ComX Computers
Product Specification Sheet

83JG001BSA

Lenovo LOQ 15AHP10 Gaming Gaming Notebook Ryzen 5 220 4.9GHz 16GB 1TB 15.6" FULL HD RTX 5050 8GB BT Win 11 Home

Product Overview

Lenovo LOQ 15AHP10 Gaming Series 83JG001BSA Grey Gaming Notebook, AMD Ryzen 5 220 Six (6) Core Turbo Boost up to 4.9Ghz 16MB L3 Cache Processor, 16GB DDR5-5600 SO-Dimm Memory (1x16GB), Supports 64GB Max Mem, 2 Memory slots, 1TB SSD Solid State Hard Drive PCIe, M.2 2280 slot + M.2 2280 Slot, NO optical drive (No CD), 15.6" FULL HD (1920 x 1080 resolution) Non Gloss Type IPS, 300nits, 144Hz LED Backlit Display, nVidia Geforce RTX 5050 with 8GB dedicated graphics, AMD Ryzen AI 16 TOPS, 802.11ax Wi-Fi 6, 10/100/1000 Gigabit Ethernet LAN, Bluetooth, Webcam, Backlit Keyboard, Full Size Keyboard with Numpad, 3x USB-A (USB 5Gbps / USB 3.2 Gen 1), 1x USB-C (USB 10Gbps / USB 3.2 Gen 2) with USB PD 65-100W / DisplayPort 1.4, HDMI output, 2.4 kg, Microsoft Windows 11 Home 64 bit, 1 Year Carry in warranty











1. USB-C® (USB 10Gbps), with USB PD 65-100W & DP 1.4	5. HDMI®
2. Headphone / microphone combo jack (3.5mm)	6. Ethernet (RJ-45)
3. USB-A (USB 5Gbps)	7. USB-A (USB 5Gbps)
4. USB-A (USB 5Gbps)	8. Power connector

Specifications

Summary Overview:

Experience high-speed gaming and productivity with the Lenovo LOQ 15AHP10 Gaming Laptop. Featuring a powerful AMD Ryzen 5 2200 processor, NVIDIA GeForce RTX 5060 8GB graphics, 16GB DDR5 RAM, and a 1TB SSD, this 15.6" FHD notebook delivers smooth performance for gaming, streaming, and everyday tasks. The white backlit keyboard, Wi-Fi 6 connectivity, and robust build make it perfect for gamers and creators looking to step up their setup. Buy now and elevate your gaming experience.

Reviews from users of this laptop series highlight strong performance for first-time and casual gamers, praising the fast refresh rate display and AI-enhanced GPU capabilities. Buyers note its suitability for students, young professionals, and gaming enthusiasts who want a responsive system for both work and play.

Laptop performance tier: High-end gaming

Uses: Gaming, content creation, streaming, productivity, multimedia editing, AI-enhanced applications

Overview:

Lenovo LOQ 15AHP10 Gaming Notebook - Power Meets Precision

Experience next-level gaming with the Lenovo LOQ 15AHP10, a high-performance gaming notebook designed for first-time and casual gamers seeking stunning visuals and smooth gameplay. Encased in a sleek Luna Grey chassis, this 15.6-inch notebook combines cutting-edge AMD Ryzen processing, NVIDIA GeForce RTX graphics, and responsive high-refresh displays to elevate both gaming and everyday computing. With its AI-enhanced engine and customizable cooling, the LOQ 15AHP10 ensures every session stays fast, fluid, and immersive.

Equipped with a 15.6-inch full HD IPS display featuring a 144Hz refresh rate and 300-nit brightness, this notebook delivers crisp, vibrant visuals with smooth motion. The NVIDIA GeForce RTX 5060 graphics card with 8GB GDDR7 memory and AMD Ryzen AI 16 TOPS enables real-time ray tracing and AI-enhanced graphics for gaming, streaming, and creative tasks. Paired with a 1TB PCIe NVMe SSD and 16GB DDR5 memory, the LOQ 15AHP10 handles large games and multitasking with ease.

