

AMD  
RYZEN



# Dedicated graphics to let your team create without limitations

**Lenovo ThinkBook 16p Gen 3 ARH Datasheet**

Supercharged creativity that  
lets you do the unthinkable

Version 1.0 | June 2022

**ThinkBook**

Built for Business. Designed for You.

Smarter  
technology  
for all

**Lenovo**



## SUPERCHARGED CREATIVITY THAT LETS YOU DO THE UNTHINKABLE



Lenovo

### DELIVER INCOMPARABLE PERFORMANCES

**Incredible potentiality:** power flows from its core, just as imagination pours from modern-day creatives. As they take inspiration from their environment, they deserve a device that supports them wherever they are. Lenovo ThinkBook 16p Gen 3 delivers top-tier performance with powerful up to AMD Ryzen™ 9 6000 H-Series mobile processors.

**A font for creativity:** armed with the latest NVIDIA® GeForce RTX™ 3060 graphics card, Lenovo ThinkBook 16p Gen 3 has many features to make digital creative work as lifelike as possible. With powerful AI-based tensor and RT Cores, it supports Ray Tracing and DLSS, and the Max-Q technology delivers impressive graphics sustainably. AI-based Dynamic Boost 2.0 constantly optimizes power for a consistently improved performance.

**Load-bearing connectivity:** Lenovo ThinkBook 16p Gen 3 is designed so creative professionals can upload and download heavy design files without a stutter. Congested, slow networks are no longer a roadblock with Wi-Fi 6. Software updates happen seamlessly, and talking to someone a world away is almost instantaneous.

**For creative team-ups:** Lenovo ThinkBook 16p Gen 3 has a host of smart features. Creatives can work together over distances, collaborating on their art, almost as if they were next to each other. A host of AI-based features like noise-cancelation, AI meeting manager, and Voice Assist add real-time support during collaborations. The Full-HD camera delivers crystal-clear conferencing. Dolby® Atmos™ Audio and the Smart Amplifier significantly improves audio performance.

### IMPRESSIVELY PROFESSIONAL

**A business-like look:** Lenovo ThinkBook 16p Gen 3 features a sleek design made with the modern professional in mind. Superbly thin diamond-cut edges, a slim waterline, and the dual-tone top cover make it look distinguished yet contemporary, so it doesn't look out of place even in a boardroom.

**Four-way cooling:** the sleek and compact design of the Lenovo ThinkBook 16p Gen 3 features four thermal vents, two behind, and two on the side to keep it cool, even under pressure.

**The freedom of mobility:** apart from its stylish design, the Lenovo ThinkBook 16p Gen 3 is easy to carry for remote work. Its 19.5mm profile and 1.99kg weight reduce the hassle of carrying a device around while still performing powerfully.

### MAKING EVERY PIXEL COUNT

**A display for professionals:** Lenovo ThinkBook 16p Gen 3 delivers the visual clarity creative professionals live for. The 16-inch screen offers 2.5K resolution at a 16:10 aspect ratio, 100% sRGB color gamut, and 500nits of brightness for working in the brightest environments without a problem. 188 pixels-per-inch (PPI) deliver tack-sharp visuals.

**The full-spectrum:** Lenovo ThinkBook 16p Gen 3 can reproduce an impressively wide array of colors. Its display panel with 10-bit color depth displays a billion colors and is factory-calibrated for Delta E < 1 for incredibly accurate color representation. The X-Rite™ Pantone® certification ensures that it delivers professional-grade colors.

**Dynamic displays:** beyond even the impressive color gamut it is capable of, the Lenovo ThinkBook 16p Gen 3 features the VESA-certified DisplayHDR™ 400 for better-defined shadows and crisper details, and true-to-eye colors and visuals.

**Amped up refresh rate:** lag-and stutter-free visuals are a great help to creators, especially those working on animations or videos. The Lenovo ThinkBook 16p Gen 3 delivers butter-smooth visuals with an astounding 165Hz refresh rate delivered in 2.5K resolution.

### USER-FRIENDLY ALL-AROUND

**Intuitive security:** device and data safety are major concerns, especially in the hybrid work environment. Smart Power On employs facial recognition to log you in. The Camera Privacy Shutter protects you from unwanted eyes in or out of meetings. The FHD+IR camera<sup>1</sup> uses presence detection to know when unauthorized persons are trying to access your device.

**Easy navigation:** navigate across apps, files, and more with ease. The 22% larger touchpad makes navigating the screen smoother, and the larger cursor keys prevent accidental key presses.

**Smarter by nature:** a host of smart features on the Lenovo ThinkBook 16p Gen 3 streamline workflows, make your device respond to you more intuitively, and help with security. AI meeting manager converts text to speech in 14 supported languages. AI-based noise-canceling prevents distractions during online meetings. The Smart Amplifier delivers better volume output so you can hear and be heard better.

<sup>1</sup>Optional

# SUPERCARGED CREATIVITY THAT LETS YOU DO THE UNTHINKABLE

## ACCESSORIES



### LENOVO BUSINESS CASUAL 15.6-INCH BACKPACK

PN: 4X40X54258

Lenovo Business Casual Line is a case collection focusing on lightweight, clean lines and modern details for young professionals' daily commute and occasional travel. This Lenovo Business Casual 15.6-inch Backpack is made of durable and water-resistant polyester with a fairly light weight. Fully padded PC compartment provides great protection to your devices.



