

# IdeaPad Gaming 3 15ACH6 82K200JUTX

**Product**

IdeaPad Gaming 3 15ACH6

**Region**

EET

**Country/Region**

Turkey

**Machine Type**

82K2

**TopSeller**

TopSeller

**Processor**

AMD Ryzen 7 5800H (8C / 16T, 3.2 / 4.4GHz, 4MB L2 / 16MB L3)

**Graphics**

NVIDIA GeForce RTX 3060 6GB GDDR6, Boost Clock 1282 / 1485MH, TGP 90W

**Chipset**

AMD SoC Platform

**Memory**

2x 8GB SO-DIMM DDR4-3200

**Storage**

512GB SSD M.2 2280 PCIe 3.0x4 NVMe

**Display**

15.6" FHD (1920x1080) IPS 300nits Anti-glare, 165Hz, 100% sRGB, DC dimmer

**Touchscreen**

None

**Optical**

None

**Card Reader**

None

**Ethernet**

100/1000M

**WLAN + Bluetooth**

11ax, 2x2 + BT5.0

**Bundled Accessories**

Lenovo IdeaPad Gaming M100 RGB Mouse

**Camera**

720p with Camera Shutter

**Microphone**

2x, Array

**Case Color**

Shadow Black

**Surface Treatment**

IMR

**Case Material**

PC + ABS (Top), PC + ABS (Bottom)

**Keyboard**

4-Zone RGB LED backlit, Turkish

**Fingerprint Reader**

None

**Battery**

Integrated 60Wh

**Power Adapter**

170W Slim Tip

**Operating System**

None

**Bundled Software**

None

**Base Warranty**

2-year, Depot

**Included Upgrade**

None

**EAN / UPC / JAN**

195890624518

**End of Support**

2027-07-02

**Announce Date**

2021-05-19

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AMD

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# IdeaPad Gaming 3 15ACH6 82K200JWTX

**Product**

IdeaPad Gaming 3 15ACH6

**Region**

EET

**Country/Region**

Turkey

**Machine Type**

82K2

**TopSeller**

TopSeller

**Processor**

AMD Ryzen 7 5800H (8C / 16T, 3.2 / 4.4GHz, 4MB L2 / 16MB L3)

**Graphics**

NVIDIA GeForce RTX 3050 Ti 4GB GDDR6, Boost Clock 1485MHz, TGP 75W

**Chipset**

AMD SoC Platform

**Memory**

2x 8GB SO-DIMM DDR4-3200

**Storage**

512GB SSD M.2 2280 PCIe 3.0x4 NVMe

**Display**

15.6" FHD (1920x1080) IPS 300nits Anti-glare, 165Hz, 100% sRGB, DC dimmer

**Touchscreen**

None

**Optical**

None

**Card Reader**

None

**Ethernet**

100/1000M

**WLAN + Bluetooth**

11ax, 2x2 + BT5.0

**Bundled Accessories**

Lenovo IdeaPad Gaming M100 RGB Mouse

**Camera**

720p with Camera Shutter

**Microphone**

2x, Array

**Case Color**

Shadow Black

**Surface Treatment**

IMR

**Case Material**

PC + ABS (Top), PC + ABS (Bottom)

**Keyboard**

4-Zone RGB LED backlit, Turkish

**Fingerprint Reader**

None

**Battery**

Integrated 45Wh

**Power Adapter**

135W Slim Tip

**Operating System**

None

**Bundled Software**

None

**Base Warranty**

2-year, Depot

**Included Upgrade**

None

**EAN / UPC / JAN**

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**Announce Date**

2021-06-10

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# IdeaPad Gaming 3 15ACH6 82K200JXTX

**Product**

IdeaPad Gaming 3 15ACH6

**Region**

EET

**Country/Region**

Turkey

**Machine Type**

82K2

**TopSeller**

TopSeller

**Processor**

AMD Ryzen 7 5800H (8C / 16T, 3.2 / 4.4GHz, 4MB L2 / 16MB L3)