Features:

High-Speed Performance for Gaming and Productivity

At its core, the LOQ 15AHP10 is powered by an AMD Ryzen 5 220 six-core processor with turbo boost up to 4.9GHz and 16MB L3 cache. This ensures smooth performance for gaming, content creation, and everyday tasks. The system supports up to 32GB DDR5-5600 memory via two SO-DIMM slots, while dual M.2 SSD slots allow for fast storage expansion. Lenovo AI Engine+ optimizes CPU, GPU, and system settings automatically, adjusting to gaming, streaming, or work scenarios for consistently high performance.

Immersive Gaming Display and Responsive Keyboard

The notebook's 15.6-inch display offers full HD resolution with G-SYNC support for tear-free visuals. With 100% sRGB coverage and 144Hz refresh, every game, movie, or stream comes alive with vivid color and smooth motion. Its full-size keyboard features white backlighting and soft-landing switches for accurate and satisfying keystrokes, while the touchpad supports multi-touch gestures for easy navigation.

Cutting-Edge Graphics and AI Capabilities

The NVIDIA GeForce RTX 50 Series GPU powers advanced gaming experiences, AI-enhanced graphics, and creative applications. With DLSS 4 support, you can enjoy higher frame rates without sacrificing image quality. AMD Ryzen AI complements the GPU, offering up to 16 TOPS of processing power for real-time AI tasks and smarter gaming performance.

Efficient Cooling and Flexible Performance Modes

Lenovo's Hyperchamber Cooling Technology keeps the notebook quiet and cool with 3D copper heat pipes, turbo fans, and vacuum-sealed airflow. Switch between Quiet, Balance, Performance, or Extreme modes with a simple key combination to adapt cooling and performance to gaming, streaming, or work sessions.

Storage, Connectivity, and Expansion Options

The LOQ 15AHP10 comes with a 1TB M.2 PCIe NVMe SSD, with an additional M.2 slot for expanding storage. Connectivity options include Wi-Fi 6, Bluetooth 5.3, gigabit Ethernet, three USB-A ports, one USB-C with DisplayPort 1.4 and power delivery, HDMI 2.1, and a headphone/microphone combo jack. This ensures fast data transfer, smooth streaming, and versatile peripheral connections.

Sleek Design with Everyday Durability

Designed in Luna Grey with a slim, lightweight chassis, the LOQ 15AHP10 balances portability with robust build quality. Its 88% screen-to-body ratio delivers an immersive viewing experience, while stereo speakers optimized with Nahimic Audio provide rich sound for gaming, movies, and music.

Key Technical Highlights

- AMD Ryzen 5 220 six-core processor with turbo boost up to 4.9GHz
- NVIDIA GeForce RTX 5060 8GB GDDR7 graphics with AI acceleration
- 15.6-inch FHD IPS display, 144Hz, 300nits, 100% sRGB
- 16GB DDR5 memory, expandable up to 32GB
- 1TB PCIe NVMe SSD with dual M.2 slots
- Hyperchamber Cooling Technology for quiet, efficient heat management
- Full-size backlit keyboard with soft-landing switches
- Windows 11 Home with AI-enhanced Lenovo Engine+
- Extensive connectivity: USB-A, USB-C with PD and DisplayPort, HDMI 2.1, Ethernet, Wi-Fi 6, Bluetooth 5.3

The Lenovo LOQ 15AHP10 is a versatile gaming notebook that combines high-speed performance, immersive visuals, and smart AI optimization. Ideal for gamers, streamers, and content creators, it brings desktop-level power in a portable package that's ready to handle both intense gaming sessions and everyday computing tasks.

