

IdeaPad Gaming 3 15IMH05 81Y4001XUS

Product

IdeaPad Gaming 3 15IMH05

Region

NA

Country/Region

USA

Machine Type

81Y4

Processor

Intel Core i5-10300H (4C / 8T, 2.5 / 4.5GHz, 8MB)

Graphics

NVIDIA GeForce GTX 1650 Ti 4GB GDDR6

Chipset

Intel HM470

Memory

1x 8GB SO-DIMM DDR4-2933

Storage

256GB SSD M.2 2242 PCIe 3.0x4 NVMe

Display

15.6" FHD (1920x1080) IPS 250nits Anti-glare, 60Hz

Touchscreen

None

Optical

None

Media Reader

None

Ethernet

100/1000M

WLAN + Bluetooth

11ax, 2x2 + BT5.0

Bundled Accessories

None

Case Material

PC / ABS

Camera

720p

Microphone

2x, Array

Surface Treatment

IMR

Color

Onyx Black

Keyboard

Blue LED Backlit, English (US)

Fingerprint Reader

None

TPM

FW TPM 2.0

Battery

Integrated 45Wh

Power Adapter

135W Slim Tip

Operating System

Windows 10 Home 64, English

Bundled Software

Office Trial

Base Warranty

1-year, Depot

Bundled Service

None

EAN / UPC / JAN

194778388634

End of Support

2026-06-04

Announce Date

2020-04-14

Recommended Services**Best**

3Y Premium Care with Onsite upgrade from 1Y Depot/CCI (5WS0T73714)

Good

3Y Depot/CCI upgrade from 1Y Depot/CCI delivery (5WS0K75663)

Notes:**California Electronic Waste Recycling Fee**

In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to: <https://www.calrecycle.ca.gov/Electronics/Consumer>

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IdeaPad Gaming 3 15IMH05 Platform Specifications

Product Specifications Reference (PSREF)

Processor	10th Generation Intel® Core™ i5 / i7 Processor								Media reader	None	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	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 <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>	
	i5-10200H	4	8	2.4 GHz	4.1 GHz	8MB	DDR4-2933	Intel UHD Graphics	Bundled Accy	Optional: Lenovo Gaming M100 RGB Mouse (USB connector)	
	i5-10300H			2.5 GHz	4.5 GHz				Camera	720p HD, 1.0MP resolution, privacy shutter, fixed focus, integrated dual array microphone	
i7-10750H	6	12	2.6 GHz	5.0 GHz	12MB			Audio support	HD Audio, Dolby Audio™, stereo speakers, 1.5W x 2, dual array microphone, headphone / microphone combo jack		
Graphics	Integrated Graphics		Discrete Graphics (Memory)						Keyboard	6-row, multimedia Fn keys, numeric keypad, blue backlight	
	Intel UHD Graphics		NVIDIA® GeForce® GTX 1650 (4GB GDDR6 memory) NVIDIA GeForce GTX 1650 Ti (4GB GDDR6 memory)						Touchpad	Buttonless Mylar surface multi-touch touchpad	
supports external digital monitor via HDMI; supports dual independent display; Max resolution: 4096x2160@60Hz (HDMI)										Security	Power-on password, hard disk password, supervisor password
Chipset	Intel HM470 Chipset								Security chip	Firmware TPM 2.0 integrated in chipset	
Memory	16GB max offering / 2933MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								Fingerprint reader	None	
Display	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> 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 								Battery	Integrated Li-Polymer 45Wh battery, supports Rapid Charge (1 hour 80%)	
Multi-touch	None								Max battery life	<i>MobileMark 2014:</i> 9.7 hr <i>* Battery life varies significantly with hardware configurations, settings, usage, & other factors</i>	
Storage	<i>Up to 2 drives (one HDD and M.2 SSD):</i> <ul style="list-style-type: none"> 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 								AC adapter	135W slim tip AC adapter	
Optical	None								Preload (optional)	<i>Preloaded operating system</i> <ul style="list-style-type: none"> Windows® 10 Home 64 Windows 10 Pro 64 <i>Preloaded applications (only some listed)</i> <ul style="list-style-type: none"> 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 Professional 2019 	
Ethernet	Gigabit Ethernet connection								Limited warranty	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> 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 	
WLAN + Bluetooth™	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> 802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card 								Environment	ENERGY STAR® 8.0; GREENGUARD; ErP lot3; RoHS-compliant	
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										

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

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