

Lenovo  
**ThinkBook**

# Made for no holds barred work

Lenovo ThinkBook 16p IRH datasheet

Version 1.0 | April 2023



Powered by up to  
13<sup>th</sup> Gen Intel® Core™ i9 processor

Smarter  
technology  
for all

Lenovo

# Impressive performance for anywhere business

Creativity is a key part of modern businesses—marketing, design, business automation, and content creation all require a creative mindset. But creativity is nothing without the right kind of device. And creativity is no longer a niche but the mainstay for businesses of any size, anywhere. Simple laptops no longer cut it. Lenovo ThinkBook 16p Gen 4 answers this dilemma with its state-of-the-art latest-gen components, connectivity, and portable form factor, which helps individuals and businesses alike.

## Designed for peak performance

**The creative upgrade:** the ThinkBook 16p Gen 4 is a significant upgrade for creative professionals and businesses. Armed with the up to **13<sup>th</sup> Gen Intel® Core™ i9 processor** – a powerhouse in its own right – is ably supported by the new generation up to **NVIDIA® GeForce RTX™ 4060 graphics card**.

**The visual upgrade:** a powerful display is vital for creative professionals such as designers, video editors, game developers, and more. ThinkBook 16p Gen 4 features an up to **3.2K LCD** display with **100% DCI-P3**, 430nits brightness, and **165Hz refresh rate**. With an improved **93.4% STBR**, this updated display features an X-Rite color calibration s/w, **Dolby Vision®**, a DeltaE<1, and a color gamut switch. It has additional user comfort features like **Eyesafe®** and **TÜV Low Blue Light** certifications.

**The portability upgrade:** powerful, portable devices are necessary for remote work. It's not easy lugging around heavy devices. ThinkBook 16p Gen 4 has desktop-like features in an impressively lighter body, weighing **2.16kg** and **19.9mm** thick. This device is styled in a **Storm Grey** color for a professional, classy look.

**The usability upgrade:** ThinkBook 16p Gen 4 features an upgraded keyboard designed for increased user comfort. The new **backlit keyboard** is larger and more comfortable to type on, thanks to the **1.5mm key travel** for a satisfying experience. The **135 x 80mm ultra-large glass surface touchpad** makes navigation smooth and easy.



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**The connectivity upgrade:** connectivity is crucial for modern-day work, be it data transfer, display connectivity, peripherals, or internet access. ThinkBook 16p Gen 4 features a plethora of connectivity options for every need. Up to **Wi-Fi 6E<sup>1</sup>** wireless connectivity promises superfast internet access, and speedy downloads and uploads. Comprehensive I/O configuration on this device including Thunderbolt™ 4 port, USB-C 3.2 Gen2, Mic/Audio port, HDMI 2.1, SD Card reader, and two USB-A 3.2 Gen2 ports make it a versatile device where connectivity is concerned.

## Created for modern workforce

**Fast and spacious:** operational speed and the capacity to handle heavy loads are necessary for systems aimed at creative professionals. ThinkBook 16p Gen 4 features super-fast **up to 32GB DDR5 memory** with 2 DIMM slots. It also features **Dual PCIe Gen4 x 4 SSD Slots** for speed and efficiency.

**Improved user experience:** ThinkBook 16p Gen 4 covers all its bases, with a powerful **80Whr large capacity**, fast charging battery and a 230W adapter. It also features a four-speaker array powered by **harman/kardon®** with **Dolby Atmos®** and two mics with **Lenovo Smart Noise Cancellation** software for a live experience. It also features Smart Wireless technology, self-healing, and user-friendly features. **Lenovo ThinkShield security** helps protect against malware, security breaches, and more with its proprietary suite of protective features as well.

**Nature-friendly build:** nearly every aspect of the ThinkBook 16p Gen 4 is designed to be eco-friendly. Armed with a series of sustainability certifications such as **EPEAT™ Gold**, **TCO 9.0**, and **Energy Star® 8.0**, it also has a carbon offset certification. The bottom cover of the device is made from 50% recycled aluminum, and its packaging is also sustainably sourced, receiving an FSC certificate. Thanks to its use of responsibly sourced materials, it is also part of Lenovo CO<sub>2</sub> Offset Service.

<sup>1</sup>Optional



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## Lenovo ThinkBook 16p Gen 4

**Cool, in multiple ways:** never worry about an overheated device again. ThinkBook 16p Gen 4 features large air vents around the device, ensuring steady and even cooling airflow.



