

Lenovo Legion 5 15ARH05H 82B1005EGE

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

512GB SSD M.2 2242 PCIe NVMe 3.0x4

Display

15.6" FHD (1920x1080) IPS 250nits Anti-glare, 120Hz, 45% NTSC

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

Backlit, German

Fingerprint Reader

None

TPM

FW TPM 2.0

Battery

Integrated 60Wh

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

195235846117

End of Support

2026-09-13

Announce Date

2020-07-27



WWW.LENOVO.COM

Lenovo may not offer the products, services or features discussed in this document in other countries. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area.

Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors.

Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.



<https://psref.lenovo.com>

Visit psref website for the latest version of Product specifications Reference.

© Lenovo, 2020. All rights reserved.



AMD

Lenovo™

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	Processor Graphics		
	Ryzen 5 4600H	6	12	3.0 GHz	4.0 GHz	3MB L2 / 8MB L3	DDR4-3200	AMD Radeon Graphics		
	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 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)									
Chipset	AMD SoC (System on Chip) platform								Keyboard	6-row, multimedia Fn keys, white backlight or 4-Zone RGB LED backlight, numeric keypad, anti-ghost
Memory	16GB max offering / 3200MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets									
Display	One of the following, configurable by model:								Touchpad	Buttonless Mylar surface multi-touch touchpad
	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									
Multi-touch	None								Security chip	Power-on password, hard-disk password, administrator password, security keyhole Firmware TPM 2.0 integrated in chipset
Storage	Up to 2 drives: - 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									
Optical	None								Fingerprint reader	None
Ethernet	Gigabit Ethernet connection									
WLAN + Bluetooth™	One of the following, configurable by model: 802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card								Battery	Integrated Li-Polymer 60Wh or 80Wh battery, supports Rapid Charge Pro (30 minutes 50%) MobileMark® 2018: 5.7 hr (80Wh) or 4.2 hr (60Wh) <i>* Battery life varies significantly with hardware configurations, settings, usage, & other factors</i>
Dimensions	WxDxH: 14.3" x 10.22" x 0.93-1.03"; 363.06mm x 259.61mm x 23.57-26.1mm									
Weight	Starting at 5.42 lb / 2.46 kg									
Case color	Phantom black									
Case material	PC/ABS plastic								AC adapter	230W slim tip AC adapter
									Preload (optional)	Preloaded operating system - Windows® 10 Home 64 - Windows 10 Pro 64 Preloaded applications (only some listed) - 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
									Limited warranty	One of the following, configurable by model: 1-year depot repair service 1-year depot repair with 2-year system board repair service 2-year/1-yr battery depot repair service
									Environment	ErP lot3; RoHS-compliant

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

Lenovo
October 2020

Lenovo™

Lenovo Legion 5 15ARH05H



AMD



AMD



AMD



AMD



AMD



AMD