Lenovo Legion 5P 15IMH05H 82AW0042CK

Product
Lenovo Legion 5P 15IMH05H

Region
EET

Country/Region
Czech, Slovakia

Machine Type
82AW

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

Graphics
NVIDIA GeForce RTX 2060 6GB 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

Touchscreen
None

Optical
None

Media Reader
None

Ethernet
100/1000M

WLAN + Bluetooth
11ax, 2x2 + BT5.0

Bundled Accessories
None

Case Material
PC / ABS

Camera
None

Microphone
2x, Array

Color
Iron Grey

Keyboard
Backlit, Czech / Slovak

Fingerprint Reader
None

TPM
FW TPM 2.0

Battery
Integrated 60Wh

Power Adapter
230W Slim Tip

Operating System
Windows 10 Home 64, English / Czech / Slovak

Bundled Software
Office Trial

Base Warranty
2-year, Depot

Bundled Service
None

EAN / UPC / JAN
195042664690

End of Support
2026-05-13

Announce Date
2020-04-13

WWW.LENOVO.COM

Lenovo may not offer the products, services or features discussed in this document in other countries. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area.

Lenovo reserves the right to change specifcations or other product information without notice. Lenovo is not responsible for photographic or typographical errors.

Lenovo provides this publication “as is” without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

https://psref.lenovo.com

Visit psref website for the latest version of Product Specifcations Reference.

© Lenovo, 2020. All rights reserved.

Lenovo Legion 5P 15IMH05H 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 1660 Ti (6GB GDDR6 memory), VR ready
	NVIDIA GeForce RTX 2060 (6GB GDDR6 memory), VR ready

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 32GB max / 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, 300 nits, 16:9 aspect ratio, 100% sRGB gamut, refresh rate 60Hz
- 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, 500 nits, 16:9 aspect ratio, 100% sRGB gamut, refresh rate 240Hz, Dolby Vision

Multi-touch None

Storage *Up to 2 drives:*

- 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"; 363.06mm x 259.61mm x 23.57mm

Weight Starting at 5.07 lb / 2.3 kg

Case color Iron grey

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 None

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-ion 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 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 Office Professional 2019
- Microsoft Office Personal 2019
- Microsoft 365 Personal

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.

Lenovo
April 2020

Lenovo Legion 5P 15IMH05H