**Modular design:** your functionality continues after the ThinkBook 16p Gen 4. Its unique modular design makes it easy to add accessories through the Lenovo Magic Bay magnetic detachable accessories system.<sup>1</sup> Add everything from a high-res webcam, lamp, and LTE module easily.



**On top of the display game:** gear up for an amazing display experience. ThinkBook 16p Gen 4 features an upgradable super-resolution of up to 3.2K. Up to 430nits brightness and up to 165Hz refresh rate give a bright, flicker-free visual experience. Up to 100% DCI-P3 color gamut, Color Calibration, and Dolby Vision® deliver the most true-to-life viewing experience, and TÜV certifications ensure reduced eye strain.



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

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## Recommended accessories



### ThinkBook Urban Backpack

PN: 4X40V26080

A multi-functional backpack with an anti-theft pocket ensures security on the move. The padded laptop compartment offers cushioned comfort, while the high-quality fabric and stylish PU leather accent add to the contemporary design.



### 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.



### ThinkPad Universal USB-C Dock

PN: 40AY00901N

One connection, no limitations—a seamless docking experience guaranteed. The ThinkPad Universal USB-C Dock allows you to experience two vivid 4K screens or triple 1080p displays, save time with transfer speeds of 10Gbps, and securely connect your ThinkBook 16p Gen 4 to almost any external peripheral.

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## Performance

### Processor

Up to 13<sup>th</sup> Gen Intel® Core™ i9 processor

### Operating system

Windows 11 Home  
Windows 11 Pro

### Memory

Up to 32GB DDR5 5200MHz  
2 x DIMM

### Storage

Up to 1TB PCIe Gen4 x 4 2280 SSD  
2 x M.2 PCIe Gen4 x 4 Slots

### Graphics

Up to NVIDIA® GeForce RTX™ 4060

### Camera

FHD Hybrid IR Camera

### Audio

4 x harman/kardon®  
speaker + AMP  
2 Mics  
Dolby Atmos®

### Battery

80Whr Fast-Charging

### AC adapter

230W

### TDP

150W

### Security

Lenovo ThinkShield  
fTPM

## Connectivity

### WLAN

Wi-Fi 6  
Wi-Fi 6E<sup>1</sup>

### Ports

#### Left-side ports

1 x Thunderbolt™ 4  
1 x USB 3.2 Gen2 Type-C  
1 x Combo Mic/Audio

#### Right-side ports

1 x SD card reader  
1 x Kensington™ Nanosaver® lock slot  
2 x USB 3.2 Gen2 Type-A  
1 x HDMI 2.1  
DC-in

## Design

### Materials and finish

3-Side Metal Covers (A/C/D)  
Mylar B-side Cover

### Dimensions (W x D x H)

354.6 x 255 x 19.9mm  
13.96 x 10.03 x 0.78 inches

### Weight

2.16kg/4.76lbs.

### Color

Storm Grey

### Display

3.2K, 100% DCI-P3, 430nits, 165Hz  
2.5K, 100% sRGB, 400nits, 60Hz  
93.4% STBR  
DeltaE<1, Color Calibration  
Color gamut switch  
TÜV Eyesafe®  
Dolby Vision®

## Keyboard and touchpad

135 x 80mm Ultra-large Glass  
Surface Touchpad  
Smart Backlit Keyboard

## User experience

Lenovo PC Manager for SMBs  
Lenovo Hotkey  
Modern Standby  
Flip to start  
Windows Hello  
Q Control (Intelligent Thermal Solution)  
Smart Panel Backlight

## Preloaded software

McAfee® LiveSafe™  
Lenovo Vantage  
Microsoft Office  
X-Rite Color Assistant  
Dolby Vision®

## Certification

Energy Star® 8.0  
EPEAT™ Gold  
VOC  
TCO 9.0  
RoHS/Low Halogen  
Lenovo CO<sub>2</sub> Offset Service  
FSC package  
TÜV Low Blue Light  
TÜV Eyesafe®  
TÜV Eye Comfort  
X-Rite on Creator  
HDR System



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## Services and support: complete care for your Lenovo ThinkBook 16p Gen 4 IRH

### Flexible warranty extensions

Lenovo ThinkBook 16p Gen 4 IRH 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 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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