

## OVERVIEW



1. USB 3.2 Gen 1	6. USB-C 3.2 Gen 1 (data transfer only)
2. Power connector	7. Headphone / microphone combo jack (3.5mm)
3. Ethernet (RJ-45)	8. NOVO button hole
4. HDMI 2.0	9. Power light
5. USB 3.2 Gen 1	

## PERFORMANCE

### Processor

#### Processor Family

10th Generation Intel® Core™ i5 / i7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Core i5-10200H	4	8	2.4GHz	4.1GHz	8MB	DDR4-2933	Intel UHD Graphics
Core i5-10300H	4	8	2.5GHz	4.5GHz	8MB	DDR4-2933	Intel UHD Graphics
Core i7-10750H	6	12	2.6GHz	5.0GHz	12MB	DDR4-2933	Intel UHD Graphics

### Operating System

#### Operating System\*\*

- Windows® 10 Pro 64
- Windows 10 Home 64
- FreeDOS
- No operating system

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
NVIDIA® GeForce® GTX 1650	Discrete	4GB GDDR6	DirectX® 12
NVIDIA GeForce GTX 1650 Ti	Discrete	4GB GDDR6	DirectX 12

### Monitor Support

#### Monitor Support

Supports up to 2 independent displays (native display and 1 external monitor via HDMI®)

- HDMI supports up to 4096x2160@60Hz

### Chipset

#### Chipset

Intel HM470 chipset

### Memory

#### Max Memory<sup>[1]</sup>

Up to 16GB DDR4-2933 offering

#### Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

#### Memory Type

DDR4-2933

#### Notes:

1. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.

### Storage

#### Storage Support<sup>[1]</sup>

Up to two drives, 1x 2.5" HDD + 1x M.2 SSD

- 2.5" HDD up to 1TB
- M.2 2242 SSD up to 512GB
- M.2 2280 SSD up to 1TB

#### Storage Type\*\*\*

Disk Type	Interface	RPM	Security

# IdeaPad Gaming 3 15IMH05

2.5" SATA HDD	SATA 6Gb/s	5.4K	-
M.2 2242 SSD	PCIe® NVMe®, PCIe 3.0 x4	-	-
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-	-

## Notes:

- The storage capacity supported is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.

## Removable Storage

### Optical

None

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio

### Speakers

Stereo speakers, 1.5W x2, Dolby® Audio™

### Microphone

Dual array microphone

### Camera

HD 720p, with privacy shutter, fixed focus

## Battery

### Battery

Integrated Li-Polymer 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

### Max Battery Life<sup>[1]</sup>

MobileMark® 2014: 9.7 hr

## Notes:

- All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, JEITA 2.0, continuous 1080p video playback (with 150nits brightness and default volume level) or Google Power Load Test (PLT) battery-life benchmark tests. Actual battery life will vary and depends on many factors such as product configuration and usage, software use, wireless functionality, power management settings, and screen brightness. The maximum capacity of the battery will decrease with time and use.

## Power Adapter

### Power Adapter<sup>[1]</sup>

135W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz

## Notes:

- AC adapter offerings depend on the country.

## DESIGN

## Display

### Display<sup>\*\*[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
15.6"	FHD (1920x1080)	None	IPS	250 nits	Anti-glare	16:9	-	45% NTSC	-	Refresh rate 120Hz, DC dimmer
15.6"	FHD (1920x1080)	None	IPS	250 nits	Anti-glare	16:9	-	45% NTSC	-	Refresh rate 60Hz, DC dimmer

**Touchscreen**

Non-touch

**Notes:**

1. 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>

**Input Device****Keyboard**

6-row, multimedia Fn keys, numeric keypad

**Keyboard Backlight**

Blue backlight

**Touchpad**

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 69 x 104 mm (2.72 x 4.09 inches)

**Mechanical<sup>[1]</sup>****Dimensions (WxDxH)**

359 x 249.6 x 24.9 mm (14.13 x 9.83 x 0.98 inches)

**Weight**

2.2 kg (4.8 lbs)

**Case Color\*\***

- Chameleon blue
- Onyx black

**Surface Treatment**

IMR (in-mold decoration by roller)

**Case Material**

PC + ABS (top), PC + ABS (bottom)

**Notes:**

1. The system dimensions and weight vary depending on configurations.

**CONNECTIVITY****Network****Onboard Ethernet**

Gigabit Ethernet

**WLAN + Bluetooth®\*\*<sup>[1]</sup>**

- 802.11ac 2x2 Wi-Fi® + Bluetooth 5.0, M.2 card
- Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 card

**Notes:**

1. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation

**Ports<sup>[1]</sup>****Standard Ports**

- 2x USB 3.2 Gen 1
- 1x USB-C 3.2 Gen 1 (support data transfer only)
- 1x HDMI 2.0
- 1x Ethernet (RJ-45)
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Power connector

**Notes:**

1. The transfer speed of following ports will vary and, depending on many factors, such as the processing speed of the host device, file

attributes and other factors related to system configuration and your operating environment, will be slower than theoretical speed.

USB 2.0: 480 Mbit/s;

USB 3.2 Gen 1 (SuperSpeed USB 5Gbps, formerly USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;

USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formerly USB 3.1 Gen 2): 10 Gbit/s;

USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;

Thunderbolt™ 3/4: 40 Gbit/s;

FireWire 400: 400 Mbit/s;

FireWire 800: 800 Mbit/s

## SECURITY & PRIVACY

### Security

#### Security Chip

Firmware TPM 2.0 integrated in chipset

#### Physical Locks

No physical locks

#### Fingerprint Reader

No fingerprint reader

#### BIOS Security

- Power-on password
- Supervisor password
- Hard disk password

#### Other Security

Camera privacy shutter

## SERVICE

### Warranty

#### Base Warranty\*\*<sup>[1]</sup>

- 1-year mail-in service
- 1-year depot service
- 1-year depot with 2-year system board service (Korea only)
- 2-year (1-yr battery) depot service

Notes:

1. More information of warranty policy, please access <https://pcsupport.lenovo.com/warranty>

## ENVIRONMENTAL

### Operating Environment

#### Temperature<sup>[1]</sup>

- At altitudes up to 2438 m (8,000 ft)
  - Operating: 5°C to 35°C (41°F to 95°F)
  - Storage: 5°C to 43°C (41°F to 109°F)
- At altitudes above 2438 m (8,000 ft)
  - Maximum temperature when operating under the unpressurized condition: 31.3°C (88°F)

#### Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

1. When you charge the battery, its temperature must be no lower than 10°C (50°F).

## ACCESSORIES

## Bundled Accessories

### Bundled Accessories

- Lenovo Gaming M100 RGB Mouse (USB connector)
- None

## CERTIFICATIONS

### Green Certifications

#### Green Certifications

- ENERGY STAR® 8.0
- ErP Lot 3
- GREENGUARD®
- RoHS compliant

- Feature with \*\* means that only one offering listed under the feature is configured on selected models.
- Feature with \*\*\* means that one or more offerings listed under the feature could be configured on selected models.
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