Lenovo Legion 5 15IMH05 82AU0044GE

Product
Lenovo Legion 5 15IMH05

Region
WE

Country/Region
Germany

Machine Type
82AU

Processor
Intel Core i7-10750H (6C / 12T, 2.6 / 5.0GHz, 12MB)

Graphics
NVIDIA GeForce GTX 1650 Ti 4GB GDDR6

Chipset
Intel HM470

Memory
2x 8GB SO-DIMM DDR4-2933

Storage
1TB SSD M.2 2280 PCIe NVMe

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

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
195042288834

End of Support
2026-05-27

Announce Date
2020-04-15

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Lenovo Legion 5 15IMH05 Platform Specifications

Product Specifications Reference (PSREF)

Processor

10th Generation Intel® Core™ i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-10300H	4	8	2.5 GHz	4.5 GHz	8MB	DDR4-2933	Intel UHD Graphics
i7-10750H	6	12	2.6 GHz	5.0 GHz	12MB		
i7-10875H	8	16	2.3 GHz	5.1 GHz	16MB		

Graphics

Integrated Graphics	Discrete Graphics (Memory)
Intel UHD 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
Intel HM470 Chipset

Memory
16GB max offering / 2933MHz 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
- 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 500 nits, 16:9 aspect ratio, 100% sRGB gamut, refresh rate 240Hz, Dolby Vision

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
802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card

Bluetooth™
Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Dimensions
WxDxH: 14.3" x 10.22" x 0.93-1.03"; 363.06mm x 259.61mm x 23.57-26.1mm

Weight
Strating 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,
integrated 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: 7.7 hr (80Wh) or 6.8 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

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 365 Family
- Microsoft 365 Personal
- Microsoft Office Professional 2019
- Microsoft Office Personal 2019

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.

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