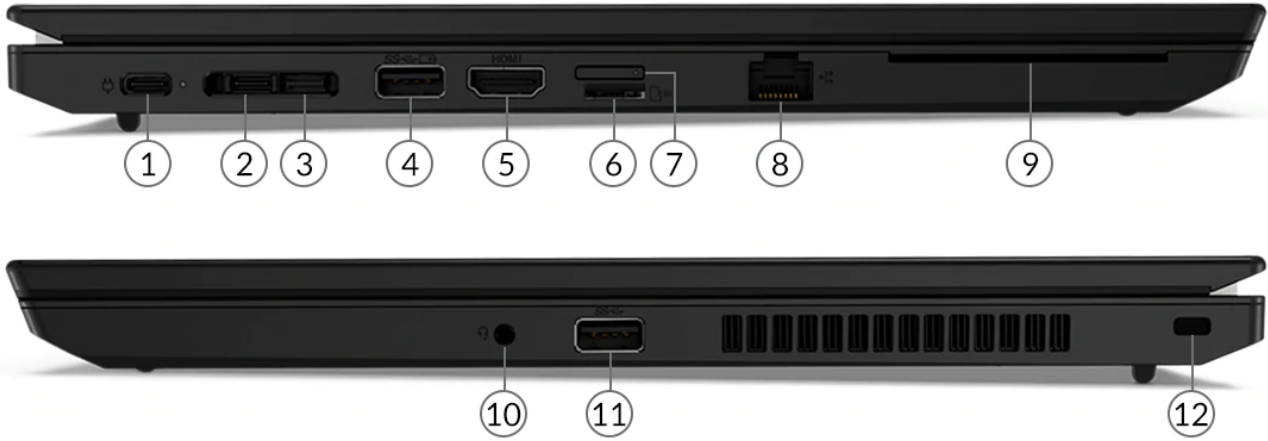


**OVERVIEW**



1. USB-C 3.2 Gen 1	7. Nano-SIM card slot *
2. USB-C 3.2 Gen 2	8. Ethernet (RJ-45)
3. Side docking connector	9. Smart card reader *
4. USB 3.2 Gen 1 (Always On)	10. Headphone / microphone combo jack (3.5mm)
5. HDMI 1.4b	11. USB 3.2 Gen 1
6. microSD card reader	12. Kensington Security Slot

Notes:

- Ports with \* are only available on selected models
- The combination of 1, 2 and 3 is side docking connector

## PERFORMANCE

### Processor

#### Processor Family

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

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

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

#### Notes:

- i7-10610U is NOT available in EMEA

### Operating System

#### Operating System

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

### Graphics

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

Graphics	Type	Memory	Key Features
Intel UHD Graphics	Integrated	Shared	DirectX® 12
AMD Radeon™ 625	Discrete	2GB GDDR5	DirectX 12

#### Notes:

- Discrete graphics is NOT available in EMEA

### Monitor Support

#### Monitor Support

Supports up to 3 independent displays via native display and 2 external monitors; supports external monitors via HDMI® (up to 4096x2160@24Hz), USB-C (up to 4096x2304@60Hz)

### Chipset

#### Chipset

Intel SoC (System on Chip) platform

### Memory

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

- Up to 64GB DDR4-2400
- Up to 64GB DDR4-2666

#### Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

#### Memory Type<sup>[2]</sup>

- DDR4-2400
- DDR4-2666

#### Notes:

# ThinkPad L15 Gen 1 (Intel)

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.
2. Installed memory is actually 3200MHz but run at 2400MHz or 2666MHz due to processor limitation

## Storage

### Storage Support

- One SSD mode: 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
- HDD/SSD mode: up to two drives, 1x 2.5" HDD + 1x M.2 2242 SSD
  - 2.5" HDD up to 2TB
  - M.2 2242 SSD up to 512GB

### Storage Slot<sup>[1]</sup>

- SSD mode: one M.2 2280 PCIe Gen 3 slot, supports up to M.2 PCIe 3.0 x4 SSD
- HDD mode: one 2.5" HDD slot and one M.2 2242 slot
  - 1x 2.5" HDD slot, supports 2.5" SATA HDD
  - 1x M.2 2242 PCIe Gen 3 slot, supports M.2 PCIe 3.0 x2 SSD

### Storage Type<sup>[2]</sup>

Disk Type	Interface	RPM	Security
2.5" SATA HDD	SATA 6Gb/s	5.4K	APS (Active Protection System™)
2.5" SATA HDD	SATA 6Gb/s	7.2K	APS (Active Protection System)
M.2 2242 SSD	PCIe NVMe, PCIe 3.0 x2	-	-
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-	-
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	-	-

