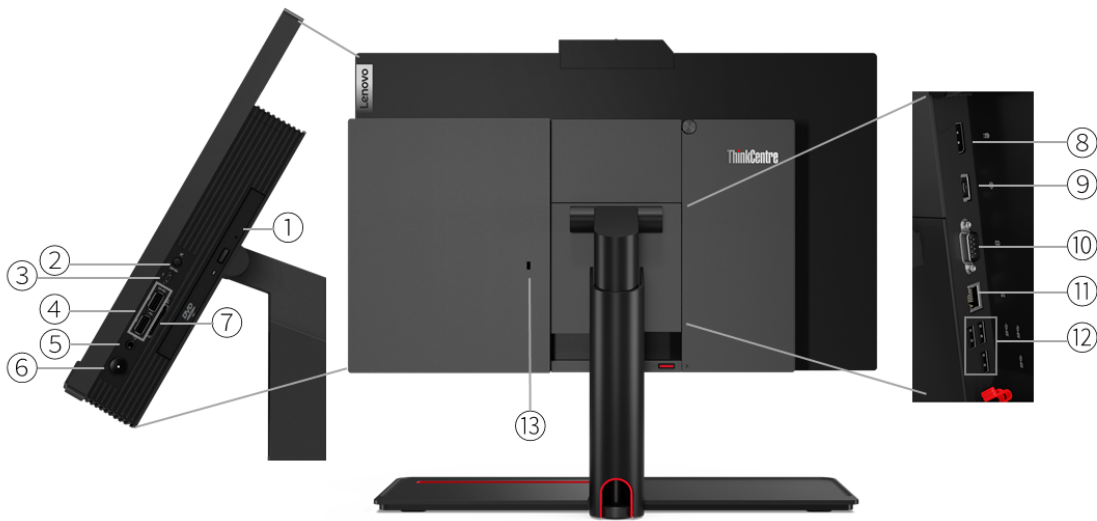


OVERVIEW



| | |
|--|------------------------------|
| 1. Optical drive * | 8. DisplayPort |
| 2. Microphone mute button | 9. Power connector |
| 3. USB-C 3.2 Gen 2 | 10. Serial or HDMI * |
| 4. 1x USB 3.2 Gen 2 + 1x USB 3.2 Gen 1 | 11. Ethernet (RJ-45) |
| 5. Headphone / microphone combo jack (3.5mm) | 12. 3x USB 3.2 Gen 1 |
| 6. Power button | 13. Kensington Security Slot |
| 7. Card reader * | |

Notes:

- Items with * are only available on selected models

PERFORMANCE

Processor

Processor Family

Intel® Celeron®, Intel® Pentium®, 10th Generation Intel® Core™ i3, or 11th Generation Intel® Core™ i5 / i7 / i9 Processor

Processor**

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Memory Support | Processor Graphics |
|---------------------|-------|---------|----------------|-----------------------|-------|----------------|-------------------------|
| Celeron® G5905 | 2 | 2 | 3.5GHz | - | 4MB | DDR4-2666 | Intel® UHD Graphics 610 |
| Celeron® G5925 | 2 | 2 | 3.6GHz | - | 4MB | DDR4-2666 | Intel® UHD Graphics 610 |
| Pentium® Gold G6405 | 2 | 4 | 4.1GHz | - | 4MB | DDR4-2666 | Intel® UHD Graphics 610 |
| Pentium® Gold G6505 | 2 | 4 | 4.2GHz | - | 4MB | DDR4-2666 | Intel® UHD Graphics 630 |
| Pentium® Gold G6605 | 2 | 4 | 4.3GHz | - | 4MB | DDR4-2666 | Intel® UHD Graphics 630 |
| Core™ i3-10105 | 4 | 8 | 3.7GHz | 4.4GHz ^[1] | 6MB | DDR4-2666 | Intel® UHD Graphics 630 |
| Core™ i3-10305 | 4 | 8 | 3.8GHz | 4.5GHz ^[2] | 8MB | DDR4-2666 | Intel® UHD Graphics 630 |
| Core™ i3-10325 | 4 | 8 | 3.9GHz | 4.7GHz ^[3] | 8MB | DDR4-2666 | Intel® UHD Graphics 630 |
| Core™ i5-11400 | 6 | 12 | 2.6GHz | 4.4GHz ^[4] | 12MB | DDR4-3200 | Intel® UHD Graphics 730 |
| Core™ i5-11500 | 6 | 12 | 2.7GHz | 4.6GHz ^[5] | 12MB | DDR4-3200 | Intel® UHD Graphics 750 |
| Core™ i5-11600 | 6 | 12 | 2.8GHz | 4.8GHz ^[6] | 12MB | DDR4-3200 | Intel® UHD Graphics 750 |
| Core™ i7-11700 | 8 | 16 | 2.5GHz | 4.9GHz ^[7] | 16MB | DDR4-3200 | Intel® UHD Graphics 750 |
| Core™ i9-11900 | 8 | 16 | 2.5GHz | 5.2GHz ^[8] | 16MB | DDR4-3200 | Intel® UHD Graphics 750 |

