

Lenovo  
**ThinkBook**

# Designed for **streamlined** workflows

Lenovo ThinkBook 16 IRL datasheet

Version 1.0 | August 2023



Intel® Evo™ platform  
powered by Intel® Core™ i7 processor

Smarter  
technology  
for all

**Lenovo**

# Evolutionary productivity

Introducing the all-new Lenovo ThinkBook 16 Gen 6 *i*, a state-of-the-art upgrade to daily productivity. Featuring the latest Intel® Core™ processors, with cutting-edge Intel® Evo™ and Intel vPro® Essentials platforms,<sup>1</sup> the Lenovo ThinkBook 16 Gen 6 *i* redefines mobility at work. Paired with ample storage, speedy memory, intelligent security, and manageability features, it helps take your work to new heights, easing the process, and speeding it up significantly.

## An exemplary performer

**Next-gen processing:** the Lenovo ThinkBook 16 Gen 6 *i* features a powerful **up to 13<sup>th</sup> Gen Intel® Core™ i7 processor** with **Intel vPro® Essentials** and the smart **Intel® Evo™** platforms.<sup>1</sup> This device is more than just a daily driver. **Intel® Unison™** seamlessly connects your PC and mobile devices (iOS and Android) for a universal, easy-to-use experience.\* It uses Wi-Fi 6E or Bluetooth technology to establish a secure and reliable link. Once connected, you can access and transfer files, receive notifications, and even control certain smartphone functions directly from your PC.

**Incredible streak:** the Lenovo ThinkBook 16 Gen 6 *i* is responsive to commands and inputs, all thanks to its up to **64GB\*\* DDR5** memory and **2TB + 2TB\*\* dual SSD** storage. **Intel® Iris® X® graphics<sup>2</sup>** on the device extends battery life and easily handles graphics-intensive tasks.

**Versatile connectivity:** the Lenovo ThinkBook 16 Gen 6 *i* features multiple ports for various purposes. A **Thunderbolt™ 4** port makes connecting extra displays or data transfers a breeze. One USB-C 3.2 Gen2 (Full function), one USB-A 3.2 Gen1, HDMI 2.1 TMDS, SD Card Reader, RJ45, and audio port greatly enhance its connectivity. The **up to Wi-Fi 6E** technology ensures stutter-free networking.

**Incredible visuals:** the Lenovo ThinkBook 16 Gen 6 *i* boasts an excellent **2.5K IPS** display with **90% STBR**, **16:10 aspect ratio**, up to **350nits** of brightness, and a 100% sRGB color gamut. TÜV Rheinland certified hardware-based Low Blue Light technology and a TÜV Rheinland Eyesafe® certification ensure minimal strain on users' eyes.



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## Built for modern professionals

**Portable and slim:** with a **17.5mm** profile thickness, and a weight starting at **1.7kg**, Lenovo ThinkBook 16 Gen 6 *i* features a metal A cover and is portable. The dual-tone **Arctic Grey** color lends the device a stylish look. **MIL-STD-810H** assessment ensures this device is rugged enough to handle the rigors of everyday work. The device also features an up to 71Whr battery that promises to last a day's work.

**Advanced security:** the **Fingerprint Reader on the power button** enables instant logins and prevents unauthorized access to your system. The **FHD + IR camera<sup>3</sup>** has a **Camera Privacy Shutter** to protect user privacy during online conferences.

**Improved key inputs:** the Lenovo ThinkBook 16 Gen 6 *i* features an upgraded keyboard with a NumPad, concave keys featuring more extended key travel, and an enlarged key size to prevent accidental presses. Promoting sustainability, the new, improved keyboard is also constructed with **50% post-consumer recycled content** and has a silk-smooth nano painting for a smoother feel. **Big Arrow keys** improve navigation and reduce typing errors. With a larger **120 x 75mm**, the trackpad has grown in size compared to the outgoing model. The **Smart Key** on the F9 function key allows quick access or add apps and services. Additionally, you can pick and include your preferred app to link this key with.

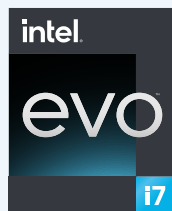
<sup>1</sup>Available only on select configurations

<sup>2</sup>Available only on models with Intel® Core™ i5 and i7 processor and dual channel memory

<sup>3</sup>Optional

\*Intel® Unison™ solution is currently only available on eligible Intel® Evo™ designs on Windows-based PCs powered by 12<sup>th</sup> Gen Intel® Core™ or newer CPU and only pairs with Android- or iOS-based phones; all devices must run a supported OS version. See [intel.com/performance-evo](https://intel.com/performance-evo) for details, including set-up requirements. Results may vary.

\*\*Tech ready only



Intel® Evo™ platform  
powered by Intel® Core™ i7 processor

## Recommended accessories



**Lenovo USB-C Universal Business Dock**  
PN: 40B30090xx

Designed for modern professionals, the Lenovo USB-C Universal Business Dock has everything that helps boost your productivity to the next level. With enhanced port expansion, optimum power delivery, and dual display support in a small space-saving, stylish exterior, the dock is the perfect companion for hybrid workspaces. With 11+ helpful expansion ports, optimizing your workspace and workflow has never been easier. It offers lightning-quick data transfers, dual 4K monitors, and rapid charging for notebooks up to 65W with the included adapter or up to 100W with the optional 135W adapter. It also supports one-click firmware updates even without Dock Manager.



