® 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

LPDDR5-4800

### Storage

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

One drive, up to 1TB M.2 2280 SSD

#### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

#### Storage Type

Disk Type	Interface	Offering
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	512GB / 1TB

# ThinkBook Plus G3 IAP

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, Realtek® ALC3306-CG codec

### Speakers

Stereo speakers, 2W x2, Dolby® Atmos®, sound by harman/kardon, Smart AMP

### Microphone

Dual-microphone array with AI-based noise-cancelling, near-field

### Camera

FHD 1080p + IR hybrid, with privacy shutter, fixed focus

## Battery

### Battery

Integrated Li-Polymer 69Wh battery, supports Rapid Charge Pro (charge up to 50% in 30min)

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

MobileMark® 2018: 6.5 hr

Local video (1080p) playback@150nits: 8.4 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, 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>

100W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

## Display

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

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
8"	HD (800x1280)	Multi-touch	IPS	350nits	Glossy, anti-fingerprint	10:16	1000:1	60% NTSC	60Hz	85°/85°/85°/85°	Secondary screen, Glass
17.3"	3K (3072x1440)	Multi-touch	IPS	400nits	Anti-glare	21:10	1500:1	99% DCI-P3	120Hz	85°/85°/85°/85°	Main screen, Eyesafe® Certified, Dolby® Vision™

### Touchscreen

3K display: In-cell multi-touch, supports 10-point touch

HD display: OGM (One Glass Metal mesh) multi-touch, supports 10-point touch

Notes:

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

## Input Device

### Pen\*\*\*

- (Optional) Lenovo® E-Color Pen
- Lenovo® Integrated Pen, on-board rechargeable

### Keyboard

6-row, spill-resistant, multimedia Fn keys, SMB Service Hot key

### Keyboard Backlight

LED backlight

### Touchpad

Buttonless glass surface multi-touch touchpad, supports Precision TouchPad (PTP), 75 x 120 mm (2.95 x 4.72 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

410.9 x 230.2 x 17.95 mm (16.18 x 9.06 x 0.71 inches)

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

Less than 2.0 kg (4.41 lbs)

### Case Color

Storm grey, dual-tone design

### Surface Treatment

CNC unibody, anodized (top, keyboard cover), stamping anodized (bottom)

### 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][3]</sup>

Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1

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] Wi-Fi® 6 full features might be limited by country-level restrictions.

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

#### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 2 (Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)

- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

#### Notes:

[1] The transfer speed of following 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.

USB 2.0: 480 Mbit/s;

USB 3.2 Gen 1 (SuperSpeed USB 5Gbps, formerly USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;

USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formerly USB 3.1 Gen 2): 10 Gbit/s;

USB4® 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;

USB4® 40Gbps (USB 40Gbps): 40 Gbit/s;

Thunderbolt™ 3/4: 40 Gbit/s.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkBook Plus G3 IAP](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Firmware TPM 2.0 integrated in SoC

#### Fingerprint Reader

Touch style fingerprint reader integrated in smart power button

#### BIOS Security

- Power-on password
- Supervisor password
- Hard disk 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

## ENVIRONMENTAL

### 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)

#### 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)

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**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
- ErP Lot 3
- FSC certified package
- RoHS compliant
- TCO Certified
- Volatile Organic Compound Certification

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**Notes:**

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

[2] EPEAT™ registration and ENERGY STAR® certification are dependent on system OS. Please visit [epeat.net](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

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

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