

# ThinkBook 16p G6 IAX

Powered by up to an Intel® HX Series Core Ultra 9 processor and accelerated by up to 36 TOPS of AI performance, this powerhouse redefines productivity for mobile professionals. Engineers and 3D designers experience seamless modeling and simulation with up to NVIDIA® GeForce RTX™ 5070 graphics, while creatives benefit from ultra-responsive rendering using up to 64GB DDR5 memory. Data scientists handle massive datasets with efficiency, and architects switch smoothly between design tools and real-time collaboration apps. Wherever work takes them, professionals can depend on this laptop's exceptional performance.



**Redefining possibilities with  
powerful performance and  
groundbreaking on-device AI**

A 16" display with an optional 3.2K resolution and X-Rite® factory color calibration ensures visual accuracy for photographers, video editors, and CAD users alike. Multiple USB-A and USB-C® ports, along with DisplayPort™ and HDMI, offer flexible peripheral support, while Intel® Wi-Fi® 7 delivers fast, stable wireless connectivity in any workspace.

With up to 4TB of SSD storage, professionals can locally house extensive project files, datasets, and creative assets without compromise. Built-in Firmware TPM 2.0 and a fingerprint reader further secure sensitive information.

For mobile users, performance is paramount. With up to Intel® HX Series Core Ultra 9, AI acceleration, and RTX™ 5070 graphics, this device handles demanding tasks seamlessly, ensuring efficiency outweighs weight or size considerations.

## Lenovo Services

Lenovo delivers tailored sustainability services, devices, and infrastructure solutions from our broad portfolio, working closely with you to support your target outcomes across the IT lifecycle..



### Return To Depot Repair Warranty

- No-hassle repair process at a Lenovo service center
- Lenovo pays for all shipping between the customer and service facility
- Avoid unplanned operational expense with a simple annual fee

## Accessories

### Lenovo Go Wired Speakerphone

- Microsoft Teams certified, omni-directional far-field 2x microphones array
- Portable plug-and-play capabilities and effortless PC UC support
- Comes with intuitive control with volume wheel, tactile keys, and readable LEDs



PN: 4XD1C82055, CXD1C82051

### Lenovo Essential Wired Keyboard & Mouse

- USB wired keyboard & mouse combo. Low profile island style keys, LED indicators & adjustable feet
- Spill-resistant keyboard with waterproof membrane to protect from accidental spills
- Mouse with 1000 DPI optical sensor and scroll wheel for precise control



PN: 4X30I79883



# ThinkBook 16p G6 IAX

## Performance

**Processor**  
Intel HX Series Core Ultra 5 / 7 / 9 Processor (Series 2)

**AI PC Category**  
AI PC

**AI Performance**  
Up to 36 overall TOPS

**Operating System\***  
Windows 11 Pro  
Windows 11 Home  
Windows 11 Home Single Language

**NPU**  
Integrated Intel AI Boost, up to 13 TOPS  
M.2 2280 discrete NPU card, up to 32 TOPS\*

**Graphics**  
NVIDIA GeForce RTX 5060  
NVIDIA GeForce RTX 5070

**Chipset**  
Intel HM870 chipset

**Memory <sup>1</sup>**  
Up to 64GB DDR5-6400, 2x CSODIMM  
Up to 64GB DDR5-5600, 2x SODIMM

<sup>1</sup>Maximum memory 64GB is only to test technical readiness of notebook. Available memory to sell would vary.

**Storage <sup>2 3</sup>**  
Up to two M.2 PCIe NVMe SSD  
M.2 2280 SSD up to 2TB each

<sup>2</sup>The storage capacity supported is based on the test results with current Lenovo storage offerings.

<sup>3</sup>The system supports dual SSD via two M.2 slots, but Lenovo only offers configurations with a single SSD, reserving the other slot for an optional discrete NPU card, or for user self-expansion.

