Lenovo Legion 5 15ARH05 Platform Specifications

Processor	AMD Ryzen™ Mobile Processors with Radeon™ Graphics

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)
AMD Radeon Graphics	NVIDIA® GeForce® GTX 1650 (4GB GDDR6 memory)
	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)

Chipset	AMD SoC (System on Chip) platform
Memory	16GB max offering / 3200MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets

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

Multi-touch	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

Optical	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

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

Media reader	None
Ports	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 ** Depending on many factors, actual data transfer speed may be lower than theoretical speed*
Bundled Accy	*Optional:* Lenovo Legion M300 RGB Gaming Mouse (USB connector)
Camera	720p HD, 1.0MP resolution, privacy shutter, fixed focus, with dual array microphone
Audio support	HD Audio, Realtek ALC3287 codec / Dolby Atoms® 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
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) ** Battery life varies significantly with hardware configurations, settings, usage, & other factors*
AC adapter	170W 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.