

ThinkBook 16 G4+ IAP

New-gen professionals can rely on this thin and light 16" notebook to stay productive from anywhere in the new normal. Choose from the latest 12th Generation Intel Core processors, Intel UHD Graphics or Intel Iris Xe Graphics, and discrete NVIDIA GeForce RTX graphics for a mobile device that best suits your everyday tasks. MIL-SPEC tested build and enhanced battery life make it ideal for remote use. Wi-Fi 6 connectivity lets you stay connected with optimum speed and work on-the-move.



Lenovo devices that are a class apart

ThinkBook combines the style and user experience of consumer devices with the security and business-class support of ThinkPad.

The 16" IPS display with up to 350 nits brightness ensures the images are detailed and everything on the screen is of the highest quality. Attend calls with superior sound quality without any background noise, thanks to the AI-based noise-canceling microphones with Dolby Audio stereo speakers.

Equipped with a range of ports, such as Thunderbolt 4 port for ultra-fast transfer of large files. Connect up to 3 external monitors and other peripherals through onboard HDMI and USB-C ports.

Minimal preloaded applications mean maximum battery life and responsiveness for users, and faster deployment for IT admins.

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..



Premier Support

Talk directly with advanced technical support agents
Support for software & hardware
Next business day onsite repairs

Accessories

ThinkBook Wireless Mouse

6-button wireless mouse with DPI adjustment:
2400, 1600, 100
2-level scroll wheel speed adjustment and
dedicated volume controls
Ergonomic right-handed design with thumb rest



PN: 4Y50V81591

ThinkPad USB-C Dock Gen 2

Connects via a single USB-C cable which also
charges the PC
1x USB-C, 2x USB2.0, 3x USB3.1 ports (including 1x
always-on for charging devices)
2x DisplayPort and 1x HDMI. Supports 1x 4K or 3x
Full HD displays



PN: 40AS0090xx

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Performance

Processor
12th Gen Intel U, P or H Series Core i3/i5/i7/i9

Operating System
Windows 11 Pro
Windows 11 Home
Windows 11 Home Single Language
Windows 11 DG Windows 10 Pro 64

Graphics
Intel UHD Graphics (integrated)
Intel Iris Xe Graphics eligible (integrated)
NVIDIA GeForce RTX 2050

Memory
8GB LPDDR5-4800, soldered
16GB LPDDR5-4800, soldered
32GB LPDDR5-4800, soldered

Storage ¹
One M.2 PCIe NVMe SSD offering
M.2 2242 SSD up to 1TB
M.2 2280 SSD up to 1TB
(System supports two M.2 slots)

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

Audio
High Definition (HD) Audio
Stereo speakers, 2W x2, Dolby Atmos
Dual-microphone array with noise-cancelling, near-field

Camera
HD 720p, with privacy shutter
FHD 1080p, with privacy shutter
FHD 1080p + IR hybrid, with privacy shutter

Battery ²
57Wh or 71Wh battery, Rapid Charge Pro

²Battery 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
65W USB-C adapter, PD 3.0
65W USB-C slim adapter, PD 3.0
100W USB-C slim adapter, PD 3.0

Design

Display ³
16" WUXGA (1920x1200) IPS Anti-glare 16:10
- 300nits, 45% NTSC, 60Hz, TÜV Low Blue Light

16" WQXGA (2560x1600) IPS Anti-glare 16:10
- 350nits, 100% sRGB, 60Hz, Eyesafe
- 350nits, 100% sRGB, 120Hz, Eyesafe, T-CON color calibration

³IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Keyboard
6-row, spill-resistant, numeric keypad, backlight

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

Dimensions ⁴
Models with WQXGA display:
356 x 251 x 16.5 mm (14.02 x 9.88 x 0.65 inches)
Models with WUXGA display:
356 x 251 x 16.9 mm (14.02 x 9.88 x 0.67 inches)

⁴The system dimensions may vary depending on configurations.

Weight ⁵
Starting at 1.8 kg (3.97 lbs)

⁵The system weight is approximate and may vary depending on configurations

Color
Arctic grey, dual-tone design

Case material
Aluminium (top)
Aluminium (bottom)

Connectivity

Ethernet
Gigabit onboard Ethernet

WLAN + Bluetooth ^{6 7}
802.11ax (Wi-Fi 6 or Wi-Fi 6E), Bluetooth 5.1

⁶Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.

⁷Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

Ports
1x USB 2.0 (hidden)
1x USB 3.2 Gen 1
1x USB 3.2 Gen 1 (Always On)
1x USB-C 3.2 Gen 2 (data, PD 3.0, DP 1.4)
1x Thunderbolt 4 / USB4 40Gbps (data, PD 3.0, DP 1.4)
1x HDMI 2.1, up to 4K/60Hz
1x Card reader
1x Ethernet (RJ-45)
1x Headphone / microphone combo jack (3.5mm)

Docking
Docking support via Thunderbolt or USB-C

Security & Privacy

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

Certifications

Green Certifications ^{8 9}
EPEAT Gold Registered*
ENERGY STAR 8.0*
ErP Lot 3
RoHS compliant

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

⁹EPEAT is registered where applicable, please see <https://www.epeat.net> for registration status by country.

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