

Lenovo Legion 5 15ARH05 82B5002BGE

Product

Lenovo Legion 5 15ARH05

Region

WE

Country/Region

Germany

Machine Type

82B5

Processor

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

Graphics

NVIDIA GeForce GTX 1650 Ti 4GB GDDR6

Chipset

AMD SoC Platform

Memory

2x 8GB SO-DIMM DDR4-3200

Storage

1TB SSD M.2 2280 PCIe NVMe

Display

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

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

Color

Phantom Black

Keyboard

Backlit, German

Fingerprint Reader

None

TPM

FW TPM 2.0

Battery

Integrated 60Wh

Power Adapter

170W Slim Tip

Operating System

Windows 10 Home 64, German

Bundled Software

Office Trial

Base Warranty

2-year, Depot

Bundled Service

None

EAN / UPC / JAN

195042049664

End of Support

2026-05-03

Announce Date

2020-04-15



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AMD

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Lenovo Legion 5 15ARH05 Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD Ryzen™ Mobile Processors with Radeon™ Graphics								Media reader Ports	None Four USB 3.1 Gen 1 (one Always On), one USB 3.1 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 Atoms® for Gaming Certification, Harman speakers, 2W x 2, dual array microphone, headphone / microphone combo jack	
	AMD Radeon Graphics		NVIDIA® GeForce® GTX 1650 (4GB GDDR6 memory)								Audio support
			NVIDIA GeForce GTX 1650 Ti (4GB GDDR6 memory)								
	supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2160@60Hz (HDMI); 3840x2160@30Hz (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 / 3200MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								Security	Power-on password, hard-disk password, supervisor password, security keyhole	
Display	One of the following, configurable by model: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 45% NTSC gamut, refresh rate 120Hz 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 100% sRGB gamut, refresh rate 144Hz, Dolby® Vision 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 100% sRGB gamut, refresh rate 60Hz								Security chip	Firmware TPM 2.0 integrated in chipset	
Multi-touch	None								Fingerprint reader	None	
Storage	Up to 2 drives (one HDD and one M.2 SSD): - HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high - M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 - M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 4								Battery	Integrated Li-Polymer 60Wh or 80Wh battery, supports Rapid Charge Pro (30 minutes 50%)	
Optical	None								Max battery life	MobileMark® 2018: 13.5 hr (80Wh) or 12.5 hr (60Wh) <i>* Battery life varies significantly with settings, usage, & other factors</i>	
Ethernet	Gigabit Ethernet connection								AC adapter	170W slim tip AC adapter	
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								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	
Dimensions	WxDxH: 14.3" x 10.22" x 0.87-0.94"; 363.06mm x 259.61mm x 22-24mm								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	
Weight	Starting at 5.07 lb / 2.3 kg								Environment	ErP lot3; RoHS-compliant	
Case color	Phantom black										
Case material	PC/ABS plastic										
Lighting	Legion "Y" logo with white backlit on display cover										

Note: The specifications above may not be available in all regions.

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