

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

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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

Memory¹

Up to 64GB DDR5-6400, 2x CSODIMM
Up to 64GB DDR5-5600, 2x SODIMM

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

Storage^{2 3}

Up to two M.2 PCIe NVMe SSD
M.2 2280 SSD up to 2TB each

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

³The 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

Battery⁴

85Wh (up to 5.35 hr) battery, Rapid Charge Pro

⁴Battery 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

Display⁵

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

⁵IPS (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)

Dimensions⁶

354.6 x 256.2 x 17.9 mm (13.96 x 10.09 x 0.70 inches)

⁶The system dimensions may vary depending on configurations.

Weight⁷

Starting at 2.1 kg (4.63 lbs)

⁷The 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 or USB-C

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^{8 9 10}

EPEAT Gold Registered
ENERGY STAR 9.0
ErP Lot 6/26
TCO Certified 10.0
RoHS compliant

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

⁹EPEAT registration and ENERGY STAR certification are optional and only available on the models with preloaded OS.

¹⁰EPEAT is registered where applicable, please see epeat.net for registration status by country.

Other Certifications

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