Specifications:

LOQ 15AHP10 Lenovo LOQ 15AHP10	
Model	83JG001BSA
PERFORMANCE	
Processor	AMD Ryzen 5 220 Six (6) Core Turbo Boost up to 4.9Ghz 16MB L3 Cache Processo
AI PC Category	AI-Powered Gaming PC
	AI-Powered Gaming PCs feature Lenovo AI Engine+ and NVIDIA GeForce RTX GPUs to handle AI-driven tasks and deliver exceptional gaming performance.
NPU	Integrated AMD Ryzen AI, up to 16 TOPS
Graphics	NVIDIA GeForce RTX 5060 8GB GDDR7, Boost Clock 2497MHz, TGP 100W, 572 AI TOPS

Chipset	AMD SoC Platform
Memory	1x 16GB SO-DIMM DDR5-5600
Memory Slots	Two DDR5 SO-DIMM slots, dual-channel capable
Max Memory	Up to 32GB DDR5-5600 offering
Storage	1TB SSD M.2 2242 PCIe 4.0x4 NVMe
Storage Slot	Two M.2 2280 PCIe 4.0 x4 slots
	The 1st SSD slot supports PCIE 4.0 x4 Lanes, while the 2nd SSD slot supports PCIE 4.0 x2 Lanes.
Max Storage Support	Up to two drives, 2x M.2 SSD M.2 2242 SSD up to 1TB each
Optical	None
Card Reader	None
Audio Chip	High Definition (HD) Audio, Realtek ALC3287 codec
Speakers	Stereo speakers, 2W x2, optimized with Nahimic Audio
Microphone	2x, Array
Camera	5.0MP with E-shutter
Battery	60Wh
Power Adapter	170W Slim Tip (3-pin)
Special Features	AI Chip: LA1
DESIGN	
Display	15.6" FHD (1920x1080) IPS 300nits Anti-glare, 100% sRGB, 144Hz, G-SYNC
	IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.
Touchscreen	None
Screen-to-Body Ratio	88% AAR (active area ratio)
Color Calibration	None
Pen	Pen Not Supported
Keyboard	White Backlit, English
Touchpad	Buttonless Mylar surface multi-touch touchpad, supports Precision TouchPad (PTP), 75 x 120 mm (2.95 x 4.72 inches)
Dimensions (WxDxH)	359.86 x 258.7 x 21.9-23.9 mm (14.17 x 10.19 x 0.86-0.94 inches)
Weight	Starting at 2.4 kg (5.29 lbs)
Case Color	Luna Grey
Case Material	PC-ABS (Top), PC-ABS (Bottom)
Surface Treatment	Painting
SOFTWARE	
Operating System	Windows 11 Home Single Language, English
Bundled Software	Office Trial
CONNECTIVITY	

WLAN + Bluetooth	Wi-Fi 6, 802.11ax 2x2 + BT5.3
	Wi-Fi 6 operation is subject to the regulation rules in each country.
WWAN	Non-WWAN
Ethernet	100/1000M (RJ-45)
Standard Ports	3x USB-A (USB 5Gbps / USB 3.2 Gen 1)
	1x USB-C (USB 10Gbps / USB 3.2 Gen 2), with USB PD 65-100W and DisplayPort 1.4
	Supports Lenovo protocol for 140W charging but requires a unique Lenovo adapter for operation.
	1x HDMI 2.1, up to 8K/60Hz
	1x Headphone / microphone combo jack (3.5mm)
	1x Ethernet (RJ-45)
	1x Power connector
SECURITY & PRIVACY	
Security Chip	Firmware TPM 2.0 Enabled
Fingerprint Reader	None
Other Security	E-shutter
ACCESSORIES	
Bundled Accessories	None
CERTIFICATIONS	
Green Certifications	ErP Lot 6/26
	RoHS compliant
Other Certifications	TÜV Rheinland Low Blue Light (Software Solution)

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx.co.za/Buy-Notebooks-Laptops-83JG001BSA-Lenovo-LOQ-15AHP10-lp-334626.php

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