Lenovo Legion 5 17IMH05 82B3000YGE

Product
Lenovo Legion 5 17IMH05

Region
WE

Country/Region
Germany

Machine Type
82B3

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
256GB SSD M.2 2280 PCIe NVMe + 1TB HDD 5400rpm 2.5"

Display
17.3" FHD (1920x1080) IPS 300nits Anti-glare, 144Hz, 72% Gamut, Dolby Vision

Touchscreen
None

Optical
None

Media Reader
4-in-1 Card Reader

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 80Wh

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
194778562690

End of Support
2026-06-04

Announce Date
2020-04-20

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Lenovo Legion 5 17IMH05 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 / 2933MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets

Display

One of the following, configurable by model:

- 17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% NTSC gamut, refresh rate 60Hz
- 17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% NTSC gamut, refresh rate 144Hz, 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:* 15.7" x 11.41" x 0.96-1.03"; 398.6mm x 290mm x 24.3-26.2mm

Weight: 6.57 lb / 2.98 kg

Case color: Phantom black

Case material: PC/ABS plastic

Lighting: Legion "Y" logo with white backlit on display cover

Media reader: 4-in-1 media reader (MMC, SD, SDHC, SDXC)

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,
4-in-1 media reader (MMC, SD, SDHC, SDXC),
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 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 80Wh battery, supports Rapid Charge Pro (30 minutes 50%)

Max battery life: *MobileMark® 2018:* 7.8 hr
** Battery life varies significantly with 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 Student 2019
- Microsoft Office Home and Business 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.

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