#### Notes:

1. System has one HDD slot or one M.2 2280 slot exclusively for storage
2. HDD is NOT available in EMEA

## Removable Storage

### Optical

None

### Card Reader

MicroSD card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby® Audio™

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

- Dual array microphone, far-field
- No microphone

### Camera<sup>[2]</sup>

- 720p, with ThinkShutter, fixed focus
- IR & 720p, with ThinkShutter, fixed focus
- No camera

#### Notes:

1. Microphone not configured is for special bid only
2. Camera not configured is for special bid only

## Battery

## Battery

Integrated Li-Polymer 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

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

MobileMark® 2014: 11.6 hr  
MobileMark 2018: 8.56 hr  
JEITA 2.0: 10.8 hr

#### Notes:

- 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<sup>[1]</sup>

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

#### Notes:

- 45W USB-C AC adapter is NOT available in EMEA

## DESIGN

## Display

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

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
15.6"	HD (1366x768)	None	TN	220 nits	Anti-glare	16:9	400:1	45% NTSC	90°	-
15.6"	FHD (1920x1080)	None	IPS	250 nits	Anti-glare	16:9	700:1	45% NTSC	170°	-
15.6"	FHD (1920x1080)	Multi-touch	IPS	300 nits	Anti-glare	16:9	700:1	45% NTSC	170°	-

### Touchscreen

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

#### 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>

## Input Device

### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad

### Keyboard Backlight

- LED backlight
- Not support

### UltraNav™

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

## Mechanical

### Dimensions (WxDxH)

366.5 x 250 x 21 mm (14.43 x 9.84 x 0.83 inches)

### Weight

1.98 kg (4.37 lbs)

**Case Color**

Black

**Case Material**

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

## CONNECTIVITY

### Network

**Onboard Ethernet**

- Gigabit Ethernet, Intel Ethernet Connection I219-V (non-vPro models)
- Gigabit Ethernet, Intel Ethernet Connection I219-LM (vPro models)

**WLAN + Bluetooth™<sup>[1]</sup>**

- Realtek RTL8852AE, 802.11ax Dual Band 2x2 Wi-Fi + Bluetooth 5.2, M.2 card
- Intel Wi-Fi 6 AX200, 802.11ax 2x2 Wi-Fi + Bluetooth 5.2, M.2 card
- No WLAN and Bluetooth

**WWAN<sup>[2]</sup>**

- Integrated Mobile Broadband 4G LTE-A, CAT9, Fibocom L850-GL, M.2 card
- Wireless WAN upgradable to 4G
- Not Support

**SIM Card**

- Gemalto eSIM
- No SIM card

**NFC**

- Near Field Communication
- Not support

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**Notes:**

1. Intel WiFi 6 full features might be limited by country level restrictions  
Bluetooth 5.2 is supported with driver version 22.30 and later
2. For non-WWAN model, it means the model is NOT WWAN upgradable  
WWAN is not supported on HDD models

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

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

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C 3.2 Gen 1 (support data transfer, Power Delivery and DisplayPort™ 1.2)
- 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery and DisplayPort 1.2)
- 1x HDMI 1.4b
- 1x microSD card reader
- 1x Ethernet (RJ-45)
- 1x headphone / microphone combo jack (3.5mm)
- 1x side docking connector

**Optional Ports**

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN models)

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**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

## Monitor Cable

### Monitor Cable

- Lenovo HDMI to VGA Monitor Adapter
- Lenovo USB-C to DisplayPort Adapter
- Lenovo USB-C to VGA Adapter
- No monitor cable

## 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
- No smart card reader

#### Fingerprint Reader<sup>[1]</sup>

- Touch style fingerprint reader on palm rest, match-on-chip
- Touch style fingerprint reader on palm rest, match-on-host
- No fingerprint reader

#### BIOS Security

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

#### Other Security

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

#### Notes:

1. Match-on-chip fingerprint reader is for special bid only

## MANAGEABILITY

### System Management

#### 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

## ENVIRONMENTAL

### Operating Environment

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

- Operating: 5°C to 35°C (41°F to 95°F)
- Storage and transportation in original shipping package: -20°C to 60°C (-4°F to 140°F)
- Storage without package: 5°C to 43°C (41°F to 109°F)

#### Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 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)

## CERTIFICATIONS

### Green Certifications

#### Green Certifications

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

### Other Certifications

#### Mil-Spec Test

MIL-STD-810G military test passed

