

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

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IdeaPad Gaming 3 15ACH6

Region

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Country/Region

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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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End of Support

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Announce Date

2021-06-10



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Machine Type

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TopSeller

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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

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AMD

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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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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

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AMD

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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

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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^[1]

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

- 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 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^[1]

- 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^[1]

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^[1]

Standard Ports^[2]

- 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: 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^[1]

- 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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