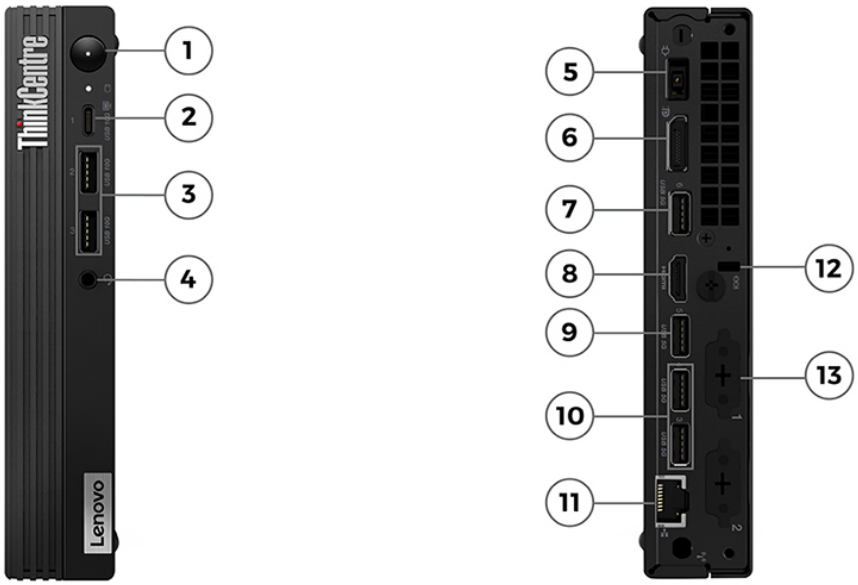
OVERVIEW



1. Power button	8. HDMI 2.1 TMDS
2. USB-C 3.2 Gen 2 (with DP 1.4)	9. USB 3.2 Gen 1
3. 2x USB 3.2 Gen 2	10. 2x USB 3.2 Gen 1
4. Headphone / microphone combo jack (3.5mm)	11. Ethernet (RJ-45)
5. Power connector	12. Kensington Security Slot
6. DisplayPort 1.4	13. Flex IO *
7. USB 3.2 Gen 1	

Notes:

- Items with * are only available on selected models

PERFORMANCE

Processor

Processor Family

Intel® Celeron® or 12th Generation Intel® U Series Core i3 / i5 Processor

Processor[**][1]

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Celeron® 7305	5 (1 P-core + 4 E-core)	6	P-core 1.1GHz / E-core 0.9GHz	-	8MB Intel® Smart Cache	DDR4-3200	Intel® UHD Graphics
Core i3-1215U	6 (2 P-core + 4 E-core)	8	P-core 1.2GHz / E-core 0.9GHz	P-core 4.4GHz / E-core 3.3GHz[2]	10MB Intel® Smart Cache	DDR4-3200	Intel® UHD Graphics
Core i5-1235U	10 (2 P-core + 8 E-core)	12	-	P-core 4.4GHz / E-core 3.3GHz[3]	12MB Intel® Smart Cache	DDR4-3200	Intel® Iris® Xe Graphics

Notes:

[1] Intel® Iris® Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel® Iris® Xe Graphics will function as Intel® UHD Graphics.
[2], [3] Intel® Max Turbo frequency will vary depending on application workload and the hardware and software configurations, see http://www.intel.com/technology/turboboost/ for more information.

Operating System

Operating System

ChromeOS

Graphics

Graphics**

Graphics	Type	Memory	Max Resolution	Connector	Key Features
Intel® UHD Graphics	Integrated	Shared	4096x2304@60Hz(DP), 4096x2304@60Hz(USB-C® with DP function), 4096x2304@60Hz(HDMI®)	1x DP 1.4 HBR2, 1x USB-C® with DP 1.4 funcion, 1x HDMI® 2.1 TMDS, 1x optional punch out port (1x HDMI® 2.1 TMDS / 1x DP 1.4)	DirectX® 12.1
Intel® Iris® Xe Graphics[1]	Integrated	Shared	4096x2304@60Hz(DP), 4096x2304@60Hz(USB-C® with DP function), 4096x2304@60Hz(HDMI®)	1x DP 1.4 HBR2, 1x USB-C® with DP 1.4 funcion, 1x HDMI® 2.1 TMDS, 1x optional punch out port (1x HDMI® 2.1 TMDS / 1x DP 1.4)	DirectX® 12

Notes:

[1] Intel® Iris® Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel® Iris® Xe Graphics will function as Intel® UHD Graphics.

Monitor Support

Monitor Support

Supports up to 4 independent displays via (onbaord USB-C®, onboard DP, onboard HDMI®, and one optional port [2nd DP / 2nd HDMI®])

Chipset

Chipset

Intel® SoC (System on Chip) platform

Memory

Max Memory[1]

Up to 32GB DDR4-3200

Memory Slots

Two DDR4 SODIMM slots, dual-channel capable

Memory Type

DDR4-3200

Notes:

[1] The max memory is based on the test results with current Lenovo® memory offerings.

