

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



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-cancellation, 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 camera¹ 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.

¹Optional

SUPERCARGED CREATIVITY THAT LETS YOU DO THE UNTHINKABLE

ACCESSORIES

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THINKBOOK 15.6" LAPTOP 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. The padded PC compartment fits up to a 15.6" laptop, and the vertical side-access compartment and adjustable straps offer greater convenience.



LENOVO POWERED USB-C TRAVEL HUB

PN: 4X90S92381

Connect and charge new and legacy devices with one-stop-shop travel docking, wherever you are. Sleek and compact, the Lenovo Powered USB-C Travel Hub easily connects to an external 4K or 1080P display with HDMI or VGA, wired RJ45 network, two USB-A devices, and USB-C power pass-through – all via a single USB-C cable that disappears inside the minimalistic design. The travel hub provides power to any fully functional USB-C Notebook with an additional 45W/65W USB-C power adapter. The Hub works with any fully functional USB-C device, delivering enterprise-class features such as MAC address pass through, Wake-on-LAN and PXE boot.



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 PCIe¹

Camera

FHD RGB Camera
FHD + IR Camera¹
Ambient Light Sensor (ALS)

Audio

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

Battery

71Wh²

AC Adapter

230W Slim²

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

AMD
RYZEN

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 HotKeys³ 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®



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

FLEXIBLE WARRANTY EXTENSIONS AND UPGRADES

Lenovo ThinkBook 16p Gen 3 ARH is covered
with a 1-year base warranty and can be
upgraded for a period of up to 5 years
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) covers
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

¹Optional

²RapidCharge Pro—charge up to 50% in 30mins

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

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