Notes:

[1], [2], [3], [4], [5], [6], [7], [8] 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**

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Windows® 10 Pro 64
- Windows® 10 Home 64
- Windows® 10 Home 64 Single Language
- Windows® 10 IoT Enterprise
- Ubuntu Linux^[1]
- No operating system

Notes:

[1] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, Human Presence Detection, etc.

Graphics

Graphics**

| Graphics | Type | Memory | Connector | Max Resolution | Key Features |
|-------------------------|------------|--------|-----------------------------------|---|--------------|
| Intel® UHD graphics 610 | Integrated | Shared | 1x DP 1.4b, 1x optional HDMI® 2.1 | 4096x2304@60Hz(DP), 4096x2160@60Hz(HDMI®) | DirectX® 12 |
| Intel® UHD graphics 630 | Integrated | Shared | 1x DP 1.4b, 1x optional HDMI® 2.1 | 4096x2304@60Hz(DP), 4096x2160@60Hz(HDMI®) | DirectX® 12 |
| Intel® UHD graphics 730 | Integrated | Shared | 1x DP 1.4b, 1x optional HDMI® 2.1 | 4096x2304@60Hz(DP), 4096x2160@60Hz(HDMI®) | DirectX® 12 |
| Intel® UHD graphics 750 | Integrated | Shared | 1x DP 1.4b, 1x optional HDMI® 2.1 | 4096x2304@60Hz(DP), 4096x2160@60Hz(HDMI®) | DirectX® 12 |

Monitor Support

Monitor Support

Supports up to 3 independent displays via native display and 2 external monitor; supports external monitors via DisplayPort™ and optional HDMI®

Chipset

Chipset

Intel® B560 chipset

Memory

Max Memory^[1]

Up to 64GB DDR4-3200

Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

Memory Type**^[2]

- DDR4-2666
- DDR4-3200

Notes:

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

[2] Installed memory is actually 3200MHz, but may run at 2666MHz, 2933 MHz or 3200MHz depending on the memory support capability of processor.

Storage

Storage Support^[1]

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

- 2.5" HDD up to 2TB
- M.2 SSD up to 1TB

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®, PCIe® 3.0 x4 | - | - |
| M.2 2280 SSD | PCIe® NVMe®, PCIe® 3.0 x4 | - | Opal |

RAID

No support

Notes:

[1] The max capacity of each disk type is based on the test results with current Lenovo® storage offerings.

Removable Storage

Optical**

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

Card Reader

- 3-in-1 card reader
- No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC233 codec

Speakers

Stereo speakers, 2W x2, Dolby® Atmos®

Microphone

- Dual-microphone array
- No microphone

Camera**

- FHD 1080p + IR, with ThinkShutter (physical switch on/off), Windows® Hello support
- FHD 1080p, with ThinkShutter (physical switch on/off)
- No camera

Power Supply

Power Supply**

| Power | Type | Efficiency | Key Features |
|-------|---------|------------|--------------|
| 135W | Adapter | 89% | Autosensing |
| 170W | Adapter | 89% | Autosensing |