Storage

Max Storage Support[1]

One drive, up to 256GB M.2 2280 SSD or 64GB eMMC 5.1 on systemboard

Storage Type***

Disk Type	Interface
Flash Memory[2]	eMMC 5.1
M.2 2242 SSD	PCIe® NVMe®, PCIe® 3.0 x4
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4

RAID

No support

Notes:

[1] The max capacity of each disk type is based on the test results with current Lenovo® storage offerings.
[2] EMMC is pre-configured, not upgradable.

Removable Storage

Optical

None

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC5682I codec

Speakers

No speakers

Microphone

No microphone

Camera

No camera

Power Supply

Power Supply**

Power	Type	Efficiency	Key Features
65W	Adapter	89%	Autosensing
90W	Adapter	89%	Autosensing

DESIGN

Input Device

Keyboard

- Chrome USB Keyboard, black
- No keyboard

Mouse

- No mouse
- USB Calliope Mouse, black

Mechanical

Form Factor

Tiny (1L)

Dimensions (WxDxH)[1]

178 x 182 x 34 mm (7 x 7.16 x 1.33 inches)

Packaging Dimensions (WxDxH)

140 x 485 x 270 mm (5.51 x 19.1x 10.6 inches)

Weight[2]

Around 1.07 kg (2.35 lbs)

Packaging Weight

Around 2.95 kg (6.5 lbs)

Case Color

Raven black

Bays

No bays

Expansion Slots

- One M.2 slot (for WLAN, models with Celeron® processor)
- Two M.2 slots (one for WLAN, one for SSD)

EOU

(Optional) Toolless cover and stand assembly / removal

Stand

- Vertical stand
- No stand

Mounting

- Supports VESA mount 100mm
- None

Others

(Optional) Power adapter cage

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

WLAN + Bluetooth®[1]

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card

Onboard Ethernet

Gigabit Ethernet, Realtek® RTL8111K-CG, 1x RJ-45

Notes:

[1] Wi-Fi® operation (including Wi-Fi® 6, Wi-Fi® 6E, Wi-Fi® 7, etc.) is subject to the regulatory requirements of each country. Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

Ports[1]

Front Ports

- 1x USB-C® 3.2 Gen 2 (with DP 1.4)
- 2x USB 3.2 Gen 2
- 1x headphone / microphone combo jack (3.5mm)

Rear Ports

- 4x USB 3.2 Gen 1
- 1x HDMI®-out 2.1 TMDS
- 1x DisplayPort™ 1.4
- 1x Ethernet (GbE RJ-45)

Optional Rear Ports**

- 1x HDMI® 2.1 TMDS (Flex IO)
- 1x DP 1.4 (Flex IO)

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.
Thunderbolt™ 5: 80 Gbit/s (bidirectional), up to 120 Gbit/s in bandwidth boost mode for video-intensive applications.

SECURITY & PRIVACY

Security

Security Chip

Google Security Chip H1

Physical Locks

Kensington® Security Slot™

BIOS Security

No support

MANAGEABILITY

System Management

System Management

Non-vPro®

SERVICE

Warranty[1]

Base Warranty

- 1-year courier or carry-in service
- 1-year limited onsite service
- No base warranty

Notes:

[1] The warranty upgrades may be bundled with some models, please check the "Included upgrade" column in the specific model's configurations. For more service extensions, please go to https://smartfind.lenovo.com/. To learn more details of warranty policy, please access https://support.lenovo.com/warrantylookup/warrantypolicy.

ACCESSORIES

Bundled Accessories

Bundled Accessories***

- DP to DVI dongle
- DP to HDMI® dongle
- None

OPERATING REQUIREMENTS

Operating Environment

Temperature

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage: -40°C (-40°F) to 60°C (140°F)

Relative Humidity

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

Altitude

- Operating: -15.2 m (-50 ft) to 3048 m (10,000 ft)
- Storage: -15.2 m (-50 ft) to 10668 m (35,000 ft)

CERTIFICATIONS

Green Certifications[1]

Green Certifications

- (Optional) ENERGY STAR® 8.0
- (Optional) EPEAT™ Gold Registered[2]

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™ is registered where applicable, please visit epeat.net for registration status by country.

Other Certifications

Mil-Spec Test

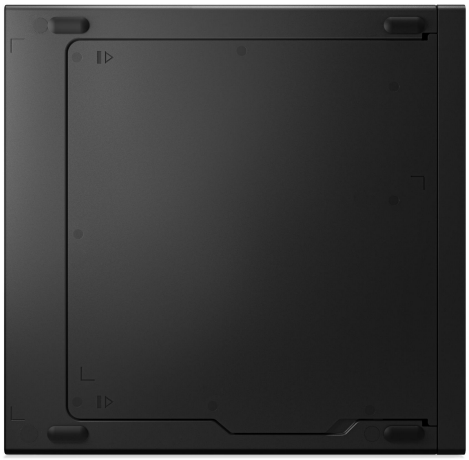
MIL-STD-810H military test passed (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation, Contamination by Fluids, Salt Fog)

- Feature with ** means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
- Feature with *** means that one or more options listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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