

IdeaPad Gaming 3 15IMH05 81Y400GNMH

Product

IdeaPad Gaming 3 15IMH05

Region

WE

Country/Region

Netherlands

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 NVMe 3.0x4

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

Color

Onyx Black

Keyboard

Blue LED Backlit, English (EU)

Fingerprint Reader

None

TPM

FW TPM 2.0

Battery

Integrated 45Wh

Power Adapter

135W Slim Tip

Operating System

Windows 10 Home 64, Benelux (EN/FR/DE/NL)

Bundled Software

Office Trial

Base Warranty

2-year, Depot

Bundled Service

None

EAN / UPC / JAN

195042653601

End of Support

2026-05-14

Announce Date

2020-04-14



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IdeaPad Gaming 3 15IMH05 Platform Specifications

Product Specifications Reference (PSREF)

Processor	10th Generation Intel® Core™ i5 / i7 Processor								Media reader Ports	None Two USB 3.1 Gen 1, one USB 3.1 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> Optional: Lenovo Gaming M100 RGB Mouse (USB connector)
	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				
Graphics	Integrated Graphics		Discrete Graphics (Memory)						Camera	720p HD, 1.0MP resolution, privacy shutter, fixed focus, integrated dual array microphone HD Audio, Dolby Audio™, stereo speakers, 1.5W x 2, dual array microphone, headphone / microphone combo jack
	Intel UHD Graphics		NVIDIA® GeForce® GTX 1650 (4GB GDDR6 memory)						Audio support	
			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								Security	Power-on password, hard disk password, supervisor password
Memory	16GB max / 2933MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								Security chip	Firmware TPM 2.0 integrated in chipset
Display	<i>One of the following, configurable by model:</i> 15.6" (396mm) FHD (1920x1080), IPS, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 45% gamut, refresh rate 60Hz 15.6" (396mm) FHD (1920x1080), IPS, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 45% gamut, refresh rate 120Hz								Fingerprint reader	None
Multi-touch	None								Battery	Integrated Li-ion 45Wh battery, supports Quick Charge (1 hour 80%)
Storage	<i>Up to 2 drives (one HDD and M.2 SSD):</i> - 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								Max battery life	<i>MobileMark 2014: 9.7 hr</i> <i>* Battery life varies significantly with settings, usage, & other factors</i>
Optical	None								AC adapter	135W slim tip AC adapter
Ethernet	Gigabit Ethernet connection								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 Student 2019 - Microsoft Office Home and Business 2019 - Microsoft 365 Family - Microsoft 365 Personal - Microsoft Office Personal 2019 - Microsoft Office Professional 2019	
WLAN + Bluetooth™	<i>One of the following, configurable by model:</i> 802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card								Limited warranty	<i>One of the following, configurable by model:</i> 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
Dimensions	WxDxH: 14.13" x 9.83" x 0.98"; 359mm x 249.6mm x 24.9mm								Environment	ENERGY STAR® 8.0; GREENGUARD; ErP lot3; RoHS-compliant
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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