

## PERFORMANCE

### Processor

#### Processor Family

Intel® Celeron® or 10th Generation Intel Core™ i3 / i5 / i7 Processor

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Celeron 5205U	2	2	1.9GHz	-	2MB	DDR4-2400	Intel UHD Graphics
Core i3-10110U	2	4	2.1GHz	4.1GHz	4MB	DDR4-2666	Intel UHD Graphics
Core i5-10210U	4	8	1.6GHz	4.2GHz	6MB	DDR4-2666	Intel UHD Graphics
Core i5-10310U	4	8	1.7GHz	4.4GHz	6MB	DDR4-2666	Intel UHD Graphics
Core i7-10510U	4	8	1.8GHz	4.9GHz	8MB	DDR4-2666	Intel UHD Graphics
Core i7-10610U	4	8	1.8GHz	4.9GHz	8MB	DDR4-2666	Intel UHD Graphics

### Operating System

- Windows® 10 Home 64
- Windows 10 Pro 64
- Windows 10 Pro in S mode
- Ubuntu Linux
- No operating system

### Graphics

Graphics	Type	Memory	Key Features
Intel UHD Graphics	Integrated	Shared	DirectX® 12

### Monitor Support

Supports up to 3 independent displays via native display and 2 external monitors; supports external monitors via HDMI® (up to 4096x2160@30Hz) or USB-C (up to 4096x2304@60Hz)

### Chipset

Intel SoC (System on Chip) platform

### Memory

#### Memory Type

- DDR4-2400
- DDR4-2666

#### Memory Slots

Memory soldered to systemboard, no slots

#### Max Memory

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, 1x M.2 2280 SSD or 1x M.2 2242 SSD

- M.2 2280 SSD up to 1TB
- M.2 2242 SSD up to 512GB
- Optional Intel Optane™ Memory integrated with SSD, M.2

#### Storage Type

Disk Type	Interface	RPM	Security

M.2 2242 SSD	PCIe NVMe, PCIe 3.0 x2	-	-
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-	Opal2
Intel Optane Memory with Solid State Storage, M.2 2280	PCIe NVMe, PCIe 3.0 x4	-	-

## Removable Storage

### Optical

Not Support

### Card Reader

MicroSD card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Synaptic® CX11880 codec

### Speakers

Stereo speakers, 2W x2, Dolby® Audio™ Premium

### Microphone

Dual array microphone

### Camera

- 720p, with ThinkShutter, fixed focus
- IR & 720p, with ThinkShutter, fixed focus

## Battery

### Battery

Integrated Li-Polymer 46Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Max Battery Life

MobileMark® 2014: 14.1 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

- 45W USB-C AC adapter
- 65W USB-C AC adapter
- 65W USB-C slim AC adapter

## DESIGN

## Display

### Display

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
13.3"	HD (1366x768)	None	TN	250 nits	Anti-glare	16:9	500:1	-	90°	-
13.3"	FHD (1920x1080)	None	IPS	250 nits	Anti-glare	16:9	800:1	-	170°	-
13.3"	FHD (1920x1080)	Multi-touch	IPS	300 nits	Anti-glare	16:9	700:1	-	170°	-

#### 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

- On-cell touch, supports 10-point touch
- Non-touch

### Input Device

#### Keyboard

6-row, spill-resistant, multimedia Fn keys

#### Keyboard Backlight

- LED backlight
- Not support

#### UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch touchpad

### Mechanical

#### Dimensions (WxDxH)

311.5 x 219 x 17.6 mm (12.26 x 8.62 x 0.69 inches)

#### Weight

1.38 kg (3.04 lbs)

#### Case Color

- Black
- Silver

#### Case Material

Aluminium (top), GFRP (bottom)

## CONNECTIVITY

### Network

#### Onboard Ethernet

- Gigabit Ethernet, Intel Ethernet Connection I219-V (non-vPro models), RJ45 via optional ThinkPad® Ethernet Extension Adapter Gen 2 or Lenovo USB-C to Ethernet Adapter
- Gigabit Ethernet, Intel Ethernet Connection I219-LM (vPro models), RJ45 via optional ThinkPad Ethernet Extension Adapter Gen 2 or Lenovo USB-C to Ethernet Adapter

#### WLAN + Bluetooth™

- Intel Wireless-AC 9560, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 5.1, M.2 card
- Intel Wi-Fi 6 AX201, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card

#### Notes:

- Intel WiFi 6 full features might be limited by country level restrictions  
BT5.1 is supported on Windows 10 version 2004 or above (limited to BT5.0 on earlier version)

#### WWAN

Not Support

#### SIM Card

Not Support

#### NFC

Not support

### Ports

#### Standard Ports

- 1x USB 3.1 Gen 1
- 1x USB 3.1 Gen 1 (Always On)
- 2x USB-C 3.1 Gen 1 (support data, PD and DP 1.2)
- 1x HDMI 1.4b
- 1x microSD card reader

- 1x Ethernet extension connector
- 1x headphone / microphone combo jack (3.5mm)
- 1x side docking connector

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**Notes:**

- Depending on many factors, actual data transfer speed may be lower than theoretical speed

**Optional Ports**

1x Smart Card Reader

**Monitor Cable**

- Lenovo HDMI to VGA Monitor Adapter
- Lenovo USB-C to DisplayPort™ Adapter
- Lenovo USB-C to HDMI Adapter
- Lenovo USB-C to VGA Adapter
- Not configured

## SECURITY & PRIVACY

### Security

**Security Chip**

- Discrete TPM 2.0, TCG certified
- Firmware TPM 2.0 integrated in chipset
- Disabled (in some regions)

**Physical Locks**

Kensington® Security Slot

**Smart Card Reader**

- Smart card reader
- Not configured

**Fingerprint Reader**

- Touch style fingerprint reader on palm rest
- Not configured

**BIOS Security**

- Power-on password
- Supervisor password
- Hard disk password
- Self-healing BIOS

**Other Security**

- ThinkShutter camera cover
- (Optional) IR camera for Windows Hello

## MANAGEABILITY

### System Management

- Intel vPro Technology, DASH
- None

## SERVICE

### Warranty

**Base Warranty**

- 1-year depot service
- 1-year limited onsite service
- 1-year depot with 2-year system board service
- 1-year + 2-year depot service
- 1-year + 2-year limited onsite service
- 3-year (1-yr battery) depot service

- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

- Lenovo USB-C to USB-C Cable 2m
- Lenovo USB-C to Ethernet Adapter
- Lenovo USB-C to USB-A Adapter
- ThinkPad Ethernet Extension Adapter Gen 2
- Not configured

## CERTIFICATIONS

### Green Certifications

- EPEAT™ Gold
- ENERGY STAR® 8.0
- TCO
- RoHS

### Other Certifications

#### Mil-Spec Test

MIL-STD-810G military test passed

