

# Lenovo Legion 5 15ARH05 82B500CFGE

**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**

512GB SSD M.2 2242 PCIe NVMe 3.0x4

**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**

195042906004

**End of Support**

2026-05-03

**Announce Date**

2020-05-11

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# Lenovo Legion 5 15ARH05 Platform Specifications

Product Specifications Reference (PSREF)



Processor	AMD Ryzen™ Mobile Processors with Radeon™ Graphics							Processor 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		
	Ryzen 5 4600H	6	12	3.0 GHz	4.0 GHz	3MB L2 / 8MB L3	DDR4-3200		
Ryzen 7 4800H	8	16	2.9 GHz	4.2 GHz	4MB L2 / 8MB L3	AMD Radeon Graphics			
Graphics	Integrated Graphics		Discrete Graphics (Memory)						Camera 720p HD, 1.0MP resolution, privacy shutter, fixed focus, with dual array microphone
	AMD Radeon Graphics		NVIDIA® GeForce® GTX 1650 (4GB GDDR6 memory) NVIDIA GeForce GTX 1650 Ti (4GB GDDR6 memory)						
Audio support HD Audio, Realtek ALC3287 codec / Dolby Atmos® for Gaming Certification, Harman speakers, 2W x 2, dual array microphone, headphone / microphone combo jack									
Keyboard 6-row, multimedia Fn keys, white backlight or 4-Zone RGB LED backlight, numeric keypad, anti-ghost									
Touchpad Buttonless Mylar surface multi-touch touchpad									
Security Power-on password, hard-disk password, supervisor password, security keyhole Security chip Firmware TPM 2.0 integrated in chipset Fingerprint reader None									
Chipset	AMD SoC (System on Chip) platform								
Memory	16GB max / 3200MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								
Display	One of the following, configurable by model: <ul style="list-style-type: none"> <li>15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 45% NTSC gamut, refresh rate 120Hz</li> <li>15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 100% sRGB gamut, refresh rate 144Hz, Dolby® Vision</li> <li>15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 100% sRGB gamut, refresh rate 60Hz</li> </ul>								
Multi-touch	None								
Storage	Up to 2 drives (one HDD and one M.2 SSD): <ul style="list-style-type: none"> <li>HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high</li> <li>M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4</li> <li>M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 4</li> </ul>								
Optical	None								
Ethernet	Gigabit Ethernet connection								
WLAN + Bluetooth™	One of the following, configurable by model: <ul style="list-style-type: none"> <li>802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card</li> <li>802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card</li> </ul>								
Dimensions	WxDxH: 14.3" x 10.22" x 0.87-0.94"; 363.06mm x 259.61mm x 22-24mm								
Weight	Starting at 5.07 lb / 2.3 kg								
Case color	Phantom black								
Case material	PC/ABS plastic								
Lighting	Legion "Y" logo with white backlit on display cover								
Battery	Integrated Li-Polymer 60Wh or 80Wh battery, supports Rapid Charge Pro (30 minutes 50%)								
Max battery life	MobileMark® 2018: 13.5 hr (80Wh) or 12.5 hr (60Wh) <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>								
AC adapter	170W slim tip AC adapter								
Preload (optional)	Preloaded operating system <ul style="list-style-type: none"> <li>Windows® 10 Home 64</li> <li>Windows 10 Pro 64</li> </ul> Preloaded applications (only some listed) <ul style="list-style-type: none"> <li>Microsoft Office Trial (with 30-day license)</li> <li>Microsoft Office Home and Business 2019</li> <li>Microsoft Office Home and Student 2019</li> <li>Microsoft Office Professional 2019</li> <li>Microsoft Office Personal 2019</li> <li>Microsoft 365 Personal</li> <li>Microsoft 365 Family</li> </ul>								
Limited warranty	One of the following, configurable by model: <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>1-year depot repair with 2-year system board repair service</li> <li>2-year/1-yr battery depot repair service</li> </ul>								
Environment	ErP lot3; RoHS-compliant								

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

Lenovo  
April 2020

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