OVERVIEW





1. USB-A (Hi-Speed USB), with Smart Power On, OSD setting	7. HDMI-out 2.1 TMDS
2. USB-C (USB 10Gbps)	8. power cord connector
3. Headphone / microphone combo jack (3.5mm)	9. USB-C (Thunderbolt 4)
4. Power button	10. USB-C (10 Gbps), with One Cable Link
5. USB-A (USB 10Gbps)	11. Kensington Nano Security Slot
6. USB-A (USB 10Gbps)	

PERFORMANCE

Processor

Processor Family

Intel Core™ Ultra 5 / X7 Processor (Series 3)

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU	Intel® vPro® Eligibility
Core Ultra 5 325	8 (4 P-core + 4 LP E-core)	8	P-core 2.1GHz / LP E-core 1.6GHz	P-core 4.5GHz / LP E-core 3.4GHz	12MB Intel® Smart Cache	Intel® Graphics, up to 40 TOPS	Up to 47 TOPS	-
Core Ultra X7 368H	16 (4 P-core + 8 E-core + 4 LP E-core)	16	P-core 2.0GHz / E-core 1.6GHz / LP E-core 1.6GHz	P-core 5.0GHz / E-core 3.8GHz / LP E-core 3.6GHz	18MB Intel® Smart Cache	Intel® Arc™ B390 GPU, up to 122 TOPS	Up to 50 TOPS	Intel® vPro® Platform

AI (Artificial Intelligence)

AI PC Category

Copilot+ PC

NPU

Up to 50 TOPS

Operating System

Operating System**

- Windows® 11 Pro
- Windows® 11 Home
- No preload operating system

Graphics

Graphics**

Graphics	Type	Memory	AI TOPS (Peak)	Max Resolution	Connector	Key Features
Intel® Graphics	Integrated	Shared	40	4096x2160@60Hz(HDMI®), 7680x4320@30Hz(Thunderbolt™ 4)	1x HDMI® 2.1 TMDS, 1x Thunderbolt™ 4	DirectX® 12 Ultimate
Intel® Arc™ B390 GPU	Integrated	Shared	122	4096x2160@60Hz(HDMI®), 7680x4320@30Hz(Thunderbolt™ 4)	1x HDMI® 2.1 TMDS, 1x Thunderbolt™ 4	DirectX® 12 Ultimate

Monitor Support

Monitor Support

Supports up to 3 independent displays via native display and 2 external monitor; supports external monitor via HDMI® and Thunderbolt™ 4

Chipset

Chipset

Intel® SoC (System on Chip) platform

Memory

Max Memory[1]

32GB soldered LPDDR5X-8533, not upgradable

Memory Slots

Memory soldered to systemboard, no slots, dual-channel

Memory Type

LPDDR5X-8533

Notes:

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

Storage

Max Storage Support[1]

Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 2TB, for first storage
• M.2 2280 SSD up to 1TB, for second storage

Storage Type***

Disk Type	Interface	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 5.0 x4 Performance	Opal 2.0

Notes:

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

Removable Storage

Optical

None

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC3345S-CGT codec

Speakers

Stereo speakers, 5W x2 (woofers), 2W x2 (tweeters), Dolby Atmos®, harman/kardon brand

Microphone

Quad-microphone array, with AI sound pick up, noise suppression

Camera**

- 12.0MP + IR with privacy shutter (physical switch on/off), with AI capability
- 5.0MP + IR with privacy shutter (physical switch on/off)
- No camera

Power Supply

Power Supply

Power	Type	Efficiency	Key Features
170W	Adapter	90%	100V - 240V

DESIGN

Display

Display[1]

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
27″	QHD (2560x2880)	Non-touch	IPS	300nits	Anti-glare	16:18	98% DCI-P3	60Hz	89° / 89° / 89° / 89°	14ms response Time, 10.7 Billion color support, 10-bit (8-bit+FRC), low blue light, flicker free

Touchscreen

Non-touch

Notes:

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

Input Device

Keyboard

- Euterpe Wireless Keyboard, luna grey
- No keyboard

Mouse

- Euterpe Wireless Mouse, Luna Grey
- No mouse

Mechanical

Form Factor

AIO (27 inches)

Dimensions (WxDxH)[1]

480.9 x 191 x 655 mm (189.3 x 75.2 x 257.9 inches)

Packaging Dimensions (WxDxH)

582 x 283 x 777 mm (229.1 x 111.4 x 305.9 inches)

Weight[2]

Around 7.76 kg (17.1 lbs)

Packaging Weight

Around 12.25 kg (27 lbs)

Case Color

Thunder grey

Expansion Slots

Three M.2 slots (one for WLAN, two for SSD: one M.2 PCIe® 5.0 x4 and one M.2 PCIe® 4.0 x4)[3]

Stand

Full function monitor stand, supports -5° to +16° tilt, left & right 45° swivel, 90° pivot, up to 70mm lift

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.
[3] Gen 5 SSD on M.2 PCIe® 4.0 slot will run on PCIe® 4.0 protocols.