**Lenovo Go Wireless ANC Headset**  
PN: 4XD1C99222, 4XD1C99221 (w/o stand)

The Lenovo Go Wireless ANC Headset with Teams Certification is designed to reduce ambient noise and maintain productivity while on the go. The USB-A Bluetooth receiver provides an outstanding connection. With Microsoft Teams Certification and cutting-edge noise cancellation technology, both office and remote workers will have the tools they need to tune out distractions and tune in to their work - all in one headset. This supports dual Bluetooth 5.0 and USB Audio connectivity for multitasking and advanced noise cancellation with ANC & ENC optimizes audio quality and talk-through. It features 1.5 hours of fast charging and up to 35 hours of playback time.



**ThinkBook Bluetooth Silent Mouse**  
PN: 4Y50X88824

Modern, low-profile, with an ambidextrous design and silent buttons, this mouse is a must-have premium accessory for your laptop. Sculpted to be comfortable while holding and equipped with a blue optical sensor with track-on-glass compatibility, this mouse works effortlessly even on a glossy surface. Dual-host Bluetooth connectivity (with Microsoft Swift Pair) and 2-way scroll with on-the-fly DPI adjustment to up to 2400 give you more precision and control.

# Evolutionary productivity

## Performance

### Processor

Up to 13<sup>th</sup> Gen Intel® Core™ i7 processor  
(Supports U15/P28/H45 platform)

Intel vPro® Essentials<sup>1</sup> with  
Intel® Core™ i5 processor

Intel® Evo™ platform<sup>1</sup> powered by  
Intel® Core™ i5/i7 H45 processor

### Operating System

Up to Windows 11

### Memory

Up to 64GB\* DDR5, 5200MHz  
2 x SODIMM

### Storage

Dual 2280 slot, 2242 compatible  
Up to 2TB + 2TB\* M.2 PCIe Gen4 x 4 SSD

### Graphics

Up to Intel® Iris® X<sup>e</sup> graphics<sup>2</sup>

### Camera

HD/FHD RGB/FHD + IR camera<sup>3</sup>  
with Camera Privacy Shutter

### Audio

Dolby Audio®  
Dual-array mics

### Battery

45Whr/71Whr

### AC adapter

65W/100W

## Security

FPR on power button  
Camera Privacy Shutter  
FHD + IR camera<sup>3</sup>

## Connectivity

### WLAN

Up to Wi-Fi 6E  
Bluetooth 5.2

### LAN

1000M

### Input/Output ports

1 x Thunderbolt™ 4  
1 x USB-C 3.2 Gen2 (Full-function)  
1 x USB-A 3.2 Gen1  
1 x HDMI 2.1 TMDS  
1 x SD Card Reader (4 in 1)  
1 x RJ45  
1 x Audio Jack

## Design

### Materials and finish

Anodized aluminum top cover

### Dimensions (W x D x H)

356.0 x 253.5 x 17.5mm  
14.1 x 9.98 x 0.69 inches

### Weight

Starts at 1.7kg/3.74lbs.

### Color

Arctic Grey

### Hinge

180° lay-flat mode

## Display

16", 2.5K WQXGA (2560 x 1600) IPS  
(16:10) display, 60Hz, 100% sRGB  
350nits, TÜV Rheinland Low Blue Light  
(H/w controlled) and Eyesafe® certifications

16", WUXGA (1920 x 1200) IPS  
(16:10) display, 60Hz, 45% NTSC,  
300nits, optional touch, TÜV Rheinland  
Low Blue Light certification

## Keyboard and touchpad

New ThinkBook Keyboard with NumPad  
Spill resistant, non-backlit/backlit  
120 x 75mm touchpad

## MIL-SPEC tested

MIL-STD-810H (26 procedures)

## User experience

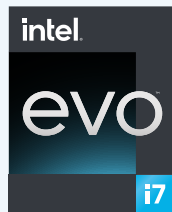
Zero Touch Login  
Modern Standby  
Smart Power On  
Smart Key

## Preloaded software

Lenovo Vantage  
McAfee® LiveSafe™ (trial)  
Microsoft Office (trial, except in Japan)

## Certification

EPEAT™ Gold  
ENERGY STAR®



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## Services and support:

### Complete care for your Lenovo ThinkBook 16 Gen 6 IRL

### Flexible warranty extensions

Lenovo ThinkBook 16 Gen 6 IRL  
is covered with a 1-year base warranty  
to extend the value of your investment.

### One-call access to professional help

Premier Support service is an enhanced  
warranty plan that provides 24x7 direct  
access to the right level of tech support  
on the first call, on priority.

### International Warranty Service (IWS)

IWS's addition allows international  
availability of standard warranty terms.  
Applicable in all countries where the  
particular model is sold and serviced.

### Covered for uncertainties

Accidental Damage Protection (ADP)  
provides coverage for non-warranted damage  
incurred under normal operating conditions,  
such as minor spills, drops, or damage  
to the integrated screen.

Keep Your Device (KYD) allows customers  
to keep their drives and dispose of business  
data on their terms, improving data security  
and ensuring compliance with data privacy  
and retention requirements.

### Sealed Battery Warranty (SBTY)

provides battery replacement for 2 years  
in the event of a battery failure.

### Device maintenance and repair

Get flexible and 30% faster response  
with Lenovo Commercial Services.

- Onsite Next Business Day Response (NBD)  
and Technician Installed Customer  
Replaceable Unit (CRU)
- Expedited Depot Service

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