**Graphics**

NVIDIA GeForce GTX 1650 4GB GDDR6

**Chipset**

AMD SoC Platform

**Memory**

2x 8GB SO-DIMM DDR4-3200

**Storage**

512GB SSD M.2 2280 PCIe 3.0x4 NVMe

**Display**

15.6" FHD (1920x1080) IPS 250nits Anti-glare, 120Hz, 45% NTSC, DC dimmer

**Touchscreen**

None

**Optical**

None

**Card Reader**

None

**Ethernet**

100/1000M

**WLAN + Bluetooth**

11ax, 2x2 + BT5.0

**Bundled Accessories**

Lenovo IdeaPad Gaming M100 RGB Mouse

**Camera**

720p with Camera Shutter

**Microphone**

2x, Array

**Case Color**

Shadow Black

**Surface Treatment**

IMR

**Case Material**

PC + ABS (Top), PC + ABS (Bottom)

**Keyboard**

4-Zone RGB LED backlit, Turkish

**Fingerprint Reader**

None

**Battery**

Integrated 45Wh

**Power Adapter**

135W Slim Tip

**Operating System**

None

**Bundled Software**

None

**Base Warranty**

2-year, Depot

**Included Upgrade**

None

**EAN / UPC / JAN**

195890624594

**End of Support**

2027-07-02

**Announce Date**

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AMD

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# IdeaPad Gaming 3 15ACH6 82K200K0TX

**Product**

IdeaPad Gaming 3 15ACH6

**Region**

EET

**Country/Region**

Turkey

**Machine Type**

82K2

**TopSeller**

TopSeller

**Processor**

AMD Ryzen 5 5600H (6C / 12T, 3.3 / 4.2GHz, 3MB L2 / 16MB L3)

**Graphics**

NVIDIA GeForce RTX 3060 6GB GDDR6, Boost Clock 1282 / 1485MH, TGP 90W

**Chipset**

AMD SoC Platform

**Memory**

2x 8GB SO-DIMM DDR4-3200

**Storage**

512GB SSD M.2 2280 PCIe 3.0x4 NVMe

**Display**

15.6" FHD (1920x1080) IPS 300nits Anti-glare, 165Hz, 100% sRGB, DC dimmer

**Touchscreen**

None

**Optical**

None

**Card Reader**

None

**Ethernet**

100/1000M

**WLAN + Bluetooth**

11ax, 2x2 + BT5.0

**Bundled Accessories**

Lenovo IdeaPad Gaming M100 RGB Mouse

**Camera**

720p with Camera Shutter

**Microphone**

2x, Array

**Case Color**

Shadow Black

**Surface Treatment**

IMR

**Case Material**

PC + ABS (Top), PC + ABS (Bottom)

**Keyboard**

4-Zone RGB LED backlit, Turkish

**Fingerprint Reader**

None

**Battery**

Integrated 60Wh

**Power Adapter**

170W Slim Tip

**Operating System**

None

**Bundled Software**

None

**Base Warranty**

2-year, Depot

**Included Upgrade**

None

**EAN / UPC / JAN**

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**End of Support**

2027-07-02

**Announce Date**

2021-05-19

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AMD

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# IdeaPad Gaming 3 15ACH6 82K200K2TX

**Product**

IdeaPad Gaming 3 15ACH6

**Region**

EET

**Country/Region**

Turkey

**Machine Type**

82K2

**TopSeller**

TopSeller

**Processor**

AMD Ryzen 5 5600H (6C / 12T, 3.3 / 4.2GHz, 3MB L2 / 16MB L3)

**Graphics**

NVIDIA GeForce RTX 3050 Ti 4GB GDDR6, Boost Clock 1485MHz, TGP 75W

**Chipset**

AMD SoC Platform

**Memory**

1x 8GB SO-DIMM DDR4-3200

**Storage**

512GB SSD M.2 2280 PCIe 3.0x4 NVMe

**Display**

15.6" FHD (1920x1080) IPS 300nits Anti-glare, 165Hz, 100% sRGB, DC dimmer

**Touchscreen**

None

**Optical**

None

**Card Reader**

None

**Ethernet**

100/1000M

**WLAN + Bluetooth**

11ax, 2x2 + BT5.0

**Bundled Accessories**

Lenovo IdeaPad Gaming M100 RGB Mouse

**Camera**

720p with Camera Shutter

**Microphone**

2x, Array

**Case Color**

Shadow Black

**Surface Treatment**

IMR

**Case Material**

PC + ABS (Top), PC + ABS (Bottom)

