

IdeaPad Gaming 3 15IMH05 81Y4002KBM

Product

IdeaPad Gaming 3 15IMH05

Region

EET

Country/Region

Bulgaria

Machine Type

81Y4

Processor

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

Graphics

NVIDIA GeForce GTX 1650 4GB GDDR6

Chipset

Intel HM470

Memory

1x 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

Surface Treatment

IMR

Color

Chameleon Blue

Keyboard

Blue LED Backlit, Bulgarian

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

194778523011

End of Support

2026-06-04

Announce Date

2020-06-01



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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 3.2 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> <i>Optional: Lenovo Gaming M100 RGB Mouse (USB connector)</i> | |
| | 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 |
| | 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) | | | | | | | | Keyboard Touchpad | 6-row, multimedia Fn keys, numeric keypad, blue backlight Buttonless Mylar surface multi-touch touchpad |
| Chipset | Intel HM470 Chipset | | | | | | | | Security | Power-on password, hard disk password, supervisor password |
| Memory | 16GB max offering / 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> <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 60Hz15.6" (396mm) FHD (1920x1080), WVA, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 45% gamut, refresh rate 120Hz | | | | | | | | Fingerprint reader | None |
| Multi-touch | None | | | | | | | | Battery | Integrated Li-Polymer 45Wh battery, supports Rapid Charge (1 hour 80%) |
| 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 highM.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 4M.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 hardware configurations, 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> <ul style="list-style-type: none">Windows® 10 Home 64Windows 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 2019Microsoft Office Home and Business 2019Microsoft 365 FamilyMicrosoft 365 PersonalMicrosoft Office Personal 2019Microsoft Office Professional 2019 | |
| 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 Card802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card | | | | | | | | Limited warranty | <i>One of the following, configurable by model:</i> <ul style="list-style-type: none">1-year mail-in repair service1-year depot repair service1-year depot repair with 2-year system board repair service2-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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