CONNECTIVITY

Network

WLAN + Bluetooth®[1]

- Realtek® Wi-Fi® 7 RTL8922AE, 802.11be 2x2 160MHz Wi-Fi® + Bluetooth® 5.4 (Bluetooth® 6.0 hardware ready), M.2 card
- Intel® Wi-Fi® 7 BE211, 802.11be 2x2 320MHz Wi-Fi® + Bluetooth® 5.4 (Bluetooth® 6.0 hardware ready), Intel® vPro® technology support, M.2 card
- Intel® Wi-Fi® 7 BE213, 802.11be 2x2 160MHz Wi-Fi® + Bluetooth® 5.4 (Bluetooth® 6.0 hardware ready), M.2 card

Onboard Ethernet

No onboard Ethernet

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]

Rear Ports

- 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), support data transfer, up to 20V@5A charging (100W PD-out) and Display Port 1.4a[2]
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), support data transfer and up to 20V@5A charging (100W PD-out)[3]
- 2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x HDMI-out 2.1 TMDS

Right Ports

- 1x USB-C® 3.2 Gen 2 (support data transfer and 5V@3A charging)
- 1x headphone / microphone combo jack (3.5mm)
- 1x USB-A (Hi-Speed USB / USB 2.0), with cover

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.
[2] Charge the device with voltage and current of up to:
- 20V@5A (when one USB-C® connector is in use), or
- 20V@5A, plus 5V@3A (both USB-C® connectors are in use)
[3] Charge the device with input voltage and current of up to:
- 20V@5A (when one USB-C® connector is in use), or
- 20V@5A, plus 5V@3A (both USB-C® connectors are in use)

SECURITY & PRIVACY

Security

Security Chip

Discrete TPM 2.0, TCG certified

Physical Locks

Kensington Nano Security Slot™, 2.5 x 6 mm

Chassis Intrusion Switch

- Chassis intrusion switch
- No chassis intrusion switch

BIOS Security

- Absolute persistence module
- Administrator password
- Boot sequence control
- Boot without keyboard and mouse
- Cover tamper detected
- Intel® BIOS guard
- Individual USB port disablement
- Hard disk password
- Power-on password
- Smart USB protection (allows keyboard / mouse only, blocks all storage devices)
- Secure boot
- Secure wipe
- More BIOS security features, please visit BIOS Simulator

MANAGEABILITY

System Management

System Management[1]

- Intel® vPro® Enterprise
- Non-vPro

Notes:

[1] Intel® vPro® offers a superset of DASH's defined capabilities.

SERVICE

Warranty[1]

Base Warranty**

- 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://support.lenovo.com/warrantylookup/warrantypolicy.

OPERATING REQUIREMENTS

Operating Environment

Temperature

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

Relative Humidity

- Operating: 20% to 80% (non-condensing)
- Storage: 10% to 90% (non-condensing)

Altitude

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

ENVIRONMENTAL

Sustainability

Material[1]

30% OBP bag
FSC carton
65% PCC ABS in chassis
95% PCC ABS in KB/mouse

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.
PIC: Post Industry Content, recycled materials from internal factories.
EPE: Expanded Polyethylene.
OBP: Ocean Bound Plastic, reducing plastic spill into the sea.
FSC: Forest Stewardship Council.

CERTIFICATIONS

Green Certifications[1]

Green Certifications

- (Optional) ENERGY STAR® 9.0
- (Optional) EPEAT 1.0 Gold Registered[2]
- ErP Lot 3/7
- GREENGUARD®

- Low Halogen
- RoHS compliant
- TCO Certified Edge
- TCO Certified, generation 10

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

Other Certifications

- Anti-dust
- Dolby Atmos®
- Healthcare compliance: Part of IEC 60601-1 / IEC 60601-1-2
- IP55-compliant (front panel of front face only)
- Eyesafe® Certified 2.0
- SGS Performance Tested Certification: Super Quiet@Hi-Performance Grade 1
- Spatial Voice Isolation and Ambient Noise Shielding (12M camera configuration only)
- TÜV Rheinland® Flicker Free
- TÜV Rheinland® Low Blue Light (Hardware Solution)
- Zoom Room Certification

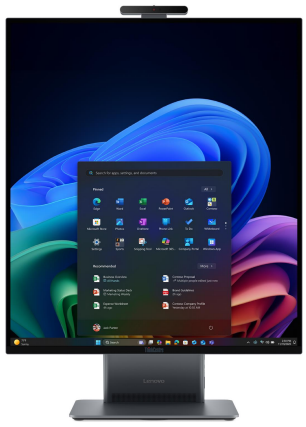
Mil-Spec Test

MIL-STD-810H military test passed (Low Pressure [Altitude] 500.6, High Temperature 501.7, Low Temperature 502.7, Temperature Shock 503.7, Contamination by fluids 504.3, Solar Radiation 505.7, Humidity 507.6, Salt Fog 509.8, Blowing Dust 510.7, Vibration 514.8, Shock 516.8)

- 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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