DESIGN

Display

Display**^[1]

| Size | Resolution | Touch | Type | Brightness | Surface | Aspect Ratio | Contrast Ratio | Color Gamut | Refresh Rate | Viewing Angle (L/R/U/D) | Key Features |
|-------|-----------------|-------------|------|------------|------------|--------------|----------------|-------------|--------------|-------------------------|---|
| 21.5" | FHD (1920x1080) | None | IPS | 250nits | Anti-glare | 16:9 | 1000:1 | 72% NTSC | 60Hz | 89°/89°/89°/89° | Borderless design (88% screen to body ratio), support low blue light mode |
| 21.5" | FHD (1920x1080) | Multi-touch | IPS | 250nits | Anti-glare | 16:9 | 1000:1 | 72% NTSC | 60Hz | 89°/89°/89°/89° | Borderless design (88% screen to body ratio), support low blue light mode |

Touchscreen

- Advanced In-cell Touch (AIT), supports 10-point touch
- Non-touch

Notes:

[1] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Input Device

Keyboard**

- Lenovo® Calliope Keyboard (USB connector), black
- Lenovo® Calliope Wireless Keyboard (2.4GHz via USB receiver), black
- Lenovo® Traditional Keyboard (USB connector), black
- No keyboard

Mouse**

- Lenovo® Calliope Mouse (USB connector), black
- Lenovo® Calliope Wireless Mouse (2.4GHz via USB receiver), black
- Lenovo® Fingerprint Mouse (USB connector), Windows® Hello support, black (EOL on Jan, 2023)
- No mouse

Mechanical

Buttons

- Microphone mute button
- Power button

Form Factor

AIO (21.5 inches)

Dimensions (WxDxH)^[1]

490.1 x 55.6 x 312.3 mm (19.3 x 2.2 x 12.3 inches), no stand, with ODD, with camera

Weight^[2]

8.1 kg (17.9 lbs) at maximum configuration

Case Color

Black

Bays

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

Expansion Slots

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

EOU

Toolless cover and stand assembly / removal

Stand**

- UltraFlex IV stand, supports -5° to +70° tilt, up to 164mm lift (flat mode) / up to 115mm lift (vertical mode)
- Full function monitor stand, supports -5° to +30° tilt, up to 80mm lift
- No stand

Mounting

Supports VESA mount 100mm

Others

Supports Smart Power On

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

Onboard Ethernet

Gigabit Ethernet, Realtek® RTL8111K, 1x RJ-45, supports Wake-on-LAN

Optional Ethernet

No optional Ethernet

WLAN + Bluetooth®**

- 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® 5.1, M.2 card
- Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 Card^[1]
- No WLAN and Bluetooth®

Notes:

[1] Bluetooth® 5.2 is hardware ready but may run at a lower version due to OS limitations.

Ports^[1]**Rear Ports**

- 3x USB 3.2 Gen 1
- 1x DisplayPort™
- 1x Ethernet (RJ-45)

Optional Rear Ports**

- 1x HDMI®
- 1x serial

Right Ports

- 1x USB-C® 3.2 Gen 2 (support data transfer and 5V@3A charging)
- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 2
- 1x headphone / microphone combo jack (3.5mm)

Optional Right Ports

1x card reader

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.

Monitor Cable**Monitor Cable*****

- DP to VGA dongle
- DP to dual DP dongle
- DP to DVI-D dongle
- DP to HDMI® dongle
- No monitor cable

SECURITY & PRIVACY**Security****Security Chip**

Discrete TPM 2.0, TCG certified

Physical Locks

Kensington® Security Slot™, 3 x 7 mm

Chassis Intrusion Switch

- Chassis intrusion switch
- No chassis intrusion switch

Fingerprint Reader

- Touch style fingerprint reader on mouse (EOL on Jan, 2023)
- No fingerprint reader

Other Security

(Optional) ThinkShutter camera cover

BIOS Security

- Administrator password
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Self-healing BIOS
- Smart USB protection (allows keyboard / mouse only, blocks all storage devices)
- Individual USB port disablement

MANAGEABILITY**System Management****System Management**

Non-vPro®

SERVICE**Warranty^[1]****Base Warranty****

- 1-year courier or carry-in service
- 1-year limited onsite service
- 3-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://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%

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^[1]****Green Certifications**

- ENERGY STAR® 8.0
- EPEAT™ Silver Registered
- ErP Lot 3
- RoHS compliant
- TCO Certified 8.0
- TCO edge

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

Other Certifications

Other Certifications

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

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)

- 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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