

PERFORMANCE

Processor

Processor Family

10th Generation Intel® Core™ i7 / i9 Processor

Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Core i7-10750H	6	12	2.6GHz	5.0GHz	12MB	DDR4-2933	Intel UHD Graphics
Core i9-10980HK	8	16	2.4GHz	5.3GHz	16MB	DDR4-2933	Intel UHD Graphics

Operating System

- Windows® 10 Home 64
- Windows 10 Pro 64

Graphics

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

Monitor Support

Supports up to 3 independent displays via native display and 2 external monitors; supports external monitors via Thunderbolt™ (up to 5120x3200@60Hz)

Chipset

Intel HM470 chipset

Memory

Memory Type

DDR4-2933

Memory Slots

Memory soldered to systemboard, no slots

Max Memory

- 12GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable

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

One drive, up to 1TB M.2 2280 SSD, optional Intel Optane™ Memory integrated with SSD, M.2

Storage Type

Disk Type	Interface	RPM	Security
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-	-
Intel Optane Memory with Solid State Storage, M.2 2280	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, 2W x4 (2 woofers, 2 tweeters), Dolby® Atmos®

Microphone

Dual array microphone, support WoV (Wake-on-Voice)

Camera

720p, with privacy shutter, fixed focus

Sensor

Sensors

Accelerometer (G) sensor

Battery

Battery

Integrated Li-Polymer 69Wh battery, supports Rapid Charge Boost (get 2 hours of runtime with a 15-minute charge)

Max Battery Life

- MobileMark® 2014: 13 hr (FHD)
- MobileMark 2014: 9 hr (UHD)

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"	UHD (3840x2160)	Multi-touch	IPS	500 nits	Glossy	16:9	-	72% NTSC	-	VESA HDR 400, Dolby Vision™
15.6"	FHD (1920x1080)	Multi-touch	IPS	500 nits	Glossy	16:9	-	72% NTSC	-	VESA HDR 400, Dolby Vision

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

OGS (One Glass Solution) multi-touch, supports 10-point touch

Multi-mode

Laptop, tent, stand and tablet modes supported by 360° hinge

Input Device

Pen

Lenovo Integrated Pen, on-board rechargeable

Keyboard

6-row, multimedia Fn keys, numeric keypad

Keyboard Backlight

LED backlight

Touchpad

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

Mechanical**Dimensions (WxDxH)**

355.5 x 238.5 x 17.5-19.7 mm (13.99 x 9.39 x 0.69-0.78 inches)

Weight

2.0 kg (4.41 lbs)

Case Color

Slate grey

Surface Treatment

Aluminium CNC

Case Material

Aluminium (top), Aluminium (bottom)

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

Not Support

WLAN + Bluetooth™

Intel Wi-Fi 6 AX201, 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card

Ports**Standard Ports**

- 1x USB 3.2 Gen 1 (Always On)
- 2x USB-C 3.2 Gen 2 / Thunderbolt 3 (support data transfer, Power Delivery and DisplayPort™ 1.4)
- 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

Monitor Cable

- 1x Lenovo USB-C 3-in-1 Hub (USB-C to VGA/HDMI®/USB-A)
- Not configured

SECURITY & PRIVACY**Security****Physical Locks**

Not Support

Fingerprint Reader

Touch style fingerprint reader on palm rest

BIOS Security

- Administrator password
- User password
- Master hard disk password
- User hard disk password

Other Security

Camera privacy shutter

SERVICE

Warranty

Base Warranty

- 1-year depot service
- 2-year (1-yr battery) depot service

CERTIFICATIONS

Green Certifications

- ENERGY STAR® 8.0
- ErP Lot 3
- RoHS

