

Lenovo Legion 5 15ARH05H 82B1009KGE

Product

Lenovo Legion 5 15ARH05H

Region

WE

Country/Region

Germany

Machine Type

82B1

Processor

AMD Ryzen 7 4800H (8C / 16T, 2.9 / 4.2GHz, 4MB L2 / 8MB L3)

Graphics

NVIDIA GeForce RTX 2060 6GB GDDR6

Chipset

AMD SoC Platform

Memory

2x 8GB SO-DIMM DDR4-3200

Storage

2x 512GB SSD M.2 2280 PCIe NVMe

Display

15.6" FHD (1920x1080) IPS 300nits Anti-glare, 144Hz, 100% sRGB, Dolby Vision

Touchscreen

None

Optical

None

Media Reader

None

Ethernet

100/1000M

WLAN + Bluetooth

11ax, 2x2 + BT5.0

Bundled Accessories

None

Case Material

PC / ABS

Camera

720p

Microphone

2x, Array

Surface Treatment

Painting

Color

Phantom Black

Keyboard

4-Zone RGB LED backlight, German

Fingerprint Reader

None

TPM

FW TPM 2.0

Battery

Integrated 80Wh

Power Adapter

230W Slim Tip

Operating System

Windows 10 Home 64, German

Bundled Software

Office Trial

Base Warranty

2-year, Depot

Bundled Service

None

EAN / UPC / JAN

195348450225

End of Support

2026-09-13

Announce Date

2020-08-17



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AMD

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Lenovo Legion 5 15ARH05H Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD Ryzen™ Mobile Processors with Radeon™ Graphics							Media reader Ports	None Four USB 3.2 Gen 1 (one Always On), one USB 3.2 Type-C Gen 1 (with the function of DisplayPort 1.2), HDMI 2.0, Ethernet (RJ-45), headphone / microphone combo jack, security keyhole, AC power adapter jack <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i> Optional: Lenovo Legion M300 RGB Gaming Mouse (USB connector)		
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types			DDR4-3200	AMD Radeon Graphics
	Ryzen 5 4600H	6	12	3.0 GHz	4.0 GHz	3MB L2 / 8MB L3					
	Ryzen 7 4800H	8	16	2.9 GHz	4.2 GHz	4MB L2 / 8MB L3					
Graphics	Integrated Graphics		Discrete Graphics (Memory)					Camera	720p HD, 1.0MP resolution, privacy shutter, fixed focus, with dual array microphone HD Audio, Realtek ALC3287 codec / Dolby Atmos® for Gaming Certification, Harman Kardon® speakers, 2W x 2, dual array microphone, headphone / microphone combo jack		
	AMD Radeon Graphics		NVIDIA® GeForce® GTX 1660 Ti (6GB GDDR6 memory), VR ready							Audio support	
			NVIDIA GeForce RTX 2060 (6GB GDDR6 memory), VR ready								
	supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2160@60Hz (HDMI); 3840x2160@60Hz (USB Type-C)							Keyboard	6-row, multimedia Fn keys, white backlight or 4-Zone RGB LED backlight, numeric keypad, anti-ghost		
Chipset	AMD SoC (System on Chip) platform							Touchpad	Buttonless Mylar surface multi-touch touchpad		
Memory	16GB max offering / 3200MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets							Security chip	Power-on password, hard-disk password, administrator password, security keyhole		
Display	<i>One of the following, configurable by model:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, WVA, 250 nits, 16:9 aspect ratio, 45% NTSC gamut, refresh rate 120Hz 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, WVA, 300 nits, 16:9 aspect ratio, 100% sRGB gamut, refresh rate 144Hz, Dolby® Vision 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, WVA, 300 nits, 16:9 aspect ratio, 100% sRGB gamut, refresh rate 60Hz							Fingerprint reader	None		
Multi-touch	None							Battery	Integrated Li-Polymer 60Wh or 80Wh battery, supports Rapid Charge Pro (30 minutes 50%)		
Storage	<i>Up to 2 drives:</i> - HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high - M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 4 - M.2 2280SSD / PCIe NVMe, PCIe 3.0 x 4							Max battery life	<i>MobileMark® 2018:</i> 5.7 hr (80Wh) or 4.2 hr (60Wh) <i>* Battery life varies significantly with hardware configurations, settings, usage, & other factors</i>		
Optical	None							AC adapter	230W slim tip AC adapter		
Ethernet	Gigabit Ethernet connection							Preload (optional) <i>Preloaded operating system</i> - Windows® 10 Home 64 - Windows 10 Pro 64 <i>Preloaded applications (only some listed)</i> - Microsoft Office Trial (with 30-day license) - Microsoft Office Home and Business 2019 - Microsoft Office Home and Student 2019 - Microsoft Office Professional 2019 - Microsoft Office Personal 2019 - Microsoft 365 Personal - Microsoft 365 Family			
WLAN + Bluetooth™	<i>One of the following, configurable by model:</i> 802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card							Limited warranty	<i>One of the following, configurable by model:</i> 1-year depot repair service 1-year depot repair with 2-year system board repair service 2-year/1-yr battery depot repair service		
Dimensions	WxDxH: 14.3" x 10.22" x 0.93-1.03"; 363.06mm x 259.61mm x 23.57-26.1mm							Environment	ErP lot3; RoHS-compliant		
Weight	Starting at 5.42 lb / 2.46 kg										
Case color	Phantom black										
Case material	PC/ABS plastic										

Note: The specifications above may not be available in all regions and might change by regions.

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October 2020

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