**Keyboard**

4-Zone RGB LED backlit, Turkish

**Fingerprint Reader**

None

**Battery**

Integrated 45Wh

**Power Adapter**

135W Slim Tip

**Operating System**

None

**Bundled Software**

None

**Base Warranty**

2-year, Depot

**Included Upgrade**

None

**EAN / UPC / JAN**

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**End of Support**

2027-07-02

**Announce Date**

2021-06-10

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AMD

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# IdeaPad Gaming 3 15ACH6 82K200K3TX

**Product**

IdeaPad Gaming 3 15ACH6

**Region**

EET

**Country/Region**

Turkey

**Machine Type**

82K2

**TopSeller**

TopSeller

**Processor**

AMD Ryzen 5 5600H (6C / 12T, 3.3 / 4.2GHz, 3MB L2 / 16MB L3)

**Graphics**

NVIDIA GeForce GTX 1650 4GB GDDR6

**Chipset**

AMD SoC Platform

**Memory**

1x 8GB SO-DIMM DDR4-3200

**Storage**

512GB SSD M.2 2280 PCIe 3.0x4 NVMe

**Display**

15.6" FHD (1920x1080) IPS 250nits Anti-glare, 120Hz, 45% NTSC, DC dimmer

**Touchscreen**

None

**Optical**

None

**Card Reader**

None

**Ethernet**

100/1000M

**WLAN + Bluetooth**

11ax, 2x2 + BT5.0

**Bundled Accessories**

Lenovo IdeaPad Gaming M100 RGB Mouse

**Camera**

720p with Camera Shutter

**Microphone**

2x, Array

**Case Color**

Shadow Black

**Surface Treatment**

IMR

**Case Material**

PC + ABS (Top), PC + ABS (Bottom)

**Keyboard**

4-Zone RGB LED backlit, Turkish

**Fingerprint Reader**

None

**Battery**

Integrated 45Wh

**Power Adapter**

135W Slim Tip

**Operating System**

None

**Bundled Software**

None

**Base Warranty**

2-year, Depot

**Included Upgrade**

None

**EAN / UPC / JAN**

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**End of Support**

2027-07-02

**Announce Date**

2021-05-19

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AMD

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## OVERVIEW



1. Headphone / microphone combo jack (3.5mm)	5. Ethernet (RJ-45)
2. USB 3.2 Gen 1	6. HDMI 2.0
3. USB 3.2 Gen 1	7. USB-C 3.2 Gen 1
4. Power connector	

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 5 / 7 Processor

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD Ryzen 5 5600H	6	12	3.3GHz	4.2GHz	3MB L2 / 16MB L3	DDR4-3200	AMD Radeon™ Graphics
AMD Ryzen 7 5800H	8	16	3.2GHz	4.4GHz	4MB L2 / 16MB L3	DDR4-3200	AMD Radeon Graphics

### Operating System

#### Operating System

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

### Graphics

#### Graphics

Graphics	Type	Memory	Boost Clock	TGP	Key Features
NVIDIA® GeForce® GTX 1650	Discrete	4GB GDDR6	-	-	DirectX® 12
NVIDIA GeForce RTX™ 3050 Laptop GPU	Discrete	4GB GDDR6	1500 MHz	75W	VR ready, DirectX 12
NVIDIA GeForce RTX 3050 Ti Laptop GPU	Discrete	4GB GDDR6	1485 MHz	75W	VR ready, DirectX 12
NVIDIA GeForce RTX 3060 Laptop GPU	Discrete	6GB GDDR6	1282 MHz / 1485 MHz	90W	VR ready, DirectX 12

### Monitor Support

#### Monitor Support

Supports up to 2 independent displays via native display and 1 external monitor; supports external monitor via HDMI® (up to 3840x2162@60Hz)