### LENOVO GO WIRELESS ANC HEADSET WITH CHARGING STAND

PN: 4XD1C99222

The Lenovo Go Wireless ANC Headset with Teams Certification is designed to reduce ambient noise and maintain productivity while on the go. The USB Bluetooth receiver provides with outstanding Bluetooth 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.



### THINKBOOK BLUETOOTH SILENT MOUSE

PN: 4Y50X88824, 4Y50X88825

With dedicated volume control side buttons, on-the-fly DPI adjustment, and an ergonomic design, the ThinkBook Mouse is built for productivity. Also built-in are six separate control buttons, a 2-level scroll wheel, and room for a 1 x AA battery which can power your mouse for one year. Effortlessly pair with up to two devices at once and quickly switch between them with the push of a button, thanks to Bluetooth 5.0 and Microsoft Swift Pair technology.

# SUPERCHARGED CREATIVITY THAT LETS YOU DO THE UNTHINKABLE

## PERFORMANCE

### Processor

Up to AMD Ryzen™ 9 6000 H-Series processor

### Operating System

Up to Windows 11 Pro

### Memory

Up to 32GB Dual-Channel LPDDR5

### Graphics

NVIDIA® GeForce RTX™ 3060

### Storage

Supports dual SSD storage  
SSD1: up to 1TB M.2 PCIe  
SSD2: up to 1TB M.2 PCIe<sup>1</sup>

### Camera

FHD RGB Camera  
FHD + IR Camera<sup>1</sup>  
Ambient Light Sensor (ALS)

### Audio

2 x 2W harman® speakers  
Dolby® Atmos™, Smart Amplifier

### Battery

71Wh<sup>2</sup>

### AC Adapter

230W Slim<sup>2</sup>

### Security

fTPM  
FPR on Power Button  
IR Camera  
Camera Privacy Shutter  
Microsoft Secure BIOS (Level 2)  
Windows Hello  
Glance by Mirametrix  
Kensington™ NanoSaver™ Lock Slot

## DESIGN

### Materials and Finish

Three-sided metal construction  
Diamond-cut Power Button  
and Touchpad

### Color

Mineral Grey

### Display

16" 2.5K IPS, 500nits,  
100% sRGB, 165Hz, HDR400  
TÜV Rheinland Low Blue Light  
TÜV Eyesafe® Certified  
X-Rite™ Pantone® Color  
Calibration certified  
Dolby® Vision™

16" 2.5K IPS, 400nits,  
100% sRGB, 60Hz  
TÜV Rheinland Low Blue Light  
TÜV Eyesafe® Certified  
X-Rite™ Pantone® Color  
Calibration certified  
Dolby® Vision™

### Keyboard and Touchpad

Full-size backlit keyboard with  
numpad with full-size cursor keys  
Dedicated VoIP HotKeys<sup>3</sup> and  
Lenovo Service HotKey  
Enlarged one-piece touch pad  
with glass cover

### Weight

1.99kg / 4.38lbs.

### Dimensions

354.6 x 252.0 x 19.5mm  
14.01 x 9.92 x 0.73 inches

### MIL-SPEC Tested

To be assessed for MIL-STD 810H

## CONNECTIVITY

### WLAN

Up to Wi-Fi 6  
Bluetooth® 5.0

### Input/Output Ports

1 x USB Type-C  
1 x USB4®  
2 x USB-A 3.2 Gen2  
1 x Combo Audio Jack  
HDMI 2.1  
1 x SD Card Reader  
1 x Power Connector

## USER EXPERIENCE

Larger cursor keys  
Modern Standby  
Flip-to-Boot  
Intelligent Thermal System 5.0 (ITS 5.0)  
One-hand Open  
Smart Power On  
Ambient Light Sensor (ALS)

## PRELOADED SOFTWARE

Smart Appearance  
Lenovo Vantage  
AI Noise Cancellation  
AI Meeting Manager

## CERTIFICATION

EPEAT™ Gold  
Energy Star®  
X-Rite™ Pantone®



<sup>1</sup>Optional

<sup>2</sup>RapidCharge Pro—charge up to 50% in 30mins

<sup>3</sup>Requires Skype for Business or Microsoft Teams account, not pre-installed by Lenovo

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## SERVICES AND SUPPORT: ALL-ROUND CARE FOR YOUR LENOVO THINKBOOK 16p GEN 3 ARH

### PREMIER SUPPORT

Bypass phone menus and scripted troubleshooting to access advanced-level technicians with the expertise needed to quickly diagnose and solve problems. Get a consistent point of contact within Lenovo to ensure that your case resolution is professionally managed from start to finish.<sup>1,2</sup>

### WARRANTY UPGRADES

Onsite Service maximizes PC uptime and productivity by providing convenient, fast repair service at your place. In addition, with Tech Install CRU service the installation of all internal Customer Replaceable Unit (CRU) parts will be done on your behalf by a trained technician.<sup>1</sup>

### WARRANTY EXTENSIONS

This fixed-term, fixed-cost service helps you accurately budget for PC expenses, protect your investment, and lower the cost of ownership over time.<sup>1</sup>

### ACCIDENTAL DAMAGE PROTECTION

Protect your investment from operational or structural damage caused by common accidents like drops, spills, or electrical surges. This protection plan helps with predictable budgeting, minimizes unexpected repair costs and provides significant savings relative to the cost of non-covered repairs.<sup>1,2</sup>

### KEEP YOUR DRIVE

Retain your drive if it should happen to fail, giving you the peace of mind of knowing that your valuable data is secure.<sup>1,2</sup>

<sup>1</sup> Up to 5 years total duration

<sup>2</sup> May not be available in all regions

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