IdeaPad Gaming 3 15IMH05 81Y400WFCK

Product
IdeaPad Gaming 3 15IMH05

Region
EET

Country/Region
Czech, Slovakia

Machine Type
81Y4

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
512GB SSD M.2 2242 PCIe 3.0x4 NVMe

Display
15.6" FHD (1920x1080) IPS 250nits Anti-glare, 120Hz

Touchscreen
None

Optical
None

Card Reader
None

Ethernet
100/1000M

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

Bundled Accessories
None

Camera
720p

Microphone
2x, Array

Surface Treatment
IMR

Case Color
Onyx Black

Case Material
PC / ABS

Keyboard
Blue LED Backlit, Czech / Slovak

Fingerprint Reader
None

Security Chip
Firmware TPM 2.0

Battery
Integrated 45Wh

Power Adapter
135W Slim Tip

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

Bundled Software
Office Trial

Base Warranty
2-year, Depot

Bundled Service
None

EAN / UPC / JAN
195348880435

End of Support
2026-06-04

Announce Date
2020-03-12

IdeaPad Gaming 3 15IMH05 Platform Specifications

Lenovo

Processor	10th Generation Intel® Core™ i5 / i7 Processor						
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
	i5-10200H	4	8	2.4 GHz	4.1 GHz	8MB	DDR4-2933	Intel UHD Graphics
	i5-10300H			2.5 GHz	4.5 GHz			
	i7-10750H	6	12	2.6 GHz	5.0 GHz	12MB		

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;
supports dual independent display;
Max resolution: 4096x2160@60Hz (HDMI)

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), WVA, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 45% gamut, refresh rate 60Hz
- 15.6" (396mm) FHD (1920x1080), WVA, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 45% gamut, refresh rate 120Hz

Multi-touch — None

Storage — *Up to 2 drives (one HDD and M.2 SSD):*
- HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high
- M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 4
- M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4

Optical — None

Ethernet — Gigabit Ethernet connection

WLAN + Bluetooth™ — *One of the following, configurable by model:*
- 802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card
- 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card

Dimensions — *WxDxH:* 14.13" x 9.83" x 0.98";   359mm x 249.6mm x 24.9mm
Weight — Starting at 4.8 lb / 2.2 kg
Case color — Chameleon blue or onyx black
Case material — PC/ABS plastic

Media reader — None
Ports — Two USB 3.2 Gen 1, one USB 3.2 Type-C Gen 1, HDMI 2.0, Ethernet (RJ-45), AC power adapter jack, headphone / microphone combo jack
* Depending on many factors, actual data transfer speed may be lower than theoretical speed
Bundled Accy — *Optional:* Lenovo Gaming M100 RGB Mouse (USB connector)

Camera — 720p HD, 1.0MP resolution, privacy shutter, fixed focus, integrated dual array microphone
Audio support — HD Audio, Dolby Audio™, stereo speakers, 1.5W x 2, dual array microphone, headphone / microphone combo jack

Keyboard — 6-row, multimedia Fn keys, numeric keypad, blue backlight
Touchpad — Buttonless Mylar surface multi-touch touchpad

Security — Power-on password, hard disk password, supervisor password
Security chip — Firmware TPM 2.0 integrated in chipset
Fingerprint reader — None

Battery — Integrated Li-Polymer 45Wh battery, supports Rapid Charge (1 hour 80%)
Max battery life — *MobileMark 2014:* 9.7 hr
* Battery life varies significantly with hardware configurations, settings, usage, & other factors
AC adapter — 135W 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 365 Family
- Microsoft 365 Personal
- Microsoft Office Personal 2019
- Microsoft Office Perfessional 2019

Limited warranty — *One of the following, configurable by model:*
- 1-year mail-in repair service
- 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 — ENERGY STAR® 8.0; GREENGUARD; ErP lot3; RoHS-compliant

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

Lenovo
September 2020

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