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

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

Up to 16GB DDR4-3200 offering

#### Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

#### Memory Type

DDR4-3200

#### 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

- RTX 3060 model: up to two drives, 2x M.2 2242/2280 SSD
  - M.2 2280 SSD up to 1TB
  - M.2 2242 SSD up to 512GB
- Non-RTX 3060 model: up to two drives, 1x 2.5" HDD + 1x M.2 2242 SSD or 1x M.2 2242/2280 SSD + 1x M.2 2242 SSD

# IdeaPad Gaming 3 15ACH6

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

## Storage Slot

- RTX 3060 model: two M.2 slots for M.2 SSD
    - 1x M.2 2242 PCIe Gen 3 slot, supports M.2 PCIe 3.0x4 SSD
    - 1x M.2 2280 PCIe Gen 3 slot, supports M.2 PCIe 3.0x2 SSD
  - Non-RTX 3060 model: two M.2 slots and one 2.5" HDD slot
    - 1x M.2 2242 PCIe Gen 3 slot, supports M.2 PCIe 3.0x4 SSD
    - 1x M.2 2280 PCIe Gen 3 slot, supports M.2 PCIe 3.0x2 SSD
    - 1x 2.5" HDD slot, supports 2.5" HDD
- HDD slot and M.2 2280 slot are used exclusively

## Storage Type

Disk Type	Interface	RPM	Offering	Security
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	-	-	-

## Removable Storage

### Optical

None

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Nahimic Audio

### Microphone

Dual array microphone

### Camera

720p, with camera shutter, fixed focus

## Battery

### Battery

- Integrated Li-Polymer 45Wh battery, supports Rapid Charge Pro (charge up to 50% in 30min)
- Integrated Li-Polymer 60Wh battery, supports Rapid Charge Pro (charge up to 50% in 30min)

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

- MobileMark® 2018: 5 hr (45Wh)
- MobileMark 2018: 7 hr (60Wh)

### Notes:

1. All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, and/or JEITA 2.0 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

- 135W slim tip AC adapter
- 170W slim tip AC adapter

## 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	800:1	45% NTSC	170°	Refresh rate 60Hz, DC dimmer
15.6"	FHD (1920x1080)	None	IPS	300 nits	Anti-glare	16:9	1000:1	100% sRGB	170°	Refresh rate 165Hz, Free-Sync, DC dimmer
15.6"	FHD (1920x1080)	None	IPS	250 nits	Anti-glare	16:9	800:1	45% NTSC	170°	Refresh rate 120Hz, Free-Sync, 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

- White LED backlight
- 4-Zone RGB LED backlight

### Touchpad

Buttonless Mylar® surface multi-touch touchpad

## Mechanical

### Dimensions (WxDxH)

359.6 x 251.9 x 24.2 mm (14.16 x 9.92 x 0.95 inches)

### Weight

2.25 kg (4.96 lbs)

### Case Color

Shadow black

### Surface Treatment

IMR

### Case Material

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

## CONNECTIVITY

### Network

#### Onboard Ethernet

Gigabit Ethernet

#### WLAN + Bluetooth™

802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card

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

#### Standard Ports<sup>[2]</sup>

- 2x USB 3.2 Gen 1
- 1x USB-C 3.2 Gen 1 (support data transfer only)

# IdeaPad Gaming 3 15ACH6

- 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: 40 Gbit/s;  
FireWire 400: 400 Mbit/s;  
FireWire 800: 800 Mbit/s
2. Depending on many factors, actual data transfer speed may be lower than theoretical speed

## SECURITY & PRIVACY

### Security

#### Security Chip

Firmware TPM 2.0 integrated in chipset

#### Fingerprint Reader

No fingerprint reader

#### BIOS Security

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

#### Other Security

Camera privacy shutter

## SERVICE

### Warranty

#### Base Warranty

- 1-year depot service
- 1-year depot with 2-year system board service
- 2-year (1-yr battery) depot service

## 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

- ErP Lot 3
- RoHS compliant



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# IdeaPad Gaming 3 15ACH6



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