

ThinkBook

Lenovo



# A HIGH-PERFORMING CREATIVITY TOOL

ENHANCE PRODUCTIVITY IN STYLE.

Lenovo ThinkBook 16p Gen 2 ACH Datasheet  
(Pre-release version for CES 2021)

AMD  
RYZEN

[www.lenovo.com](http://www.lenovo.com)



## TUNED TO PERFORM

**Maximum Computing:** run heavy applications and multitask effectively through the raw power of the latest generation AMD Ryzen™ mobile processors that possess the most advanced technology,<sup>1</sup> giving you a smooth computing experience, always.

**Graphics Powerhouse:** the latest generation NVIDIA® GeForce® RTX discrete mobile graphics allows you to edit high-resolution videos, and accelerate rendering, AI, and image processing, enhancing your workflow.

**Performance Optimized:** the Lenovo ThinkBook 16p Gen 2 has three different modes that enable you to optimize its performance based on your workload. It takes into account the memory needed for the task, the resting surface, and then helps you save battery life by keeping the system cool.

**Instant Access to the Internet:** Wi-Fi 6 ensures that meetings are seamless and that downloads and uploads take place quicker, even when multiple devices are connected to the same network.

**Progress Tracked:** a larger glass cover touch pad (120 x 75 mm) gives you 22% more screen space than 15p to play around with, helping you scroll through and maneuver design software better. The keyboard includes a discrete number pad and full-sized cursor keys that improve the typing and navigating experience.



## UNMATCHED USER EXPERIENCE

**Accurate Colors, Every Time:** factory-calibrated with pre-installed X-Rite Color Assistant: RGB CMYK color calibration technology with delta E<2<sup>3</sup> (lower the delta, closer it is to real-life color) offers color accuracy out of the box. Critical for creative professionals, this ensures accurate color reproduction and brings color consistency across panels for distortion-free and true-to-life visuals. The 16p Gen 2 comes equipped with hardware-based low blue light technology that ensures accurate color performance while minimizing harmful blue light. TÜV Rheinland Eyesafe Display Certification also minimizes harmful blue light, but through software.

**More Screen to Create On:** imagine and put down your ideas freely on the Lenovo ThinkBook 16p Gen 2. The aspect ratio of 16:10 gives you 11.45% more screen real estate to work with, while the 188PPI, 2.5K LCD display ensures the images are detailed and everything on the screen is of the highest quality.

**Smart Features:** AI-based noise-canceling technology cuts ambient noise for efficient meetings, especially when working from home. Pick between Private, Shared, or Environmental modes for the ideal conferencing setup. Start from where you left off, instantly, by simply opening the lid of your PC to wake the device.

## APT FOR TODAY'S WORKFORCE

**Stunning and Portable:** creative professionals need to connect and share ideas. The multiple ports, such as USB Type-C, USB Type-A, and card reader, help you express your ideas better without worrying about connectivity.

**Versatile Connectivity:** narrower bezels than its predecessor with >90% screen-to-body ratio gives more screen and less distraction.

**A Remote Worker's Delight:** with one key to answer and one to decline calls, VoIP Hot Keys<sup>2</sup> enable quick meetings. The Service Hot Key lets you connect to Lenovo support services with the click of a button. HARMAN speakers and dual-array mics provide impeccable audio clarity during remote meetings.

**Security and Privacy Assured:** Smart Power On uses a built-in Touch Fingerprint Reader on the power button to power on and log in securely with your fingerprint. You can also use the IR camera and Windows Hello for Business to sign in to your PC using just your face. ThinkShutter, a physical camera cover, guarantees privacy both during and after meetings.

<sup>1</sup>As of February 2020. "Most advanced technology" defined as superior 7nm process technology in a smaller node, 15W typical TDP, RNP-18.  
<sup>2</sup>Requires Skype for Business or Microsoft Teams account, not pre-installed by Lenovo  
<sup>3</sup>Factory calibrated for superior accuracy.

## Recommended Accessories

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**THINKPAD USB-C DOCK GEN2**  
PN: 40AS0090xx

Enjoy a seamless docking experience with the ThinkPad USB-C Dock. Connect conveniently and securely to external peripherals to expand your devices display and storage capabilities. Transfer speeds of up to 10Gbps help you save time.



**THINKBOOK URBAN BACKPACK**  
PN: 4X40V26080

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



**THINKBOOK WIRELESS MEDIA MOUSE**  
PN: 4Y50V81591

Ergonomic and modern, the mouse is built for performers and multitaskers. A 6-button functionality and dedicated volume +/- buttons let you finish your tasks fast and with ease. Quick DPI adjustment with up to 2400 resolution and 2-level scroll wheel with speed adjustment enable hyper-scrolling and precision. This gives you more control when creating something new.

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# Specifications

## PERFORMANCE

### Processor

AMD Cezanne H Series

### Operating System

Windows 10 Pro (64 bit) and Windows 10

### Memory

Up to 32GB DDR4

### Graphics

NVIDIA® GeForce® RTX3060 MaxQ

### Storage

Up to 1TB PCIe SSD

### Camera

HD IR camera with ThinkShutter  
FHD RGB camera with ThinkShutter

### Audio

2 x 2W; Branded speaker

### Mics

Dual array mics

### Battery

70Whr battery

### AC

Slim,  
(supports Rapid Charge Pro)

Adapter  
230W

## Security

fTPM (dTPM reserved)  
ThinkShutter Camera Cover  
Smart Power Button  
with Fingerprint Reader  
Windows Hello (IR camera)  
SecureBIO (MS Level 2 security)

## DESIGN

### Materials and Finish

Anodized Aluminum dual-tone  
color on top cover.  
Three side metal exterior.  
Mylar on B cover

### Hinge

180° durable hinge

### Color

Mineral Gray

### Display

16"2.5K IPS  
400nits brightness  
100% sRGB color gamut  
TÜV Rheinland Eyesafe Display  
with X-Rite Pantone color calibration

### Keyboard and Touchpad

Full-size backlit keyboard with  
numpad with full-size cursor keys  
Dedicated VoIP Hot Keys<sup>1</sup>  
and Lenovo Service  
Enlarged one-piece touch pad  
with glass top cover

## Weight

< 2kg/4.41lbs.

## Dimensions

354.6 x 252 x 19.9mm  
13.96 x 9.92 x 0.78 inches

## CONNECTIVITY

### WLAN

Wi-Fi 6 2x2AX with Bluetooth® 5

### Compatible Docking

USB-C Dock  
Hybrid USB-C Dock

### Input/Output Ports

2 x USB Type-C 3.2 Gen 2  
2 x USB 3.2 Gen 1  
1 x combo mic/audio  
1 x SD card reader (full size)  
1 x DC-in

## USER EXPERIENCE

Smart Power On  
Service Hot Key  
VoIP Hot Keys<sup>1</sup>  
ThinkShutter

## PRELOADED SOFTWARE

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

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## SERVICES AND SUPPORT:

### ALL-ROUND CARE FOR YOUR LENOVO THINKBOOK 16p G2

### 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

# AMD RYZEN

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