

# IdeaPad Gaming 3 15IMH05 81Y400MSCK

**Product**

IdeaPad Gaming 3 15IMH05

**Region**

EET

**Country/Region**

Czech, Slovakia

**Machine Type**

81Y4

**Processor**

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

**Graphics**

NVIDIA GeForce GTX 1650 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**

11ac, 2x2 + BT5.0

**Bundled Accessories**

None

**Case Material**

PC / ABS

**Camera**

720p

**Microphone**

2x, Array

**Color**

Onyx Black

**Keyboard**

Blue LED Backlit, Czech / Slovak

**Fingerprint Reader**

None

**TPM**

FW TPM 2.0

**Battery**

Integrated 45Wh

**Power Adapter**

135W Slim Tip

**Operating System**

None

**Bundled Software**

None

**Base Warranty**

2-year, Depot

**Bundled Service**

None

**EAN / UPC / JAN**

195235143476

**End of Support**

2026-06-04

**Announce Date**

2020-05-25



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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	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	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		
	i5-10300H	4	8	2.5 GHz	4.5 GHz	8MB	DDR4-2933	Intel UHD Graphics	* Depending on many factors, actual data transfer speed may be lower than theoretical speed Optional: Lenovo Gaming M100 RGB Mouse (USB connector)		
	i7-10750H	6	12	2.6 GHz	5.0 GHz	12MB		Bundled Accy			
Graphics	Integrated Graphics		Discrete Graphics (Memory)						Camera	720p HD, 1.0MP resolution, privacy shutter, fixed focus, integrated dual array microphone	
	Intel UHD Graphics		NVIDIA® GeForce® GTX 1650 (4GB GDDR6 memory)						Audio support	HD Audio, Dolby Audio™, stereo speakers, 1.5W x 2, dual array microphone, headphone / microphone combo jack	
			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									Keyboard	6-row, multimedia Fn keys, numeric keypad, blue backlight
Memory	16GB max offering / 2933MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets									Touchpad	Buttonless Mylar surface multi-touch touchpad
Display	One of the following, configurable by model: <ul style="list-style-type: none"><li>15.6" (396mm) FHD (1920x1080), IPS, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 45% gamut, refresh rate 60Hz</li><li>15.6" (396mm) FHD (1920x1080), IPS, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 45% gamut, refresh rate 120Hz</li></ul>									Security	Power-on password, hard disk password, supervisor password
Multi-touch	None									Security chip	Firmware TPM 2.0 integrated in chipset
Storage	Up to 2 drives (one HDD and M.2 SSD): <ul style="list-style-type: none"><li>HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high</li><li>M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 4</li><li>M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4</li></ul>									Fingerprint reader	None
Optical	None									Battery	Integrated Li-Polymer 45Wh battery, supports Quick Charge (1 hour 80%)
Ethernet	Gigabit Ethernet connection									Max battery life	MobileMark 2014: 9.7 hr * Battery life varies significantly with hardware configurations, settings, usage, & other factors
WLAN + Bluetooth™	One of the following, configurable by model: <ul style="list-style-type: none"><li>802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card</li><li>802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card</li></ul>									AC adapter	135W slim tip AC adapter
Dimensions	WxDxH: 14.13" x 9.83" x 0.98"; 359mm x 249.6mm x 24.9mm									Preload (optional) Preloaded operating system <ul style="list-style-type: none"><li>Windows® 10 Home 64</li><li>Windows 10 Pro 64</li></ul> Preloaded applications (only some listed) <ul style="list-style-type: none"><li>Microsoft Office Trial (with 30-day license)</li><li>Microsoft Office Home and Student 2019</li><li>Microsoft Office Home and Business 2019</li><li>Microsoft 365 Family</li><li>Microsoft 365 Personal</li><li>Microsoft Office Personal 2019</li><li>Microsoft Office Professional 2019</li></ul>	
Weight	Starting at 4.8 lb / 2.2 kg									Limited warranty	One of the following, configurable by model: <ul style="list-style-type: none"><li>1-year mail-in repair service</li><li>1-year depot repair service</li><li>1-year depot repair with 2-year system board repair service</li><li>2-year/1-yr battery depot repair service</li></ul>
Case color	Chameleon blue or onyx black									Environment	ENERGY STAR® 8.0; GREENGUARD; ErP lot3; RoHS-compliant
Case material	PC/ABS plastic										

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

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