OVERVIEW



1. Optical drive *	8. USB 3.2 Gen 1
2. Power button	9. Kensington Security Slot
3. HDMI-in	10. 2x USB 2.0
4. Power connector	11. USB 3.2 Gen 1
5. Ethernet (RJ-45)	12. Card reader
6. HDMI 1.4 out	13. Headphone / microphone combo jack (3.5mm)
7. 2x USB 2.0	

Notes:

- Ports with * are only available on selected models

PERFORMANCE

Processor

Processor Family

10th Generation Intel® Core™ i3 / i5 Processor

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Core i3-1005G1	2	4	1.2GHz	3.4GHz	4MB	DDR4-3200	Intel UHD Graphics
Core i5-1035G1	4	8	1.0GHz	3.6GHz	6MB	DDR4-3200	Intel UHD Graphics

Operating System

Operating System**

- Windows® 11 Pro 64
- Windows 11 Home 64
- Windows 10 Pro 64
- Windows 10 Home 64
- No operating system

Graphics

Graphics[1]

Graphics	Type	Memory	Connector	Max Resolution	Key Features
Intel UHD Graphics	Integrated	Shared	1x HDMI® 1.4	1920x1080@60Hz(HDMI)	DirectX® 12

Notes:

1. The information of integrated graphics are not applicable for the models without integrated graphics (for the details, please refer to processor section)

Monitor Support

Monitor Support

Supports up to 2 independent displays via native display and 1 external monitor; supports external monitor via HDMI

Chipset

Chipset

Intel SoC (System on Chip) platform

Memory

Max Memory[1]

Up to 16GB DDR4-3200

Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

Memory Type

DDR4-3200

Memory Protection

Non-ECC

Notes:

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.

Storage

Storage Support[1]

Up to two drives, 1x 2.5" HDD + 1x M.2 SSD
• 2.5" HDD up to 1TB
• M.2 SSD up to 512GB

Storage Type[***]

Disk Type	Interface	RPM	Security
2.5" SATA HDD	SATA 6Gb/s	5.4K	-
2.5" SATA HDD	SATA 6Gb/s	7.2K	-
M.2 2242 SSD	PCIe® NVMe®	-	-

Notes:

1. The storage capacity supported is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.

Removable Storage

Optical

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

Card Reader

3-in-1 card reader (SD, SDHC, SDXC)

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC233 codec

Speakers

Stereo speakers, 3W x2

Microphone

- Dual array microphone
- No microphone

Camera

- HD 720p webcam, LED indicator, with privacy camera cover
- No camera

Power Supply

Power Supply

Power	Type	Efficiency
65W	Adapter	88%

DESIGN

Display

Display[1]

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
23.8"	FHD (1920x1080)	None	IPS	250 nits	Anti-glare	16:9	1000:1	72% NTSC	horizontal: +/- 89°, vertical: +/- 89°	Borderless design, anti-glare

Touchscreen

Non-touch

Notes:

1. 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[**]

- Lenovo Calliope Keyboard (USB connector), black
- Lenovo Calliope Wireless Keyboard, black

Mouse**

- Lenovo Calliope Mouse (USB connector), black
- Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black
- Lenovo Fingerprint Mouse (USB connector), black
- No mouse

Mechanical

Buttons

- Power button
- Optical drive eject button (ODD models only)
- Camera cover slider

Form Factor

AIO (24 inches)

Dimensions (WxDxH)

Models	Dimensions
Models with full function monitor stand	541 x 220 x 383.9-484.9 mm (21.3 x 8.7 x 15.11-19.1 inches)
Models with monitor stand	541 x 214 x 450 mm (21.3 x 8.4 x 17.7 inches)
Models without stand	541 x 59.7 x 337 mm (21.3 x 2.4 x 13.3 inches)

Weight

Models	Weight
Models without stand	Around 4.8 kg (10.6 lbs)
Models with monitor stand	Around 6.4 kg (14.1 lbs)
Models with full function monitor stand	Around 6.5 kg (14.3 lbs)

Case Color

Raven black

Bays

- 1x 2.5" disk bay
- 1x slim ODD bay

Expansion Slots

Two M.2 slots (one for WLAN, one for SSD)

Stand

- Monitor stand, supports -5° to +35° tilt, left & right 45° swivel
- Full function monitor stand, supports -5° to +25° tilt, left & right 45° swivel, up to 100mm lift
- No stand

Mounting

Supports VESA mount

CONNECTIVITY

Network

Onboard Ethernet

Gigabit Ethernet, 1x RJ-45

WLAN + Bluetooth®**[1]

- Realtek RTL8822CE, 802.11ac Dual Band 2x2 Wi-Fi® + Bluetooth 5.0, M.2 card
- Intel Wireless-AC 9560, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 5.0, M.2 card
- No WLAN and Bluetooth

Notes:

1. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation

Ports[1]

Rear Ports[1][2]

- 2x USB 2.0
- 1x USB 3.2 Gen 1
- 1x HDMI-out 1.4
- 1x HDMI-in
- 1x Ethernet (RJ-45)
- 1x power connector

Left Ports

- 2x USB 2.0
- 1x USB 3.2 Gen 1
- 1x card reader
- 1x headphone / microphone combo jack (3.5mm)

Optional Left Ports

None

Right Ports

None

Optional Right Ports

None

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™ 3/4: 40 Gbit/s
2. For video ports on discrete graphics, please see graphics section

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in SoC

Physical Locks

Kensington® Security Slot, 3 x 7 mm

Fingerprint Reader

- Touch style fingerprint reader on mouse
- No fingerprint reader

Other Security

(Optional) Camera privacy shutter

BIOS Security

- Administrator password
- Power-on password
- Hard disk password
- Smart USB protection (allows keyboard / mouse only, blocks all storage devices)
- Individual USB port disablement

SERVICE

Warranty

Base Warranty**[1]

- 1-year depot service
- 1-year limited onsite service

Notes:

1. More information of warranty policy, please access https://pcsupport.lenovo.com/warranty

ENVIRONMENTAL

Operating Environment

Temperature

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage: -20°C (-4°F) to 60°C (140°F)

Humidity

- Operating: 20% to 80%
- Storage: 10% to 90%

Altitude

- Operating: 0 m (0 ft) to 3048 m (10,000 ft)
- Storage: 0 m (0 ft) to 12192 m (40,000 ft)

CERTIFICATIONS

Green Certifications

Green Certifications

- EPEAT™ Silver
- ENERGY STAR® 8.0
- ErP Lot 3 and Lot 7
- RoHS compliant

Other Certifications

Other Certifications

- (Optional) TÜV Rheinland® Low Blue Light
- (Optional) TÜV Rheinland Ultra Low Noise

- Feature with ** means that only one offering listed under the feature is configured on selected models.
- Feature with *** means that one or more offerings listed under the feature could be configured on selected models.
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