**Audio\***  
High Definition (HD) Audio  
2W x2 woofers and 2W x2 tweeters, Dolby Atmos, sound by harman/kardon, Smart Amplifier (AMP)  
Dual-microphone array with noise-cancelling

**Camera\***  
FHD 1080p + IR hybrid, with privacy shutter

**Battery <sup>4</sup>**  
85Wh (up to 5.35 hr) battery, Rapid Charge Pro

<sup>4</sup>Battery life claims are approximate maximum. Actual result will vary depending on many factors and the maximum battery capacity will decrease with time and use.

**Power Adapter\***  
300W slim tip adapter

## Design

**Display <sup>5</sup>**  
16" 2.5K (2560x1600) IPS Anti-glare 16:10  
- 500nits, 100% DCI-P3, 240Hz, Dolby Vision, DisplayHDR 400 Eyesafe, X-Rite factory color calibration  
16" 3.2K (3200x2000) IPS Anti-glare 16:10  
- 500nits, 100% DCI-P3, 165Hz, Dolby Vision, Eyesafe, X-Rite factory color calibration

<sup>5</sup>IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

**Keyboard**  
6-row, spill-resistant, numeric keypad, Copilot key, backlight

**Touchpad**  
Glass surface Haptic touchpad or touchpad  
80 x 135 mm (3.15 x 5.31 inches)

**Dimensions <sup>6</sup>**  
354.6 x 256.2 x 17.9 mm (13.96 x 10.09 x 0.70 inches)

<sup>6</sup>The system dimensions may vary depending on configurations.

**Weight <sup>7</sup>**  
Starting at 2.1 kg (4.63 lbs)

<sup>7</sup>The system weight is approximate and may vary depending on configurations

**Color**  
Luna grey, dual-tone design

**Case material**  
Aluminium (top)  
Aluminium (bottom)

**Special Features**  
AI Chip: LA3  
Modern Standby

## Connectivity

**WLAN + Bluetooth\***  
802.11be (Wi-Fi 7), Bluetooth 5.4

**Ports**  
2x USB-A (USB 5Gbps / USB 3.2 Gen 1)  
1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On  
2x USB-C (Thunderbolt 4 / USB4 40Gbps), with USB PD 3.0 & DP 2.1  
1x HDMI 2.1, up to 8K/60Hz  
1x SD card reader  
1x Headphone / microphone combo jack (3.5mm)  
1x Power connector  
1x Magic Bay (pogo pin connector)

**Docking**  
Docking support via Thunderbolt

## Security & Privacy

**Security**  
Firmware TPM 2.0  
Kensington Nano Security Slot  
Touch style MOC fingerprint reader on smart power button  
Camera privacy shutter  
IR camera for Windows Hello (facial recognition)

## Certifications

**Green Certifications <sup>8 9 10</sup>**  
EPEAT Gold Registered  
ENERGY STAR 9.0  
ErP Lot 6/26  
TCO Certified 10.0  
RoHS compliant

<sup>8</sup>The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

<sup>9</sup>EPEAT registration and ENERGY STAR certification are optional and only available on the models with preload OS.

<sup>10</sup>EPEAT is registered where applicable, please see [epeat.net](https://epeat.net) for registration status by country.

**Other Certifications**  
TÜV Rheinland Low Blue Light (Hardware Solution)  
Eyesafe Certified 2.0  
MIL-STD-810H

Items with \* are optional and only available on selected models. Information presented here may represent the maximum possible configurations for this product, but it does not necessarily reflect what is available in your region. Please ask your rep or check the specifications for specific Part Numbers in your region. © 2025 Lenovo. Products are available while supplies last. Lenovo is not responsible for photographic or typographic errors. Lenovo, the Lenovo logo, ThinkPad, ThinkCentre, ThinkBook, ThinkStation and ThinkVision are trademarks or registered trademarks of Lenovo. 3rd party product and service names may be trademarks of others. Depending on factors such as the processing capability of peripheral devices, file attributes, system configuration and operating environments, the actual data transfer rate of USB connectors will vary and is typically slower than published standards.