

OVERVIEW

1. Kensington Security Slot	6. USB 3.2 Gen 1
2. Optical drive *	7. USB 3.2 Gen 1
3. Power connector	8. Headphone / microphone combo jack (3.5mm)
4. Ethernet (RJ-45)	9. USB-C 3.2 Gen 1 (data transfer only)
5. HDMI 1.4b	

Notes:

- Items with * are only available on selected models

PERFORMANCE

Processor

Processor Family

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

Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Pentium® Gold 6405U	2	4	2.4GHz	-	2MB	DDR4-2400	Intel® UHD 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 i7-10510U	4	8	1.8GHz	4.9GHz	8MB	DDR4-2666	Intel® UHD Graphics

Operating System

Operating System

- Windows® 10 Pro 64
- Windows® 10 Home 64
- Windows® 10 Home 64 Single Language
- Windows® 10 Home in S mode
- FreeDOS
- No operating system

Graphics

Graphics

Graphics	Type	Memory	Key Features
Intel® UHD Graphics	Integrated	Shared	DirectX® 12
NVIDIA® GeForce MX130	Discrete	2GB GDDR5	DirectX® 12
NVIDIA® GeForce MX330	Discrete	2GB GDDR5	DirectX® 12

Monitor Support

Monitor Support

Supports up to 2 independent displays (native display and 1 external monitor via HDMI®)

- HDMI® supports up to 3840x2160@30Hz

Chipset

Chipset

Intel® SoC (System on Chip) platform

Memory

Max Memory

- Up to 8GB (4GB soldered + 4GB SO-DIMM) DDR4-2400 offering
- Up to 12GB (4GB soldered + 8GB SO-DIMM) DDR4-2666 offering

Memory Slots

One memory soldered to systemboard, one DDR4 SO-DIMM slot, dual-channel capable

Memory Type

- DDR4-2400
- DDR4-2666

Storage

Storage Support^[1]

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

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

Storage Type

Disk Type	Interface	RPM
2.5" SATA HDD	SATA 6Gb/s	5.4K
M.2 2242 SSD	PCIe® NVMe®, PCIe® 3.0 x2	-
M.2 2280 SSD	PCIe® NVMe®, PCIe® 3.0 x4	-

Notes:

[1] The storage capacity supported is based on the test results with current Lenovo® storage offerings.

Removable Storage

Optical

- DVD burner (DVD±RW), SATA 1.5Gb/s, slim (9.0mm)
- None

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio

Speakers

Stereo speakers, 1.5W x2, Dolby Audio™

Microphone

Single microphone

Camera

- 0.3-megapixel, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus

Battery

Battery

Integrated Li-Polymer 36Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

Max Battery Life^[1]

MobileMark® 2014: 9.5 hr

Notes:

[1] All battery life claims are approximate maximum and based on results using the MobileMark® 2014, MobileMark® 2018, MobileMark® 25, MobileMark® 30, JEITA 2.0, JEITA 3.0, continuous 1080p video playback (with 150nits brightness and default volume level) or Google Power Load Test (PLT) battery-life benchmark tests. Actual battery life will vary depending 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^[1]

- 45W round tip (2-pin, wall-mount) AC adapter
- 65W round tip (2-pin, wall-mount) AC adapter

Notes:

[1] AC adapter offerings depend on the country.

DESIGN

Display

Display

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio
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15.6"	HD (1366x768)	None	TN	220nits	Anti-glare	16:9
15.6"	FHD (1920x1080)	None	TN	220nits	Anti-glare	16:9
15.6"	FHD (1920x1080)	None	IPS	250nits	Anti-glare	16:9

Touchscreen

Non-touch

Input Device**Keyboard**

6-row, multimedia Fn keys, numeric keypad

Keyboard Backlight

Non-backlight

Touchpad

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

Mechanical**Dimensions (WxDxH)^[1]**

363 x 254.6 x 22.9 mm (14.29 x 10.02 x 0.9 inches)

Weight^[2]

2.2 kg (4.9 lbs)

Case Color

- Abyss blue
- Blizzard white
- Platinum grey

Surface Treatment

IMR (in-mold decoration by roller)

Case Material

PC-ABS (top), PC-ABS (bottom)

Notes:

^[1] The system dimensions may vary depending on configurations.^[2] The system weight is approximate and based on results in Lenovo® lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.**CONNECTIVITY****Network****Ethernet**

Gigabit Ethernet

WLAN + Bluetooth[®]^[1]

- Wi-Fi® 5, 802.11ac 1x1 Wi-Fi® + Bluetooth® 5.0, M.2 card
- Wi-Fi® 5, 802.11ac 2x2 Wi-Fi® + Bluetooth® 5.0, M.2 card

Notes:

^[1] Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.**Ports^[1]****Standard Ports**

- 1x HDMI® 1.4b
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 2x USB 3.2 Gen 1
- 1x USB-C® 3.2 Gen 1 (support data transfer only)

- 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;

USB4® 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;

USB4® 40Gbps (USB 40Gbps): 40 Gbit/s;

Thunderbolt™ 3/4: 40 Gbit/s.

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in chipset

Physical Locks

Kensington® Security Slot™

Fingerprint Reader

No fingerprint reader

BIOS Security

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

Other Security

Camera privacy shutter

SERVICE

Warranty

Base Warranty

- 1-year depot service
- 1-year courier with 2-year system board service (Korea only)
- 2-year (1-yr battery) courier service

OPERATING REQUIREMENTS

Operating Environment

Temperature^{[1][2]}

- 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)

Relative 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], [2] When you charge the battery, its temperature must be no lower than 10°C (50°F).

CERTIFICATIONS

Green Certifications^[1]

Green Certifications^[2]

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

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration. For ESG & regulatory compliance documents, please visit <https://compliance.lenovo.com>.

[2] EPEAT™ registration and ENERGY STAR® certification are optional and only available on the models with preloaded OS. Please visit epeat.net and energystar.gov for more information.

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