Lenovo Legion 7 15IMHg05 81YU005LMZ

Product
Lenovo Legion 7 15IMHg05

Region
WE

Country/Region
Switzerland

Machine Type
81YU

Processor
Intel Core i7-10875H (8C / 16T, 2.3 / 5.1GHz, 16MB)

Graphics
NVIDIA GeForce RTX 2080 Super Max-Q 8GB GDDR6

Chipset
Intel HM470

Memory
2x 16GB SO-DIMM DDR4-3200

Storage
1TB SSD M.2 2280 PCIe NVMe + 512GB SSD M.2 2280 PCIe NVMe

RAID
No

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

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, Swiss

Fingerprint Reader
None

TPM
FW TPM 2.0

Battery
Integrated 80Wh

Power Adapter
230W Slim Tip

Operating System
Windows 10 Home 64, Swiss (EN/FR/DE/IT)

Bundled Software
Office Trial

Base Warranty
2-year, Depot

Bundled Service
None

EAN / UPC / JAN
195235096123

End of Support
2026-06-29

Announce Date
2020-06-25

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Lenovo Legion 7 15IMHg05 Platform Specifications

Processor

10th Generation Intel® Core™ i7 / i9 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i7-10750H	6	12	2.6 GHz	5.0 GHz	12MB	DDR4-2933	Intel UHD Graphics
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)
Intel UHD Graphics	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

Memory
i9-10980HK or i7-10875H model: 32GB max offering / 3200MHz DDR4
i7-10750H model: 32GB max offering / 2933MHz DDR4
All: dual-channel capable, two DDR4 SO-DIMM sockets
** System overclocks to support DDR4-3200 for i7-10875H or i9-10980HK*

Display
One of the following, configurable by model:
- 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 100% sRGB gamut, refresh rate 144Hz, G-Sync®
- 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™, G-Sync

Multi-touch
None

Storage
Up to 2 drives:
M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4

RAID *(optional)*
RAID 0 support

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: 14.15" x 10.20" x 0.78"; 359.34mm x 259.04mm x 19.9mm

Weight
Starting at 4.96 lb / 2.25 kg

Case color
Slate grey

Case material
Aluminum

Lighting
- "Y" Logo RGB lighting on display cover
- RGB lighting on power button
- "U" Strip RGB lighting
- RGB lighting on rear thermal vent

Media reader
None

Ports
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 DisPlay 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
** Depending on many factors, actual data transfer speed may be lower than theoretical speed*

Camera
720p HD, 1.0MP resolution, privacy shutter, fixed focus

Audio support
HD Audio, Realtek ALC3306 codec /
Dolby Atoms® speaker system for gaming certification, stereo speakers, 2W x 2,
dual array microphone, headphone / microphone combo jack

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

Battery
Integrated Li-Polymer 80Wh battery, supports Rapid Charge Pro (30 minutes 50%)

Max battery life
MobileMark® 2014: 6 hr (G-sync mode) or 8 hr (hybrid mode)
** Battery life varies significantly with hardware configurations, settings, usage, & other factors*

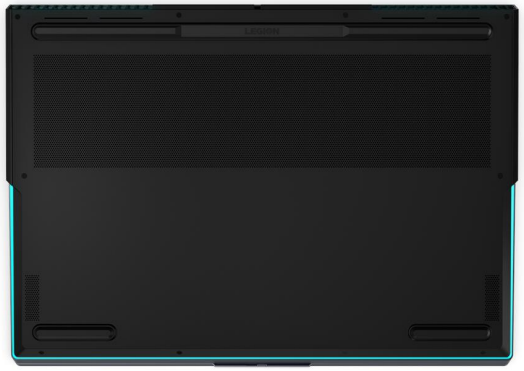
AC adapter
230W slim tip AC adapter

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 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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