

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

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

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

Supports up to 2 independent displays via native display and 1 external monitor; supports external monitor via HDMI® (up to 4096x2160@60Hz)

Chipset

Intel HM470 chipset

Memory

Memory Type

DDR4-2933

Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

Max Memory

Up to 16GB DDR4-2933 offering

Notes:

- 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

Up to two drives, 1x 2.5" HDD + 1x M.2 2242 SSD or 1x 2.5" HDD + 1x M.2 2280 SSD

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

Storage Type

Disk Type	Interface	RPM	Security
2.5" SATA HDD	SATA 6Gb/s	5.4K	-
M.2 2242 SSD	PCIe NVMe, PCIe 3.0 x4	-	-

Removable Storage

Optical

Not Support

Card Reader

Not Support

Multi-Media**Audio Chip**

High Definition (HD) Audio

Speakers

Stereo speakers, 1.5W x2, Dolby® Audio™

Microphone

Dual array microphone

Camera

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

MobileMark® 2014: 9.7 hr

Notes:

- All battery life claims are approximate maximum and based on results using the MobileMark 2014 and/or MobileMark 2018 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

135W slim tip AC adapter

DESIGN**Display****Display**

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 60Hz
15.6"	FHD (1920x1080)	None	IPS	250 nits	Anti-glare	16:9	-	45% NTSC	-	Refresh rate 120Hz

Notes:

- 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>

Touchscreen

Non-touch

Input Device**Keyboard**

6-row, multimedia Fn keys, numeric keypad

Keyboard Backlight

Blue LED backlight

Touchpad

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP)

Mechanical

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

Case Material

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

CONNECTIVITY

Network

Onboard Ethernet

Gigabit Ethernet

WLAN + Bluetooth™

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

Ports

Standard Ports

- 2x USB 3.2 Gen 1
- 1x USB-C 3.2 Gen 1
- 1x HDMI 2.0
- 1x Ethernet (RJ-45)
- 1x headphone / microphone combo jack (3.5mm)
- 1x power connector

Notes:

- 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

Physical Locks

Not Support

Fingerprint Reader

Not Support

BIOS Security

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

Other Security

Camera privacy shutter

SERVICE

Warranty

Base Warranty

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

ACCESSORIES

Bundled Accessories

- Lenovo Gaming M100 RGB Mouse (USB connector)
- Not configured

CERTIFICATIONS

Green Certifications

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

