

Lenovo Legion 7 15IMH05 81YT000SGE

Product

Lenovo Legion 7 15IMH05

Region

WE

Country/Region

Germany

Machine Type

81YT

Processor

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

Graphics

NVIDIA GeForce RTX 2070 Max-Q 8GB GDDR6

Chipset

Intel HM470

Memory

2x 8GB SO-DIMM DDR4-2933

Storage

512GB SSD M.2 2280 PCIe NVMe

RAID

No

Display

15.6" FHD (1920x1080) IPS 500nits Anti-glare, 240Hz, 100% sRGB Gamut, Dolby Vision

Touchscreen

None

Optical

None

Media Reader

None

Ethernet

100/1000M

WLAN + Bluetooth

11ax, 2x2 + BT5.0

Case Material

Aluminium

Camera

720p

Microphone

2x, Array

Color

Slate Grey

Keyboard

RGB LED Backlit, German

Fingerprint Reader

None

TPM

FW TPM 2.0

Battery

Integrated 80Wh

Power Adapter

230W Slim Tip

Operating System

Windows 10 Home 64, German

Bundled Software

Office Trial

Base Warranty

2-year, Depot

Bundled Service

None

EAN / UPC / JAN

195042049602

End of Support

2026-06-14

Announce Date

2020-05-25



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Lenovo Legion 7 15IMH05 Platform Specifications

Product Specifications Reference (PSREF)

Processor	10th Generation Intel® Core™ i5 / i7 / i9 Processor								Dimensions Weight Case color Case material Lighting	WxDxH: 14.15" x 10.20" x 0.78"; 359.34mm x 259.04mm x 19.9mm Starting at 4.96 lb / 2.25 kg Slate grey Aluminum "Y" Logo RGB lighting on display cover - RGB lighting on power button "U" Strip RGB lighting - RGB lighting on rear thermal vent
	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				
i9-10980HK	2.4 GHz			5.3 GHz						
Graphics	Integrated Graphics	Discrete Graphics (Memory)							Media reader Ports	None One USB 3.1 Gen 1 (Always On), two USB 3.1 Gen 2, one USB 3.1 Type-C Gen 1 (with the function of DisplayPort 1.4), one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of DP 1.4), 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>
	Intel UHD Graphics	NVIDIA® GeForce® GTX 1660 Ti (6GB GDDR6 memory), VR ready								
		NVIDIA GeForce RTX 2060 (6GB GDDR6 memory), VR ready								
		NVIDIA GeForce RTX 2070 Max-Q (8GB GDDR6 memory), VR ready								
		NVIDIA GeForce RTX 2070 Super Max-Q (8GB GDDR6 memory), VR ready								
	NVIDIA GeForce RTX 2080 Super Max-Q (8GB GDDR6 memory), VR ready									
	supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (HDMI); 4096x2304@60Hz (USB Type-C)									
Chipset	Intel HM470 Chipset								Camera	720p HD, 1.0MP resolution, privacy shutter, fixed focus
Memory	<i>i9-10980HK or i7-10875H model:</i> 32GB max offering / 3200MHz DDR4 <i>Other model:</i> 32GB max offering / 2933MHz DDR4 <i>All:</i> dual-channel capable, two DDR4 SO-DIMM sockets <i>* System overlocks to support DDR4-3200 for i7-10875H or i9-10980HK</i>								Audio support	HD Audio, Realtek ALC3306 codec / Dolby Atmos® speaker system for gaming certification, stereo speakers, 2W x 2, dual array microphone, headphone / microphone combo jack
Display	<i>One of the following, configurable by model:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 100% sRGB gamut, refresh rate 144Hz 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 500 nits, 16:9 aspect ratio, 100% Adobe RGB gamut, refresh rate 144Hz, DisplayHDR400, Dolby Vision™ 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 500 nits, 16:9 aspect ratio, 100% sRGB gamut, refresh rate 240Hz, DisplayHDR400, Dolby Vision								Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad, anti-ghost, RGB LED backlight with CORSAIR® iCUE
			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						
Multi-touch	None								Battery	Integrated Li-Polymer 80Wh battery, supports Rapid Charge Pro (30 minutes 50%)
									Max battery life	<i>MobileMark® 2014:</i> 6 hr (G-sync mode) or 8 hr (hybrid mode) <i>* Battery life varies significantly with hardware configurations, settings, usage, & other factors</i>
									AC adapter	230W slim tip AC adapter
									Preload (optional)	<i>Preloaded operating system</i> - Windows® 10 Home 64 - Windows 10 Pro 64 <i>Preloaded applications (only some listed)</i> - 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
Storage	<i>Up to 2 drives:</i> M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4								Limited warranty	<i>One of the following, configurable by model:</i> 1-year depot repair service 1-year depot repair with 2-year system board repair service 2-year/1-yr battery depot repair service
RAID (optional)	RAID 0 support									
Optical	None									
Ethernet	Gigabit Ethernet connection								Environment	ErP lot3; RoHS-compliant
WLAN	802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card									
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									

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

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June 2020

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